

1. Record Nr.	UNISA996210112203316
Titolo	Volcaniclastic sedimentation in lacustrine settings [[electronic resource] /] / edited by Nancy R. Riggs and James D.L. White
Pubbl/distr/stampa	Malden, MA, : Blackwell Science, 2001
ISBN	9786612042362 1-4443-0425-9 1-282-04236-X 1-4443-0426-7
Descrizione fisica	1 online resource (317 p.)
Collana	Special publication number 30 of the International Association of Sedimentologists
Altri autori (Persone)	RiggsNancy R WhiteJames D. L
Disciplina	551.48/2
Soggetti	Lake sediments Sedimentation and deposition Volcanic ash, tuff, etc
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Preface; Introduction: styles and significance of lacustrine volcaniclastic sedimentation; J . D. L. WHITE and N. R. RIGGS; Eruptions and eruption-formed lakes; Lithofacies architecture and construction of volcanoes erupted in englacial lakes: Icefall Nunatak, Mount Murphy, eastern Marie Byrd Land, Antarctica; J . L. SMELLIE; Eruptive process, effects and deposits of the 1996 and the ancient basaltic phreatomagmatic eruptions in Karymskoye lake, Kamchatka, Russia; A. BELOUSOV and M. BELOUSOVA; Eruption and reshaping of Pahvant Butte volcano in Pleistocene Lake Bonneville; J . D. L. WHITE Sedimentation and re-sedimentation of pyroclastic debris in lakesInfluence of magmatism and tectonics on sedimentation in an extensional lake basin: the Upper Devonian Bunga Beds, Boyd Volcanic Complex, south-eastern Australia; R. A. F. CAS, C. EDGAR, R. L. ALLEN, S. BULL, B. A. CLIFFORD, G. GIORDANO and J . V. WRIGHT; Sedimentology and history of Lake Reporoa: an ephemeral supra-ignimbrite lake, Taupo Volcanic Zone, New Zealand; V. MANVILLE;

Settling and deposition of AD 181 Taupo pumice in lacustrine and associated environments
J . D. L. WHITE, V. MANVILLE, C . J . N. WILSON, B. F. HOUGHTON, N . R. RIGGS and M. ORT
Post-1.8-ka marginal sedimentation in Lake Taupo, New Zealand: effects of wave energy and sediment supply in a rapidly rising lake; N. R. RIGGS, M. H. ORT, J . D. L. WHITE, C. J . N. WILSON, B. F. HOUGHTON and R. CLARKSON; Lacustrine-fluvial transitions in a small intermontane valley, Eocene Challis volcanic field, Idaho; B. A. PALMER and E. P. SHAWKEY; Volcanic and hydrothermal influences on middle Eocene lacustrine sedimentary deposits, Republic Basin, northern Washington, USA
D. R. GAYLORD, S. M. PRICE and J . D. SUYDAM
Lakes as sensitive recorders of eruptions and the response of distal landscapes; Tephra layers in a sediment core from Lake Hestvatn, southern Iceland: implications for evaluating sedimentation processes and environmental impacts on a lacustrine system caused by tephra fall deposits in the surrounding watershed; J . HARDARDOTTIR, A. GEIRSDOTTIR and T. THORDARSON; Late Pleistocene-Holocene volcanic stratigraphy and palaeoenvironments of the upper Lerma basin, Mexico
M. CABALLERO, J . L. MACIAS, S. LOZANO-GARCIA, J. URRUTIA-FUCUGAUCHI and R. CASTANEDA-BERNA
Environmental and tectonic controls on preservation potential of distal fallout ashes in fluvio-lacustrine settings: the Carboniferous-Permian Saar-Nahe Basin, south-west Germany; S. KONIGER and H. STOLLHOFEN; Deposition of Mount Mazama tephra in a landslide-dammed lake on the upper Skagit River, Washington, USA; J . L. RIEDEL, P. T. PRINGLE and R. L. SCHUSTER;
Index

Sommario/riassunto

This volume presents a unique compendium of papers assessing the effects of volcanism on lakes, as recorded by the volcanoclastic sediments deposited within them. The unifying theme is that the effects of volcanism on lacustrine sedimentation are diverse and distinctive, and that volcanoclastic lacustrine sediments hold the key to understanding a range of processes and events that cannot be readily addressed by the study of any non-volcanic lakes. Thirteen papers, with authors from nine countries, examine both modern and ancient eruption-affected lacustrine deposits. Volcanic eruptions
