average rate of mapping using snowmobiles was in excess of 1,000 acres per day. The snowmobiles were used on several occasions last winter and will be used almost exclusively in the coming winter.

Winter mapping—though the weather is severe—breaks up the cabin fever that comes with the long winters in northern New York. Most important, the Histosols can be examined in greater detail than was possible before by overcoming problems associated with severe wetness. Winter soil survey mapping can be done whenever the temperature is low enough to freeze the snow and water, making it thick enough over the organic soils for safe, comfortable travel.

So dress warm and get mapping—landscapes in the winter have their own special beauty and offer a challenge to any soil scientist worth his or her weight in snow!

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Soil Survey with the Honda ATC-110 (All Terrain Cycle) in Charlotte and Lee Counties, Florida

Allen L. Moore¹ and Warren Henderson, Jr²

During the past few months members of the Ft. Myers Soil Survey Party experimented with the use of the Honda ATC-110 cycle. One purpose of using the ATC is to conserve energy; in the course of a days work approximately one quart of fuel is used to cover 300 to 500 acres. The cycle is also used as a supplemental mode of transportation where the regular 4-wheel drive vehicles will not operate and the only other alternative is walking. The wet sloughs and tidal flats are the proving grounds in southwest Florida. We have subjected these vehicles to most conditions that exist in the survey area and the following is an analysis of our experience.

Standing water is the ATC’s main obstacle. Precipitation in the Charlotte-Lee County survey area is approximately 53 inches a year and for several months during the rainy season (June to September) as much as 10 inches stands on the surface. Some depressional areas have standing water for as long as 6 months. This high water problem is compounded with thick head-high vegetation in many areas. Even though the ATC travels through shallow water and floats, it provides little protection or

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