

1 professional framework defines the scope of practice, responsibilities and ensures
2 professional accountability and safety, but can also operate as “professional frames
3 which limit the extent to which landscape architecture can experiment, evolve or be
4 creative” (Selanon, 2019, p. 279).

5 6 7 **Research Problem**

8
9 The tension between the regulated practice of landscape architecture and the
10 unregulated and experimental projects of land art creates a unique opportunity to
11 examine the relationship between the two and map the ways that conceptual ideas
12 from land art can be and have been valuable to the contemporary practice of
13 landscape architecture. Meyer (2004) describes a split between art and landscape
14 architecture, which “the art of making the landscape visible, beautiful and
15 memorable had been made subservient to function” (p. 4).

16 A research question has been developed to help illustrate the research goal, it
17 asks: How do conceptual parallels between land art and contemporary landscape
18 architecture show an indirect lineage of ideas operating through discourse,
19 representation, and design practice?
20

21 22 **Research Goal**

23
24 This research question asks whether a network of conceptual ideas among land
25 artists of the 1960s-70s has indirectly influenced contemporary landscape architects
26 in their conceptual and aesthetic approaches to landscape. This thesis argues that
27 many of these experimental ideas were later absorbed into landscape architecture,
28 where they became operationalized through professional practice, especially in
29 large-scale, post-industrial, and infrastructural landscapes. The principles of
30 materiality, scale, time, change, and entropy explored by land artists such as Robert
31 Smithson and Nancy Holt have circulated into contemporary discourse, informing
32 the design thinking of award-winning landscape architects like James Corner and
33 Michael Van Valkenburgh, suggesting an indirect lineage or network of ideas
34 connecting the two professions.
35

36 37 **Objectives**

38
39 Some research objectives included the following:

- 40
41
- 42 • Establish the conceptual foundations of land art to examine key ideas developed in the 1960s and 70s by land artists, such as entropy, site-

- 1 specificity, temporality, and scale, through theoretical and historical
2 literature.
- 3 • Identify parallels in concepts and design approaches between land art
4 projects and contemporary landscape architecture projects.
 - 5 • Compare and analyze the transformation of ideas across disciplines, i.e. how
6 land art concepts have been adapted and reinterpreted in landscape
7 architecture practice.
 - 8 • Examine key contemporary landscape architects' thoughts on design
9 thinking and how land art is perceived, referenced or embedded within
10 professional practice.
 - 11 • Reframe “influence” through a theoretical lens, as a network of actors (i.e.
12 Actor-Network Theory) shaping design thinking over time.
 - 13 • Position this conceptual lineage as significant for contemporary landscape
14 architecture practice today. To recognize this lineage is to advance
15 experimental, creative and ecologically driven designs.
- 16
17

18 **Literature Review**

19

20 A literature review was conducted to strengthen the research approach by
21 integrating theoretical and practical applications in land art and landscape
22 architecture. The objective is to trace a lineage of conceptual ideas through
23 discourse, documentation of works and practice of contemporary landscape
24 architects. This literature review maps the conceptual lineage from the late 1960s to
25 the 1970s, land art to contemporary landscape architecture, using environmental
26 aesthetics and Actor-Network Theory as theoretical lenses. The literature review
27 reveals a gap: a lack of comparative, side-by-side project analysis investigating how
28 concepts have translated over time and through which avenues. This gap will help
29 inform the case study analysis in Chapter 4.

30
31

32 **Environmental Aesthetics Theory**

33

34 Environmental aesthetics rooted itself in eighteenth- and nineteenth-century
35 European and North American thought on aesthetic interests in the landscape and
36 one's natural surroundings, with key ideas including the sublime, the picturesque,
37 and environmental positivism. The theory holds that environmental aesthetic
38 appreciation involves both cognitive dimensions (natural history and processes are
39 essential to appreciating nature) and non-cognitive dimensions (phenomenological
40 approaches, immersion, multi-sensory perceptions, emotions, etc.) (Defrančeski,
41 2022).

1 A deep-rooted theme in environmental aesthetics, upheld in landscape
2 architecture practice, is the connection between aesthetic experience and ecology
3 (Parsons & Carlson, 2024). In addition to connecting aesthetic experience with
4 notions of ecology, environmental aesthetics also connects with the concerns of
5 environmental ethics, such as protecting the environment from human destruction
6 and preserving nature's beauty or aesthetic value (Parsons & Carlson, 2024).
7 Environmental aesthetics offers a theoretical lens for investigating the parallels
8 between land art and landscape architecture in this research, by foregrounding how
9 human perceptions, sensory engagement and ecological context shape natural and
10 designed environments.

11 12 13 **Actor-Network Theory**

14
15 Developed by Bruno Latour (2005), the Actor Network Theory or ANT, is
16 described as “an actor-network is what is made to act by a large star-shaped web of
17 mediators flowing in and out of it. It is made to exist by its many ties: attachments
18 are first, actors are second” (p. 217). Applying Latour's views to the transmission
19 of ideas and forms in land art and landscape architecture in this research suggests
20 that specific projects or designs within these two disciplines are not singular
21 creations but actor-networks assembled through a star-shaped web of
22 representatives.

23 This theory explains that actors, as human or non-human, establish a network
24 through transmission and connection. In this sense, an “actor” is any entity,
25 individual or concept that modifies a state of affairs (Latour, 2005). The “actors” in
26 this research are human and non-human entities, such as Robert Smithson or Nancy
27 Holt as people or groups, and non-human actors, such as a land art project itself, a
28 design tool such as aerial documentation, or an abstract concept such as entropy or
29 site-specificity. The Actor-Network Theory (ANT) provides a powerful lens for
30 explaining how land artists and their works, as actors, actively transformed the
31 network of contemporary landscape architecture. Rather than a simple story of
32 influence, using ANT frames this research as a dynamic process of connection and
33 transformation (Allen, 2011).

34 Tietjen (2018) explains how ANT can be useful in understanding the landscape.
35 ANT can provide a relational understanding of site, context and scale, allowing us
36 to recognize a site or project as “dynamic connections between human and non-
37 human actors: people, their activities and desires, built structures, landscape
38 features, climatic conditions, etc. mutually affect each other by interaction.” (p. 14).
39 The ANT theory shows that historical influence is not a simple linear inheritance
40 but a dynamic network of ideas, materials, and actors that have been translated,
41 amplified, and recontextualized from land art in the 1960s into contemporary
42 landscape architecture practice.

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Historical Context of Land Art (1960s-1970s)

Emerging in the late 1960s and early 1970s, the land art movement was a radical artistic practice that rejected the commercialization of art in the gallery setting and shifted its artwork into the natural landscape. The movement coincided with intense social, political and environmental change, including the first Earth Day in 1970, rising ecological awareness and protests against the Vietnam War (Culbert, 2020; Meyer, 2004).

Key land artists such as Robert Smithson, Nancy Holt, Walter De Maria, Michael Heizer, Dennis Oppenheim, and Mary Miss worked directly with the earth, treating the landscape as both a medium and a site. These artists deliberately chose remote, barren, post-industrial sites to create monumental, site-specific installations, subsequently underlining the experience and perception of the work. The central concepts explored in these works included entropy, materiality, scale, phenomenology, and a desire for creative documentation. Land art’s focus on sensory engagement was later adopted by landscape architecture as a concern with user experience, perception, and value in public spaces.

Synthesis of Art, Science and Ecology

Land art fundamentally existed as art on the land, not as landscape design; projects were recognized more for their artistic qualities than for their attention to sustainability or ecological succession. Meyer (2004) discussed the history of integrating sustainability into design in the 1980s, when designers and educators, such as Catherine Howett, Michael Hough, Anne W. Spirn, Michael Van Valkenburgh, and George Hargreaves, were working to achieve this synthesis of art, science, aesthetics, and environmentalism. She argues that this cultural shift in landscape architecture is less focused than it was in the 1980s, signaling a growing integration of art, science and environmentalism in today’s practice. Corner (2014) refers to the 1970s, recognizing the enormous impact of 1970s land art as a catalytic moment for landscape’s recovery and for bridging its instrumental and expressive potentials.

Corner (2014), Gustafson (2017), Weilacher (2010), and Meyer (2004) similarly identified an overlap among art, science, and ecology in land art and landscape architecture.

Differentiation between Land Art and Landscape Architecture

The most significant difference between land art and landscape architecture lies in the responsibilities expected of each practice. Land art is classified as a reaction against commercialized art in galleries; it focuses more on the artistic concept and

1 the canvas or place it occupies, compared to landscape architects, who are faced
2 with a full panoply of factors (Baird, 2010).

3 Udo Weilacher (2010) highlights the differences between land art and
4 landscape architecture, noting that landscape architecture places greater emphasis
5 on ethics and responsibility than on aesthetics. He talks about the change in thinking
6 that has occurred on the intersection of art and landscape architecture, suggesting
7 that “Landscape architecture has regained creative freedom” (Weilacher, 2010, p.
8 4).

9 Despite a discipline separation regarding policy, licensing and governing
10 bodies, the literature identifies significant areas where land art and landscape
11 architecture share concepts and goals, for example, Selanon (2019) writes:
12 “Relevance of the environment art upon landscape architectural works seems to be
13 obvious” (p. 80).

14 15 16 **Anthology of Land Art Concepts**

17 **Materiality**

18
19 A highly important theme across the literature is materiality and its significance
20 to both land art artists and landscape architects. The nature of materials in land art
21 projects is very significant; it is a means of conveying inherent meanings and its
22 own history and mythology” (Weilacher, 1996, p. 14). Michael Van Valkenburg
23 discusses materiality and his inspiration for it through Robert Rausenburg (Isabella
24 Stewart Gardner Museum & Van Valkenburgh, 2015). Robert Smithson’s chapter
25 of his Collected Writings, *Spiral Jetty*, goes on to explain in detail the materiality of
26 his earthwork down to the method of transporting materials, sourcing materials, the
27 colors, biology of the site, meaning of materials, etc. (Smithson, 1996).

28 29 30 **Site Specificity and Scale**

31
32 Site specificity and scale are foundational concepts that define the land art
33 movement. Site specificity is the theoretical concept that an artwork is inseparable
34 from its location; it is an integral component of the artwork (Hogue, 2004). Negrete
35 (2024) stresses the importance of site and scale for some land art projects. She uses
36 Robert Smithson’s *Spiral Jetty* in Great Salt Lake, Utah and Walter de Maria’s
37 *Lightning Field* in Quemado, New Mexico, as examples. She explains that the site’s
38 qualities were vast, isolated, and undiscovered, and that it lacked basic provisions
39 and services for the area when it was created. Negrete (2024) states that “the
40 remoteness and the unpopulated state of these places are as essential to the works’
41 full sensorial effect as their conservation” (p. 1431). Robert Smithson wanted to
42 expose the site, not impose on it (Smithson, 1996).

1 Landscape architecture discourse explores these notions of site specificity,
2 particularly in the design of Byxbee Park by George Hargreaves Associates. The
3 landscape architect's intention for approaching the site, a former landfill, was to
4 look at the generative capacity of the site to inform the landscape's representational
5 content, while simultaneously addressing its temporal nature (Corner, 2014).
6
7

8 **Time, Change and Entropy**

9

10 Entropy is defined as the inevitable movement from order to disorder. Robert
11 Smithson has researched entropy through his land art projects. Smithson displays
12 entropy as a central theoretical concept in his work. Spiral Jetty by Robert Smithson
13 is a key example of the intentional deployment of entropy in land art projects.
14 Smithson's Spiral Jetty is an exploration of environmental time, as he discusses in
15 an interview with Gregoire Muller in his collected writings. He mentions the
16 constant state of flux Spiral Jetty is in, describing how high water levels can
17 completely submerge it at times, and, conversely, how there can be so little water
18 that all one can see is huge formations of salt crystals on the surface (Smithson,
19 1996). Smithson (1996) goes on to state that he is "interested in collaborating with
20 entropy" (p.256).

21 The concept of time, change, and entropy has inspired James Corner to name a
22 chapter in Landscape Urbanism, "Terra Fluxus." Corner (1996) describes the city
23 and landscape in a constant state of flux, where one should embrace "open-
24 endedness over time" (p.10) and that "design practices that are contextual
25 responsive, temporal and open-ended, adaptive and flexible, and ecologically
26 strategic do not imply that formal, material precision is irrelevant" (p. 27). James
27 Corner talks about the importance of time in his planning process, which he calls
28 the "plotting" process, in which he considers time and its evolution as a step in his
29 design process. The steps he outlines are plotting the land, the ground that the site
30 is on. Next, he creates the plotting map or plan. Thirdly, he constructs a narrative or
31 time series as an unfolding plot. This frames the design process itself as an act that
32 unfolds over time and sets a future trajectory, rather than being a singular, static
33 creative work (Corner, 1996).
34
35

36 **The Lineage of Design Thinking**

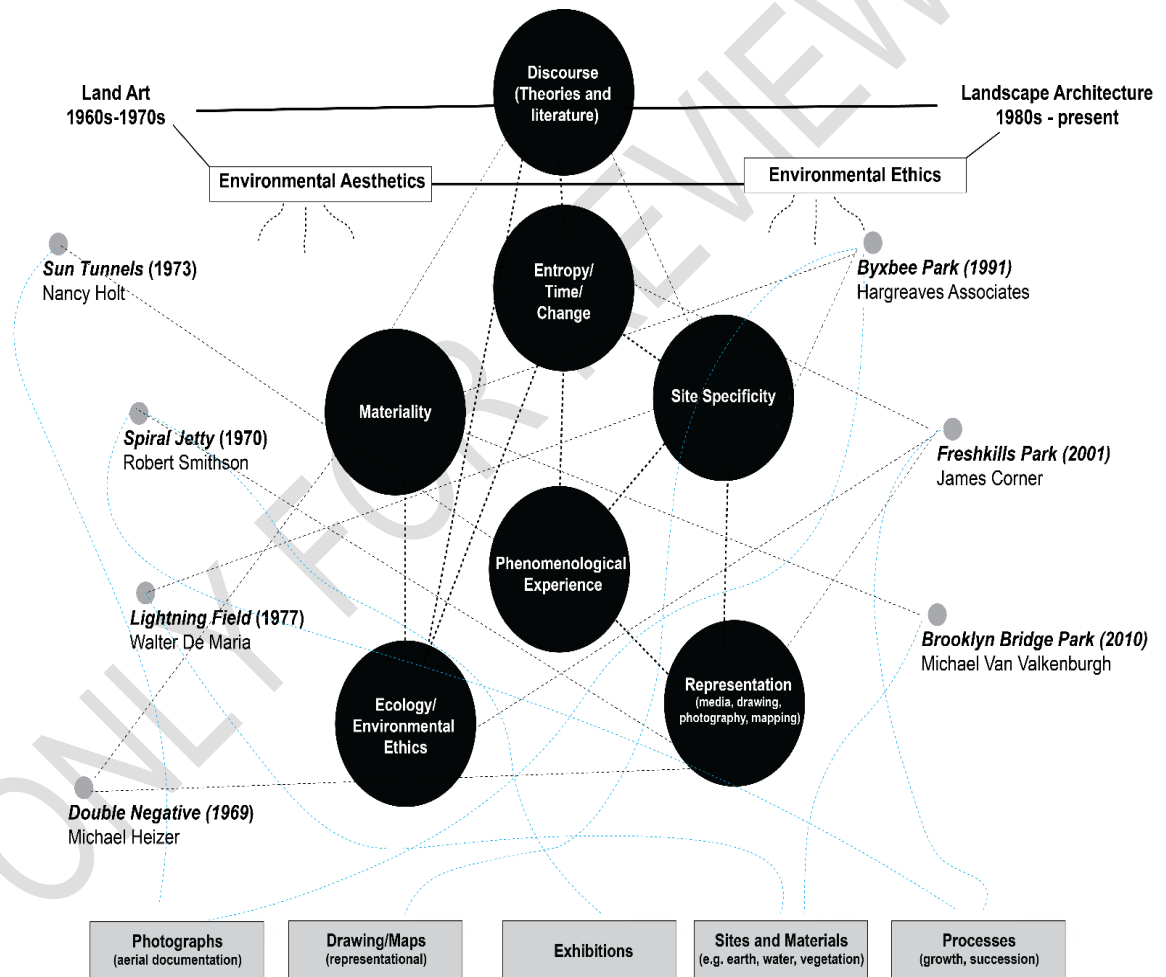
37

38 The lineage of design thinking from land art to contemporary landscape
39 architecture appears in the literature through themes of conceptual traits and
40 discourse citations. Baird (2010) claims that the impact of land art and
41 environmental artists on the profession of landscape architecture is evident,
42 influenced by the strong formal gestures on the land and the conceptual ideas and
43 writings of notable land artists such as Robert Smithson, Michael Heizer, Walter De

1 Maria, Nancy Holt, and others. Beardsley (1998) states that the works of George
 2 Hargreaves are associated with those of several environmental artists, such as
 3 Robert Smithson and Walter De Maria. The idea of presenting nature through art,
 4 as Robert Smithson did in Spiral Jetty, was referenced in Hargreave’s design for
 5 Guadalupe Riber in San Jose, California (Weilacher, 1996).

6 The land art movement provided a conceptual revitalization for the professional
 7 split between art and ecological science (Meyer, 2004). The influence was mainly
 8 conceptual, introducing a new design language that emphasizes materiality,
 9 transience of works and process-based, open-ended designs to bridge artistic
 10 expression and ecological values. See Figure 1.

11



12
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 16

Figure 1. A network diagram of actors (conceptual ideas, artists, landscape architects, theories, representational methods)

Source: First Author

1 This literature provides contextual literature relating to land art concepts,
 2 projects and contemporary landscape architecture discourse. Shared themes
 3 between land art and landscape architecture discourse emerge through the handling
 4 of entropy, materiality, conceptual narratives, and site specificity.

5 Understanding how concepts and ideas from land art have translated into
 6 contemporary landscape architecture involves understanding Latour’s theory of
 7 actor-network transmission. Latour (2005) states that “as soon as you notice that
 8 each site has to pay the connection with another site through some displacement,
 9 then the notion of form takes a very concrete and practical sense: a form is simply
 10 something which allows something else to be transported from one site to another”
 11 (p. 223). For example, the design, form and concept of a land art or landscape
 12 architecture project is not just an idea transmitted from an artist's mind onto the land;
 13 it is made possible by a network of attachments including historical and theoretical
 14 literature, discourse on environmental aesthetics and ethics, magazine articles,
 15 photographic documentation, competition design panels, etc.

16 Table 1 organizes key authors and summarizes the main argument within this
 17 literature review. The authors are ordered chronologically to illustrate the
 18 progression of arguments.
 19

20 **Table 1.** *Literature review table, highlighting key arguments*

Author	Theoretical Context	Key Argument
Beardsley (1998)	Art History	Identifies relationship between land artists and landscape architects, (e.g. Smithson →Hargreaves)
Meyer (2004)	Landscape Theory	Integration of art, ecology, and design.
Latour (2005)	Actor-Network Theory	Ideas circulate through a network of actors
Weilacher (2010)	Landscape Architecture/Art Theory	Artistic expression is tied to ethical responsibility. Shared concepts in land art and landscape architecture, but a separation in responsibility and practice.
Baird (2010)	Landscape Criticism	Contemporary Influence appears in formal and conceptual design approaches
Corner (2014)	Landscape Architecture Theory	Land art as a catalyst for expressive and ecological landscape thinking. Conceptual lineage influences landscape urbanism
Tietjen (2018)	Landscape Theory	Landscapes as relational systems in a network
Selanon (2019)	Academic Research	Overlap in form and styles between land art and landscape architecture
Defrančeski (2022)	Environmental Aesthetics	Land art and environmental aesthetics share a fundamental idea
Parsons & Carlson (2024)	Environmental Aesthetics	Aesthetic experience is tied to ecology and perception

21 Source: First Author

1 **Methodology**

2 **Overview**

3

4 The research methods used to answer the research question and meet the
5 objectives via a mixed method approach consisting of 2 parts: 1) a comparative case
6 study analysis, and 2) a questionnaire for contemporary landscape architects. This
7 research and subsequent analysis will be qualitative, exploring a lineage of ideas,
8 theories and landscape architects' responses.

9 The first method will be a series of case studies of land art and landscape
10 architecture projects to identify parallels in concepts and design approaches between
11 the two. The second method will be a questionnaire distributed to practicing
12 landscape architects. The objective of the questionnaire is to examine key
13 contemporary landscape architects' thoughts on design thinking and how land art is
14 perceived, referenced or embedded within professional practice.

ONLY FOR REVIEW

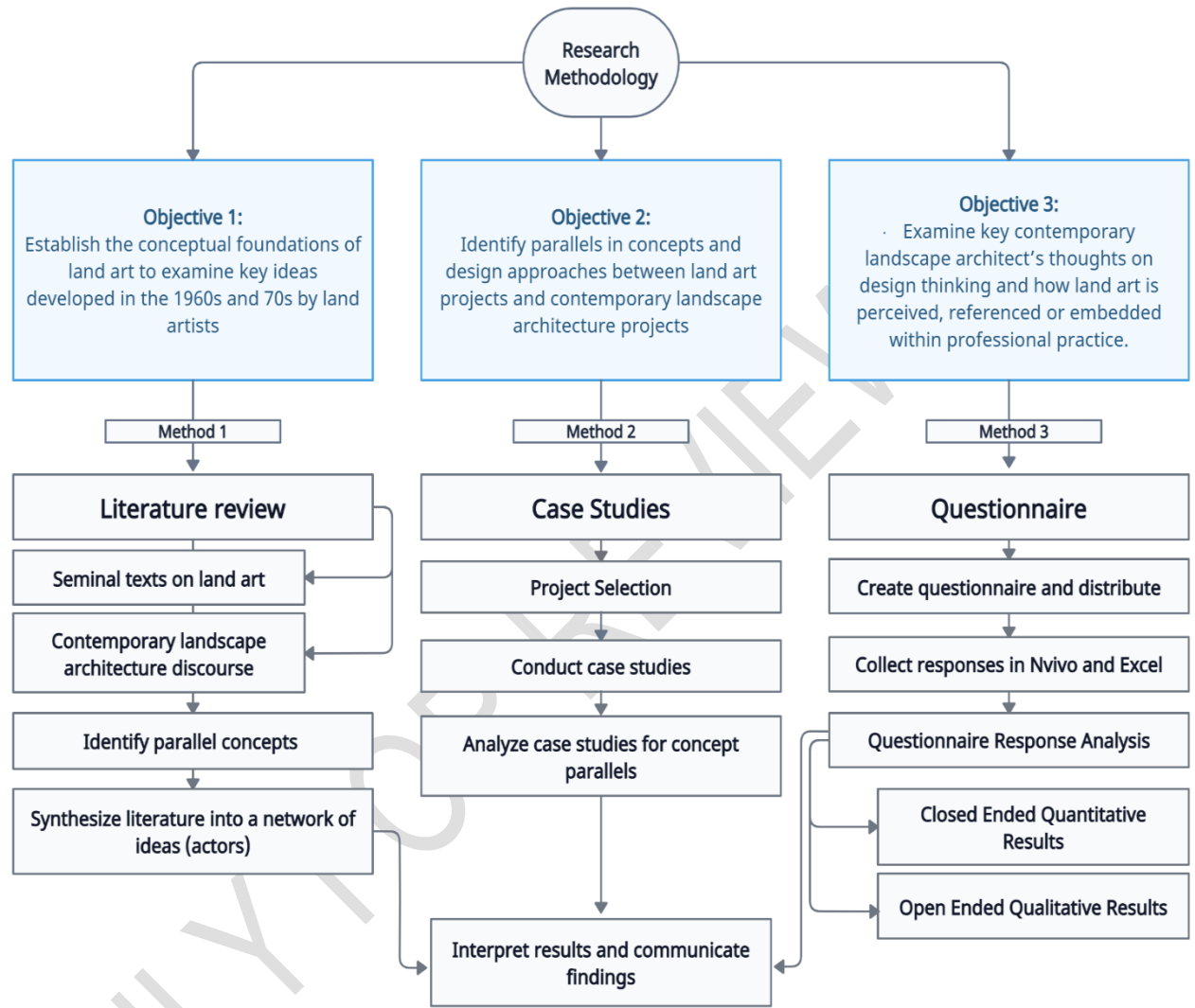


Figure 2. A flow chart summarizing the research methodology corresponding to objectives

Source: First Author

This flowchart outlines the development of research methodology, followed by the selection of appropriate research methods and workflow (Figure 2).

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1 **Case Study Method Overview**

2
3 The comparative case study method examines selected projects by
4 contemporary landscape architects alongside selected land art projects to identify
5 how similar design approaches and principles are expressed in current practice
6 through a network of design thinking.

7 Case Studies were evaluated based on site context, materiality, temporal
8 change, user experience and conceptual narrative. The case studies are then
9 evaluated through analytical comparison. 2 sets of projects (1 on land art and 1 on
10 contemporary landscape architecture) are arranged side by side to map how each
11 project exemplifies topics such as entropy, materiality, site specificity, and
12 experience. How these concepts have been translated over time between the 2
13 selected projects will be organized using a standard template, with representation,
14 systems translation, and built manifestation as categories of evaluation.

15
16
17 **Questionnaire Method Overview**

18
19 A questionnaire will gather personal accounts of design thinking in professional
20 practice from key landscape architects. The sampling will be 8 established landscape
21 architects or associates, whose work demonstrated conceptual resonance with land
22 art (e.g. working with large scale ecological installations, landforms, reclaimed
23 sites, or earth cutting/moving). The questionnaire consists of 7 Likert-scale
24 questions and 2 short open-ended questions. The interviews will be short, closed
25 and open ended, providing empirical data that suggests a lineage in design thinking.
26 The questionnaire was created in Qualtrics.

27 The questionnaire aims to assess whether practicing landscape architects hold
28 a positive, negative, or neutral position regarding land art as part of their design
29 thinking. The Likert scale questions gather information on: whether they reference
30 land art principles or precedents in their teaching or lectures, whether they consider
31 temporal changes in design, the impact of land art on their design thinking, etc. The
32 open-ended questions seek personal accounts of moments when a Land Art project
33 meaningfully influenced their approach to a site.

34 The questionnaire was sent to 8 contemporary landscape architects via email.
35 The selected landscape architects are widely recognized and noteworthy
36 contributors to the field.

37

1 **Analysis and Critical Reflection: Case Studies**

2

3 These case studies from the period of land art have been selected based on
4 popularity when searching for land art projects, a large number of writings and
5 photographs of the work, and the time frame of their completion. Significant and
6 accessible body of written and visual material already published on the project and
7 artists.

8

9 The case studies of projects by contemporary landscape architects have been
10 selected for their popularity and influence in the field of Landscape Architecture.
11 Criteria such as general recognizability, award winners, lecture talks, collected
12 writings, large community projects, environmental and restoration designs have
13 been considered.

14

15 These case studies are organized firstly by land art projects by notable land
16 artists Robert Smithson, Nancy Holt, Walter De Maria and Michael Heizer,
17 followed by 4 landscape architecture projects by James Corner, Michael Van
18 Valkenburgh, George Hargreaves, and Kathryn Gustafson. Each project was
19 analyzed for materiality, concept, site context, environmental considerations, social
20 and community engagement and aesthetic qualities. This criterion is used to map
21 connections between land art projects and landscape architecture projects.
22 Following the case studies will be a comparative analysis of 2 case study sets that
exemplify similar attributes and parallels.

22

Figure 3. Case Study 1- Robert Smithson- Spiral Jetty


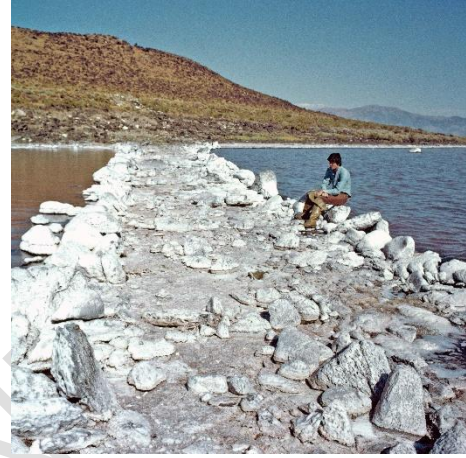
Robert Smithson – Spiral Jetty	Artist Profile	 <p>Robert Smithson's Spiral Jetty. (Source: Holt/Smithson Foundation, n.d.)</p>  <p>Robert Smithson sitting on Spiral Jetty. (Source: Holt/Smithson Foundation, n.d.)</p>	Characteristics
	Robert Smithson (1938-1973)		Material: Mud, precipitated salt crystals, rocks, water Concept: A testimony to the artist's fascination with entropy, time and scale
	Profession Artist/Land Artist		Site Context: Site-specific, barren and unpopulated site, at Utah's Great Salt Lake shoreline
	Project		Temporal Changes: Continuous change from nature, industry and time, the spiral would emerge or be submerged depending on water level fluctuations
	Location Great Salt Lake, Utah		User Experience: The experience is tied to change, meditation and perception. The work may look completely different at different times, making entropy visible.
	Size 457.2m L x 4.6m W		
	Type Land Art / Earth Work		
Date Completed 1970			

Figure 4. Case Study 2 - Nancy Holt- Sun Tunnels



Nancy Holt - Sun Tunnels	Artist Profile	 <p>Sun Tunnels. (Source: Holt/Smithson Foundation, n.d.)</p>  <p>Sun Tunnels at sunset. (Source: Holt/Smithson Foundation, n.d.)</p>	Characteristics
	Nancy Holt (1938-2014)		Material: Abandoned concrete drainpipes, steel, and earth.
	Profession Artist/Land Artist		Concept: An exploration in phenomenology, perception, and cosmic alignment. Tunnel sizing was inspired by four-star constellations (Dravo, Perseus, Columba and Capricorn) (Negrete, 2024).
	Project		Site Context: Barren and vast landscape in Utah. Centralized concrete pipes are used as sighting devices for mountains around the lake basin.
	Location Great Basin Desert, Utah		Temporal Changes: Tunnels are aligned with the angles of the rising and setting sun. On the days of the solstices, the sun becomes centered through the tunnels. Echo and temperature change inside the tunnels.
	Size Diagonal length: 26.2m		User Experience: To get close to the installation and witness the sun's alignment through the tunnels.
	Type Land Art / Earth Work		
Date 1973-1976			

Figure 5. Case Study 3- Walter de Maria- Lightning Field



Walter De Maria – Lightning Field	Artist Profile	 <p style="text-align: center;">Walter De Maria's Lightning Field. (Source: Dia Art Foundation, n.d.)</p>  <p style="text-align: center;">Lightning Field at night. (Source: Dia Art Foundation, n.d.)</p>	Characteristics
	Walter De Maria (1935-2013)		Material: Stainless steel poles (20ft tall and 2in diameter)
	Profession Artist/Land Artist		Concept: Celebrating natural phenomena and recognizing the power of lightning. 400 polished stainless steel poles installed in a grid formation.
	Project		Site Context: Flat, semi-dry basin surrounded by mountains, away from human population. The region has a relatively high incidence of lightning (Beardsley, 1998).
	Location Quemado, New Mexico		Temporal Changes: Visitors are encouraged to spend as much time as possible in the field to experience both sunrise and sunset on the poles, as their reflective qualities make them appear almost invisible or fully enhanced by the sun.
	Size 1.6km x 1km		User Experience: The work is meant to be visited for extended periods. Photography restriction in effect, Maria wanted to control the way the site was documented, as it was not supposed to be experienced in an instant moment.
	Type Land Art / Earth Work		
Date Completed 1977			

Figure 6. Case Study 4- Michael Heizer- Double Negative



Michael Heizer – Double Negative	<p>Artist Profile</p>		<p>Characteristics</p>
	<p>Michael Heizer (1944 – Present)</p>		<p>Material: Earth, rhyolite and sandstone and the removal of earth: 240,000 tons</p>
	<p>Profession Artist/Land Artist</p>	<p>Concept: A subtractive sculpture of 2 trenches defined by the negative space it creates. To test the physical limits of materials (O'Dell, 2022).</p>	
	<p>Project</p>	<p>Site Context: Harsh desert terrain, mesa ridges overlooking the valley</p>	
	<p>Location Moapa Valley, Overton, Nevada</p>	<p>Temporal Changes: Desert conditions have eroded the work so that it might return to its natural state.</p>	
	<p>Size 450m x 9m x 15m</p>	<p>User Experience: Monumental and expansive, must be experienced close up and in person.</p>	
	<p>Type Land Art / Earth Work</p>	<p>Michael Heizer's Double Negative. (Source: Gagosian Quarterly, 2024)</p>	
<p>Date Completed 1969</p>	<p>Aerial view of Double Negative. (Source: Google Earth)</p>		

Figure 7. Case Study 5 - James Corner- Freshkills Park




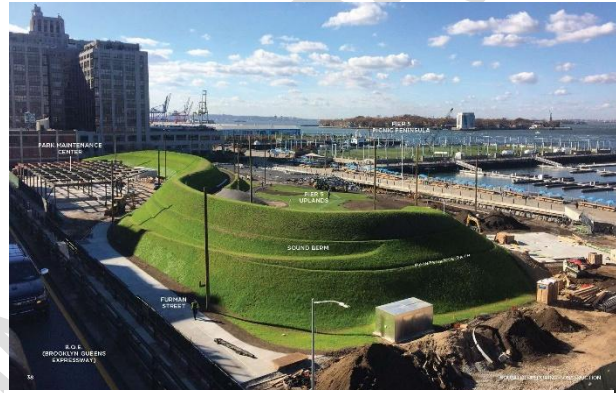
James Corner Field Operations – Freshkills Park	Artist Profile		Characteristics
	James Corner (1961 – Present)		Material: Highly engineered landfill caps
	Profession Landscape Architect		Concept: Transformation of an existing landfill (Fresh Kills Landfill) into a “Lifescape”, a design concept involving habitat, program and circulation (Hutchinson, 2017).
	Project		Site Context: The park sits on top of a historic landfill on Staten Island in New York.
	Location Staten Island, New York		Temporal Changes: Ecological Phasing over 30 years, allowing time for natural processes to occur and for the site to become richer in habitat, vegetation and recreation.
	Size 8.9km ²		User Experience: Highly programmed public park, with views of the New York City skyline.
	Type Urban Park		
Date 2001 - Ongoing	 <p>Freshkills Park east mound landfill capping. (Source: Socialink, 2010)</p>		


Figure 8. Case Study 6 - Michael Van Valkenburgh- Brooklyn Bridge Park

Michael Van Valkenburgh – Brooklyn Bridge Park	<p>Artist Profile</p>	 <p>Brooklyn Bridge Park, Piers 2-6. (Source: Michael Van Valkenburgh Associates Inc, n.d.)</p>  <p>Brooklyn Bridge Park sound berm. (Source: Michael Van Valkenburgh Associates Inc, n.d.)</p>	<p>Characteristics</p> <p>Material: Former marine terminal influences materiality: reclaimed granite, salvaged stones from, and yellow pine benches</p> <p>Concept: Earth moving to create new landforms supported on existing piers. The park preserves the historic value of the working port and harbor.</p> <p>Site Context: Located in New York City on a public waterfront and former marine terminal.</p> <p>Temporal Changes: Over 2 decades, the park has transformed from industrial infrastructure to an evolving marine habitat, with a functioning salt marsh and a variety of fish and birds, remaking parts of the prior natural landscape (Isabella Stewart Gardner Museum & Van Valkenburgh, 2015).</p>
	<p>Michael Van Valkenburgh (1951 – Present)</p>		
	<p>Profession Landscape Architect</p>		
	<p>Project</p>		
	<p>Location East River, New York City</p>		
	<p>Size 2.1km</p>		
<p>Type Public Waterfront Landscape</p>			
<p>Date Completed 2021</p>			

			<p>User Experience: Public space offering panoramic views, connecting users to the waterfront, and offering a place of retreat, using a built sound berm to lessen the noise of the city.</p>
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Figure 9. Case Study 7 - Hargreaves Associates- Byxbee Landfill Park

George Hargreaves &	<p>Artist Profile</p> <p>George Hargreaves (1952 – Present)</p>		<p>Characteristics</p> <p>Material: telephone poles, concrete, steel</p> <p>Concept: Designed as a land art-inspired, large-scale earthwork where sculptural elements (poles, oyster-shell paths, concrete barriers, methane flame) make the site's history and processes legible (City of Palo Alto, Public Art Master Plan, 2017).</p> <p>Site Context: The park sits on a remediated landfill site. Site design draws inspiration from the unique</p>
	<p>Profession</p> <p>Landscape Architect</p>		<p>Project</p> <p>Byxbee Park. (Source: Hargreaves Jones, 2020)</p>
	<p>Location</p> <p>Palo Alto, California</p>		

	<p>Size 0.2km²</p> <hr/> <p>Type Public Park</p> <hr/> <p>Date Completed 1991</p>	 <p>Byxbee Park pole field. (Source: Hargreaves Jones, 2020)</p>	<p>place characteristics: landfill, slough, marsh, wind and sky</p> <p>Temporal Changes: Hargreaves let nature manage many of the details, letting vegetation, people and water wash over the site over time (Beardsley, 1998).</p> <p>User Experience: a recreational park for walking, biking, and bird watching. Large scale art installations follow the topography of the site, offering expansive views of the bay</p>
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ONLY FOR REVIEW

Figure 10. Case Study 8 –Kathryn Gustafson- Princess Diana Memorial

Kathryn Gustafson – Princess Diana Memorial	Artist Profile	 <p>Aerial view of Princess Diana Memorial Fountain. (Source: Gustafson Porter + Bowman, n.d.)</p>  <p>Granite fountain at Princess Diana Memorial Park. (Source: Gustafson Porter + Bowman, n.d.)</p>	<p style="text-align: center;">Characteristics</p> <p>Material: Interlocking Cornish granite, water, hydraulics</p> <p>Concept: “Reaching out – letting in” to reflect Princess Diana’s inclusivity and openness. The fountain is an anti-monument design, intended for interaction, experience and play.</p> <p>Site Context: integration with the natural slopes of Hyde Park so that water can flow with gravity</p> <p>Temporal Changes: The site has undergone retrofits and restrictions due to safety issues and runoff water concerns.</p> <p>User Experience: Visitors are encouraged to draw close to the water and interact with the looping water course.</p>
	Kathryn Gustafson (1951 – Present)		
	Profession Landscape Architect		
	Project		
	Location London, UK		
	Size 5600m ²		
	Type Public Park		
Date Completed 2004			

Case Study Results

This section will use analytical comparison, across conceptual and visible traits, to identify an exchange and lineage of ideas present across different cases. This section will explore conceptual lineages as shared design logic over time, incorporating a comparison of use on entropy, experience, site specificity, and materiality. The following sections will discuss the concepts of entropy, experience, site specificity, and scale as they migrate from land art discourse into ecological design practices through shifting representations and design translations.

Entropy

Entropy changes meaning across time, media type and discipline. Robert Smithson's Spiral Jetty exhibits entropy by collaborating with decay and change rather than resisting it, with the spiral designed to be submerged, encrusted with salt, and seasonally emerge as lake levels fluctuate.

James Corner's Freshkills Park presents a phased ecological restoration and park development of a former landfill, using capping, soil-building, succession planting, and ongoing monitoring rather than a single finished moment. Freshkills Park was developed to work collaboratively with time and processes for habitat to evolve, plants to grow, and soil to build up, growing richer and more elaborate over a 30-year period (Hutchinson, 2017). Hogue (2004) notes that "Smithson's work was deeply influenced by a sense of time beyond recent occupations and narratives" (p. 59), and that projects such as Freshkills, with the capacity to adapt and transform over extended periods, were as important as the concept behind the project. (Hogue, 2004) Smithson's articulation and visualization of entropy facilitated a design language in which large, disturbed sites can be designed as an evolving time-based system rather than a static form.

Experience

A lineage of phenomenology and land art's concept of experience can be seen from Nancy Holt's Sun Tunnels, which originated as a cosmic alignment and a perceptual experience in the Utah desert, to Kathryn Gustafson's Princess Diana Memorial Park, a sensory and participatory public space in London, UK. Nancy Holt emphasized how experience and perception can alter one's relationship with the environment, using monumental scale to make the individual feel both contained and connected to the vastness of nature. Sun Tunnels exemplified experience as an alignment between body, site, and celestial events: four concrete cylinders orient the viewer to solstice sun and to star constellations drilled through their upper surfaces, so that light, shadow, temperature and sound become primary materials for perception (Negrete, 2024).

Kathryn Gustafson exemplified experience through her concept of “reaching out, letting in”, by channeling human interaction and emotion. The oval-shaped park fountain, made of Cornish granite and following the park’s rolling topography, is intended to draw people in and encourage visitors to walk along, within and around the fountain (Gustafson, Porter + Bowman, n.d.). These 2 projects highlight a shared concern with how form, light, water, and ground organize embodied experience, mapping a conceptual resonance between Holt’s cosmic phenomenology in the desert and Gustafson’s urban memorial landscape.

Site-specificity

The concept of site specificity travels from land art to landscape architecture through integration and interventions on the land. Walter De Maria’s *Lightning Field* exemplified this concept, where his grid of stainless-steel poles is inseparable from site conditions like weather and topography, as De Maria states: “The land is not the setting for the work but a part of the work” (De Maria, 1980). This land art project treats the site as part of the project (Hogue, 2004).

This idea undergoes a design translation, evolving to a point where the site is seen as a prospect for intervention (Hogue, 2004). The built manifestation can be seen through Hargreaves Associates’ *Byxbee Park*, a former landfill remediation project in California, featuring a trail network and public art installations. Rather than just occupying a site, the park actively reshapes the landscape by sculpting 60-foot garbage mounds into a series of pleasing hillocks, swales and paths (SS & DL, 1993). By creatively designing from the site’s geology, history, and constraints, *Byxbee Park* becomes a place for infrastructure, ecology, and public art, exemplifying the concept of site into the concept of project.

Materiality

Materiality has been translated by land artists and landscape architects, from a monumental subtractive earth void to a highly programmed and restorative urban park. Michael Heizer’s *Double Negative* highlighted material as the main event of the work, a displacement of the material in which the work exists. Heizer moved 240,000 tons of earth and rock to create 20-ft-deep trenches in the Nevada desert. The concept of moving earth is translated to the reuse and addition of materials in Van Valkenburgh’s *Brooklyn Bridge Park*. The park’s constructed landforms required 90,000 cubic yards of salvaged fill material to create the sound berm topography (*Brooklyn Bridge Park: Pier 1 & Pier 3-4 Uplands*, 2024).

Material reuse from New York City infrastructure is a main objective of this design, with reclaimed granite, milled long-leaf yellow pine, and timber creating a unique identity that connects the site to its industrial past (Michael Van

Valkenburgh Associates Inc, n.d.). This land art concept of materiality stages the earth as a powerful medium, and it is translated across disciplines, whether additive or subtractive.

Questionnaire Results

This section presents the findings from the questionnaire circulated to landscape architects to understand how they position land art within their design thinking. The questionnaire results were received at a 50% response rate, from 4 of 8 landscape architects. Rather than treating land art as a direct influence, this section examines how respondents reference land art concepts, projects, and artists in their discourse, and how these references may have been operationalized in design practice. The Likert scale data reveals that respondents are broadly familiar with land art works, with 75% strongly agreeing that they have read about or seen 1960s-70s land art projects, indicating exposure within the profession. Question data regarding whether land art principles or precedents are referenced during the conceptual design phase of a project (25% somewhat agree and 25% strongly agree), illustrating that land art concepts are present but are often implicit rather than clearly expressed in design planning. Similarly, half of the respondents reported using land art precedents in teaching or presentations, indicating that the discourse surrounding land art is present and transmitted in academic and professional contexts. Regarding the perceived impact of land art on design thinking, respondents were evenly split, pointing to a somewhat ambivalent recognition of land art ideas as a factor in professional practice. Finally, half of the respondents agree that land art principles are relevant to the design of community-based public spaces, while the other half remained neutral. This highlights a partial but growing acceptance of land art concepts in the planning of public space projects.

To answer the research question and classify responses, responses were categorized as either suggesting land art as an actor (i.e., having some influence on their design thinking) or not. Open-ended responses from the questionnaire illustrate how conceptual ideas of land art have reached landscape architects. Respondents replied with direct citations of key land artworks, such as *Lightning Field* by Walter De Maria, *Spiral Jetty* by Robert Smithson, or *Double Negative* by Michael Heizer; early exposure through magazines; or passing references to other landscape architects.

Several respondents referenced specific land art projects and writings as shaping their conceptual design thinking. One respondent noted Heizer's *Double Negative* for "the potential of earthwork to transform even the most monumental of sites with legible intention with the power of removal vs. material addition," and "Smithson's *Site/Nonsite* for using displacement of site materials to reconceptualize landscape." Another described avidly reading *Artforum* in the 1970s and being influenced by both the earthworks documented there and the theoretical writing around them.

One Respondent drew on land art to articulate specific representational and conceptual strategies. One framed De Maria's Lightning Field as "a grid waiting for phenomena to complete it," emphasizing intentional arrangement as a means of inviting ongoing processes rather than a fixed, final form.

For several respondents, land art is communicated less as a direct reference and more as something already absorbed into the work of key landscape architects. One respondent replied that "land art came to influence the work of George Hargreaves and Hargreaves Associates directly, who then transformed this art mode into social and ecological landscapes". Another respondent identified Kathryn Gustafson and Herbert Bayer's earthwork-like project in Kent as formative, while questioning whether landscape architecture itself should be considered a form of land art.

These responses describe an indirect lineage in which land art concepts are translated into practice through prominent landscape architects and projects.

Not all respondents identified land art as a strong influence in their design thinking or practice. This pushes the argument that there is an ambivalence about whether land art concepts have made their way into contemporary landscape architecture design thinking. Question 2 of the questionnaire (*Can you describe a moment in your career when a land art project or artist meaningfully influenced how you approached a site? What ideas came forward?*) received a response that "no, unless we include landscape architecture/design as land art...I don't recall being influenced by it in my work (consciously)". The questionnaire reveals both positive references to land art and a lack of references in landscape architecture practice, suggesting an indirect influence and ambivalence about a connection between land art and landscape architecture.

Conclusion

This thesis argues that an indirect design lineage connects the foundational concepts of land art from the 1960s-70s to contemporary landscape architecture practice. The research developed a set of concepts, such as entropy, materiality, site-specificity, and phenomenology, that have been absorbed into landscape architecture practice through a circulating network of ideas. Not necessarily a direct linear influence from one time period to another, but a lineage of conceptual ideas. This study found that the communication of concepts occurs through these actors: theoretical discourse and literature, representation and documentation (e.g., photography, film, media), and design practice (e.g., built manifestations).

By using a mixed-method approach that combined comparative case studies with a questionnaire sent to noteworthy landscape architects, this research established conceptual parallels between the design thinking of land artists and landscape architects. The questionnaire revealed that influence manifests through direct citations of land artists or projects, or through indirect integration in practice.

Comparative case studies connected Robert Smithson's Spiral Jetty with James Corner's Freshkills Park through shared concepts of entropy, as exhibited in the acceptance and celebration of time, change, and process in their work. Michael Heizer's Double Negative parallels Michael Van Valkenburgh's Brooklyn Bridge Park in terms of material strategies of addition and subtraction on massive scales. Nancy Holt's Sun Tunnels and Kathryn Gustafson's Princess Diana Memorial Fountain share a phenomenological approach to experience. What started with cosmic alignment and perception for Nancy Holt was translated by Kathryn Gustafson into an engagement of the body in time and place for a sensory experience. The site-specific designs of Walter De Maria's Lightning Field and Hargreaves Associates' Byxbee Park exhibited parallels in form and concept. Lightning Field's location is highly specific to the design intent, and Byxbee Park sought to highlight the site's natural processes, working with them rather than against them.

Limitations

This research was shaped by several limitations, including the challenge of selecting from numerous projects for comparison, the difficulty of avoiding broad generalizations given limited empirical data, and time constraints. The questionnaire achieved a 50% response rate, which also constrained how widely the findings could be interpreted. In addition to these limitations, the research question had to be refined from its original version, as it initially investigated land art concepts through a more linear model of concept translation, which was limiting for critical analysis. As the literature review developed, it became clear that the relationship was not best understood as a linear concept translation but as a network of concepts moving through discourse, projects and design practices. The questionnaire ultimately reinforced this shift in the research question, showing a mixed and indirect incorporation of land art principles in contemporary design practices.

Synthesizing Art and Landscape Architecture in Practice

The importance of this research for future landscape architecture practice lies in recognizing that an indirect transmission of land art concepts into a field like landscape architecture, which is constrained by regulatory frameworks, can provide insight into how to respond creatively and experimentally to complex ecological sites. By moving beyond simple collaboration and integrating more artistic thinking and interdisciplinary work with artists into practice, landscape architects can achieve more experimental ecological designs. Adopting land art concepts outlined in this thesis, designers can create adaptive ecological designs that don't work against nature, spaces that phenomenologically connect people to the landscape, and site-specific designs that give meaning to and engage the site's surroundings. Land art and landscape architecture may be categorically

different disciplines, but they share this in common: “Both environmental sculpture and landscape architecture can help us decode our multiple, often conflicting attitudes toward nature, reviving old myths when appropriate and shaping new paradigms when necessary.” (Beardsley, 1998).

This research can also be tested by considering how landscape architecture can be treated as an active and meaningful part of architectural work, rather than as a residual space around a building. This research has broader significance for landscape architecture, especially in its emphasis on shifting perceptions of what landscape architecture can be through site-specific interventions, experimental ecological design, and the making of invisible environmental processes visible. In this context, geospatial analysis is a useful tool for better understanding ecological patterns, site relationships, and environmental conditions, helping to synthesize landscape architecture values with architectural objectives within a more integrated design environment. This would support more site-specific and sustainable projects, giving the surrounding landscape greater cultural and design significance in relation to the building itself.

References

- Allen, C. D. (2011). On Actor-Network Theory and landscape. *Area*, 43(3), 274–280. <https://doi.org/10.1111/j.1475-4762.2011.01026.x>
- Baird, T. (Ed.). (2010). Environmental art as sustainable design: Mill Creek Canyon earthworks and effigy tumuli sculptures. In *Landscape Imprints* (Second Edition).
- Barbara Goldstein Associates, Gail M. Goldman Associates, & City of Palo Alto Staff. (2016). *City of Palo Alto: Public Art Master Plan*. <https://www.paloalto.gov/files/assets/public/v/1/community-services/public-art-program/pap-policies-and-docs/public-art-master-plan.pdf>
- Bartlett, L., & Vavrus, F. (2017). Comparative case studies: an innovative approach. *Nordic Journal of Comparative and International Education (NJCIE)*, 1(1). <https://doi.org/10.7577/njcie.1929>
- Beardsley, J. (2006). *Earthworks and beyond: Contemporary Art in the Landscape*. Abbeville Publishing Group.
- Boettger, S. (2002). *Earthworks: Art and the Landscape of the Sixties*. Univ of California Press.
- Brady, E., & Prior, J. (2020). Environmental aesthetics: A synthetic review. *People and Nature*, 2(2), 254–266. <https://doi.org/10.1002/pan3.10089>
- Brooklyn Bridge Park: Pier 1 & Pier 3-4 Uplands*. (2024, December 13). Landscape Performance Series. <https://www.landscapeperformance.org/case-study-briefs/brooklyn-bridge-park-pier-1-pier-3-4-uplands>
- Corner, J. (2006). Terra Fluxus. In C. Waldheim (Ed.), *The Landscape Urbanism Reader* (pp. 21–33). Princeton Architectural Press.
- Corner, J. (2014). *The Landscape Imagination: Collected Essays of James Corner 1990-2010*. Princeton Architectural Press.
- Culbert, J. (2020). Negative ecology: Robert Smithson’s spiral jetty at 50. *Postmodern Culture*, 30(3). <https://doi.org/10.1353/pmc.2020.0011>
- De Maria, W. (1980). The Lightning Field. *Artforum*, 18(8), 58.
- Defrañčeski, J. (2022). Environmental aesthetics and land art. *Pannoniana*, 6(1), 9–34. <https://doi.org/10.32903/p.6.1.1>

- Dia Art Foundation. (n.d.). *Dia Art Foundation*. <https://www.diaart.org/visit/visit-our-locations-sites/walter-de-maria-the-lightning-field>
- Diana, Princess of Wales Memorial*. (n.d.). Gustafson Porter + Bowman. <https://www.gpb.com/diana-princess-of-wales-memorial>
- Diana, Princess of Wales Memorial Fountain – The Landscape Institute*. (n.d.). https://landscapeinstitute.org/case-study/diana_princess_of_wales_memorial_fountain/
- Field Operations. (2006). *FreshKills Park: Draft Master Plan*.
- Francis, M. & Landscape Architecture Foundation. (1999). A case study method for landscape architecture. In *A Case Study Method for Landscape Architecture* (p. 2). Landscape Architecture Foundation. <https://www.lafoundation.org/sites/default/files/2019-01/casestudymethod.pdf>
- George Hargreaves (1952-)*. (n.d.). Landscape Architect + Designer Profiles. <https://ladprofile.weebly.com/george-hargreaves-1952.html>
- Hargreaves Jones. (2020, November 24). *Byxbee Park | Hargreaves Jones*. <https://www.hargreaves.com/work/byxbee-park>
- Hargreaves Jones. (2022, October 8). *George Hargreaves | Hargreaves Jones*. <https://www.hargreaves.com/people/george-hargreaves>
- Harold Town*. (n.d.). Art Canada Institute. <https://www.aci-iac.ca/art-books/harold-town/biography/>
- Harold Town Conservation Area | Otonabee Conservation*. (n.d.). Otonabee Conservation. <https://www.otonabeeconservation.com/conservation-areas/harold-town-conservation-area/>
- Harvard University Graduate School of Design. (2026, April 13). *Chris Reed - Harvard Graduate School of Design*. Harvard Graduate School of Design. <https://www.gsd.harvard.edu/person/chris-reed/>
- Hewitt, R. R. (Ed.). (2010). CELA 2003 SELECT PAPERS. In *Landscape Imprints* (Second Edition).
- Hogue, M. (2004). The Site as Project: Lessons from Land art and Conceptual art. *Journal of Architectural Education*, 57(3), 54–61. <https://www.jstor.org/stable/1425781>
- Hutchinson, P. (2017). Exploring the Connection between Landscape and Biopolitics: The Story of Freshkills Park. *SHILAP Revista De Lepidopterología*, 17(1). <https://doi.org/10.34900/ir.v17i1.1011>
- Hutton, J. (2013). Reciprocal landscapes: material portraits in New York City and elsewhere. *Journal of Landscape Architecture*, 8(1), 40–47. <https://doi.org/10.1080/18626033.2013.798922>
- Isabella Stewart Gardner Museum, & Van Valkenburgh, M. (2015, September 22). *Landscape Lectures: Michael van Valkenburgh* [Video]. YouTube. <https://www.youtube.com/watch?v=KAaWGYh7QP8>
- James Corner, FASLA, PLA — Field Operations*. (n.d.). Field Operations. <https://www.fieldoperations.net/studio/people/james-corner-fasla-pla>
- Kindzierski, M. (2015, February 16). *World's largest landfill will soon be NYC's biggest solar plant — KINDO*. KINDO. <https://www.kindostudios.com/blog/2015/1/19/worlds-largest-landfill-will-soon-be-nycs-biggest-solar-plant>
- Latour, B. (2005). *Reassembling the Social: An Introduction to Actor-Network-Theory*. Oxford University Press.
- Meyer, E. K. (2008). Sustaining beauty. The performance of appearance. *Journal of Landscape Architecture*, 3(1), 6–23. <https://doi.org/10.1080/18626033.2008.9723392>
- Michael Heizer: Seventeen Sculptures | Gagosian Quarterly*. (2024, December 17). Gagosian. <https://gagosian.com/quarterly/2024/11/04/michael-heizer-seventeen-sculptures/>
- Michael van Valkenburgh Associates Inc.* (n.d.). Michael Van Valkenburgh. <https://www.mvvainc.com/who-we-are/michael-van-valkenburgh-new>

- Michael van Valkenburgh Associates Inc.* (n.d.). Brooklyn Bridge Park. <https://www.mvvainc.com/projects/brooklyn-bridge-park>
- Negrete, F. (2024). Through Sun Tunnels: radical subjectivity and the radiant drive. *Textual Practice*, 38(9), 1428–1452. <https://doi.org/10.1080/0950236x.2024.2379180>
- North Park - completed in 2023 and now open - Freshkills Park.* (2024, October 21). Freshkills Park. <https://freshkillspark.org/design-construction/north-park-phase-1#images-1>
- Owens, C. (1979). Earthwords. *October 10*, 120. <https://doi.org/10.2307/778632>
- Parsons, G. (2024). Environmental aesthetics. In *The Stanford Encyclopedia of Philosophy*. <https://plato.stanford.edu/archives/fall2024/entries/environmental-aesthetics/>
- Parsons, G., Hettinger, N., & Shapshay, S. (2025). *Routledge Handbook of Nature and Environmental Aesthetics*. <https://doi.org/10.4324/9781003302223>
- reSITE, & Gustafson, K. (2017, October 31). *Kathryn Gustafson on the Art of Landscape Architecture* [Video]. YouTube. <https://www.youtube.com/watch?v=jdM9GVHWmfU>
- Rieple, A., & Van Den Broek, A. (2017). *Using actor-network theory to reveal strategy processes in design firms* (Issue 1, pp. 1373–1390). <https://doi.org/10.33114/adim.2017.132>
- Roberto Rovira.* (n.d.). Roberto Rovira. <https://www.robtorovira.com/>
- Rovira, Roberto.* (n.d.). <https://discovery.fiu.edu/display/person-roviraroberto-j>
- Selanon, P., Srilertchaipanij, H., & Saleh-Bala, M. (2019). Article Review: The 18th Century Aesthetics and Their Associations with Landscape Architecture and Environmental Art. *Journal of Architectural/Planning Research and Studies (JARS)*, 16(1), 1–14. <https://doi.org/10.56261/jars.v16i1.182957>
- Shannon Nichol — GGN.* (n.d.). GGN. <https://www.ggnltd.com/shannon-nichol>
- Shapiro, G. (2019). *Spiral Jetty*. *Holt/Smithson Foundation: Scholarly Texts, 1*. <https://holtsmithsonfoundation.org/spiral-jetty>
- Smithson, R. (1996). *Robert Smithson: The Collected Writings*. Univ of California Press.
- Socialink. (2010, November 10). *Construction details on East Mound landfill capping - Freshkills Park*. Freshkills Park. <https://freshkillspark.org/blog/construction-details-on-east-mound-landfill-capping>
- SS, & DL. (1993). Byxbee Park. *Landscape Architecture*, 83(11), 52–53. <http://www.jstor.org/stable/44680671>
- Team — Stoss.* (n.d.). STOSS LANDSCAPE URBANISM. <https://www.stoss.net/studio/team>
- Terrain Work - Theodore Hoerr.* (n.d.). Terrain Work. <https://www.terrainwork.com/theodore-hoerr>
- Tietjen, A. (2018). Found in translation: Working with Actor-Network Theory in Design education. *Nordic Journal of Architectural Research*, 30(1). <https://arkitekturforskning.net/na/issue/view/108>
- Waldheim, C. (2006). *The Landscape Urbanism Reader*. Princeton Architectural Press.
- Weilacher, U. (1996). *Between landscape architecture and land art*. Princeton Architectural Press.
- Weilacher, U. (2010). New landscape after land art. In *Paesaggi fatti ad arte* (pp. 121–128).
- Yin, R. K. (2018). *Case study research and applications: Design and Methods*. SAGE Publications.