

**FOREST MANAGEMENT PLAN**

For

**CLARK-PEMBROKE PARCEL**

**Map 13 Lot 44 +/- 113 ACRES**

**PREPARED FOR:**

**John Clark  
47 Wetland Way  
Bar Harbor, ME**

**PREPARED BY:**

**CES, Inc,  
Roger St.Amand  
FI # 3565**

**DATE: March, 2010**

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Signature (s) of Owner (s)      Signature of Inspecting Forester

## **Property Information:**

Town (s): **Pembroke**

County: **Washington**

Location: Robbinston Ridge Road, bordered on the west by Pennamaquan River and on the north by Pennamaquan Lake. East boundary is a blazed line.

Tax Map and Lot #: **Map 13 Lot 44**

Total Acreage: +/-**113**

Tree Growth Acreage: +/-**68**

## **Land Owner Goals and Management Objectives:**

- Improve forest health and diversity
- Protect soil and water quality
- Timber production
- Diversify forest age structure and species composition
- Provide wildlife habitat

**Woodlot History:**

Parcel was purchased in 2005. In the early 1990s most of the land was harvested fairly heavily. Old fields are evident along the road. No previous forest management plan has been prepared for this property since the current landowner has owned the property. An updated forest management plan is required every 10 years in accordance with the Maine Tree Growth Tax Law.

**Aesthetic, Cultural and Historical Features:**

Sites for potential recreational camps and wildlife viewing are abundant. The area bordering the road was previously used for agricultural fields and old stone wall remnants occur along the easterly boundary.

**Unique Natural Areas:**

The river and the lake are unique and provide a large area of undeveloped shoreline. A large alder community in the center of the parcel has grown up on the old fields and contains a large amount of wetlands.

**Access Roads, Recreational Trails and Boundary Lines:** The property boundaries are well defined with the river and the lake forming two boundaries, the road along the south, and the east boundary being blazed and maintained by the owner. A winter logging access road bisects the property from Robbinston Ridge Road to within 250 feet of Pennamaquan Lake. A foot trail follows the western side of the property partially adjacent to the Pennamaquan River.

**Additional Information:**

A review of published map data did not show any mapped significant wildlife habitat such as; deer wintering areas, inland waterfowl and wading bird habitats, significant vernal pools, bald eagle nest sites, or other essential habitat within the property.

# TREE GROWTH FOREST STAND DESCRIPTIONS AND PRESCRIPTIONS STAND INFORMATION SUMMARY

**Table 1: Tree Growth Stand Summary**

Stand #	Stand Type	Dom. Sp	Dom Sp2	BA	Ave.Dia	Description	Acres
1	M3B	Aspen	Spruce	110	9	Mixed woods, small sawtimber	28.
2	M2B	Aspen	Fir	50	5	Aspen pole stand	5.5
3	M2B	Aspen	Fir	40	5	Mixed woods cut 1990	23.5
5	M3B	Aspen	Fir	50	8	Mixed woods small sawtimber	10
7	<u>M2B</u>	<u>Aspen</u>	<u>Spruce</u>	<u>100</u>	<u>6</u>	<u>Mixed Aspen and Softwoods pole stand</u>	<u>1.4</u>
<b>TOTAL</b>							<b>+/-68.4</b>

Stands 8,9,10,11,12, and 13 are not included in the Tree Growth management of the property.

### **Prescriptions and Management Activities:**

**Stands 2, 3, and 7:** The long term management strategy for these stands is to diversify species composition and provide for future harvests of biomass, pulp and some saw timber. These stands will utilize patch removal and single tree selection to favor development. Harvesting should occur when the trees increase to merchantable size and there is enough material to make harvesting economical. At current growth rates a harvest might be expected in 15-20 years.

**Stands 1, 5 and 6:** These stands will be managed to protect the riparian buffer. Harvest techniques will be single tree selection and group selection to avoid creating larger openings. Mature species will be selected with an emphasis on improving stand structure, maximizing diversity and retaining a closed canopy. Within the next 10-15 years, a light harvest for mature species and biomass or firewood could be performed.

### **Harvest Methods and Silvicultural Techniques:**

The majority of the land will be harvested using single tree, group selection and small patch cuts. The particular harvesting method will be determined in the field to incorporate stand characteristics and micro stand properties.

### **Wildlife Management:**

Wildlife management and habitat improvement is an important landowner objective. Managing for waterfowl, woodcock and songbirds are the main focus. Beaver and other wildlife that utilize the riparian area will also be considered.

Specific wildlife management guidelines will be completed for each stand. Basic objectives include leaving live tree and snags retention within each stands (approximately 4 of each per acre), providing early successional habitat by patch cuts and improving the diversity of stand types and age classes within the parcel, and providing riparian buffers along water ways.