

Materials List for:

Laboratory and Field Protocol for Estimating Sheet Erosion Rates from Dendrogeomorphology

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Materials

Name	Company	Catalog Number	Comments
Topographic map, soil map, land cover map			To be obtained from public institutions or generate at the first phase of research
Single ring infiltrometer	Turf-Tec International	IN16-W	http://www.turf-tec.com/IN16Lit.html
Handsaw			There is no any specific characteristics to be considered regarding the model
Measuring tape			With accuracy of 1 mm
Terrestrial Laser Scanning (TLS)	Leica-Geosystems	Leica ScanStation P16	https://leica-geosystems.com/products/laser-scanners/scanners/leica-scanstation-p16
Microtopographic Profile Gauge	RS Online	Facom, 19	https://www.classic-conservation.com/es/herramientas-para-talla-y-escultura-en-madera/511-galga-medidora-de-perfiles.html
Sandpaper			from 80 to 400 grit
Scanner	EPSON	Perfection V800 Photo	https://www.epson.co.uk/products/scanners/consumer-scanners/perfection-v800-photo
Image analysis system	Regent Instruments Inc.	WinDENDRO	http://www.regentinstruments.com/assets/windendro_analysisprocess.html
Measuring table	IML		https://www.iml-service.com/product/iml-measuringtable/
Sliding microtome	Thermo Fisher SCIENTIFIC	Microm HM 450-387760	http://www.thermofisher.com/order/catalog/product/910020
Optical microscope	OLYMPUS	MX63/MX63L	https://www.olympus-ims.com/en/microscope/mx63/
Digital camera for microscope	OLYMPUS	DP74	https://www.olympus-ims.com/en/microscope/dc/
Safranin			Empirical Formula (Hill Notation) C ₂₀ H ₁₉ CIN ₄
Astrablue			Empirical Formula C ₄₇ H ₅₂ CuN ₁₄ O ₆ S ₃
Alcohol			Alcohol by volume (50%, 75% and 100%)

Distilled water			H ₂ O
Citrus oil clearing agent			https://www.nationaldiagnostics.com/histology/product/histo-clear
Coated slides	Thermo Fisher SCIENTIFIC		https://www.fishersci.com/us/en/products/I9C8JXMT/coated-glass-microscope-slides.html
Hardening epoxy	MERCK		https://www.sigmaaldrich.com/catalog/product/sial/03989?lang=es&region=ES