ECOSYSTEMS AND PROTECTED AREAS MONITORING FIELD FORM V: SOIL DATA

Tracking data

Site code*: _ _ _ / _ _ _ / _ _ _ _ _ / _ _ Initials observer*: _ _ _ Organization code: _ _ _ _ _ _ _ _ Protected area:	Quadrant and longitude (W)*: 1-_ _ _ - _ _ _ - _ _ _ Latitude (N)*: _ _ - _ _ - _ _ _	UTM Zone: _ _ UTM X: _ _ _ _ UTM Y: _ _ _ _ _ _ _ Geographic range:	Date*: 200_ - _ _ - _ _ LT: _ _ - _ _	Top map nr.:

Soil data

Depth of Phreatic water: _ _. _ _ m	Depth of rock formation: _ _. _ _ m

Horizon:

Upper depth:	Lower depth:	Colour:	pH: _ _ . _	Electric conductivity: _ _ . _ _

Texture	Character	Structure	Stickiness	Consistency dry	Consistency moist
1 sand 2 loamy sand 3 loam 4 silt loam 5 silt 6 sandy clay loam 7 clay loam 8 silty clay loam 9 sandy clay 10 silty clay 11 clay 12 other	1 mushy 2 mucky 3 greasy 4 gritty 5 leafy 6 mossy 7 peaty 8 other	1 structureless 2 granular 3 non-compact layered 4 compact layered 5 loosely fibery 6 fibery 7 other	1 non-sticky 2 slightly sticky 3 sticky 4 very sticky	1 loose 2 brittle 3 slightly hard 4 hard 5 very hard	1 loose 2 very soft 3 soft 4 springy/elastic 5 firm 6 tenacious 7 very firm 8 extremely firm

Consistency wet	Graveliness (0.2-7.5 cm)	Stoniness (7.5-25 cm)	Rockiness (>25 cm)
1 non-plastic 2 slightly plastic 3 plastic 4 very plastic 5 smeary 6 slightly fluid 7 fluid	1 slightly gravelly, 2-15% 2 gravelly, 16-50% 3 very gravelly, 51-90% 4 gravel, >91%	1 slightly stony, 2-15% 2 stony, 16-50% 3 very stony, 51-90% 4 stones >91%	1 bouldery, 2-50% 2 very bouldery, 51-90% 3 boulders >90%

Characteristics of mottles		Pores abundance: _ _ _/dm2 Pores size: _ _ _ mm Pores volume: _ _ _ % Mottles abundance: _ _ _ % Mottles size: _ _ _ mm Mottles colour:	Root size: : _ _ _ mm Root abundance: _ _ _/dm2 Presence mycelia: yes / no	Root orientation 1 random 2 oblique 3 horizontal 4 vertical
1 calcareous	5 ferruginous			
2 argillaceous	6 manganiferous			
3 gypsiferous	7 saline			
4 siliceous	8 other			

Abundance of soil carbonates	Faunal activity	Abundance of faunal activity	Organic matter:	Ca:
1 non-calcareous 2 slightly calcareous 3 calcareous 4 very calcareous	1 mites-type 2 enchytroid-type 3 arthropoid-type 4 worm-type 5 other	1 none 2 little 3 common 4 abundant	P: K:	Mg:

Observations: