



Nicole AL Manley (nee Archer)

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Profile

Nicole Manley is a practicing artist and a soil hydrologist for the British Geological Survey, where she combines her scientific field in soils, ecology and hydrology with her art. She is also undertaking a practice based PhD in Queen Margaret University, Edinburgh, researching Environmental Art and Water Management Policy. She uses creative practices with the intention of expressing different ways of thinking to understand patterns, relationships and processes within nature, focusing on the relationship of water and human activities. She combines aerial photography, clay sculpture, embroidery and audio techniques to generate connections between people and environment, in ways that are intuitive, phenomenological and experiential.

Experience

PRACTICE BASED PHD SCHOLARSHIP – 2018-PRESENT

Queen Margaret University, Edinburgh, Researching Environmental Art Making and Water Management Policy Making

PRACTISING ARTIST – 2015 - PRESENT

Based in Edinburgh (<https://www.nicolemanley.org/>)

SOIL HYDROLOGIST – 2013 - PRESENT

British Geological Survey, Lyell Centre, Research Avenue South, Edinburgh
(<https://www.bgs.ac.uk/staff/profiles/42589.html>)

HYDROLOGIST AND FLOOD MANAGEMENT – 2010-2013

Centre for Water Law, Policy and Science (under the auspices of UNESCO), Peters Building, University of Dundee

FOUNDER AND DIRECTOR OF ECOWAVES – 2007-2010

Natural water solutions, Reinososa, Spain

RESIDENT COORDINATOR AND FACILITATOR FOR ENVIRONMENTAL SUSTAINABILITY AND HOLISTIC SCIENCE – 2006-2007

Schumacher College, University of Plymouth, Dartington Hall, Totnes

COORDINATOR AND SOIL SCIENCE RESEARCH – 2004-2006

Inner Mongolia, China and Giessen University, Germany.

POSTDOCTORATE IN REMOTE SENSING AND WATER USE – 2001-2004

Department of Environmental and Applied Biology, University of Dundee, UK.

Education

Masters of Research in Creative Practices (Distinction), Glasgow School of Art, Glasgow, UK – 2017

PhD (Integrating Soil Science, Ecology and hydrology) Institute of Water and Environment, Cranfield University, Silsoe, UK – 2000

Master (MSc) Natural Resource Management. Institute of Water and Environment, University of Cranfield, Bedfordshire, UK – 1996

BSc Degree (hons) Environmental Science. University of Wales, Aberystwyth, UK, – 1994

Art Residencies

New Zealand Pacific Studio, 7th to 13th May 2018.

Shannel Trust, Farquharson Estate, based in the Dee River Catchment, 9th July 2019 to present.

Recent Exhibitions

Evolving the Forest (group)	Space Gallery, Dartington Hall, Dartington	19 th – 21 st June 2019
Standstill (group)	Crownpoint Studios, Glasgow	16 th – 21 st Dec. 2018
The Art of Geology (group)	Dynamic Earth, Edinburgh	11 th Nov. 2018
Hanoi Forum 2018, towards sustainable development (solo)	Vietnam National University	9 th – 11 th Nov. 2018
The Red River: The Cascading Hazards Workshop. (solo)	Vietnam National University	21 st – 25 th May 2018
Flood Risk Management Conference 2018 (solo)	Strathclyde Technology and Innovation Centre, Glasgow, UK	6 th – 7 th Feb. 2018
Science Festival 2017 (solo)	British Geological Survey, Keyworth, UK	7 th – 8 th Dec. 2017
Graduate Show (solo)	Glasgow School of Art, UK	2 nd – 7 th Sept. 2017
Residual (group)	New Glasgow Society, Glasgow, UK	12 th – 14 th June 2017
Water Ways (solo)	British Geological Survey, Edinburgh, UK	18 th and 25 th May 2017
Water Ways (solo)	Glasgow School of Art, Glasgow, UK	16 th May 2017
Transience (group)	New Glasgow Society, Glasgow, UK	26 th - 29 th April 2017
No Expected Outcome (group)	IOTA, Glasgow	14 th - 23 rd April 2016

Commissioned work

The Red River. British Geological Survey for display at the National University of Vietnam, Hanoi May 2018.

The source of the Ebro. Private commission, Reinosa, Spain, August 2018.

Memberships

Scottish Artist Society

Professional member of Edinburgh Sculpture Workshop

Recent Publications

Ó Dochartaigh, B.É., Archer, N.A.L., Peskett, L., MacDonald, A. M., Black A.R., Auton, C.A., Merritt, J.E., Gooddy, D.C., Bonell, M. (2019) Geological structure as a control on floodplain groundwater dynamics. *Hydrogeology Journal*, 27:703-716 (<https://doi.org/10.1007/s10040-018-1885-0>)

Archer, N.A.L., Otten, W. Schmidt, S., Shah, N. and Bonell, M. (2015). Rainfall infiltration and soil hydrological characteristics below ancient forest, planted forest and grassland in a temperate northern climate. *Ecohydrology*. (<https://doi.org/10.1002/eco.1658>)

Archer, N.A.L., Bonell, M., MacDonald, A.M., Coles, N. (2014). A Constant Well Head Permeameter formula comparison: its significance in the estimation of field saturated hydraulic conductivity in heterogeneous shallow soils. *Hydrology Research* (<https://doi:10.2166/nh.2014.159>)

Archer, N.A.L., Bonell, M., MacDonald, A.M., Coles, N., Auton, C.A., Stevenson, R. (2013). The relationship of soil and woodland cover on soil hydraulic conductivity at a hillslope scale and local flood management in the Scottish Borders. *Journal of Hydrology* 497, 208-222 (<https://doi.org/10.1016/j.jhydrol.2013.05.043>)

Archer, N. A. L., Quinton, J. N., Hess, T. M. (2012). Patch vegetation and water redistribution above and below ground in south-east Spain. *Ecohydrology* 5, 108-120 (<https://doi.org/10.1002/eco.210>)