

Animal Damage Control

C.1 – SCOPE OF WORK

The contractor shall furnish all labor, equipment, supervision, transportation, operating supplies and incidentals, except as provided by the government see below; and performs all work necessary to accomplish ADC.

C.2 – DESCRIPTION AND LOCATION

All areas are located in Cass County within the boundaries of the Chippewa National Forest in north central Minnesota. The stands treated for bud capping in 2016 will be retreated in 2017. Please see the attached maps for specific stand locations and acres. (209 acres X 2)

C. 3 - Animal Damage Control Bud Capping

Pine buds are a favorite food of deer and hair as a result they need some protection to deter browsing. This can be done through the use of bud caps. A bud cap is simply a piece of paper wrapped and stapled around the terminal leader and bud of the tree. This protects the terminal bud, yet allows the tree to grow up through the paper during the next growing season.

Bud capping should be done in the fall, after a hard frost but before snow covers the ground. Lightweight paper cut into 4" x 6" pieces works well. Fold the paper in half around the leader to form a sleeve that covers the terminal bud. Staple the paper together using at least three staples, and catching some needles to help hold the paper in place. No staples shall puncture or damage the stem or bud of the tree.

Bud caps staples and staplers to be used will be furnished by the Forest Service and delivered to a site designated at the pre-work conference. The contractor is responsible for storing and hauling government bud caps. Pre-cut paper bud caps must be kept dry and protected from damage. Boxes of pre-cut paper bud caps provided by the Government that are damaged or destroyed due to negligence on the part of the contractor will be assessed at \$300.00 per carton (approx. 24,000 paper bud caps per carton). The contractor shall return unused bud caps, and staples, and staplers to the forests representative within one week after job is completed. Failure to do so will result in a \$300.00 charge per carton of papers \$30.00 per stapler and \$100.00 per carton of staples. All crop trees that are under 4.5 feet tall and within the unit boundary will be bud capped. Crop tree species is determined by the COR with site specific instructions but typically it is all white pine, Jack pine and red pine. In some stands tamarack and balsam fir will be bud capped. Typical crop tree spacing is 6X8 or 800 trees per acre. Areas with in a stand that far exceed 800 trees per acre the contractor can bud cap the dominant crop trees on a 6x6 spacing and disregard all other crop trees in that area.

Work on bud capping items can begin on October 1st 2016 and must be completed by November 10th 2016.

Work on bud capping items can begin on October 1st 2017 and must be completed by November 10th 2017.

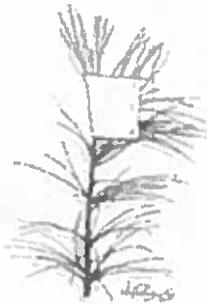
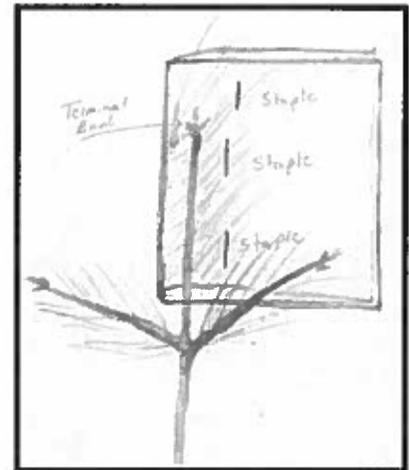
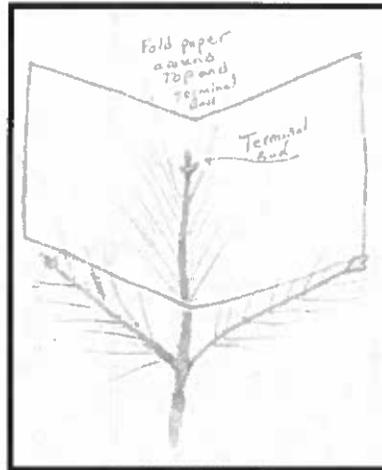
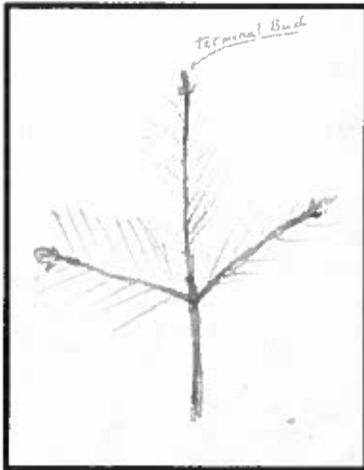
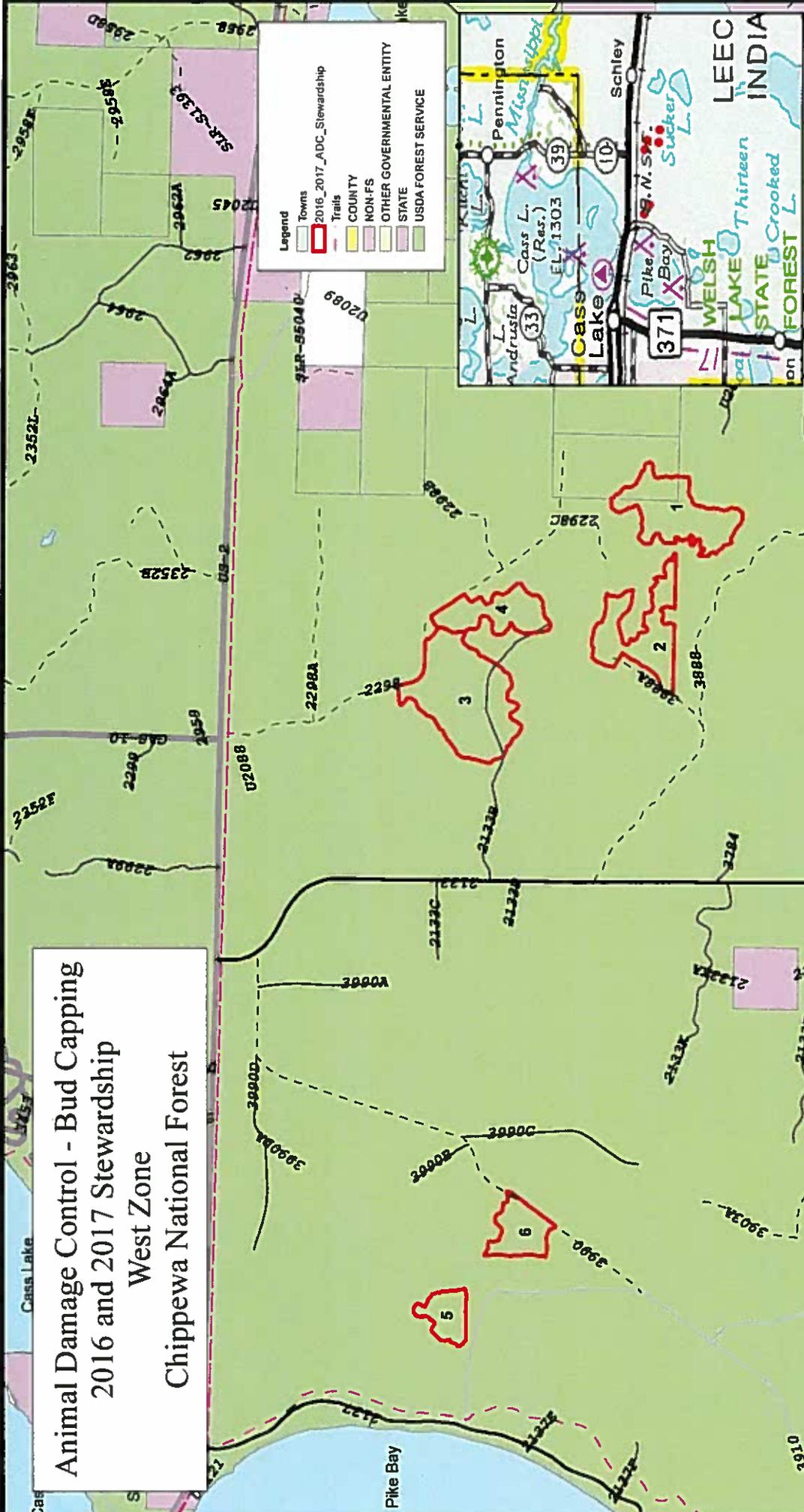


Image 2: Correct bud cap placement

Animal Damage Control - Bud Capping
2016 and 2017 Stewardship
West Zone
Chippewa National Forest



Item	Compartment	Stand	Sale Name/PU	Activity	Treated Acres 2016	Treated Acres 2017
1	2062	47	Sucker Lake Salvage/PU4	Animal Damage Control - bud capping	38	38
2	2062	45	Sucker Lake Salvage/PU2	Animal Damage Control - bud capping	50	50
3	2062	20	Sucker Lake Salvage/PU5	Animal Damage Control - bud capping	55	55
4	2062	77	Sucker Lake Salvage/PU6	Animal Damage Control - bud capping	22	22
5	2064	9	Santiago Salvage/PU6	Animal Damage Control - bud capping	18	18
6	2064	11	Santiago Salvage/PU7	Animal Damage Control - bud capping	26	26
					209	209
					Total Acres	418

