

## Appendix D

### **Scientific Measures Plan for Upper Saranac Lake**

There are two specific measurement tools for Measuring and Tracking progress and the regrowth of Eurasian Water Milfoil over the next three years

#### **D-1 Detail from Paul Smith's College Plant identification**

This document will be used by each diver to identify and assess Eurasian Milfoil density for each dive session. Before and after quantification is necessary for both long term tracking and to insure diver accountability. This process will ensure we have an accurate record of what has been done in each specific location on the lake. GPS hand held units will be utilized by each dive team to mark specific locations. For the first time, we will have a record, that can be examined, which will reveal underwater conditions at the time of removal and measure actual diver effectiveness.

#### **D-2 Detail from Paul Smith's College Long Term Transect Plan**

In order to measure regrowth and efficacy of the removal project, specific scientific measures must be in place to capture and monitor hard data over the time horizon of the project – three years. Twelve important sites have been selected as representative of factors affecting milfoil growth. Within each of these twelve areas, four transects will be established to measure regrowth. Each transect is approximately 150 feet long and is marked by a tape line on the bottom of the lake.>