

Sampling by depth or by genetic horizon?

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Rock Ouimet and Catherine Périé MRNF, QC



#### **Quebec Forest Monitoring Network (RESEF)**



#### 1. Site 204, black spruce stand, boreal forest, 2002



et Faune Québec 🏘 🛊

## 2. Site 301, Northern hardwood stand, 2002 sampling



#### 3. Site 303, Balsam fir stand, boreal forest, 2002



### 4. Site 1502, northern hardwood stand, 2004



#### Soil OM vs. Soil C





# Sampling by depth or by genetic horizon?

Recommendations in the context of soil monitoring

- ✓ Sampling by 5-cm intervals is tedious and increases the number of samples; however the resolution is better;
- Sampling by genetic horizon is **apparently** easier; however there are some loss in precision both at the profile level and at resampling;
- ✓ Compromise ? : from apparently larger horizons, cut out smaller ones (~10-15 cm) for sampling by genetic horizon.

