WINDHAM HIGH PEAK WILD FOREST UNIT MANAGEMENT PLAN JANUARY 1994

PREFACE

Article XIV of the New York State Constitution provides a basic guideline for management of the State's Forest Preserve lands in the Adirondacks and Catskills. Futhermore, the Environmental Conservation Law places responsibility for the care, custody and control of the Forest Preserve on the Department of Environmental Conservation.

The Catskill Park State Land Master Plan establishes four classifications of State land: wilderness, wild forest, intensive use and administrative areas, each representing a different level of protection and public use. The Plan provides for establishment of geographic units, each falling into one of the four classifications. Unit management plans will be developed for each unit.

A Unit Management Plan identifies a segment (unit) of this Forest Preserve and provides direction for the management and use of that Unit.

The Windham High Peak Wild Forest is identified as such a Unit. A <u>Wild Forest</u> is a section of Forest Preserve where the resource, though protected, can withstand a higher degree of human use than a wilderness area; it can accommodate present and future public recreation needs in a manner consistent with Article XIV of the State Constitution and it lacks the sense of remoteness of a wilderness.

Protection and controlled use of this wild Forest Unit is necessary for full public enjoyment without degradation of a quality user-experience and the natural resources.

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UNIT LOCATION AND DESCRIPTION

A. Location

The Windham High Peak Wild Forest Unit consists of 4,250 acres of New York State Forest Preserve and is situated at the northern-most edge of the Catskill Park. This is the northeast corner of the great eastern escarpment of the Catskill Mountains which rise abruptly to high elevation from the Hudson River and Catskill Creek valleys.

This Wild Forest is located in Greene County, primarily in the Town of Windham, but with lesser acreage in the Towns of Cairo, Durham and Jewett.

Town of Windham 3,115 acres

Town of Durham 230 acres

Town of Cairo 785 acres

Town of Jewett 120 acres

The western boundary is New York Route 23 between East Windham and Brooksburg, and the eastern boundary is a foot trail from the Black Dome Valley to the col between Burnt Knob and Acra Point, and from there to a north flowing tributary stream to Bowery Creek. A narrow parcel of land extends on the south to County Route 56. The north boundary is the northernmost boundary of the Catskill Forest Preserve; this boundary follows the Catskill Park "Blue Line" for over two miles. A separate parcel of Forest Preserve amounting to 203 acres on the summit of Cave Mountain, south of Windham, is included in this Unit.

B. <u>Description</u>

1. General

The northern terminus of the 23 mile Escarpment Trail

begins at NY Route 23 in East Windham and travels the length of this Unit as a ridge trail for six miles. Elevations range from 1,500 feet near the northeast corner of the Unit to

3,524 feet at the summit of Windham High Peak. There are three major peaks on the Unit: Windham High Peak, the 3,180-foot Burnt Knob and the 3,180foot Cave Mountain. A well-developed network of highways provides visitors with easy access to this Unit. This, along with abundant touristservices related increases the Unit's popularity among hikers and other recreationists. The easy to moderately difficult hiking opportunities and the panoramic views available from the ridge add much to this popularity. Vistas to the north and east overlook the Catskill and Hudson Valleys and the City of Albany; on clear days, hikers can see Berkshire Mountains of Massachusetts. Green Mountains of Vermont and sometimes the White even Mountains of New Hampshire. Just as spectacular are the views of other parts of the Catskills to southeast, south and southwest, which include

Acra Point, the Blackhead Mountains and the Black Dome Valley.

2. Wildlife

The Windham High Peak Wild Forest Unit lies at the northern edge of the Catskill Peaks ecozone. The area consists mostly of steep forested slopes with some areas of spruce and fir at the highest elevations. The extensive northern hardwood forests of the area provide habitat for a variety of wildlife species. In general, species which require open land and early successional forest stages would be less abundant in the Unit than species which use the older age forest. Chambers, in his handbook, Integrating Timber and Wildlife Management, 1983, (available at DEC Wildlife Offices in Stamford and Schenectady), compiled an extensive list of wildlife presumed to live within the Catskill Peaks ecozone, and further qualified his list by categorizing species by forest type, forest stage, and special habitat needs. Based on these criteria, 51 species of mammal and 39 species of reptiles and amphibians may be found in the Unit (Appendix B).

Records compiled from 1980-1985 for The Atlas of Breeding

Birds in New York State (1988) list 116 bird species for the area which includes Windham High Peak Wild Forest. Sixtyfive (65) species are listed as confirmed breeders, 32 as probable breeders, and 19 as possible breeders (Appendix B.)

White-tailed deer are an important component of the Unit's fauna. The DEC collects data from returned tags from successful hunters to determine the number of deer which were taken each hunting season. The five-year average buck take for the Town of Windham

is 2.60 bucks per square mile and for the Town of Cairo, 2.48 bucks/sq. mi. Because of the mix of habitat and topography in the Towns, the deer herd is not uniformly distributed. Fewer deer would be expected in the mature forest of the Unit than in the mixed open and forest land at lower elevations where they would find more understory browse.

The Unit is within the occupied portion of the northern Catskill Black Bear range. Bears are regularly harvested by big game hunters in the Unit and adjacent lands. Overharvest is prevented by season timing and duration. Large tracts of state-owned land such as the Windham High Peak Wild Forest Unit are becoming more important to black bears as other areas become increasingly developed.

Fishers were transferred into the Catskills throughout a

five year (1976-1980) trap and transfer program with the goal of establishing a s e 1 f perpetuating fisher population. Since the inception of a limited-bag trapping season in 1985, several fisher have been taken in the area. Sightings in the Town of Hunter suggest that fisher may presently inhabit this Unit also.

3. Fisheries

The area is bounded by or intersected by 11 separate water courses totaling 5.07 miles. These include Bowery Creek and three of its tributaries in the northeastern portion of the

area, totaling 0.87 miles, all ultimately draining into Catskill Creek and the Hudson River. The remainder of the streams, totaling 4.2 miles, are part of the Batavia Kill system which is tributary to Schoharie Creek. Most of these waters are high gradient streams which may be dry for a part of the year. Nevertheless, all have the potential to serve as trout spawning and nursery waters while they are flowing. Neither Bowery Creek nor its tributaries are stocked with fish and the rainbow trout inhabiting those waters are all wild trout. Bowery Creek is also inhabited by blacknose dace, creek chubs and white suckers. Tributary 17 of the Batavia Kill, in the northwestern part of the area, is an important spawning tributary for brown trout from the main Batavia Kill. The Batavia Kill system is also inhabited by blacknose and longnose dace, creek chubs, white suckers, brown bullhead, slimy sculpin and pumpkinseed.

4. Forests

The Unit is entirely forested with a wide diversity of plant species. This diversity is determined by type and depth of soils, topography, climate, natural disturbance and human use. We can identify some of these determining factors more specifically:

- topography on the Unit ranges from 1,500 feet to 3,524 feet;
- the area of the Unit was lumbered repeatedly and part was cleared for agriculture;
 - the entire area was glaciated;
- annual rainfall is significantly less than that of the mountains of the Catskills to the immediate south;
 - the exposed peaks are prone to wind damage;
 - some of the area was reforested through planting

The lowest elevation forest, at a 1,500-foot point on the

of trees.

northeastern slope of the Unit, is a blend of the Hudson River Carolinian Forest (oak-hickory) and the Northern Hardwood Forest (maple-birch-beech). From here, elevation rises more than 2,000 feet in just 1.25

miles; this is a significant factor climatically and is reflected in the vegetational diversity. The steep slopes in this vicinity precluded any farming or grazing and have always been forested. The slopes to the south and west are of gentler topography and were more disturbed. Here were the farms with cropland, pastureland and farm woodlots; and where now are found many even-aged stands of northern hardwoods on the upper slopes and, on the lower slopes, a mixture of northern hardwood species, red maple and pioneer hardwood species. Man-made conifer plantations are found on the formerly cleared lands.

A historical reference * notes that the forests of this eastern Catskill area (from Overlook Mountain to Windham High Peak) have had a long and complex history of burns, logging and bark-peeling. People have disturbed the resources of this area more severely than in any

other part of the Catskills. Much of this unit is going through the successional process of revegetation from cut-over woodland and open grazing land to dense woodland. Nature does reclaim the land through revegetation but the process takes decades. Most of the wooded area on this Unit is of the northern hardwood forest type.

*Kudish, Michael: Vegetational History of the Catskill High Peaks, 1971.

The area adjacent to NY Route 23 and Elm Ridge is in the early

stages of reversion to woodland; much brush and pioneer hardwoods, such as paper birch, black and pin cherry, hophornbeam and aspen, are revegetating this area.

The pioneer hardwood type of forest blends with an older forest of northern hardwoods on the adjacent steeper slopes where sugar maple, American beech, yellow birch and some hemlock are prevalent. Farther up the slopes, the northern hardwoods blend with balsam fir, red spruce and hemlock in a boreal forest - most frequently called the "ridge forest". The ridge forest of the Catskills is significant because it is an area which has been relatively undisturbed by man. It is found generally above 3,000 feet in elevation. The ridge forest does not exist on Windham High Peak because of chronic blowdown there. Red spruce once existed here but in time was eliminated by the climate; this species will not dominate a summit where exposure to wind and periodic drought is severe. Scattered balsam fir does exist here, along with scrubby hardwoods composed of paper and yellow birch, black cherry, beech, and sugar maple; on the ledges and in the blowdown area are mountain ash, pin cherry and mountain maple. A few small red spruce still grow on the southwest slopes of Acra Point and Burnt Knob - near the summits but not upon them. Burnt Knob has the northernmost outpost of red spruce in the Catskills along the eastern escarpment. But there are "cove sites" of red spruce (with no balsam fir) at low elevations and in protected valleys between elevations of 1,900 feet and 2,300 feet. The area adjacent to the Batavia Kill in Big Hollow is one of these sites; red spruce, hemlock and northern hardwoods blend together in this moist cove.

Following the trail from NY Rte. 23 to Windham High Peak, one can find remnants of old growth forest at about 2850 feet in elevation; there are sugar maples in excess of 30 inches in diameter and yellow birch in excess of 27 inches. In this same stand are several <u>Carpinus caroliniana</u> (American hornbeam or musclewood); this may be the highest elevation for this species in the Catskills.

In 1934, there was a farm with open fields on Elm Ridge, where the unmaintained Ridge Road crosses over Elm Ridge. In the Spring of 1935, New York State planted 57,650 Norway spruce trees and 13,350 balsam fir trees in those open fields. The spruce is still very evident, but few fir can be found. Scotch pine is on the site also but no record exists of this species being planted here. Reforestation also occurred along the north side of the Batavia Kill near Big Hollow Road and the red-marked Black Dome hiking trail; 3,500 white spruce and 3,500 white pine were planted here. State policy at the time required that open land be converted as soon as possible to forest cover

and thus reforestation was common. An inconsistency was that exotic tree species, such as Norway spruce and Scotch pine, were planted in the Forest Preserve.

5. Soils

All of the Catskill Mountains were glaciated.

Most of the soils in this Unit are of the Arnot-Oquaga-Rock

Outcrop Association. The Cave Mountain parcel is also in this Association which covers about 44% of Greene County and about 80% of this Unit.

The ridgetops and slopes are upland landscapes controlled by bedrock which is mostly within 10 to 40 inches of the surface. Rock outcrops are prominent features in some locations. The soils have formed in thin deposits of medium-textured glacial till derived from sandstone, siltstone, shale and some limestone. These are shallow to moderately deep soils and are excessively to moderately well-drained. Permeability is also moderate. Slopes range from nearly level on the thin-soiled ridges (Elm Ridge, Windham High Peak, Burnt Knob) to the very steep slopes of the same peaks. Historically, these soils have remained primarily in woodland and some upland pasture: elevation and steepness have been the deciding factors. The soils are entirely covered by woods today.

At the base of the steep slopes, where the land form becomes gently sloping, lies the Wellsboro Association, a deep soil with a fragipan developed in glacial till. These soils are derived from sandstone, siltstone and shale. They are deep, but drainage varies from well-drained to poorly-drained, depending on the depth of the fragipan. This hard layer in the soil impedes drainage and rooting and is from one foot to three feet in depth in the Wellsboro Association. About 9% of the soils in Greene County and 15% of the soils in this Unit are of the Wellsboro Association. Historically, this land was used as hayland, pasture and orchard land, depending upon slope and drainage. Most is in young forest today. On this Unit, this Soil Association is found on the land with gentle topography that is parallel to NY Route 23 and north of the Batavia Kill east of Maplecrest.

At the east end of the Black Dome Valley are small areas of two other soil associations. One is the extremely stony, deep and well-drained Lackawanna Association. This was formed in glacial till and is found on the steeper slopes immediately adjacent to the Batavia Kill stream valley. The second association is the level, Barbour-Tunkhannock that was formed in alluvium of floodplains and low terraces along the Batavia Kill. These soils are deep, well-drained and somewhat coarsely textured with sand and gravel. They are alluvial deposits from glacial streams and historically have been the best soils for agricultural uses in the Catskill Mountains.

C. Area History

1. Human Impact on the Resource

A history of the land unit itself is not complete without

gaining some knowledge of the history of the surrounding valleys and Whether hamlets. farmers, tanners or lumbermen, the settlers who moved into the Catskill Mountains were oriented toward using the land and resources as the means of obtaining wealth and social growth. Thus, as the more accessible land was occupied and its forests cut down, settlement and industry eventually reached the seemingly remote mountain areas.

No long lasting significant impact was left on the Windham area by prehistoric Native Americans who fished and hunted here nor by trappers, hunters, native Americans or mineral prospectors of more recent historic times. These were people who visited temporarily for specific purposes but who did not settle.

The farmer-settler of the 1600's in the Hudson Valley did not need to ascend to the upland valleys of the Catskills for livelihood or trade. In fact, any expansion was most likely to be on the Mohawk and upper Hudson Valleys.

In 1767, and again in 1772, under a royal bounty for veterans of the French and Indian Wars, Crown Lands were offered for settlement and development. What better way to keep England's frontier under control than to encourage skilled military men to settle there? In the Windham area, these lands were not immediately settled; many of the grantees used this wild land for speculation and for resale. Settlement began after the War for Independence. In 1781, the first settler arrived in what is now the hamlet of Windham. Others soon followed and settled mainly in two areas: North Settlement in the north of Windham Town and in Big Hollow in the Black Dome Valley. Lieutenant Lemuel Hitchcock, and his son, Thomas, walked into the mountains in 1794 to take possession of

a square mile of land at the headwaters of the Batavia Kill; a house was built the next year in the vicinity of what is now Peck Road. Hitchcock descendants still live in the Catskills of Greene County. (Part of a Hitchcock farm became part of this Wild Forest Unit in 1934).

On the north side of the ridge, in the area of what is now East Windham to Brooksburg, came other settlers. Major Cornelius Fuller cleared a farm that was later owned by Linus Peck. In 1788, Captain Peter Van Orden built a pioneer home on a 200-acre site nearby. Another owner later built an inn on that property which continued in operation under several succeeding owners until the late 1880's.

The 1790's saw a major influx of new settlers--Yankee farmers and businessmen from Massachusetts and Connecticut. Their New England influence on place names and on architecture in the northern Catskills of Greene County still remains today and pleasantly surprise many new visitors and travellers to the area.

Typically, the flatter, gentler landscape was cleared for farms, and the driest land near streams was cleared for human habitation and hamlets. Naturally, the water-dependent businesses built along streams wherever topography and water volume allowed. Sawmills and gristmills were common along all the streams in the area from the earliest settlement through those in the late 1800's. In 1810, a sawmill was built by Isaac Payne on the Batavia Kill in Big Hollow, east of Peck Road; it reportedly was the first sawmill in Big Hollow. Beers' 1884 Atlas of Greene County shows a sawmill on Harriet Creek between Silver Lake and Brooksburg on what is now NYS land; its site is documented but no ruins remain.

The tanning industry caused the first extensive human disturbance in the mountain area. Hemlock was cut and its bark peeled; the bark was then used in tanning leather. Tanning began on a small scale around 1800, but the period 1820 through 1860 brought growth of a huge industry that had a great impact on the forests of the Catskills and the economic growth of local communities. The hemlock logs were usually a glut on the market and often were left to rot in the woods. Much of the cut area was burned, some accidentally and some deliberately. Five tanneries eventually operated in the Windham area. One, the F. Holcomb Tannery, was located in the area of the upper Batavia Kill and operated from 1827 to 1854. It consumed 53,000 cords of bark in its 27-year operation. Three to ten trees, depending on size, were required to produce one cord of bark. The Holcomb Tannery was not the only tannery, nor the largest. Obviously, the industry had a large impact on the forest resources.

The lumber industry overlapped the last 20 years of the tanning industry. It was another big impact on the forest resources that changed the landscape and the character of the land

and local communities. In 1845, there were reportedly 22 sawmills in Windham and they were mainly small one-man operations. No official census was taken of sawmills in the Catskills in the 19th Century; one unsubstantiated record says that there were over 200 sawmills in the Catskills between 1870 and 1900. Windham had wood-turning and other wood products mills by 1850 and these lasted until the end of the Century.

Originally, agriculture had brought the earlier settlers and New England Yankees here. Cutting of the woods for tanbark and for logs assisted in opening more of the hill and mountain areas to an expansion of agriculture. Although the narrow valleys contained excellent soils for farming, the upper, formerly wooded slopes were marginally suited to agriculture other than grazing for livestock. The late 19th Century brought a decline in agriculture here, as it did in the rest of New York State. Farming stopped first in the less productive mountain areas, which then began reverting to forest.

Use of natural resources was changing again. Agriculture and cutting of timber for commercial use still existed, but at a much lower level. A new commercial era began--one that was based on the area's natural and man-made scenic resources. Windham was recognized as an area that could offer city dwellers a short escape to an idyllic landscape of quiet towns, small farms and wooded mountains. However, Windham's smaller family-oriented resorts differed greatly from the large luxury hotels of the rest of the Catskills. Windham's resorts were aimed at another market, catering to a less affluent clientele with simpler tastes. Some of these family-oriented resorts still exist today. Spectacular scenery, relative solitude and year-round recreational opportunities still attract the tourists and new residents to the area.

2. <u>The Forest Preserve</u>

The Forest Preserve was established in 1885 for the practical reasons of conserving land and water. Although other values of wild-land preservation and the concept of wilderness had nothing to do with the formation of the Adirondack and Catskill preserves, development of these ideas have been nurtured by the existence of the Preserve and its "forever wild" mandate in the New York State Constitution.

New York State didn't begin to acquire lands for Forest Preserve in the Windham High Peak Wild Forest until the twentieth century. No original Forest Preserve lands existed in this vicinity. The 203-acre Cave Mountain parcel was the first land to be acquired and was purchased in 1908; no other land was ever added to it to improve its accessibility. Acquisition in the main part of this Wild Forest Unit began in 1910 when 460 acres were purchased. Windham High Peak was purchased in 1924. By the time of the Great Depression, the State owned about 1,000 acres of the highest ridge land in the area. The Depression saw many farmers more than willing to turn little-used land and forest into immediate cash and by the end of 1937 another 2,800 acres had been added to

the Unit. From then to 1976, only 176 acres were bought and this was primarily to acquire access and to buy a parcel that was surrounded by Forest Preserve land.

Trails in this area before 1962 were non-existent except to experienced hikers who could walk the ridges and who knew the old, long-abandoned access roads. The segment of the Escarpment Trail that goes through the heart of this Unit from NY Route 23 at East Windham to the col at the Unit's east boundary, was built in 1962. (Dennis Martin, the DEC Forest Ranger for this part of the mountaintop at this time was, in 1962, a member of the trail crew that built the original trail.) Connecting trails were built about the same time: the road bed of Ridge Road was a natural trail, as was the old road out of Big Hollow to the Town of Cairo (locally known as the Bailey Road), and the paths of old roads once used for harvesting tanbark and timber led at least part of the way to Lockwood Gap between Blackhead and Black Dome Mountains(to the south of this Unit). The lean-to and privy at Elm Ridge were originally constructed in 1967. The parking area at Big Hollow was built in 1973. Three bridges at stream crossings were built in 1979: a foot trail and snowmobile bridge at Route 23 at East Windham, and two foot bridges on the Burnt Knob-Acra Point trail connection (one of these has since been removed because it was considered to be unnecessary).

II INVENTORY OF FACILITIES

A. Privies (1)

At Elm Ridge lean-to (To be replaced with new privy).

- B. <u>Trailheads with Maintained Parking (3)</u>
 - 1. NY Route 23 near East Windham. North terminus of the

Escarpment Trail. Also serves the snowmobile trail. Accommodates 30± vehicles.

- 2. Peck Road near Maplecrest. Accommodates 12± vehicles.
- 3. Big Hollow at east end of County Route 56.; services the

trail systems to the east, south and north as well as servicing t w o management u n i t s .

C. Parking Area - No Trail (1)

Access point only; no trail. Three-car parking spot on the north side of County Route 56, 1.25 miles east of Peck Road.(Badly gullied through water erosion; to be abandoned).

D. <u>Bridges (2)</u> 1. Foot (2)

a. NY Route 23

b. End of County Route 56 at start of red Black Dome trail.

E. Fire Rings (1)

Elm Ridge lean-to.

F. Trails (8.75 miles)

1. <u>Foot</u> - 8.75 miles

The blue-marked Escarpment Trail travels 6 miles from East Windham to the col between Burnt Knob and Acra Point.

The 0.9-mile yellow-marked Elm Ridge Trail goes from Peck Road to the junction with the Escarpment Trail near the Elm Ridge leanto. The 1.1 -mile red-marked Black Dome Trail running from Big Hollow to the col between Burnt Knob and Acra Point is the east boundary of the Unit. The newly-constructed 0.75 mile blue-marked Long Path Extension starts at the NY Route 23 parking area and travels northeasterly to Old Road where it leaves State land.

The Escarpment Trail in this Unit serves as part of "The Long Path" of the New York-New Jersey Trail Conference, a trail conceived in the 1930's to go from the George Washington Bridge to the Adirondacks; it now extends north of this Unit through other State and private lands

on its way to the Mohawk River.

The Trail Conference volunteers have adopted basic

maintenance on all 8.75 miles of foot trail as well as

the Elm Ridge leanto.

G. Lean-tos (1)

At Elm Ridge near the junction with the yellow-marked Elm Ridge trail and the blue-marked Escarpment Trail.

H. Public Roads

- 1. New York Route 23 travels through the northwest corner of the Unit for 1.25 miles.
- 2. Cross Road (Town of Windham highway) crosses the same northwest corner for 0.6 mile.
- 3. Old Road (Old NY 23) is the Unit's northwest boundary for about 0.4 mile.
- 4. County Route 56 in the Black Dome Valley passes through the Unit for 0.3 miles.
- 5. Ridge Road, an unmaintained Town of Windham Road (reportedly), travels through the Unit and across Elm Ridge for 1.5 miles; most of it is part of the foot trail system.
- 6. Slater Road (Town of Windham highway) is bordered by Forest Preserve for \pm 100 feet.

I. <u>Trail Registers (4) and Informational Bulletin Boards (3)</u>

- NY Route 23 at East Windham at the north end of the Escarpment Trail. Bulletin board at parking lot is new; a smaller, older board will be removed. The register for Long Path extension is 100' north of Cross Road. Register for Escarpment Trail is
 o.2 miles south of NY Rte. 23.
- 2. Peck Road at the south end of the Elm Ridge trail. Bulletin board is at the parking lot; trail register is 0.1 mile north on the trail.
- 3. Big Hollow at the end of highway maintenance. The informational bulletin board is in the parking area and services another Unit as well.

The trail register is on the red-marked Black Dome trail going north.

J. Signing

1. Directional signs (see Appendix)

K. <u>Scenic Vistas</u> (9)

- 1. Forest Preserve access parking lot on NY Route 23 in East Windham.
- 2. Four on-trail vistas near summit of Windham High Peak: views of the Catskill Valley and Albany City to the north, Hudson Valley and the Berkshires and Taconic Range to the east and a view of the upper Black Dome Valley and the Blackhead Mountain Range in the Catskill Forest Preserve to the south.
- 3. Vista to the south and west at a point on the trail 1.25 miles east of Windham High Peak summit.
- 4. Three Burnt Knob vistas on the trail. Two are on the west end: one viewing west and south, and the other northerly. One more is on the southeast, viewing the Black Dome Valley and Blackhead Mountains.

L. Spring (1)

Yellow-marked Elm Ridge trail from Peck Road. The spring is located 0.65- mile toward junction with the Escarpment Trail (0.25- mile south of the Escarpment Trail).

M. Private Easements(4)

- 1. A private parcel of land off the end of Slater Road has the right to pipe water from a spring on State land in Lot 89 of the State Land Tract. Rights were given through a 1934 Deed (267/315) when the land was purchased by NYS. Map No. 1927. Present owner is Mamaroneck Fish and Game Club.
- 2. A private parcel of land in Lot 59 of the State Land Tract and north of County Route 56 in the Town of Windham has a right to a common right-of-way (±2.5 chains) across Forest Preserve in the same Lot. This right was given in a 1953 deed between two private parties; this remained an exception

when NYS acquired the land in 1965. (Reference: deed in Liber 422, Page 682).

3. A legal road easement from the end of Big Hollow Road (CR 56) across NYS land in Lot 52 of the State Land Tract (SLT). Length is ± 600

(SLT) to private land in Lot 53

feet.

4. A legal road easement from the end of Big Hollow Road of the State Land

(CR 56) across NYS land in Lot 52

Tract (SLT) to private land in Lot 62 (SLT). Length is + 700 feet.

N. <u>Exterior Boundary Lines</u>

There are 19.4 miles of exterior boundary in the Unit.

III. MANAGEMENT AND POLICY

A. Special Constraints and Issues Affecting the Planning Area

1. <u>General Constraints</u>

a. <u>Legal</u> - This Unit Management Plan has been developed within the constraints set forth by Article XIV of the State Constitution, Article 9 of the

Environmental Conservation Law, Title 6 of the Codes, Rules and Regulations of the State of New York, the Catskill Park State Land Master Plan, and established policies for the administration of Forest Preserve lands.

b. <u>Rugged topography</u> is a constraint to the development or extension of allowable uses within the Unit.

c. Wildlife

The "forever wild" clause of Article XIV of the New York State Constitution limits the possibility of manipulating vegetation for wildlife

habitat on Forest Preserve lands. On other state-owned lands administered and managed by the Department of Environmental Conservation, it is legally possible to devise and conduct habitat modification to favor specific wildlife species. The forest vegetation of Forest Preserve lands progresses through a natural succession of plant life often ending eventually in an aging, mature forest. Wildlife populations may not be diverse under these conditions. Because the Forest Preserve concept

provides a strategy of land management that places emphasis on the protection of natural processes (passive management), it, therefore, favors species that frequent mature forests.

Deer Management is not specific to the Wild Forest Unit, but is governed by the objectives of the Deer Management Unit (DMU) of which it is a part. All of the Windham High Peak Forest Unit lies within DMU 55. The current management objective for DMU 55 is to maintain a deer population which produces an annual harvest of 2.0 bucks per square mile. Because the number of female deer determines the potential size of the population, management is accomplished by regulated hunting of female deer as well as bucks.

Availability of quality deer winter habitat is one of the more critical factors influencing the population. Management efforts at this population level are directed towards preventing starvation and maintaining deer in good health and physical condition. A healthy deer population provides important recreational values and contributes highly to the state and local economies.

d. <u>Fisheries</u> - Fishing in waters of this Unit is regulated by statewide seasons, size and creel limits specified in 6NYCRR 10, as authorized by 11-1303-7 of the Environmental Conservation Law of New York.

2. <u>Special Issues Considered in this Plan</u>

- a. <u>Rugged topography</u> restricts use to limited areas of the Unit. In turn, the most easily accessible parts of these limited areas are most intensely used. This gives rise to concentration of erosion, soil compaction, vegetative disturbance, noise, sanitation problems, safety hazards and general vandalism in relatively small, heavily used areas. The same topography has a reverse effect on the majority of the area in the Unit by keeping human use to a minimum in the less accessible portions.
- b. <u>General misuse</u> can spoil the recreational experience and aesthetic sense of most users. Camping too close to waterways and trails, indiscriminate littering and

violations of rules for sanitation cannot be entirely eliminated, but careful planning and budgeting can significantly reduce them. Misuse primarily occurs in specific areas. The Elm Ridge lean-to, being very accessible to users, is heavily-used. There is a littering problem at the East Windham trailhead.

- c. <u>Water Quality</u>. All small streams in this Unit are tributaries to either the Batavia Kill or Bowery Creek. Maintenance of good water quality of these tributaries is necessary for the continued good quality of trout fisheries in the receiving water. Recreational uses and projects within the Forest Preserve portion of these watersheds must not compromise the quality of the water.
- d. <u>Vista cutting</u>. Cutting of new vistas and the proper maintenance of old vistas are issues here, as they are in most management units.
 - e. <u>Snowplowing and parking areas</u>. Use of the Unit in winter is increasing and the Department has never budgeted for or funded snowplowing of trailhead parking areas.
 - f. <u>Land acquisition</u>. Key, preselected parcels are desirable and necessary to provide better access and consolidation. Access is desirable from the Towns of Cairo and/or Durham; northeast of the Unit, and to the 203-acre Cave Mountain parcel. The Unit is very narrow, especially in the vicinity of Windham High Peak, where the Unit is only 0.5 mile in width. There are many intrusions of private land into the interior of the Unit; this, coupled with considerable development of residential subdivisions in the area is a serious threat to the integrity of the Unit as Wild Forest. Both fee acquisitions and conservation easements should be made, but only from willing sellers.
 - g. <u>Elm Ridge Lean-to</u> is very accessible to two trailheads, East Windham and Peck Road. Misuse

occurred in the area in the past, but has abated in recent years. Management alternatives are: retain the status quo, remove the facilities or move the facilities to another less-accessible location.

h. <u>Pulloff, NY Route 23</u>. This pulloff, a section of the old highway, lies south of Route 23 between Old Road and Cross Road. It is a convenient motorist rest area but it attracts considerable trash. Jurisdiction of the area can be determined for maintenance purposes or D.O.T. can be requested to abandon and barricade it.

i. Ridge Road is heavily eroded and has not been maintained by the Town for over 60 years. It crosses the Unit from north to south across Elm Ridge, west of Windham High Peak. Access to the lean-to area by four-wheel drive motor vehicles is too easy. Alternatives of management are: retain the status quo, barricade the road against motor vehicle use, or request an official abandonment of the road.

3. <u>Natural Heritage Data</u>

a. Plant

Because the Unit hasn't yet been surveyed, the or threatened plant species and natural communities is unknown. Before any major

existence of any endangered

work is initiated, such as relocation of a trail or dispersed camping sites, the proposed site will be surveyed and inventories for environmental assessment purposes to ensure that no such species of plant or natural community will be destroyed. Locations of endangered or threatened species will not be disclosed in order to protect those species from collectors and the general public.

There are some uncommon wet-site species worth mentioning: <u>Ilex verticillata</u> (winterberry holly), <u>Dryopteris cristorta</u> (Crested shield fern) and <u>Senecio aureus</u> (Golden ragwort). (Kudish)

b. Animal

None of the currently listed endangered or threatened species (ECL 6NYCRR 182.5) are known to reside on the area. The peregrine falcon and bald eagle (Endangered) and the red-shouldered hawk (Threatened) may pass over the area during migration.

Species of Special Concern are those which are not yet recognized as endangered

or threatened, but for which documented concern exists for their continued welfare in New York. No additional legal protection is derived from their listing. One such species, the eastern blue bird, has been "confirmed" as a breeder either in or adjacent to the Unit in the Breeding Bird Atlas. Other special concern species which may occur in the Unit are so noted in Appendix B.

The National Audubon Society's Blue List (indicating species for which there appear to be non-cyclical population declines or range contractions) includes the hairy woodpecker, which is a confirmed breeder in the Unit. Other species on the Blue List are noted in Appendix B.

The peaks of mountains over 3,500 feet within the Unit with red spruce-balsam fir-paper birch forest are considered potential habitat for the subspecies of the gray-cheeked thrush called Bicknell's thrush.

4. <u>Significant Habitat Data</u>

a. Deer Winter Concentration Area

Four deer concentration areas are located partially within the Unit. Locations are: northwest of Windham High Peak; southeast of Cave Mountain and west of NY Route 296; north of Slater Road; and upper Big Hollow around the end of road maintenance.

b. Wetlands

One protected wetland has been identified on the Greene County Wetlands Maps. This 22 acre wetland (H-8) is located southeast of Elm Ridge.

It is potential habitat for beaver and it is likely that the site will be occupied by beaver from time to time.

5. <u>Unique Ecosystems</u>

a. <u>Cliffs and escarpments</u>.

Since the Unit's segment of the Escarpment Trail follows the ridgecrest of the northeastern escarpment of the Catskill Mountains, it offers some of the best views of the surrounding landscape. Nine scenic vistas are shown on the map of the Unit and documented in the Inventory (Part II of this Plan). The summit of Windham High Peak is particularly notable for its many magnificent vistas because of its exposure and rock outcrops.

6. Cultural Resources

There are no known State or National Register listed historic sites within the Wild Forest Unit. Neither are there any known archaeological sites here although there are numerous known sites along the Batavia Kill stream outside the Wild Forest. Although no cultural resources survey has been conducted within the study area, the NYS Museum thinks there's a higher than average probability of prehistoric occupation or use for hunting and fishing in some low lying areas. There is evidence of more recent agricultural settlement remaining in the form of stone walls and building foundations of the 19th and 20th century; some sites are within the State ownership.

7. <u>Primary Public Use</u>

The primary public use is recreation. The Unit's high scenic quality and its proximity to a good transportation system in a tourist area draw many serious hikers annually. Use is expected to increase in the future as the surrounding area continues to develop.

The "Long Path" of the New York-New Jersey Trail Conference passes through the Unit on its way from the George Washington Bridge to (eventually) the Adirondacks. The Long Path Traverses 6.0 miles of the Escarpment Trail in the Wild Forest including

a newly-constructed extension for 0.75 miles north of the NY Route 23 parking area.

Use is roughly measured from trail register statistics which indicates the number of people in a hiking party, their length of stay (days, overnight, several nights) and destination. Signing-in at registers is voluntary so figures can be assumed to be on the conservative side; and also registers and register sheets are periodically vandalized. However, the register tally shows approximate numbers of users and especially indicates trends over a period of time. (See Table 1.)

Table 1. Windham High Peak Wild Forest Trail Register Tally

1990

Days of Use (Day-users plus overnights)

1989

Register East Windham (NY 23) 1473 1948 2542 2351 1250 Peck Rd. (Elm Ridge) 785 998 1144 Burnt Knob-Acra Point 683 705 824 786 Long Path Extension (new) 52(3 months)

> Windham all (East figures appear low: users signing are not the registration sheets. There also has been more vandalism than expected to this register in the last three years).

1991

1992

8. Impacts of Land Use

- Private lands adjacent to the Windham High Peak Wild Forest have generally a. become desirable properties because of their relative privacy and solitude. Public lands offer a "backyard" of open space on which no maintenance costs or taxes need be paid, yet are available for use by the bordering private owner and will never be extensively developed. The State pays full property taxes to local governments based on the value of undeveloped land. Occasional negative impacts do exist where the adjacent public lands are used as trailheads for hikers and snowmobiles. Trespass, littering and noise pollution are annoyances that can occur, though infrequently.
- b. Fully developed and/or incompatible private development adjacent to public lands may have a negative impact on them. Problems of littering, trespass, boundary disputes, conflicts with public users and dilution of recreational experience are all potential negative impacts.

9. **Economic Impact**

People are attracted to this area for a variety of recreational and cultural uses. These visitors have a positive impact on hotels, motels, campgrounds, grocers, service stations, restaurants and sporting goods stores. Many of the resorts in Greene County use the mountains indirectly as a passive setting for their recreational enterprises. Private campgrounds and resorts adjacent to public lands also benefit directly by using facilities provided on these public lands.

B. Goals and Objectives

1. Broad Goals for the Unit are to:

- Protect the natural setting of the Wild Forest as defined by the Catskill Park SLMP.
- Accommodate and provide for the broadest spectrum of public uses compatible with Wild Forest land-use criteria and in keeping with recognized legal and environmental constraints.
- Identify and actively protect any special unique and fragile areas within the Unit. This includes critical or unique plant and animal habitat, endangered or threatened plants or animals, highly scenic areas, historic sites, special geologic formations, archaeological sites, etc.

2. Objectives

a. <u>Land Management Objectives</u>

- 1. Adequately protect the Unit from wildfire.
- 2. Pursue an active boundary line maintenance program to maintain the integrity of public ownership and to discourage trespass.
- 3. Selectively acquire lands and conservation easements from willing sellers on the peripheries of the Unit that will consolidate and protect unique natural features, enhance access and recreational opportunity and minimize administrative problems.
- 4. Identify critical habitat for rare or endangered species of plant or animal.

Resulting records are to be used for scientific purposes only and will not be distributed to the general public nor identified in this plan.

5. Prior to site disturbance for maintenance or modification of recreational

facilities it will be policy to: examine all areas involved for critical plant and animal habitat or species and investigate the nature and extent of archaeological resources that may be present.

- 6. Prevent and alleviate soil erosion and vegetative loss while conducting regular annual facilities management or when relocating any facilities.
- 7. Maintain, modify and construct facilities in strict conformance with legal NYCRR rules and regulations and with Department policies and procedures.
- 8. Pursue alternatives to remove motor vehicle use on Ridge Road where it passes through the Unit.

b. Wildlife Management Objectives

- 1. Maintain all native wildlife species at levels compatible with their natural environment.
- 2. Maintain hunting, trapping and other wildliferelated recreational activity.

c. <u>Fisheries Management Objectives</u>

- 1. Perpetuate fish as part of the wild forest environment in all streams within the Unit.
 - 2. Maintain fishing as a valid recreational opportunity.

d. <u>Public Use Management Objectives</u>

- 1. Control adverse and illegal uses through enforcement of the Environmental Conservation Law and Department rules and regulations.
 - 2. Educate users to the appreciation, value, enjoyment and management of the public land and its scenic and unique resources.

- 3. Maintain appropriate recreational facilities to facilitate access to and enjoyment of the Unit lands. This will be accomplished with existing staff and the use of volunteer maintainers.
- 4. Monitor the intensity of public recreational use and the condition of recreational facilities with the objective of preventing overuse or degradation of the Unit.

e. <u>Water Quality Management Objectives</u>

- 1. Maintain the water quality of streams emanating from the Unit.
- 2. Protect the waters of the Unit from pollution by controlling public uses of the stream corridors.

IV. PROJECTED USE AND MANAGEMENT PROPOSED

A. Facility Development and/or Removal

Action 1

Place new informational bulletin boards at the East Windham and Peck Road trailheads similar to the one at the Big Hollow trailhead. Remove old board at

East Windham near Escarpment Trail register box.

Action 2

Place a "Forest Preserve Access" directional sign where State land borders County Route 56 about 1.1 miles east of Peck Road. On Slater Road, the

proper posting of State-owned land will suffice to identify the ownership

Action 3

Eliminate snowmobile use on the existing trail between East Windham and Peck

Road. The trail is only 1.75 miles in length and doesn't meet even the minimum criteria for snowmobile trail designation.

Action 4

Remove the 3-car parking area where State land borders County Road 56 on the north (1.1 mile east of Peck Road). This has a limited and steep access to parking, is severely eroded, is difficult to maintain and is infrequently used.

Action 5

Designate the 1.9 mile trail between NY Route 23 and Peck Road parking area as a cross-country ski trail and maintain it to standards.

Action 6

Leave open the future option, within the 5-year life of the UMP, to possibly designate this same 1.9 mile section of trail for mountain bicycle use if needed as part of a larger bicycle route; the trail is too short to stand as a bike trail on its own. All topographically unsuitable for good biking.

other existing trails in the

Unit are

B. Maintenance and Rehabilitation of Facilities

Action 1

Leave the lean-to at its present location, but rehabilitate it. Replace the missing privy. Reset the fireplace. Monitor and document any misuse during a 5-year period.

Action 2

Rehabilitate the spring on the yellow trail to Peck Road.

Action 3

Budget for limited snowplowing of two parking areas, East Windham and Peck Road. An alternative is to pursue agreements with governmental jurisdictions responsible for plowing adjacent roads, i.e., the Town of Windham and NYS Dept. of Transportation.

Action 4

Maintain all existing trails. Add no new trails at this time. Continue the cooperative agreement with

the New York-New Jersey Trail Conference for maintenance of the trails and leanto.

Action 5

Continue to maintain all existing vistas and add no new ones. Some unmarked vistas will be lost because several years of growth of vegetation has occluded the views.

C. Public Use Management and Control

Action 1

Eliminate motor vehicle use along the unmaintained section of Ridge Road passing through this Unit. Barricade the south end of the Road next to the Peck Road parking area. <u>Discuss alternatives with the Town of Windham.</u> If barricading is approved,

do so with a gate so that the Ridge Road can still be used as an administrative access for purposes of periodic facility maintenance, law enforcement patrol and emergency uses <u>only</u>.

Action 2

Continue Forest Ranger and seasonal Assistant Forest Ranger patrols to educate and to control actions of users.

Action 3

Contact the NYS Department of Transportation regarding the Route 23 pulloff (see Issues) and determine a mutually agreeable solution for litter and dumping control. Options for discussion will be Departmental jurisdiction, maintenance responsibility and outright abandonment.

D. Fish and Wildlife

Fisheries

Action 1

Continue to manage all waters within this Unit under current Statewide regulations.

Action 2

Continue to stock the Batavia Kill with brown trout.

Wildlife

Manage and protect wildlife species through enforcement of the Environmental Conservation Law and pertinent Rules and Regulations.

Because of Forest Preserve constraints on traditional habitat management, active management of game wildlife populations will be accomplished primarily through hunting and trapping regulations developed for broad Wildlife Management Units and Deer Management Units.

E. Wild, Scenic and Recreational Rivers

There are no water courses in this Unit classified under the provisions of Title 15, Article 27, of the Environmental Conservation Law (Wild, Scenic and Recreational Rivers Act).

F. <u>Fire Management</u>

The DEC is charged with protection from fire of all

lands under its jurisdiction and by provisions of Article 9 of the Environmental Conservation Law. Department policy is to extinguish all wild fires regardless of land classification. This policy will dictate the fire management program for this Unit.

G. <u>Staffing</u> (<u>Administrative</u>)

There is adequate Lands and Forest supervisory staff to oversee this and other Forest Preserve Units within the Region.

The Division of Fish and Wildlife staff is currently adequate to handle the management activities of this Unit.

Forest Ranger staff (permanent) is insufficient to enforce the ECL in this and other Units. Maintenance or expansion of the Assistant Forest Ranger seasonal program will help.

The Division of Operations staff that administers all of the interior Forest Preserve work (with other duties) in Region 4 is presently a two-person team, one full-time and the other seasonal. This is inadequate to maintain this and other Units. Expand the Operations workforce by adding one full-time employee for interior work. Continue-and improve upon-the existing volunteer maintenance program with the New York-New Jersey Trail Conference.

H. Education

Action 1

Develop a brochure describing the Unit. It will include a map, rules of public use, sanitation and low-impact camping techniques. It will be for public distribution and for posting at trailhead information boards.

Action 2

Fully utilize any trailhead bulletin board to dispense any information about this Unit.

These Actions are supplemental to the personal contact of Forest Rangers and Assistant Forest Rangers.

I. <u>Land Acquisition</u>

Parking and public access are generally better in this Unit than in most of the Preserve. An exception is the separate Cave Mountain parcel which is surrounded by private lands and inaccessible to the public. Also, private lands penetrate deeply into the Unit in three places, two of which are in the vicinity of Windham High Peak, and infringe on the integrity of the Wild Forest. Another access to the northeast of the Unit from the Towns of Cairo or Durham would be desirable.

Action 1

Acquire key parcels of private land from willing sellers when these become available. Meanwhile, maintain contact with owners of these parcels.

Action 2

Acquire a permanent easement or a parcel of land in fee for access to the Cave Mountain parcel.

J. <u>SEQR Requirements</u>

The provisions of the State Environmental Quality Review Act have been met. Actions proposed in this UMP will not result in any significant environmental impact. A negative declaration has been filed. A copy of the Environmental Assessment Form (EAF) and the Negative Declaration can be found in the Appendices.

K. Relationship of Unit to Other Forest Preserve and Adjacent Areas

The Blackhead Range Wild Forest joins this Unit on the east. All other lands adjacent to this Unit are privately-owned rural lands and partially developed subdivisions.

L. <u>Proposed Rules and Regulations</u>

None

V. <u>SCHEDULE FOR IMPLEMENTATION/BUDGET</u>

A. Recurring Annual Maintenance Costs

ITEM	COST	FREOUENCY
LILIVI	COSI	INEQUENCE

\$1,050 Annual

Parking lot maintenance (includes mowing, litter p/u drainage, etc.-3 existing maintained lots)

Litter pickup and disposal 300 Annual

Foot trail maintenance (8 miles) 1,000 Annual

(includes spring and bridge)

Sign and register maintenance 200 Annual

Information bulletin board maint. 200 Annual

Maintenance of lean-to and fire-

places and privy 200 Annual

Vista maintenance 200 Annual

Boundary line maintenance-painting and posting (23 miles on a 7-year materian)

rotation) 400 Annual

Assistant Forest Ranger (seasonal-4 month) patrols 2,000 Annual

B. <u>Non-Recurring Costs</u>

<u>ITEM</u> <u>COST</u> <u>FREQUENCY</u>

Add Information Bulletin \$1,200 Year 1 Boards (2)-E. Windham and Peck Road

Rehabilitate lean-to 1,500 Year 1

Add privy at lean-to 1,000 Year 1

Rehabilitate fireplace at

lean-to 200 Year 1

Rehabilitate spring 150 Year 1

Rehabilitate all vistas 2,400 Year 1-3

Barricade Ridge Road 1,000 Year 1

Develop and print brochure 300 Year 1

Land Acquisition Variable Year 1 - 5

(Not a main-

tenance cost).

C. <u>Administrative Costs</u>

There are Actions that will be accomplished by existing full-time personnel as a part of regular program duties. Thus, these costs will not be shown as part of the management costs in the Unit. The Actions pertain to administration of:

- law enforcement
- fire control
- wildlife management
- fisheries management
- Forest Preserve management, including volunteer

coordination

- real property management

D. <u>Cost Summary</u>

- a. Maintenance-Annual Cost \$5,550 TOTAL 5 Years \$27,750
- b. Costs of planned projects (Actions)
 TOTAL 5 Years \$7,750

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APPENDICES