



This document and space are a work-in-progress. Throughout the duration of *Breach*, its content and catalog will be workshopped, whether in person or in the margins and blank spaces of this text. We invite you to participate in the conversation by reaching out, or by leaving your thoughts, comments, and edits.

80WSE_007



The emblem of the United States Army Corps of Engineers (USACE) has long been a turreted medieval castle with three towers.¹ *Breach* examines the USACE as an environmental design agency. However, this castle, a military architecture undoubtedly tied to defense, asks us to reconsider the making of “environment” as something allied with the making of war. In the context of New York City, this castle might remind you of Castles Clinton and William in the New York Harbor, the latter designed by a USACE engineer and for whom the fort is named. Both castles were considered new architectural models for defense against the human threats sailing on a dangerous 19th-century sea.

Today, both the USACE’s relation to the Department of Defense and its defense architectures are more clandestine and less conspicuous: they usually materialize in instruments and infrastructures that slip out of view, receding into mere background despite conditioning, articulating, and sustaining our lives (and deaths). In the aftermath of Hurricane Sandy in 2012, for example, the Corps initiated new studies and plans to protect the City from future storm surges.² The construction of “breakwaters and seawalls” as well as “levees and floodwalls” comprised the bulk of the Corps’ projected budgets and tentative plans.³ In the uneven wake of climate catastrophe, these silver-bullet walls, sand-filled bastions, and gabion barriers are weaponized, claiming to protect us against the non-human threats of a 21st-century sea.

¹ On the Corps Castle, see USACE, *History of the US Army, Corps of Engineers*, 1986, pg. 114, https://archive.org/details/historyofusarmyc00wash_0/page/114/mode/2up.

² US Army Corps of Engineers, New York State Department of Environmental Conservation, NYS Department of the State, NYC Mayor’s of Climate & Environmental Justice, *New York-New Jersey Harbor and Tributaries Coastal Storm Risk Management Feasibility Study*, Draft Integrated Feasibility Report and Tier 1 Environmental Impact Statement, New York (September 2022). See, for example, 80WSE_342 in this exhibition.

³ *Ibid.*

Although this architecture is ordinarily less grand, and has been alternatively conceptualized, contemporary practices of building “ecological resilience” all lure us, still, to the swelling waters of a warmer and wetter world.⁴ By the midcentury, the USACE had already identified this “enemy.” In a paper titled “Land Against Sea,” published some 50 years ago, the organization claimed:

“Our campaign against the encroachment of the sea must be waged with the same care that we would against any other enemy threatening our boundaries.”⁵

For the USACE, *terra firma* would and could not be annexed by fluid, oceanic powers.⁶ Now, this “campaign against the encroachment of the sea” is a total war waged against an enemy attack from everywhere—from the land, air, and sea—that is, the environment. In defense, the status quo leans on an array of techniques borrowed from design and scientific disciplines, which spatially and representationally model and map the exposure, vulnerability, and risk seemingly attributed, neutrally and inherently (*naturally*), to erosion, sand, wind, water, and weather.

As the Corps attempts to protect US inhabitants and their property against non-human threats today, we might linger in its infrastructures amid a wet attack. Saturated in these waters, *Breach* attempts to suspend yet also anchor the USACE’s taxonomies of “environment.” At its center is an anthropomorphic reconstruction—a carefully-crafted scaffold of watery environments erected as a design prop for the human (technician). A castle, an infrastructure, surface, barrier, and system on which to bear both catastrophe and pleasure in the 21st century, this synthetically natural armature is our survival. The threat is its



end. This is both the ecological cost and optimism of our living...

...can it be breached?

The content of this exhibition draws from an online repository of digitized material by and about the United States Army Corps of Engineers.⁷ Alongside the USACE, access to this “digital library” is produced and maintained by OCLC.⁸ As a gesture to the larger bureaucratic and administrative knowledge worlds at work here, when available, we have included an OCLC number in our own indexing. As self-proclaimed “counter-bureaucrats” or “counter-technicians” administering and curating this knowledge, Workshop for Environmental Technik (WET) embodies work-in-progress rather than a finished product. What is exhibited in the gallery and on these pages records the ongoing work of workshopping—researching, studying, discussing, and developing alternative reorganizations of—“environmental techniques”: a relational ground of ecological agents, subjects, and objects bounded by institutional procedures, dividing processes, and technological measures and counter-measures.

In this method, the power of the sovereign human subject shifts to things and bodies themselves and the agency invested in their environmental mediums.⁹ Here, the environment is not a scientific fact but rather a discursive condition made and unmade by scalable practices and reproducible rules (like the Greek *technē*)

⁷ To access this material, see: <https://usace.contentdm.oclc.org/>.

⁸ USACE materials are uploaded into the “CONTENTdm® Digital Collection Management System,” owned and maintained by OCLC, previously named the “Ohio College Library Center,” and later the “Online Computer Library Center.” The same organization produces and maintains WorldCat as well as the Dewey Decimal Classification system.

⁹ Among other thinkers like Bernhard Siegert, we are borrowing from and leaning on Cornelia Vismann’s work on “cultural techniques.” See “Cultural Techniques and Sovereignty,” *Theory, Culture & Society* 30(6): 83-93.

⁴ See, for example, “Oyster-ecture,” SCAPE, <https://www.scapestudio.com/projects/oyster-ecture>.

⁵ US Army, Coastal Engineering Research Center, *Land Against the Sea*, Miscellaneous Paper No. 4-64, US Army, Corps of Engineers, Washington, DC: May 1964, 43.

⁶ We are referencing Carl Schmitt, *The Nomos of the Earth in the International Law of Jus Publicum Europaeum*, trans. G. L. Ulmen (New York: Telos Press Publishing, 2006).

that mark and draw the permissible limits of a particular mode of environmental praxis. In short, this approach troubles the certitude and certainty of the USACE's embodiment as a techno-scientific and (lest we forget) "American" arbiter of environmental management. The concept of "environmental technique" reconsiders the ecological lives and afterlives the USACE attempts to contain within the environment: the immersive substance through which contemporary promises of "Life, Liberty, and [the pursuit of] Happiness" flow.¹⁰

As a national, military, and civilian organ, the USACE has been a source of federal funding and a means to distribute and organize capital through construction and labor, including so-called "water resources development" — the expansive focus of this exhibition.¹¹ The USACE is primarily known for its water-related works. Its reputation as "keeper" of the United States's waterways is historic, and this long engagement with river and harbor projects has allowed the Corps to absorb various civil and public works projects and activities along new liquid frontiers.¹² This patriotic machinery of rule comprises a design language or planning logic built into state bureaucratic structures, a spatial and material organization of control and management exceeding the boundaries of the United States. Tied to the contemporary



nation-state precisely in this way, the Corps has built the thoroughfares of economy and empire transmitting US power; and by design, it has been complicit in its conduits of imperial expansion in the world system. But from the air to the sea, and the liminal spaces in between, the USACE's blueprints, models, and maps have also designed something more elemental: a cipher for the environmental designs of Empire.¹³ *Breach* workshops this ecology of techniques.

For example: printed among the first sheets of a 500-plus-page manual on shore protection is a three-circle Venn diagram; it shows an "ecology" summarized by a caption that tells us it is an "art and science," within which, structures, sand, and water are "made useful to man."¹⁴ Immersed somewhere in the overlapping lines of that "ecology" is *another* life. On the printed page, however, that ecology only appears in lines charting an empty white space of bodies, energy, movement, waves, and weather. On the screen, that ecology is dissolved into pixelated, spatial and temporal frames of severe and extreme weather in real life and modeled (e.g., before, protection, and after, recovery, images); or an arc of more-perfect vessels, photographed like headshots. The design function of the USACE, its engrained paradigm of functionalism, only reveals itself through the technical prowess of Man. The empty spaces of an absent ecology are drawn with a surfeit of thick yet synthetic agents,

¹⁰ This is a reference to and a critique of the US Declaration of Independence: "We hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness."

¹¹ See, for example, the USACE's "Water Resources Development" reports from 1981, 80WSE_251-289 in this exhibition. These records witness the USACE administration of the United States's various Water Resources Development Acts, public laws enacted by Congress to manage "water resources," including protected areas, infrastructures, navigation areas, flood protection, hydrology, and more.

¹² "Keeper" as in a castle keep. On the Corps' role in US waterway development, see, for example, Todd Shallat, "Prologue: A Nation Builder" in *Structures in the Stream: Water, Science, and the Rise of the U.S. Army Corps of Engineers* (Austin: University of Texas Press, 1994).

¹³ See, for example, the USACE's "Vietnam Briefing" slide collection, a visual record of the organization's participation in global warfare, particularly in Southeast Asia (Vietnam) and East Asian (Korea). *Breach* reproduces some of this material, alongside USACE involvement in unincorporated US territories such as Puerto Rico and the Virgin Islands, where its subjects are stripped of the privileges and benefits of full citizenship.

¹⁴ US Army Corps of Engineers, Coastal Engineering Research Center, *Shore Protection Manual*, Volume I, Fort Belvoir, Virginia (1977). See "Preface."

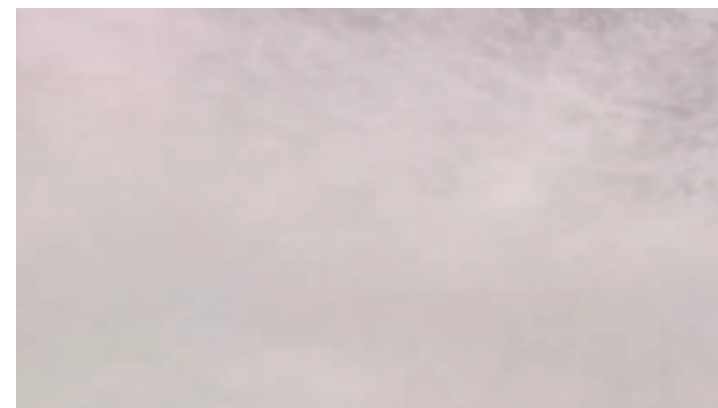
propelling us towards both a hypothetical storm and the actual storm of climate catastrophe.

Environmental practices, emerging from systems thinking, understand the “environment” as an ecology: it is an open system, malleable and dynamic, within which exchanges of energy and matter flow between a body and its surroundings. As a design agency, the USACE is tasked with determining and designing conditions for equilibrium; and in doing so, this ecology is mediated by the edges of that desirably permanent condition. This permutation of human and non-human bodies works in synergy so long as both collectively perform a useful function for the latter. But even when an open system is said to be equalized in a “stable” state of inputs and outputs, there is always a remainder, always an excess: life escapes beyond or remains in non-relation to the trembly-edged limits human technicity draws to comport the dynamics of a systems model in seeming harmony with natural forces.

This exhibition is ordered by an index (80WSE_###) that enumerates the items extracted from the USACE’s digital archive. This arbitrary organization is a record of our counter-bureaucratic work, but it also holds open the (shop)space of systematically reworking environmental techniques. Most are mutually dependent; they may be one *and* the other or another. For example, “Beach” and “Erosion” co-constitute “Dredge” and “Navigation,” and oftentimes in the same setting. The collective, ongoing work of WET encourages you to study and examine—to recognize and acknowledge—what or who escapes or exceeds the neat frames of its scaffolded, plastic-protected folders and the loop of its high-definition screens.

Breach.

80WSE_050



What exists here and before you is dry material absent a WET life. To counter it, we rework the environmental techniques between natural and built worlds shaping this production at flood tide. As counter-bureaucrats and technicians at this interface, we breach dry land, salvaging a persistent and enduring life, even in the wake.

Index OCLC # State

80WSE_014

Year Media Cut Environmental Technique

80WSE_001 1004896063 NM
 80WSE_002 1004896063 NM

 80WSE_003 1004896063 NM
 80WSE_004 1004896063 NM

 80WSE_005 1004896063 NM
 80WSE_006 1090821345 NC

 80WSE_007 992714949 NC
 80WSE_008
 80WSE_009
 80WSE_010 1090821351 FL
 80WSE_011 1032781930 LA
 80WSE_012 992714363 ND

 80WSE_013
 80WSE_014 1020781240 NM

 80WSE_015
 80WSE_016 1004896070 OR

 80WSE_017 1029867711 LA
 80WSE_018 1046628035



2014 mp4 a Lake
 2014 mp4 a Scenery
 b Scenery
 c Scenery
 2014 mp4 a Survey
 2014 mp4 a Lake
 b Gate
 c Culvert
 d Ditch
 2014 mp4 a Instruction
 2018 mp4 a Repair
 b Repair
 c Repair
 2016 mp4 a Gate
 2023 mp4 a PR

 2018 mp4 a Roof
 2018 mp4 a Spillway
 2011 wmv a Sand
 b Survey
 c Sand
 d Riprap

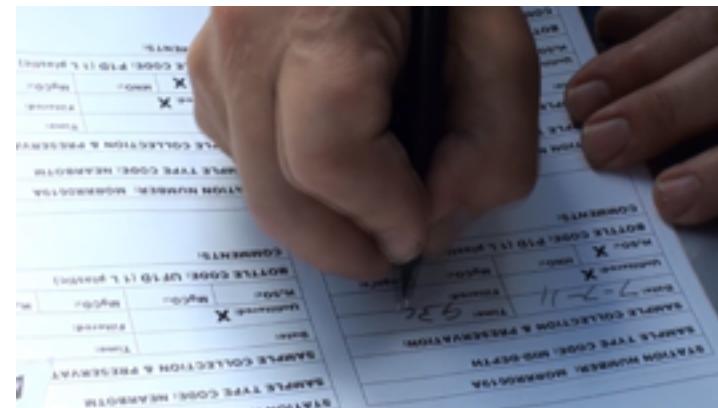
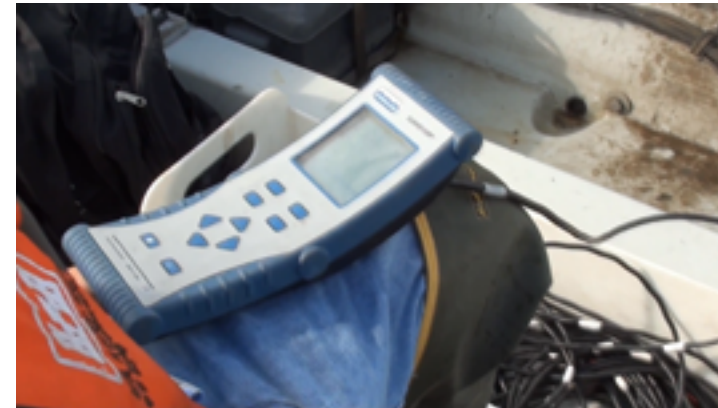
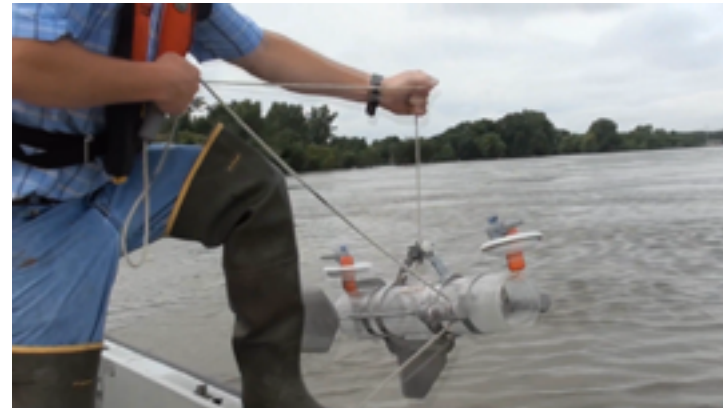
 2015 mp4 a Excavation
 b Excavation
 c Gabion
 d Trap
 e Trap
 f Gabion
 g Trap

 2015 mp4 a Survey
 b Survey
 c Survey
 2018 mp4 a Survey
 2018 mp4 a Survey
 b Jetty

Index	OCLC #	State	80WSE_014		Year	Media	Cut	Environmental Technique
80WSE_019							c Jetty d Riparian Area d Spillway	
80WSE_020	1090821355				2018	mp4	a	Damage
80WSE_021	992714365	NE			2011	wmv	a	Inspection
							b	Inspection
							c	Levee
							d	Levee
							e	Levee
							f	Damage
							g	Inspection
							h	Inspection
80WSE_022	992714405	NE			2011	wmv	a	Survey
							b	Expertise
							c	Survey
							d	Expertise
80WSE_023	992714279	NE			2011	wmv	a	Flood
80WSE_024	992713976	ND			2011	wmv	a	Spillway
							b	Repair
							c	Spillway
							d	Dam
							f	Spillway
							g	Dam
							h	Gate
							i	Dam
80WSE_025	992714407	SD			2011	wmv	a	Damage
							b	Flood
							c	Inspection
							d	Sand
80WSE_026	1306305534	ND			2011	wmv	a	Inspection
							b	Barrier
							c	Flood
80WSE_027	992714404	NE			2011	wmv	a	Inspection
							b	Inspection
80WSE_028	992714242	IA			2011	wmv	a	Sand
							b	Levee

Index	OCLC #	State
80WSE_029	1248899458	SC
80WSE_030	1248899455	NC
80WSE_031		
80WSE_032	1020781282	US Virgin Islands
80WSE_033	1248899650	SC
80WSE_034	1248899582	NC
80WSE_035	1248899579	NC
80WSE_036	1020781211	
80WSE_037	992714659	SD
80WSE_038	992715608	CA

80WSE_022



Year	Media	Cut	Environmental Technique
2018	mp4	a	Sand
		b	Sand
		c	Sand
2018	mp4	a	Repair
		b	Repair
		c	Ground
2017	mp4	a	Roof
2018	mp4	a	Sand
		b	Sand
		c	Sand
		d	Sand
2018	mp4	a	Inspection
2018	mp4	a	Repair
		b	Repair
		c	Repair
		d	Repair
2015	mp4	a	Model
		b	Model
		c	Model
2011	wmv	a	Barrier
		b	Dam
		c	Sand
		d	Inspection
		e	Inspection
		f	Repair
		g	Inspection
		h	Lock
		i	Riprap
		j	Gate
		k	Gate
		l	Gate
2017	mp4	a	Dam
		b	Gate
		c	Dam

Index	OCLC #	State
80WSE_039	1004896057	FL
80WSE_040	1029867715	LA
80WSE_041	1248899451	TN
80WSE_042	1042208479	WA
80WSE_043	1248900201	LA
80WSE_044	1248899711	KY
80WSE_045	1248899690	
80WSE_046	1248899628	SC
80WSE_047	1020781196	NM
80WSE_048	1248899725	WI
80WSE_049	1248899704	NC

80WSE_047



Year	Media	Cut	Environmental Technique
2017	mp4	a	Roof
		b	Roof
		c	Roof
2018	mp4	a	Spillway
		b	Spillway
2018	mp4	a	Lock
		b	Cofferdam
		c	Model
		d	Cofferdam
		e	Lock
		f	Lock
2018	mp4	a	Wildlife
		b	Survey
		c	Wildlife
2019	mp4	a	Sand
		b	Flood
2018	mp4	a	Gate
		b	Ground
		c	Dam
		d	Expertise
2018	mp4	a	Turf
		b	Trap
2018	mp4	a	Sand
		b	Barrier
		c	Barrier
		d	Sand
2014	mp4	a	Wildlife
		b	Wildlife
		c	Wildlife
2020	mp4	a	Dredge
		b	Vessel
		c	Dredge
2018	mp4	d	Dredge
		a	Expertise
		b	Repair
		c	Ground

80WSE_050 1020781397



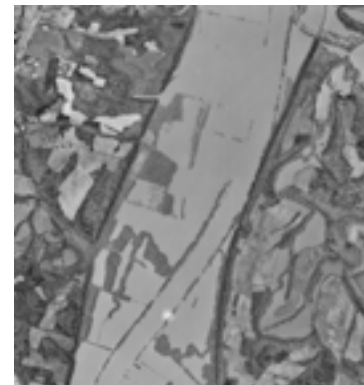
2015	mp4	a	Survey
		b	Cleanup
		c	Beach
		d	Lake
		e	Culvert
		f	Survey
		g	Dredge
		h	Dredge
		i	Cleanup

Index	OCLC #	State
80WSE_051	992715828	TN
80WSE_052	992716028	TN
80WSE_053	992716011	TN
80WSE_054	1265712842	AK
80WSE_055	992716737	MS
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80WSE_057	992716826	NY
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80WSE_060	992715509	AK
80WSE_061	992716873	AK
80WSE_062	992716974	LA
80WSE_063	992716900	LA
80WSE_064	992716914	
80WSE_065	992716738	TN
80WSE_066	992716908	NJ
80WSE_067	992717000	MS
80WSE_068	992717052	*Camp Century, Greenland
80WSE_069	992716999	AK
80WSE_070	992717018	*Athens, Greece
80WSE_071	992717031	IL
80WSE_072	992716992	UT
80WSE_073	992717103	LA
80WSE_074	992717726	TN
80WSE_075	992717932	TN
80WSE_076	992718181	*British Columbia, Canada
80WSE_077	992719084	KY
80WSE_078	992718265	KY
80WSE_079	992718245	TN
80WSE_080	992719118	KY
80WSE_081	992719260	TN
80WSE_082	992719222	TN
80WSE_083	992719006	*Vietnam

80WSE_079



80WSE_165



80WSE_170



80WSE_055



80WSE_506



80WSE_512



80WSE_527



80WSE_152



Year	Media	Environmental Technique
1947	jpg	Sluice
1947	jpg	Lake
1947	jpg	Spillway
1963	jpg	Lake
1930–39	jpg	Model
1937	jpg	Damage
1959	jpg	Dredge
2010	jpg	Survey
1941	jpg	Dam
1963	jpg	PR
1963	jpg	PR
1951	jpg	Spillway
1973	jpg	Spillway
1980s	jpg	Instruction
1982	jpg	Model
1983	jpg	Dolosse
1978	jpg	Division
c.1961	jpg	Expertise
1943	jpg	Emergency Response
1948	jpg	Repair
1940	jpg	Lock
1876	jpg	Exploration
1979	jpg	Spillway
1975	jpg	Lock
1975	jpg	Inspection
c.1942–43	jpg	Scenery
1937	jpg	Damage
1939	jpg	Flood
1955	jpg	Damage
1937	jpg	Damage
1937	jpg	Damage
1937	jpg	Damage
1966	jpg	Dredge

Index	OCLC #	State
80WSE_084	992720909	*Vietnam
80WSE_085	1020787216	TN
80WSE_086	1020787872	*Vietnam
80WSE_087	1032782559	TN
80WSE_088	1294224387	
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80WSE_092		TN
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80WSE_096	1198051849	IN
80WSE_097	992716514	AR
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80WSE_100	1228313656	NC
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80WSE_104	1248827263	AL
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80WSE_106	995800209	*Thailand
80WSE_107	992720991	*Vietnam
80WSE_108	1333648670	
80WSE_109	1333648549	TN
80WSE_110	1248827238	*Korea
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80WSE_113	1349320152	*Alexandria, Egypt
80WSE_114	1349319872	FL
80WSE_115	1349320082	FL
80WSE_116	1349320007	*Alexandria, Egypt
80WSE_117	1349319972	FL

80WSE_150



80WSE_157



Year	Media	Environmental Technique
1967	jpg	Causeway
1937	jpg	Damage
1967	jpg	Berth
1933	jpg	Repair
1937	jpg	Dredge
1935	jpg	Dredge
1913	jpg	Damage
1935	jpg	Dredge
	jpg	Vessel
1988	jpg	Cleanup
1935	jpg	Dredge
1982	jpg	Cleanup
1970	jpg	Instruction
1963	jpg	Model
1960	jpg	Survey
1931	jpg	Vessel
1931	jpg	Dredge
1931	jpg	Dredge
1925	jpg	Spillway
1925	jpg	Gate
1923	jpg	Labor
1953	jpg	Model
1967	jpg	Berth
1967	jpg	Berth
1920	jpg	Mat Sinking
1932	jpg	Dredge
1969	jpg	Sluice
1920-29	jpg	Mat Sinking
	jpg	Synchrolift
c.1990	jpg	Synchrolift
1986	jpg	Inlet
1983	jpg	Jetty
1990	jpg	Synchrolift
1986	jpg	Canal

80WSE_066



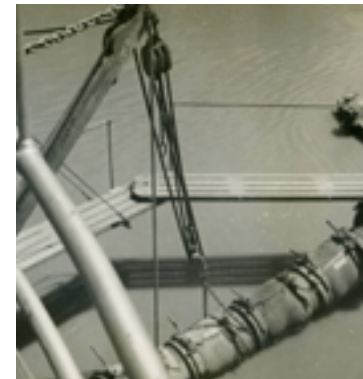
80WSE_068



80WSE_190



80WSE_191



80WSE_156



80WSE_140



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80WSE_121	1349319930	FL
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80WSE_125	1349319855	FL
80WSE_126	1349319962	Puerto Rico
80WSE_127	1349319946	Puerto Rico
80WSE_128	1349319950	Puerto Rico
80WSE_129	1349319982	FL
80WSE_130	1349319463	AL
80WSE_131	1349319897	AL
80WSE_132	992720443	
80WSE_133		
80WSE_134		
80WSE_135		TN
80WSE_136	992718567	*British Columbia, Canada
80WSE_137	992718591	*British Columbia, Canada
80WSE_138	992719911	TN
80WSE_139	992715825	TN
80WSE_140	992716029	TN
80WSE_141	992716147	TN
80WSE_142	992716089	TN
80WSE_143	992716007	TN
80WSE_144	992716735	*Panama
80WSE_145	992716718	WI
80WSE_146	992716720	WA
80WSE_147	992716765	*Korea
80WSE_148	992716768	*Burma
80WSE_149	992716803	AR
80WSE_150	992716956	AR

80WSE_105



80WSE_218



Year	Media	Environmental Technique
1976	jpg	Sand
1986	jpg	Canal
	jpg	Cleanup
1983	jpg	Lock
	jpg	Dam
1966	jpg	Beach
1989	jpg	Emergency Response
1983	jpg	Inlet
1976	jpg	Dredge
1989	jpg	Emergency Response
1989	jpg	Emergency Response
1994	jpg	Damage
c.1980-88	jpg	Dam
c.1980-88	jpg	Dam
1966	jpg	Beach
c.1955	jpg	Dredge
c.1930-59	jpg	Dredge
1944	jpg	Cleanup
c.1942-43	jpg	Survey
1943	jpg	Survey
1969	jpg	Timber Crib
1947	jpg	Sluice
1947	jpg	Formwork
	jpg	Labor
1946	jpg	Sluice
1947	jpg	Spillway
c.1912-14	jpg	Lock
1937	jpg	Dam
c.1949-55	jpg	Dam
1950	jpg	Supply
1945	jpg	Supply
1963	jpg	PR
1963	jpg	PR

80WSE_



80WSE_124



80WSE_216



80WSE_233



80WSE_112



80WSE_228



Index	OCLC #	State
80WSE_151	992716869	LA
80WSE_152	992716793	LA
80WSE_153	992716977	LA
80WSE_154	992716975	LA
80WSE_155	992716907	IL
80WSE_156	992716996	*Manila, Philippines
80WSE_157	992717016	OR
80WSE_158	1265713055	
80WSE_159	992717149	
80WSE_160	992717017	*Panama
80WSE_161	992717050	
80WSE_162	992720208	*Vietnam
80WSE_163	1269491783	LA
80WSE_164	992717863	TN
80WSE_165	992717849	TN
80WSE_166	992718149	*British Columbia, Canada
80WSE_167	992718209	TN
80WSE_168	992718210	TN
80WSE_169	992718993	*Yukon, Canada
80WSE_170	992719084	KY
80WSE_171	992719061	KY
80WSE_172	992719155	KY
80WSE_173	992719181	KY
80WSE_174	992718941	KY
80WSE_175	992719243	
80WSE_176	992719221	
80WSE_177	992719307	*Vietnam
80WSE_178	992720045	*Vietnam
80WSE_179	992719979	*Vietnam
80WSE_180	992720386	*Vietnam
80WSE_181	1020787153	TN
80WSE_182	1020787713	*Vietnam
80WSE_183	1050318747	
80WSE_184	1050318868	

80WSE_133



80WSE_096



Year	Media	Environmental Technique
1973	jpg	Spillway
c.1983	jpg	Labor
1973	jpg	Spillway
1974	jpg	Flood
1935	jpg	Riprap
1945	jpg	Survey
1991	jpg	Riparian Area
1908	jpg	Snag
1885	jpg	Dredge
1912	jpg	Gate
1937	jpg	Sand
1966	jpg	Beach
1979	jpg	Spillway
1975	jpg	Inspection
1975	jpg	Inspection
1942	jpg	Scenery

80WSE_243



80WSE_159



80WSE_095



80WSE_100



1939	jpg	Inspection
1939	jpg	Inspection
1942	jpg	Supply
1937	jpg	Damage
1937	jpg	Damage
1937	jpg	Damage
1937	jpg	Damage
1937	jpg	Damage
1937	jpg	Damage
	jpg	Inspection
	jpg	Inspection
1966	jpg	Dredge
1966	jpg	Dredge
1966	jpg	Dredge
1967	jpg	Dredge
1937	jpg	Damage
1967	jpg	Dredge
1937	jpg	Dredge
1938	jpg	Dredge

80WSE_200



80WSE_110



Index	OCLC #	State
80WSE_185	1050318867	NY
80WSE_186	1050318841	
80WSE_187	1050318822	NY
80WSE_188	1050318916	OR
80WSE_189	1050318902	
80WSE_190	1050318927	LA
80WSE_191		
80WSE_192	1055013760	
80WSE_193		
80WSE_194	1055013617	
80WSE_195		
80WSE_196	1102663416	DC
80WSE_197	1110610253	SC
80WSE_198	1294225603	
80WSE_199	1110610222	WV
80WSE_200	1198051799	IL
80WSE_201	1228313676	NC
80WSE_202	1228313752	VA
80WSE_203	1228314097	VA
80WSE_204	1228313724	VA
80WSE_205	1248826701	*Vietnam
80WSE_206	1248827373	AL
80WSE_207	1248827213	AL
80WSE_208	1269492020	AR
80WSE_209	1269492020	AR
80WSE_210	1333648578	
80WSE_211	1333648411	AR
80WSE_212	1333648234	AR
80WSE_213	1333648674	AR
80WSE_214	1333648560	
80WSE_215	1333648366	AR
80WSE_216	1349319936	NC
80WSE_217	1349319644	GA
80WSE_218	1349319875	FL
80WSE_219	1349319957	FL
80WSE_220	1349319964	FL

80WSE_113



80WSE_168



80WSE_171



80WSE_080



80WSE_120



80WSE_118



80WSE_237



80WSE_081



Year	Media	Environmental Technique
1988	jpg	Vessel
1938	jpg	Vessel
	jpg	Dredge
c.1980-89	jpg	Dredge
1867	jpg	Vessel
1935	jpg	Labor
1935	jpg	Dredge
c.1874-75	jpg	Dredge
1957	jpg	Dredge
1938	jpg	Vessel
	jpg	Dredge
1982	jpg	Cleanup
1895	jpg	Dredge
	jpg	Maintenance
	jpg	Dredge
1975	jpg	Instruction
1931	jpg	Dredge
1931	jpg	Vessel
1930	jpg	Dredge
1931	jpg	Dump Area
1969	jpg	Dredge
1925	jpg	Gate
c.1923-26	jpg	Labor
1870-73	jpg	Exploration
1870-73	jpg	Exploration
1934	jpg	Snag
1941	jpg	Dredge
1925	jpg	Mat Sinking
1940	jpg	Dredge
c.1920-29	jpg	Mat Sinking
1942	jpg	Dredge
1984	jpg	Lake
	jpg	Harbor
c.1984	jpg	Lock
1979	jpg	Lock
c.1984	jpg	Lock

Index	OCLC #	State
80WSE_221	1349320026	US Virgin Islands
80WSE_222		
80WSE_223		TN
80WSE_224		
80WSE_225		
80WSE_226		
80WSE_227		LA
80WSE_228		
80WSE_229		
80WSE_230		IL
80WSE_231	1262245944	
80WSE_232	992716081	TN
80WSE_233	1004896755	TN
80WSE_234	992720172	AL
80WSE_235	1050318749	TN
80WSE_236	1050318941	TN
80WSE_237	992717750	KY
80WSE_238	992717490	AR
80WSE_239	992717708	CO
80WSE_240	992717737	NV
80WSE_241	992717739	AZ
80WSE_242	992717756	ID
80WSE_243	992717220	*Costa Rica
80WSE_244	992718136	*Canada
80WSE_245	992718179	*Canada
80WSE_246	992718192	*Canada
80WSE_247	992718203	*Canada
80WSE_248	992717949	*Canada
80WSE_249	992717950	*Canada
80WSE_250	992718331	*Canada

80WSE_177



80WSE_182



80WSE_162



80WSE_185



80WSE_180



80WSE_193



80WSE_181



80WSE_093



Year	Media	Environmental Technique
1989	jpg	Emergency Response
1983	jpg	Vessel
1944	jpg	Cleanup
c.1950-69	jpg	Dredge
c.1873-93	jpg	Vessel
c.1955	jpg	Dredge
1951	jpg	Vessel
1973	jpg	Vessel
c.1932-59	jpg	Vessel
	jpg	Dredge
1887	jpg	Snag
1947	jpg	Formwork
1928	jpg	Riprap
1919	jpg	Riprap
1914	jpg	Riprap
1913	jpg	Riparian Area
1961	jpg	Lock
1871	jpg	Scenery
1871	jpg	Scenery
1871	jpg	Scenery
1872	jpg	Scenery
1874	jpg	Scenery
c.1942-43	jpg	Scenery
c.1942-43	jpg	Scenery
c.1942-43	jpg	Scenery
c.1942-43	jpg	Scenery
c.1942-43	jpg	Scenery
c.1942-43	jpg	Scenery
c.1942-43	jpg	Scenery
c.1942-43	jpg	Scenery

Index	OCLC #	Division/District
80WSE_251	992713790	South Atlantic
80WSE_252	992713867	North Pacific
80WSE_253	1269488056	Southwestern
80WSE_254	992714062	Missouri River
80WSE_255	992713715	New England
80WSE_256	992713714	Baltimore
80WSE_257	992713714	South Atlantic
80WSE_258	992714079	South Atlantic
80WSE_259	992714024	North Central
80WSE_260	992714125	Louisville
80WSE_261	1281254371	North Central
80WSE_262	992714201	Southwestern
80WSE_263	992714218	Lower Mississippi Valley
80WSE_264	992714341	Lower Mississippi Valley
80WSE_265	992714236	New England
80WSE_266	1004898090	North Atlantic
80WSE_267	1004898048	New England
80WSE_268	1004898126	North Central
80WSE_269	1004898057	North Central
80WSE_270	992714434	Lower Mississippi Valley
80WSE_271	992714570	Missouri River
80WSE_272	1004898114	Missouri River
80WSE_273	1004898087	Missouri River
80WSE_274	992714585	New England
80WSE_275	992714260	South Pacific
80WSE_276	992714455	North Atlantic
80WSE_277	1004898128	South Atlantic
80WSE_278	995798943	Missouri River
80WSE_279	995799960	Southwestern
80WSE_280	1294221689	South Atlantic
80WSE_281	995799879	New England
80WSE_282	1152349908	South Atlantic
80WSE_283	1152349477	Missouri River
80WSE_284	1008557354	South Pacific

80WSE_047



Year	Media	Environmental Technique
1981	pdf	Economy
1981	pdf	Navigation
1981	pdf	Tourism
1981	pdf	Energy
1981	pdf	Erosion
1981	pdf	Navigation
1981	pdf	Beach
1981	pdf	Beach
1981	pdf	Survey
1981	pdf	Model
1981	pdf	Wildlife
1981	pdf	Channel
1981	pdf	Maintenance
1981	pdf	Flood
1981	pdf	Tourism
1981	pdf	Inspection
1981	pdf	Habitat
1981	pdf	Breakwater
1981	pdf	Dam
1981	pdf	Dredge
1981	pdf	Tourism
1981	pdf	History
1981	pdf	Survey
1981	pdf	Lake
1981	pdf	Instruction
1981	pdf	Beach
1981	pdf	Dam
1981	pdf	Wildlife
1981	pdf	Habitat
1981	pdf	Survey
1981	pdf	Dam
1981	pdf	Jetty
1981	pdf	Damage
1981	pdf	Emergency Response

Index	OCLC #	Division/District
80WSE_285	995799959	New England
80WSE_286	995800039	Norfolk
80WSE_287	995800047	Ohio River
80WSE_288	995800068	North Central
80WSE_289	995799814	Missouri River
80WSE_290		
80WSE_291	1032566203	Institute for Water Resources
80WSE_292	1032566216	Dept. of Energy
80WSE_293	1152129075	Board of Engineers for Rivers and Harbors
80WSE_294	992713182	Waterways Experiment Station
80WSE_295	992713643	Waterways Experiment Station
80WSE_296	992714135	Waterways Experiment Station
80WSE_297	992715415	National Flood Proofing Committee
80WSE_298	2567708	Waterways Experiment Station
80WSE_299	4543139	Waterways Experiment Station
80WSE_300	1020784248	Waterways Experiment Station
80WSE_301	7850483	Waterways Experiment Station
80WSE_302	1020784142	Waterways Experiment Station

80WSE_003



Year	Media	Environmental Technique
1981	pdf	Recreation
1981	pdf	Economy
1981	pdf	Wildlife
1981	pdf	Instruction
1981	pdf	Survey
1975	pdf	Model
1980	pdf	Energy
1981	pdf	Instruction
1956	pdf	Model
1954	pdf	Model
1961	pdf	Model
1988	pdf	Flood
1976	pdf	Beach
1948	pdf	Sluice
1976	pdf	Model
1981	pdf	Model
1972	pdf	Dredge

Index	OCLC #	Division/District
80WSE_303	6246460	Waterways Experiment Station
80WSE_304	1020784771	Seattle
80WSE_305	1025322903	Waterways Experiment Station, Environmental Laboratory
80WSE_306	1025322737	Waterways Experiment Station, Environmental Laboratory
80WSE_307	1025322946	Waterways Experiment Station
80WSE_308	15339445	Waterways Experiment Station
80WSE_309	1025322987	Waterways Experiment Station
80WSE_310	3290589	Vicksburg
80WSE_311	9257150	Waterways Experiment Station
80WSE_312	1029868044	Waterways Experiment Station
80WSE_313	1029868098	Waterways Experiment Station
80WSE_314	1029867962	Waterways Experiment Station
80WSE_315	6255961	Cold Regions Research and Engineering Laboratory
80WSE_316	1029868456	Cold Regions Research and Engineering Laboratory

80WSE_029











Year	Media	Environmental Technique
1980	pdf	Erosion
1984	pdf	Model
1985	pdf	Environmental Assessment
1984	pdf	Wildlife
1976	pdf	Dredge
1987	pdf	Habitat
1978	pdf	Dredge
1977	pdf	Model
1983	pdf	Erosion
1987	pdf	Maintenance
1978	pdf	Dredge
1978	pdf	Riprap
1980	pdf	Survey
1980	pdf	Environmental Assessment

Index	OCLC #	Division/District
80WSE_317	11402508	Waterways Experiment Station
80WSE_318	885201605	Coastal Engineering Research Center
80WSE_319	222906451	Waterways Experiment Station
80WSE_320	1038011757	Waterways Experiment Station
80WSE_321	19721360	Waterways Experiment Station, Sacramento
80WSE_322	1038011988	Waterways Experiment Station
80WSE_323	1038011553	Coastal Engineering Research Center
80WSE_324	1038011814	Coastal Engineering Research Center
80WSE_325	1038011872	Cold Regions Research and Engineering Laboratory
80WSE_326	1038012016	Cold Regions Research and Engineering Laboratory
80WSE_327	1038011861	Waterways Experiment Station
80WSE_328	3690058	Waterways Experiment Station
80WSE_329	1042202476	Waterways Experiment Station

80WSE_049



Year	Media	Environmental Technique
1984	pdf	Erosion
1977	pdf	Model
1991	pdf	Habitat
1991	pdf	Environmental Assessment
1989	pdf	Model
1992	pdf	Model
1982	pdf	Wave
1977	pdf	Habitat
1982	pdf	Survey
1975	pdf	Habitat
1988	pdf	Model
1977	pdf	Inlet
1948	pdf	Spillway

Index	OCLC #	Division/District	80WSE_021		Year	Media	Environmental Technique
80WSE_330	4158391	Waterways Experiment Station			1950	pdf	Sand
80WSE_331	17065791	Waterways Experiment Station			1987	pdf	Model
80WSE_332	1042202332	Waterways Experiment Station			1992	pdf	Habitat
80WSE_333	1046628576	Waterways Experiment Station			1986	pdf	Model
80WSE_334	1046629094	Waterways Experiment Station			1990	pdf	Model
80WSE_335	1046629463	Waterways Experiment Station			1983	pdf	Model
80WSE_336	1160187494	Beach Erosion Board			1957	pdf	Wave
80WSE_337	992714297	Waterways Experiment Station			1991	pdf	Beach
80WSE_338	992714615	New York			1977	pdf	History
80WSE_339	1232930296	Beach Erosion Board			1957	pdf	Expertise
80WSE_340	1059588568	Coastal Engineering Research Center			1977	pdf	Expertise
80WSE_341	1059588568	Coastal Engineering Research Center			1977	pdf	Expertise
80WSE_342	992715413	Portland			2015	pdf	Emergency
80WSE_343	1025323083	Waterways Experiment Station			1974	pdf	Erosion
80WSE_344	992714417	Coastal Engineering Research Center			1977	pdf	Wave
80WSE_345							
80WSE_346	2323479	Waterways Experiment Station			1976	pdf	Sand

Index	OCLC #	Division/District
80WSE_347	1038011366	Cold Regions Research and Engineering Laboratory
80WSE_348	1042201868	Waterways Experiment Station

80WSE_002

Year	Media	Environmental Technique
1985	pdf	Expertise
1993	pdf	Expertise



Breach gestures to the ruin of climate catastrophe, historically situating a crisis by design. It examines the self-published archives of the United States Army Corps of Engineers, a pervasive yet inconspicuous design agency established in the early 19th century. Delving into the bureaucratic overflow of the Corps' involvement in producing so-called "water-related infrastructures," this research project documents an object-array of levees, dams, beaches, and walls that constitute a synthetic yet perpetually naturalized environment.

In suspending an achronological accumulation of technical reports, photographic scans, and audiovisual files, the exhibition recasts the apparatus of the Corps' mediatic production in a counter-archive of environmental techniques. This armature reconsiders the discursive scaffolds sustaining the uneven development of militarized frontiers of extraction, mitigation, and pacification, holding open the epistemic floodgates for breaching otherwise.

This exhibition is part of the ongoing work of the Workshop for Environmental Technik (WET), a group founded by researchers Ricky Ruihong Li and Isabelle A. Tan dedicated to the experimental study of environmental politics. Their collective work explores the architectures by which territories of the Natural have been marked, unmarked and remarked upon.

Exhibition design by Fernanda Carlovich.

Organized by Howie Chen, with Jon Huron and Olivia Andrews, alongside the rest of the 80WSE team.

Special thanks to S.E. Eisterer, Jeanne Haffner, and Mark Wasiuta.

