REPRESENTING LANDSCAPES: ANALOGUE
EDITED BY NADIA AMOROSO
FOREWORD BY JIM RICHARDS
"In chapter after chapter, contributors describe innovative techniques and sophisticated pedagogies as well as provide exemplary approaches to using analogue tools for recording and documenting the landscape. *Representing Landscapes: Analogue* is sure to become the keystone for future generations of designers who will bravely carry forth the torch that a few of us struggled to keep lit."

**Chip Sullivan, UC Berkeley, USA**

The fourth book in Nadia Amoroso’s Representing Landscapes series, this text focuses on traditional methods of visual representation in landscape architectural education. Building on from the previous titles in the series, which look at digital and hybrid techniques, *Representing Landscapes: Analogue* is a return to the basic foundations of landscape architecture’s original medium of visual communication.

Each of the twenty chapters includes contributions from leading professors teaching studio and visual communication courses from landscape architecture programs across the globe, showcasing the best student examples of analogue techniques. It demonstrates the process from graphics as a form of research, design development, and analysis, to the final presentation through drawings, models and descriptive captions of the methods, styles and techniques used. It features critical and descriptive essays from expert professors and lecturers in the field, who emphasize the importance of the traditional medium as an intrinsic part of the research, design and presentation process.

Over 220 full-colour images explore the range of visual approaches students and practitioners of landscape architecture can implement in their designs. With worked examples in the chapters suitable for class use, this is an essential book for visual communication and design studios.

**Nadia Amoroso** is a faculty member at the University of Guelph, Department of Landscape, School of Environmental Design and Rural Development. She was the Lawrence Halprin Fellow at Cornell University and the Garvan Chair Visiting Professor at the University of Arkansas. She holds a PhD from the Bartlett School of Architecture, UCL, London, and degrees in Landscape Architecture and Urban Design from the University of Toronto. She specializes in visual communication in landscape architecture, digital design, data visualization and creative mapping. She also operates an illustration studio, under her name, focusing on landscape architectural visual communication. She has written a number of articles and books on topics relating to creative mapping, visual representation, and digital design.
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Contributors

Richard Alomar is a landscape architect, associate professor of landscape architecture at Rutgers University and co-founder of New York Urban Sketchers. Alomar uses sketching as an exploratory tool to observe the environment, record impressions and develop ideas on space, place and design. His research focus is on the connections between sketching, walking and cognition of place. He holds a BS in agronomy from the University of Puerto Rico at Mayaguez and an MLA from Louisiana State University.

Simon M. Bussiere is an Assistant Professor in the School of Architecture at the University of Hawai‘i at Mānoa. Bussiere’s studios and seminars focus on exploring ecological patterns and processes as the key drivers of urban form. He currently teaches courses in urban ecological design and experimental modes of design representation.

Kelly Coderberg, MLA, is an assistant professor in the School of Landscape Architecture and Planning at the University of Arizona. She holds an MLA (Master of Landscape Architecture) and BFA in studio arts from the University of Arizona and a BA in Communication from Central College. She currently teaches Design Studio 3, Landscape Analysis and the interdisciplinary design studio for the graduate program in Landscape Architecture in addition to Intro to Design Thinking (online) for the Sustainable Built Environments undergraduate program.

Maria Debijs Counts is an assistant professor of Landscape Architecture at Clemson University and previously an assistant professor of Landscape Architecture Urbanism at the Illinois Institute of Technology, College of Architecture in Chicago, Illinois. She also directs urban landscape research at Counts Studio. She is currently working on a grant from the Van Allen Institute that explores representation techniques in visualizing sensorial aspects of public parks to examine their potential as design elements for improving well-being for people in cities.

Allison M. Dailey is the co-founder of Ballistic Architecture Machine (BAM). She is trained in landscape architecture, architecture, and craft art, with over a decade of experience in practice. BAM is a multidisciplinary design office based in Beijing and New York. Allison co-founded BAM with two former classmates in the undergraduate architecture department at Cornell University.

Miran Jung Day is an assistant professor of Landscape Architecture at the College of Architecture and Environmental Design, at Cal Poly. She specializes in design communication, natural system analysis, program development and GIS.

As a Principal with over twenty-five years of experience, Kona Gray has been involved in many planning, landscape architectural and urban design projects, ranging from large-scale master planning to detail site design with emphasis on community planning, hospitality, urban waterfronts, parks, healthcare and campus planning since he joined EDSA in 1997.

Peter Lundgaard Hansen, Landscape Architect and Educator, Landscape Architecture and Planning, University of Copenhagen, 2010–present. He teaches several Design Studios, and Theory and Method courses, and has been responsible for 4th year design studio at the MSC landscape architectural program since 2007 and supervisor on bachelor and master degree courses.
Fiona Harrison teaches in Landscape Architecture at RMIT University in Melbourne, and has a background in horticulture, landscape architecture and urban culture. Her teaching and research explores modes of practice through the one-to-one scale. She is undertaking a practice-based PhD at RMIT, in which the making of a private garden is an intimate durational practice. Fiona was recently guest editor for a special issue of Landscape Review “The Garden as Laboratory.” She also practices as a design consultant on public projects and private gardens.

Adrian Hawker is a lecturer in architecture at ESALA, the University of Edinburgh, where he is director of the Master of Architecture programme. With the artist Victoria Clare Berrie, he has been running studios under the theme of ‘Island Territories’ which have developed urban landscape proposals for the cities of Valleria, Klaipėda, Venice, Nicotzia and Havana. Adrian is co-director of Metis, an atelier for art, architecture and urbanism which he founded with Mark Dorrian with the aim of connecting teaching, research and practice. Their work focuses on the city and the complex ways in which it is imagined, inhabited and representationally encoded.

Zaneta Hong is an Assistant Professor in Landscape Architecture at the University of Virginia, where she teaches courses in materials ecology and digital practices. She received her MLA from the Harvard Graduate School of Design and BFA in Industrial Design from the Rhode Island School of Design. Zaneta is a Partner and Design Principal of GSA Collaborative, a design-oriented non-profit organization focused on the strategic implementation of culturally specific architecture and landscape; and Meta Field | Meta Field, a speculative and applied research lab focused on material and procedural design processes and their implications on culture, technology and the built environment.

Chen Jieping is an associate professor of Architecture School, Southeast University, China. Jieping was also a visiting scholar at MIT in 2015. Jieping specializes in the design methods and theories of landscape architecture. 

Katie Kinergy-Page is associate professor of landscape architecture at Kansas State University and a licensed landscape architect. Her training is in sculpture and drawing, art theory, ecology, and landscape architecture. She has worked as a seamstress, photographic printer and landscape laborer—experiences that give her a strong appreciation for craft. Kinergy-Page’s scholarly work explores the value of arts and humanities knowledge for the practice of landscape architecture. This inquiry is tested through community-based design, often during service-learning projects with her students. Kinergy-Page is a Civic Engagement Fellow at K-State and recipient of the Council of Educators in Landscape Architecture Award for Excellence in Service Learning. She wishes to acknowledge the lasting influence of her drawing mentor, Lorrin Clement.

Marian Macken teaches in design and media in the School of Architecture and Planning at the University of Auckland. She trained in architecture, landscape architecture and visual arts, receiving a PhD, by thesis and creative work, from the University of Sydney. Marian’s research examines histories and theories of spatial representation; temporal aspects of architecture; and the book form as spatial practice. Her work has been acquired by various international public collections of artists’ books, including collections at Tate Britain, the Victoria and Albert Museum, UK, and Urawa Art Museum, Japan.

Keith McPeters, RA, a Principal at GGN, merges architecture and landscape architecture with his interests in art, music and history. In projects such as San Francisco’s India Basin Shoreline Park, Keith emphasizes connections between a site’s natural and cultural history, produces environmentally sustainable landscapes, and addresses infrastructure issues within an urban context.

David Malda, ASLA, LEED AP, is a Principal and key design leader at GGN. His work shows a strong interest in redefining public spaces to more clearly connect into their urban context as vital spaces for living, working, and relaxing. In projects such as San Antonio’s Civic Park at Hemisfair, the evolving potential of the modern American city engages his thinking and is the focus of his design work.

Elizabeth Mossop is Professor of Landscape Architecture and Dean of Design Architecture and Building at the University of Technology in Sydney and has held leadership positions at Harvard GSD, the Robert Reich School of Landscape Architecture at LSU and UNSW. She is a founding principal of Spackman Mossop + Moses landscape architects, based in Sydney and New Orleans. Her research and practice is concerned with landscape’s role in urban revitalisation and resilient communities and cities in the face of climate change.

Alpja Navre is assistant professor in the Department of Landscape Architecture at University of Florida, and partner at her design practice, Alpja Navre Design. She is a recipient of the US Council of Educators in Landscape Architecture Award for Excellence in Design Studies teaching, the Harvard Dumbarton Oaks Mellon Fellowship in Urban Landscape Studies, and Landscape Architecture Foundation’s Fellowship for Innovation and Leadership. She holds a Master’s degree in Urban Design from Harvard Graduate School of Design, a Master’s in Landscape Architecture from Louisiana State University, and a Bachelor in Architecture from NIT, Roorkee, India.

Shannon Nichol, FASLA, PLA, LEED AP, is a Founding Principal of GGN. Her designs, including Millennium Park’s Lurie Garden, Boston’s North End Parks, and San Francisco’s India Basin Shoreline Park are widely recognized for being deeply embedded in their neighborhoods and natural contexts. Shannon’s work incorporates complex functions into simple frameworks and refined landforms.

OLIN creates distinguished landscapes and urban designs worldwide. Our work is predicated upon social engagement, craft, detail, materiality and timelessness, and our appreciation of the urban environment is paramount. We approach each project individually, basing design decisions upon the underlying expressive power of a particular site in conjunction with specific programmatic requirements. In all of our work, we carefully assess the distinguishing spatial characteristics of a site, its connections to surrounding areas, local traditions and history, the natural environment, and social and cultural conditions.

OLIN has offices in both Philadelphia and Los Angeles and works throughout North America, Europe and Asia. Our portfolio stretches across myriad scales and typologies, including celebrated places such as Bryant Park in New York City, the J. Paul Getty Center in Los Angeles, and the grounds of the Washington Monument in Washington, DC. In each instance, our multidisciplinary design staff creates environmentally advanced technical projects, promoting greater social engagement and ecology for every project.

Rebecca Popowsky is a Research Associate at OLIN. Since joining the Studio in 2009, she has contributed to a wide range of design, planning, and construction projects at OLIN. Her portfolio includes Canal Park in Washington, DC, Dilworth Park in Philadelphia, and collaboration with the Army Corps of Engineers to restore the FEMA floodplain on the Potomac Park levee on the National Mall. Currently, Rebecca leads OLIN’s external research initiatives, including work with academic and scientific institutions and allied professionals. In addition to practice, Rebecca teaches design studies, representation and field ecology courses at the University of Pennsylvania, where she is the coordinator of the MLA program’s first semester. Rebecca earned dual master’s degrees in Architecture
and Landscape Architecture from PennDesign and a Bachelor of Arts in Architecture and Urban Studies from Yale University.

Russell W. Reid, Academic AIA, ASAL, AIGA, is an Associate Professor of the Practice in the College of Architecture at Texas A&M University. Prof. Reid teaches in the areas of Design and Graphics at both the undergraduate and graduate levels in the Department of Landscape Architecture and Urban Planning, Digital Illustration and New Media in Architecture, and Analogue and Digital Media in Drawing and Painting in the Department of Visualization Sciences. Prof. Reid’s academic background is in the area of Architecture where he studied in the United States, United Kingdom and Europe. Reid worked in Architectural Practice for five years interned with Environmental Graphic Design and Public Art for twenty-three years before returning to academics in 2008.

Jim Richards is an artist, urban designer, landscape architect, author and educator whose work explores great places and place-making around the globe. He is co-founder of Townscape Inc. an award-winning urban design consultancy firm. He is often a keynote speaker for conferences and symposia, and he travels globally to teach design drawing and urban sketching workshops for both students and professionals. Jim is also a blog correspondent and serves on the International Advisory Board for Urban Sketchers.

Principal of Studio Roberto Rovira, ASLA, Associate Professor, and former chair of Landscape Architecture + Environmental and Urban Design at Florida International University. As a landscape architect with a design, engineering and fine art background, his teaching, research and creative work explore the potential of landscape architecture for public space and the intersection of technology and the natural world. Roberto has been recognized nationally and internationally for his work as an educator and professional. Most recently, the Architectural League recognized him as one of eight 2015 Emerging Voices. In 2017, he was identified by Architect’s Newspaper as 1 of the 5 most exciting design firms in Miami.

Paul Russell is the Director of Landscape Architecture Graduate Programs and Associate Professor at Clemson University. He has a MLA degree from Louisiana State University. He specializes in community design, landscape performance and materials investigation.

Alviero de Salvatierra is a multilingual and bicultural polymath, architectural designer and landscape urbanist. Prior to teaching at the UNLV School of Architecture as Visiting Professor, he taught ecolological design at Cornell University, architecture foundations at the Boston Architectural College, and landscape architecture at Harvard University’s Graduate School of Design.

Eilnor Searth is a landscape architect and lecturer at ESALA, the University of Edinburgh, where she is the program director of the MLA in Landscape Architecture. Based in Paris since 2004 Eilnor has been involved in a wide reaching portfolio of landscape design projects. Upon returning to Scotland in 2015 Eilnor established the landscape architecture design collective INLANDSIS in collaboration with Mar Armengol and Etienne Halper. Conscientious of the processes that form and transform landscapes, Eilnor aspires to develop devices that allow us to observe, understand and question the landscapes we inhabit; the invitation to physical exploration is fundamental to her work.

Samantha Solano is an Assistant Professor of Landscape Architecture at the University of Nevada, Las Vegas (UNLV) School of Architecture and a member of the International Landscape Collaborative (ILC). Her representation research focuses on advanced analogue and digital media through cartographic explorations and immersive technologies. She studied landscape architecture at both UNLV and Harvard University’s Graduate School of Design.

Ashley Steffens is an Associate Professor in the College of Environment and Design at the University of Georgia. She is the Technology Editor for Landscape Architecture and Specifier News, co-author of a book, Computer Graphics for Landscape Architects, an Introduction. Ashley serves as the Secretary and Vice President of the Council of Educators in Landscape Architecture (CELA) and co-chair of the Design Education and Pedagogy track for the CELA conferences.

Dietmar Strauss is a landscape architect and Stadplaner and co-founder of Straub Thurner Landscape Architects. He received his Dipl. Ing. Univ. degree from the Technical University of Munich. Dietmar is an associate professor of landscape architecture at the University of Manitoba.

Tiago Torres-Campos is a Portuguese landscape architect and lecturer at ESALA, the University of Edinburgh. He is the programme director of the MA in Landscape Architecture. Through his PhD focusing on geopolitical representations of Manhattan, he investigates possibilities of contemporary territoires and landscapes to exist in the face of the Anthropocene. In June 2017, he co-organized the international symposium Postcards from the Anthropocene and a subsequent book will be published in 2019. He is the founder of CNTXT Studio, a research-by-design platform focusing on the study of landscape and its intersections with architecture, art, design and digital media.

5 Composing cartographies of complexity

Ed Wall

Landslapes are messy. They are ill-fitting, contradictory, dirty and used. Landscapes don't look, smell, taste or feel how they are frequently represented in idealised landscape drawings. Instead, the visceral dimensions of landscapes that are the focus of issues such as human rights, environmental changes and urban development, expose, threaten and terrify as well as comfort, empower and inspire. And as we work with landscapes as designers we must employ a range of methods to research them, inventive approaches to analyse what we find and a range of tools to develop proposals and represent designs.

This chapter discusses a specific drawing that, in the Advanced Landscape Studio at University of Greenwich, we term a 'base drawing' (See Figure 5.1a). The base drawing is a composite layered drawing, usually composed as a single scaled plan or sectional elevation, which brings into close proximity contrasting landscape information. The aim of creating a base drawing is to recognise site-specific relations and issues that can be worked with as proposals. The base drawing is, therefore, a foundational composition that we can develop during the design process, and that enables us to navigate from collecting and organising data, recognising issues and developing proposals (See Figures 5.1b and 5.1c).

To make base drawings, we iteratively draw and re-draw what we find during fieldwork and desk studies. Conventional architectural and geographical drawings of plans and maps are redrawn, rescaled and layered in order to analyse relations across different data sets. This enables us to further understand the site. Written narratives and photographic studies are also spatialised through being reinterpreted in drawings; thus the important information that they contain can be overlaid with reworked maps, plans and aerial photographs. The drawing, ordering, sifting, arranging, overlapping, rescaling and editing required in creating the drawing is an analytical process that allows us to establish, and communicate, what we argue is uniquely important about the landscape we are studying.

The base drawing brings together contrasting local and regional scales, intersects long histories with fleeting events and brings into close proximity spatial, ecological and political information (See Figure 5.2a). Through the drawings, global issues of colonisation and climate are brought to bear on local scale landscape conditions. Historic maps and visualised accounts of daily lives in these landscapes are brought together in a single drawing. And information of planned urban developments is layered with projections of flooding frequencies and intensities (See Figures 5.2b and 5.2c).

As official narratives presented in maps are combined with personal stories learned from unstructured conversations, unique site knowledge is aggregated. As a greater number of layers and fragments are added to the base drawing, a sorting, prioritising and editing process intensifies. With the aim of developing a base from which to develop proposals, parts of the base are highlighted and others recede into the background. However, as the base drawings begins to emphasise the significant issues of the landscape studied, and as spaces and conditions suggest future proposals, the complexity of the sites reveals the potential of closely studying landscapes.

Hand drawing is a useful tool in these iterations. Editing, sketching and drafting by hand provide an immediate marking of information and a direct relationship between the designer and the composition. Hand drawing is, however, not the only tool – as overlays and drawn elements are scanned, manipulated as raster images, traced on tablets, and 'vectorised' through digital drawings. Digital models are imposed onto hand-drawn maps to articulate the heights and shadows of landscapes. Photographs are incorporated into the base drawing but are then sketched over in pencil and pen (See Figure 5.3a).

The working and reworking of the base drawing through contrasting media and across prolonged periods of time begins to represent the multifaceted landscapes that are being investigated. The drawings represent the difference between formalities of government planning and unplanned spaces or activities in contrasting graphic modes. Like the landscapes themselves, the varying media employed communicate different conditions. Personal local histories are often represented through pencil drawing and loosely defined migratory zones are illustrated in layers of transparent washes of watercolour. Correspondingly, measured elements of contemporary architecturally constructed landscapes are often modelled digitally (See Figures 5.3b and 5.3c).

The base drawing, while ideally it is never finished through being added to and edited during the design process, should reveal issues, relationships and priorities of the designer. It should also be exquisitely drawn, composed and considered. While each mark that is made corresponds to actions in the site, traces of the designer's actions embody residues, mistakes and inaccuracies. Such drawings, while they can incorporate the precision of geo-referenced digital maps, their layered and collaged qualities reveal the incompleteness of landscapes while providing designers with essential tools to engage with their complexities.
Figure 5.1a showing urban development of Docklands in new colonizations. By Cesare Cardia.

5.1b
Sketch fragments of English colonial histories. By Cesare Cardia, University of Greenwich, London.
5.1c
Layer showing the historical arrangement of streets and buildings on Isle of Dogs. By Cesare Cardia.
5.2b
Sectional sketches through docks. By Liz Stark.

5.2c
5.3a
Base drawing showing Thames past building histories. By Mais Kahloum.

5.3b
Layer showing the tidal Thames. By Mais Kahloum.
6 Urban sketching
The practice of sketching and communicating

Richard Alomar

Much of the debate regarding the value of analogue versus digital representation has progressed in the last two decades from antagonism to integration, when the disappearance of sketching as a skill was feared; where sketching and drawing are one of many representational tools to express ideas, forms and relationships in spatial and psychological terms. Much can be argued on the topic, but what is relevant to this discussion is the value of educational content and explicit methods that integrate sketching and drawing in the analysis and design of landscapes, and how instructors can develop practical drawing exercises where students and practitioners learn to sketch quickly and comprehensively with confidence, purpose and creativity. For the purpose of this discussion, the terms drawing and sketching are used interchangeably and defined as “the action of recording ideas and observations with marks, lines and words.”

A brief summary of sketching in landscape architecture

Sketching and drawing classes had been relegated to studio drawing and diagramming when digital photography, video, and two and three dimensional graphic programs became more popular and accessible. Digital Drawing for Landscape Architecture by Brad Cantrell and Wes Michaels replaced Drawing the Landscape by Chip Sullivan as the visual and representation text for landscape architects; a shift reflected across design disciplines as the speed and standardization available through digital formats made communication and collaboration among disciplines possible.

Sketching and its relevance to academic practice and pedagogy was revisited in Caroline Lavoie’s Sketching the Landscape: Exploring a Sense of Place followed by “Exploratory Physiocartoographies of Place and Time,” a sketch crawl and panel discussion at the 2013 Annual Council of Educators in Landscape Architecture (CELA) meeting in Austin, Texas. Between 2005 and 2017 there have been a series of lectures and activities that formally discussed the practice and theory of sketching; ranging from the Urban Sketchers first International Symposium in Portland, Oregon to the history and theory of drawing and architecture in the “Is Drawing Dead?” Symposium at the Yale School of Architecture to the publication of James Richards’ Freehand Drawing and Discovery: Urban Sketching and Concept Drawing for Designers.

Since the 2013 CELA meeting, the American Society of Landscape Architects (ASLA) has organized five sketch events (Sketch Walks) for their annual meetings in Boston, Denver, Chicago, New Orleans and Los Angeles. The Sketch OutLoud public awareness event for the celebration of World Wide Landscape Architecture Month has been part of ASLA Chapters across the country since 2015. Several Landscape Architecture programs have reintegrated sketching and sketch walks as part of their design studios.