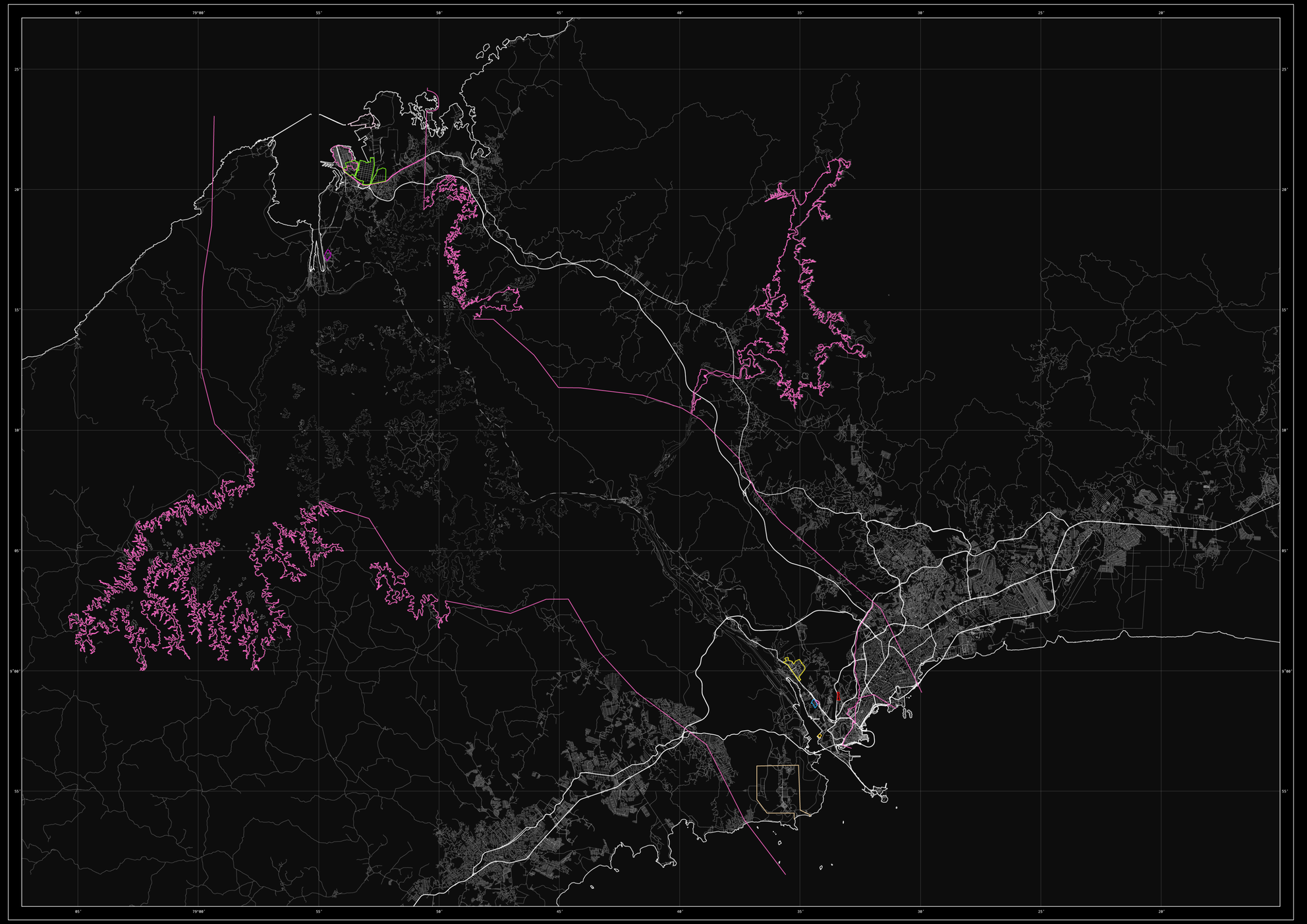
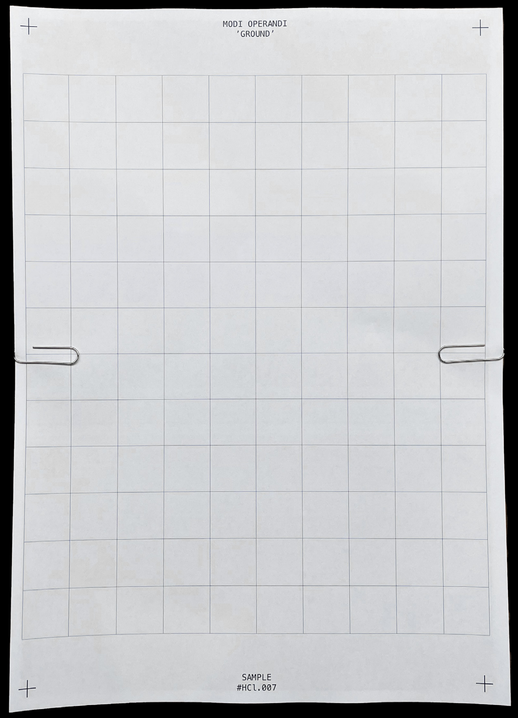
Office for Digital Oblivion
P5 Presentation

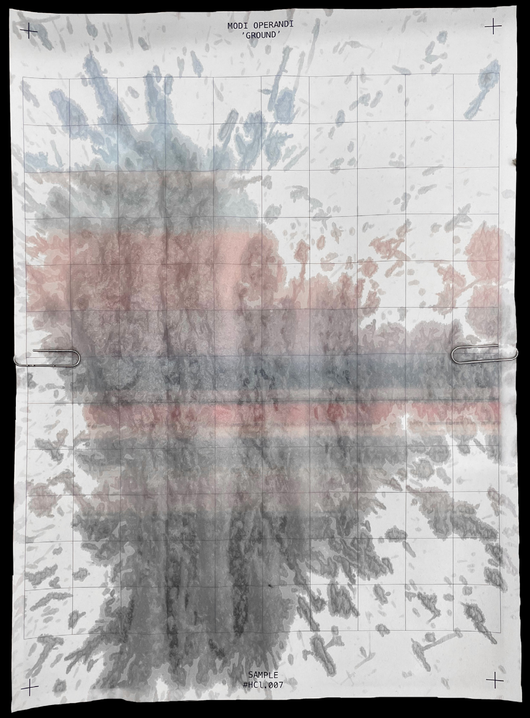
Borders&Territories
TU Delft

Theodor Reinhardt
28/06/24

Office for Digital Oblivion


05"
79°00'
55"
50"
45"
40"
35"
30"
25"
20"
25'
20'
15'
10'
05'
9°00'
55'



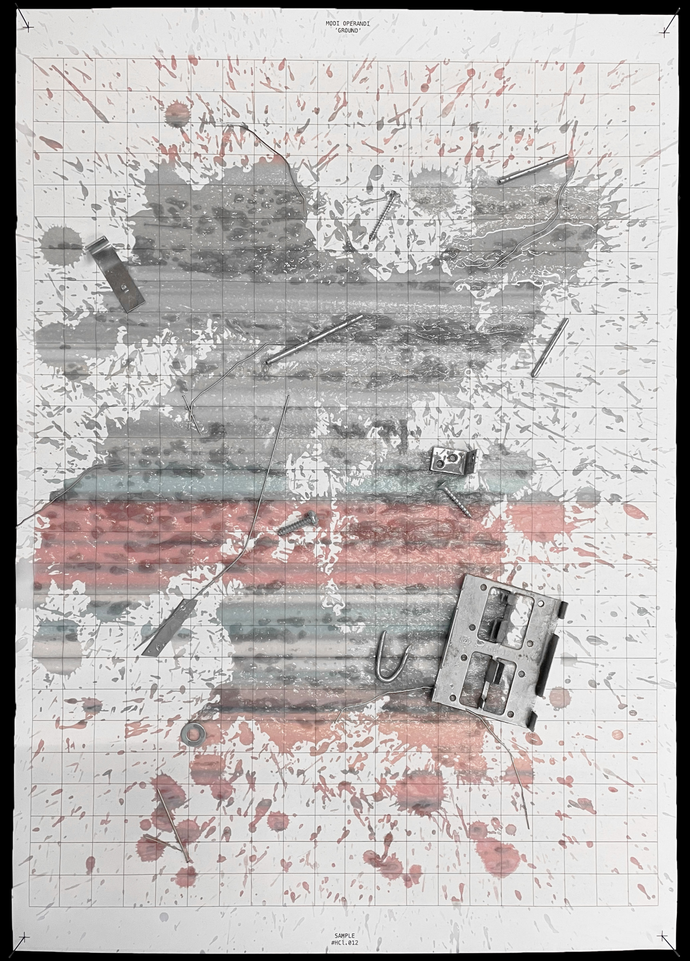




Latin 'zona'
Greek 'ζώνη' for "girdle"

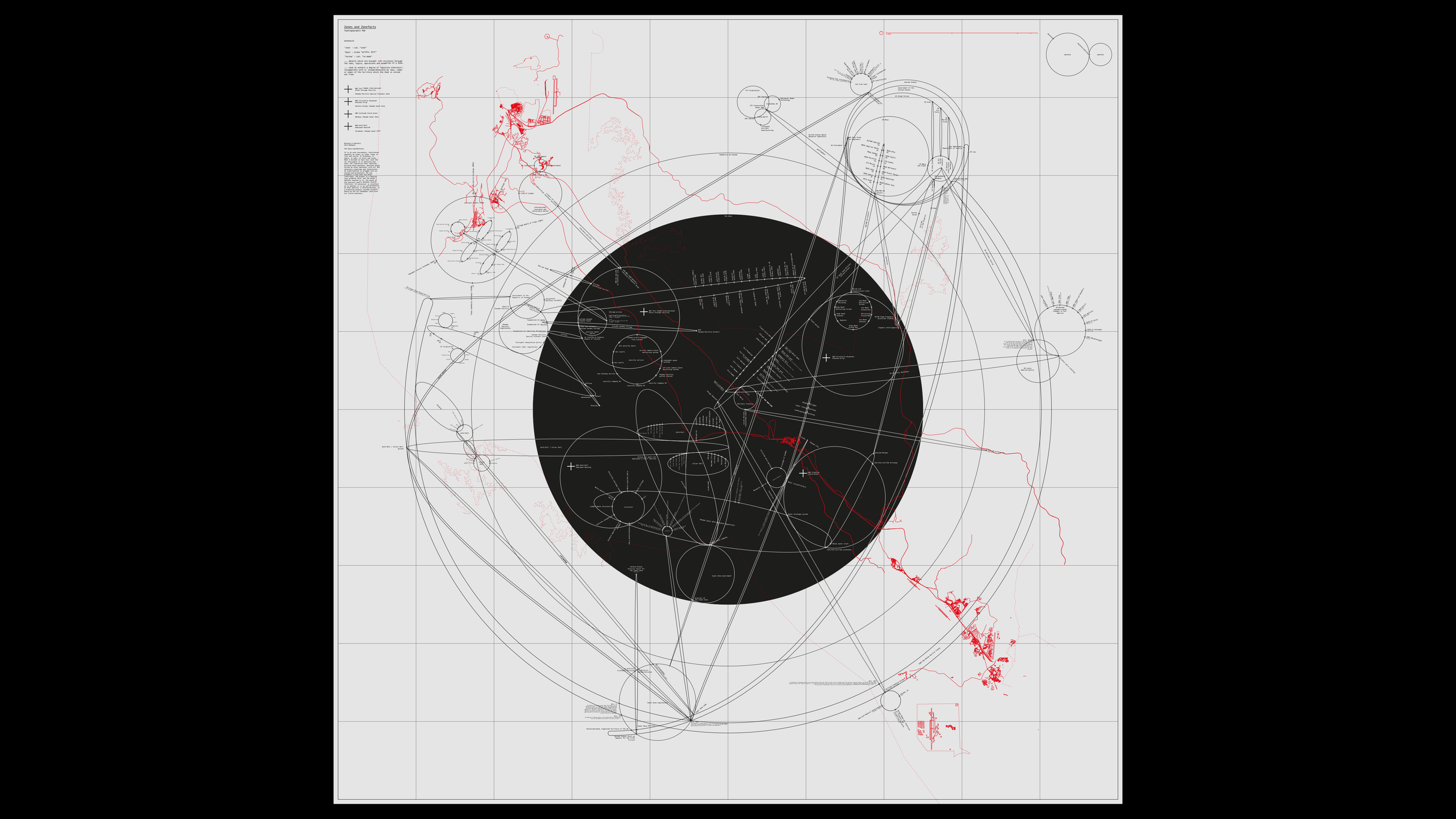
"definite region or area of the earth, or of any place or space, distinguished from adjacent regions by some special quality or condition"

Modi Operandi
GROUND





Modi Operandi
GROUND


Zones and Zonefacts
Toponymographic Map
Zonefacts
"zone" – Lat., "zone"
"Qanz" – Greek "girdle, belt"
"Factum" – Lat. "to make"
— objects which are brought into existence through the deliberate, strategic confinement of a body
— taxed to exhibit a degree of "fabulatus otherness", incompatible with or incomprehensible by laws, codes or modes of the territory which the Zone is carved out from.
MRI Fort Kobbe International Maritime Airport
Panama Pacifico Special Economic Zone
MRI Circularly Disposed Processing Area
Galeta Island, Panama Canal Zone
MRI Corrosive Store Drain
Colón, Panama Canal Zone
MRI Gold Mall Employee Housing
Caribbean, Panama Canal (PTY)
Belonging & Scanners
Jonathan Bell
The Observing-Machines
It is at work everywhere, functioning in every sector, in every place, at every time and country. In Brasília, the Observing-Machines are the Eyes of Power. When a minister is here and then there, when he flies from one capital to another, when Chief Executives meet overseas, they are always surrounded by other machines, with all the paraphernalia of communications, so that organizations to plunge into an international crisis can be put into action at a few hour's notice.
Jean Baudrillard, "The Ecstasy of Communication" (1983) Baudrillard compared the Observing-Machines to the "black box" of the cybernetic model, which receives information from the environment, processes it, transforms it into a message, and then transmits it. Although Baudrillard's analysis was primarily focused on media, he argued that the Observing-Machines were not limited to media alone but were a pervasive force in modern society, shaping the way we perceive and interact with the world around us.
Panama Canal Railway
Panama Railroad Company
Panama Railway
Panama Railroad
Panama Railway Company
Panama Railroad Company
Panama Railway Company
Panama Railroad Company
Panama Railroad Company
Panama Railroad

artefact

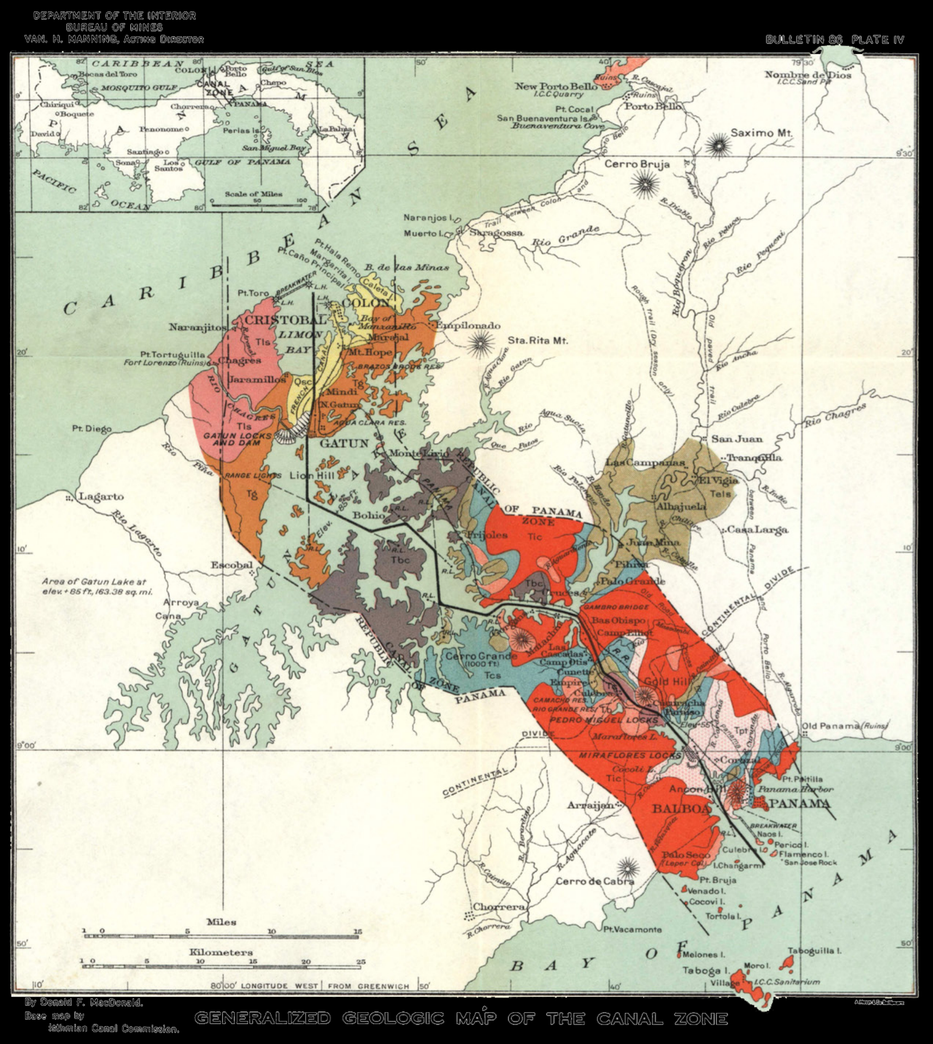
‘arte‘ - ‘by skill‘
‘factum‘ - ‘made‘

zonefact

‘zona‘ - ‘zone‘
‘factum‘ - ‘made‘

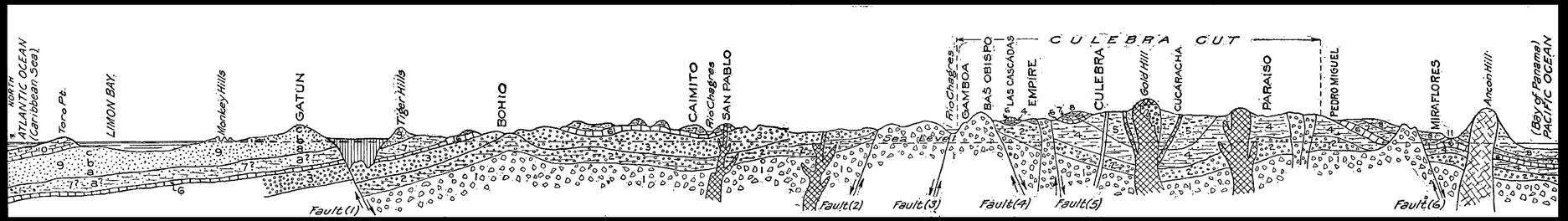
“the Real of an absolute Otherness incompatible with the rules and laws of our universe.“
Zizek, 2000

Paradigmatic Eruption of
Absolute Otherness



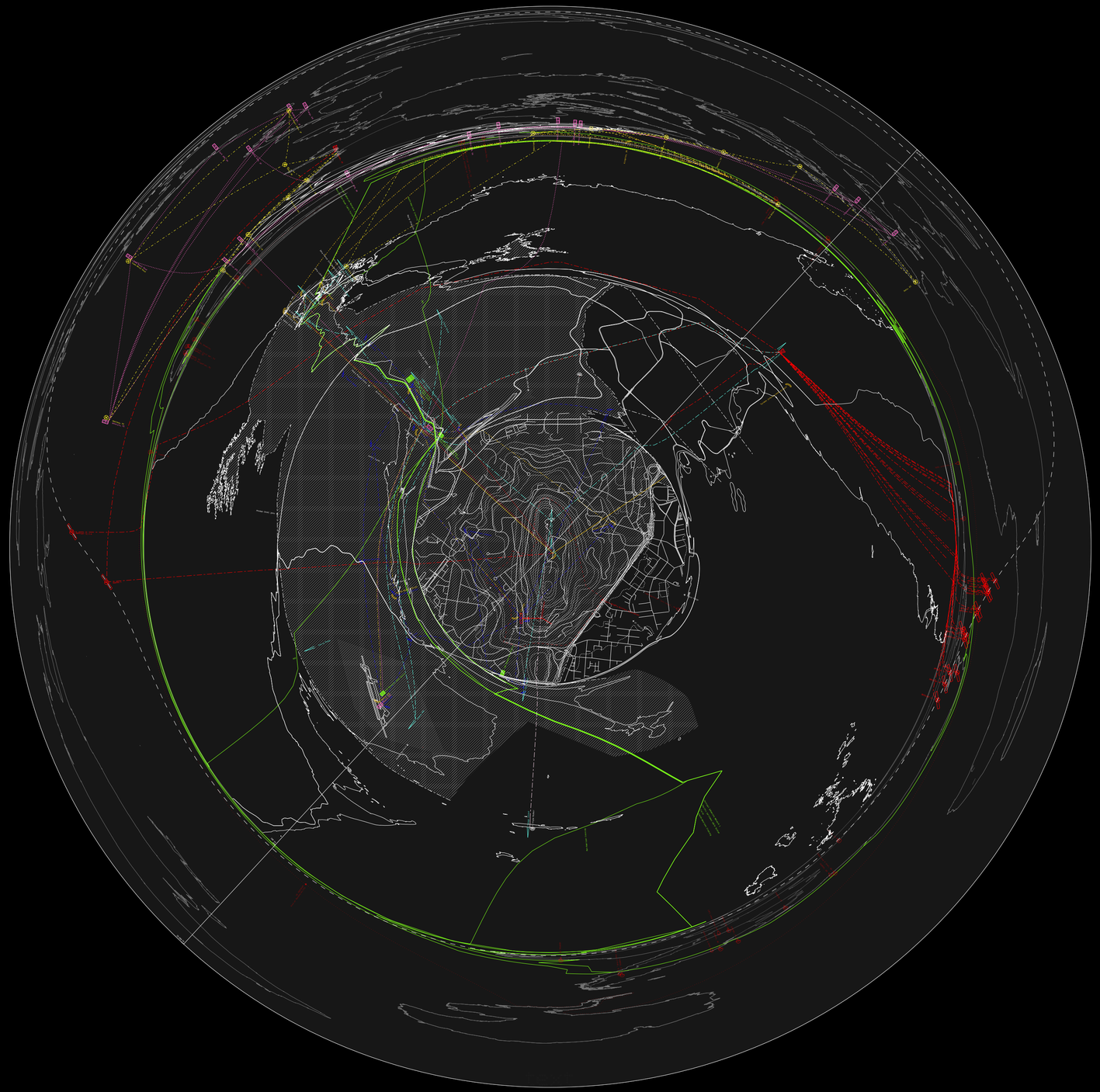
Geological Map of the Canal Zone

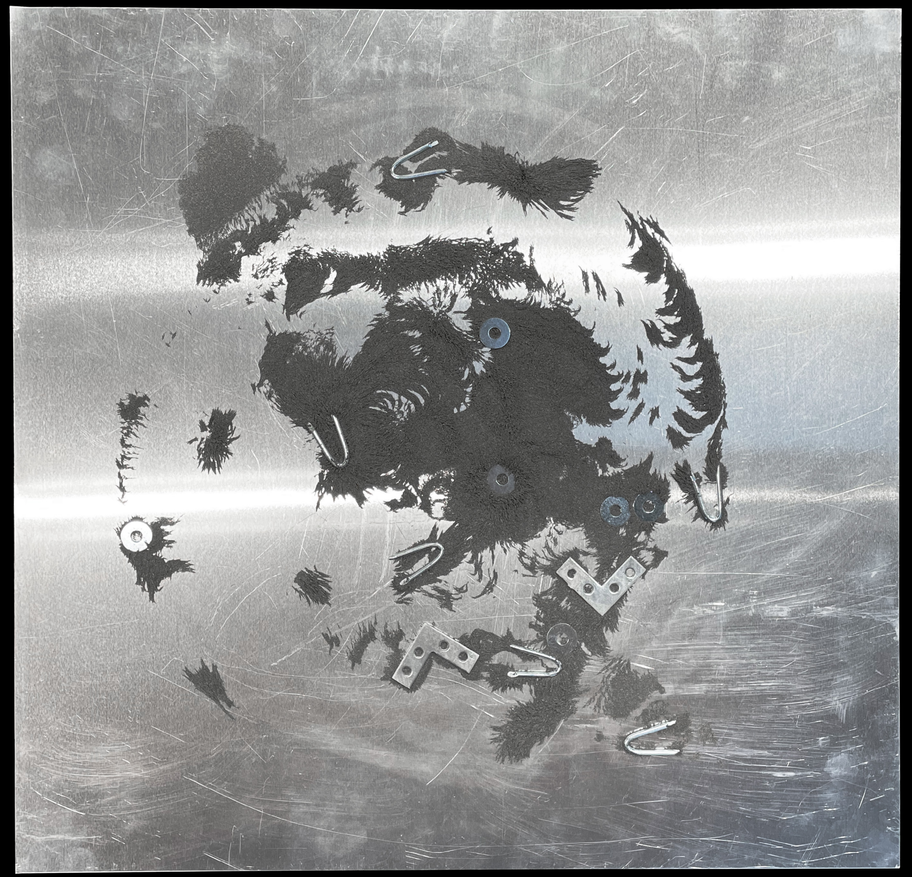
Donald F. MacDonald



Geological Section of the Canal Zone

Donald F. MacDonald





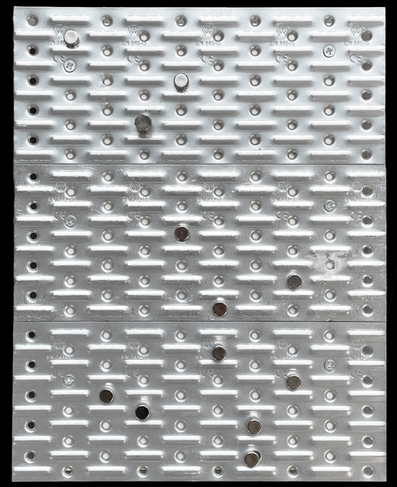
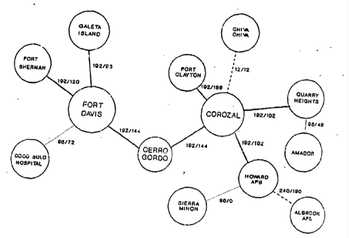


FIGURE 2-2

Strategic Microwave Radio Network







Modi Operandi
ASSEMBLAGE





Ancon Hill



SOUTHCOM Bunker

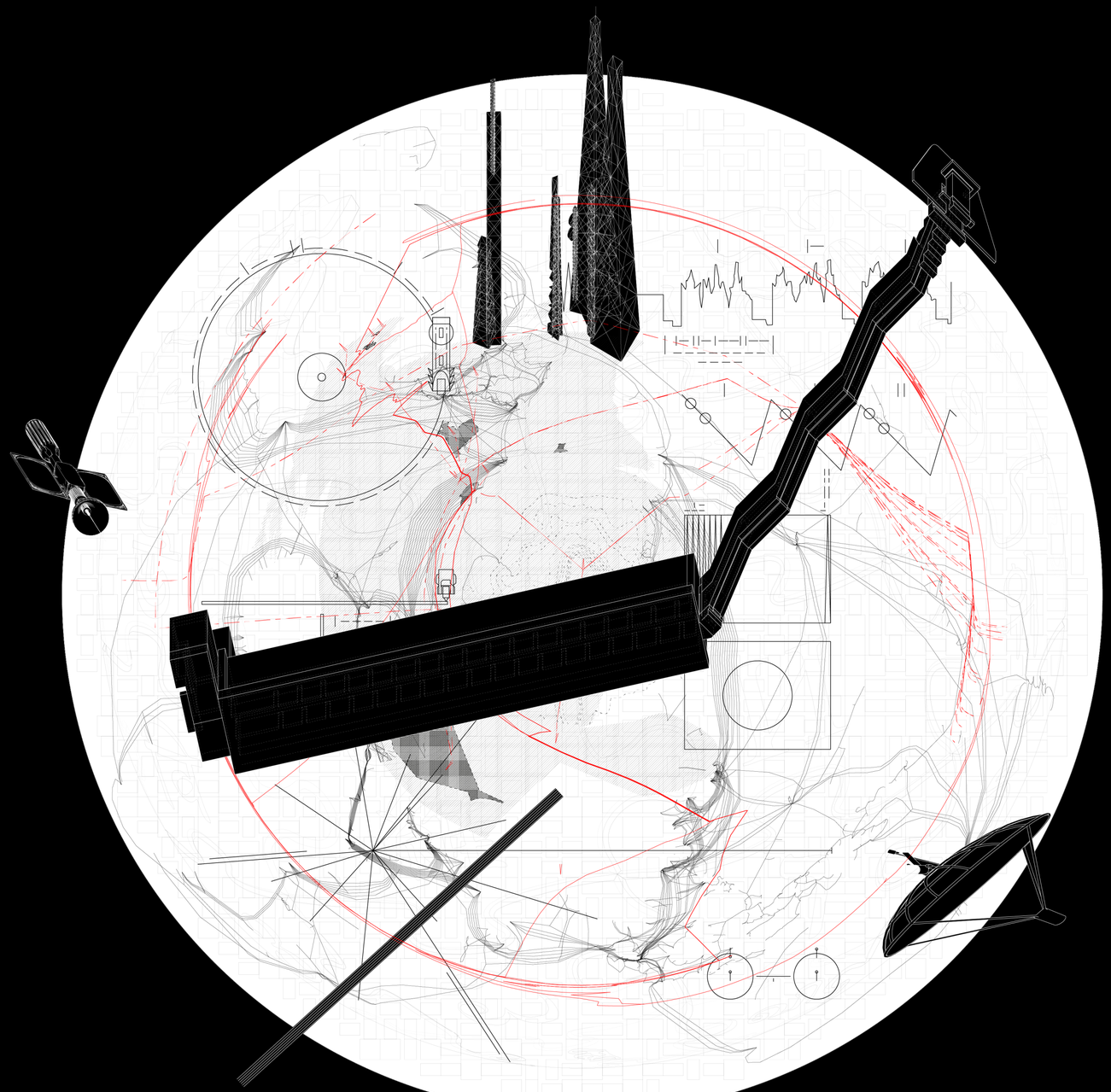
Panama America / Critica en Linea



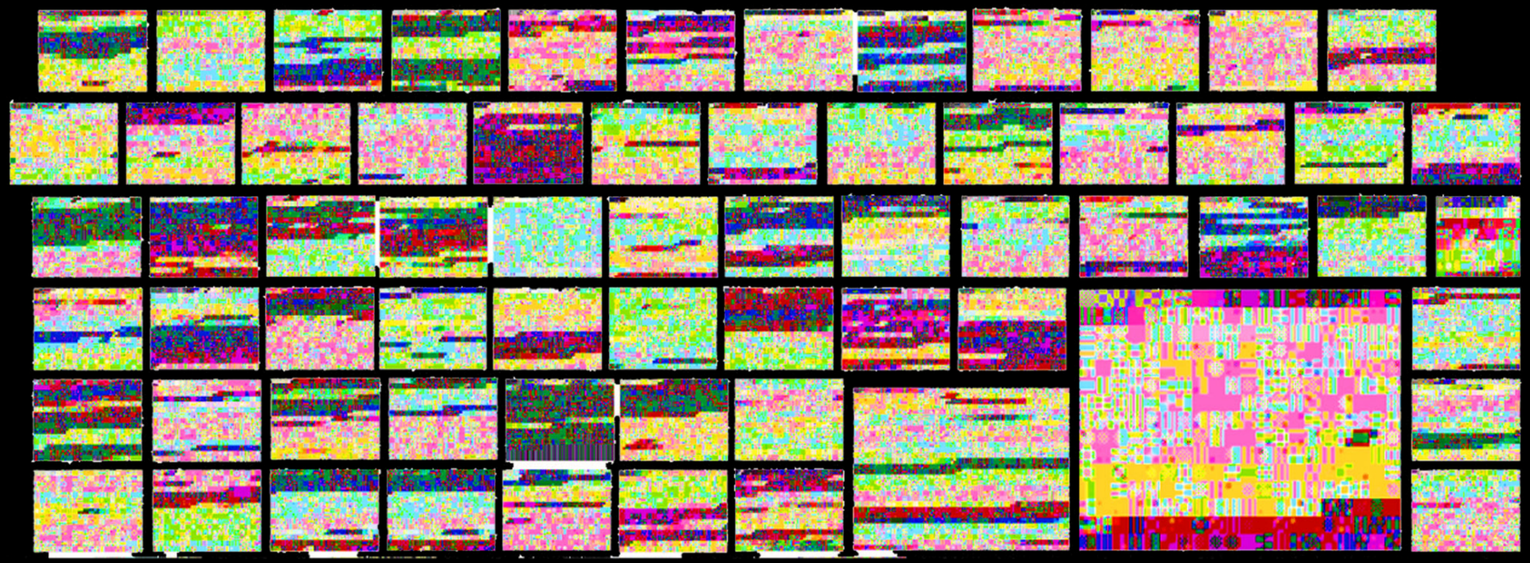
Modi Operandi
SPATIAL SITUATION



Modi Operandi
SPATIAL SITUATION



Hyperconnectivity / Hypersecurity



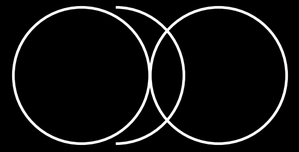
JPEGs from 2009 opened in 2016

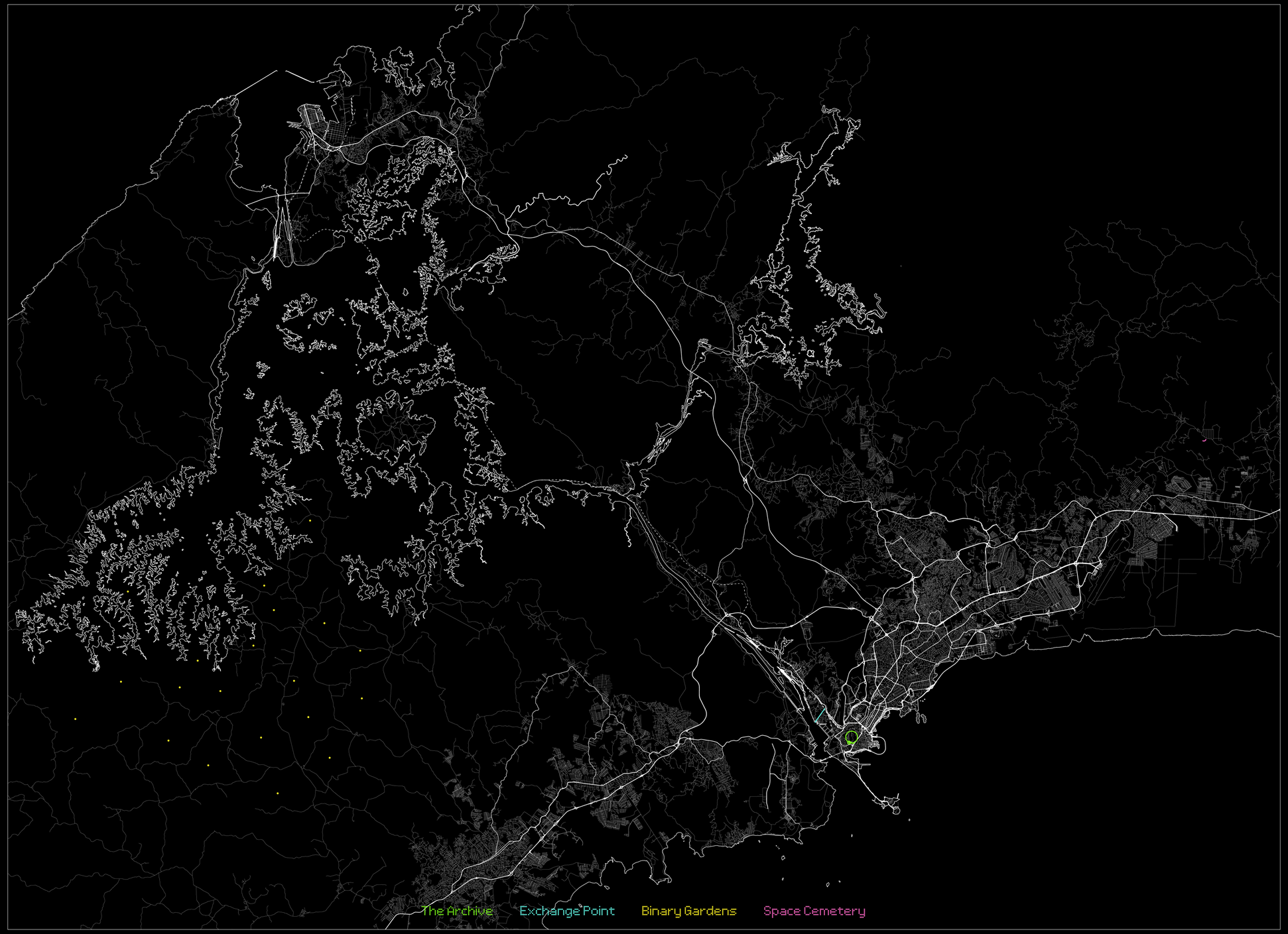
Blaire Haslop, Marc Aurel Schnabel and Serdar Aydin



Air-Gapped Backup

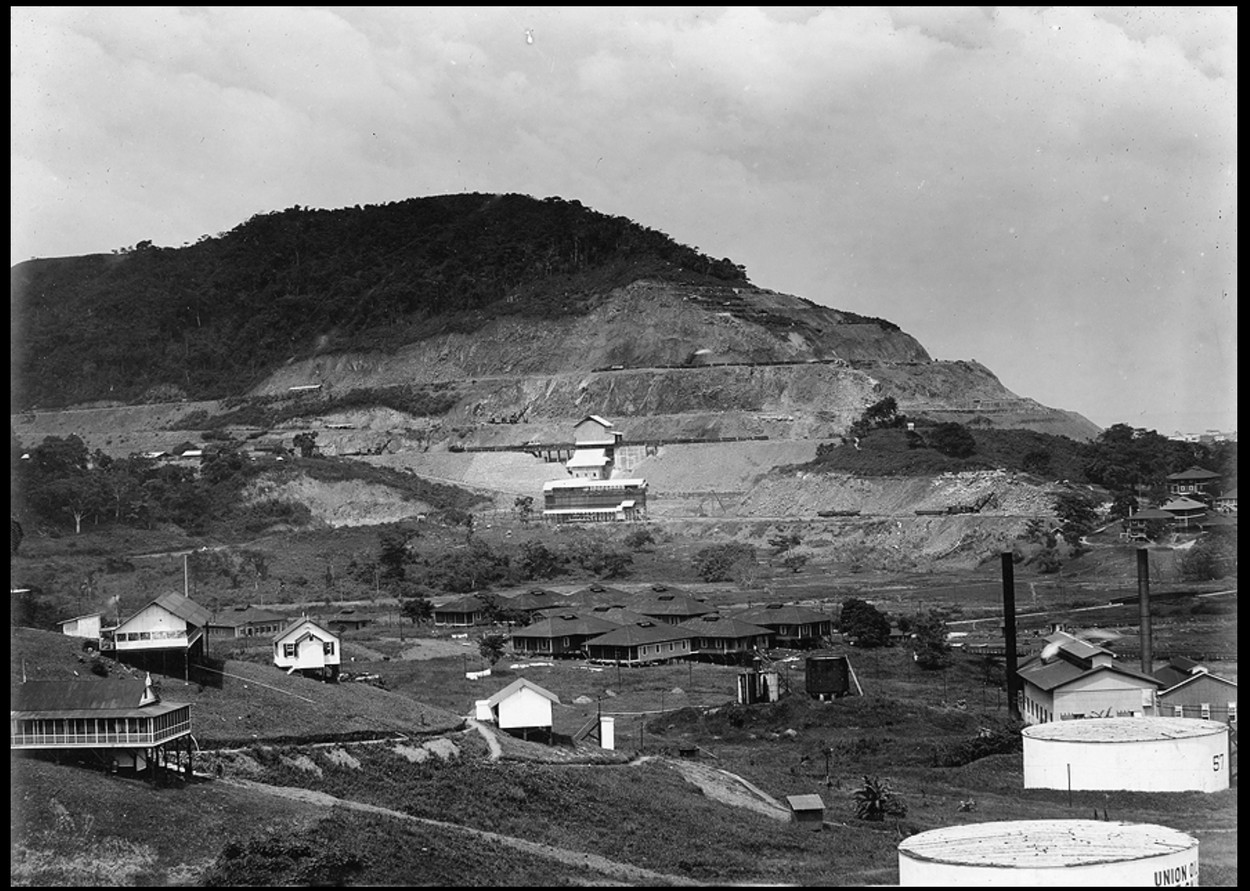
Backupned




The Archive
Exchange Point
Binary Gardens
Space Cemetery

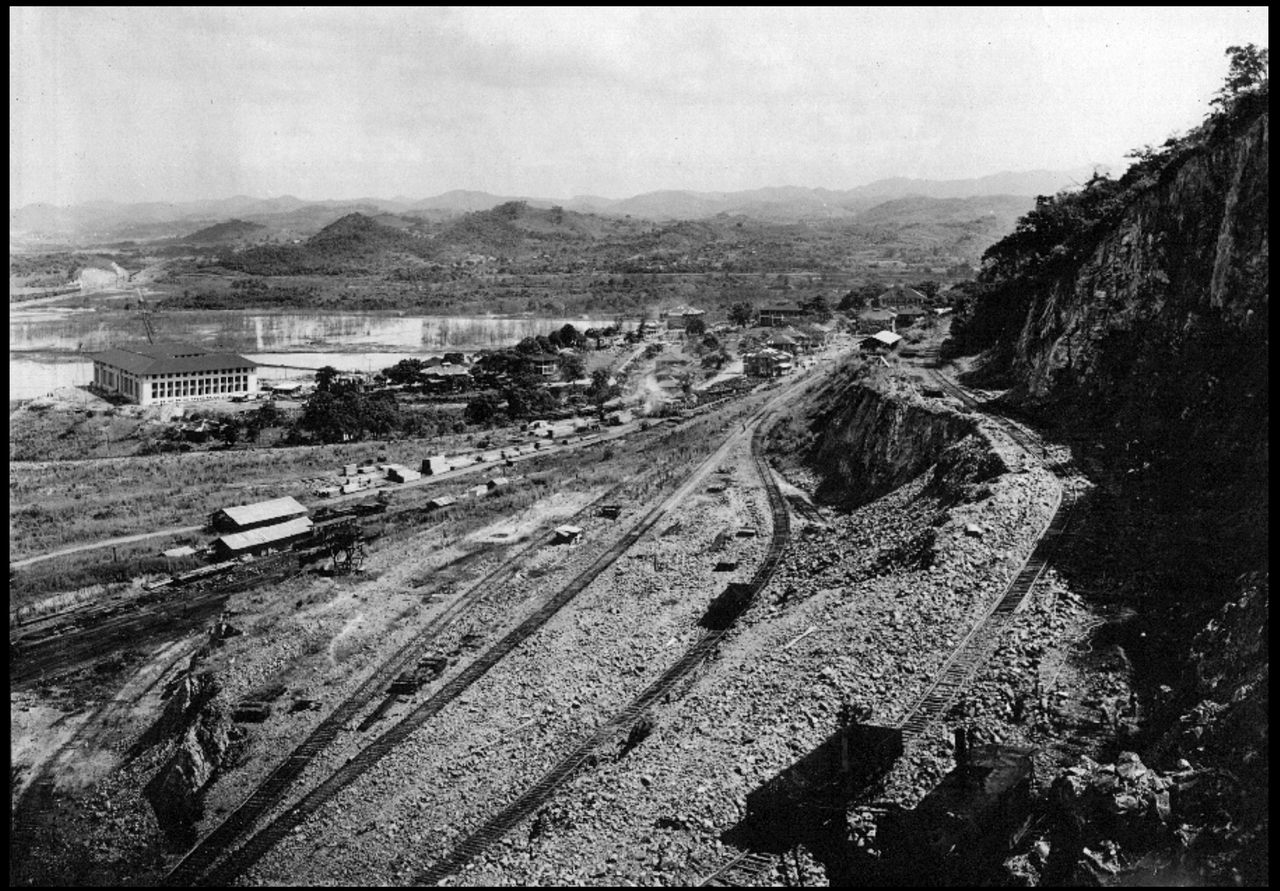
The Archive


Ancon Hill Quarry Excavation



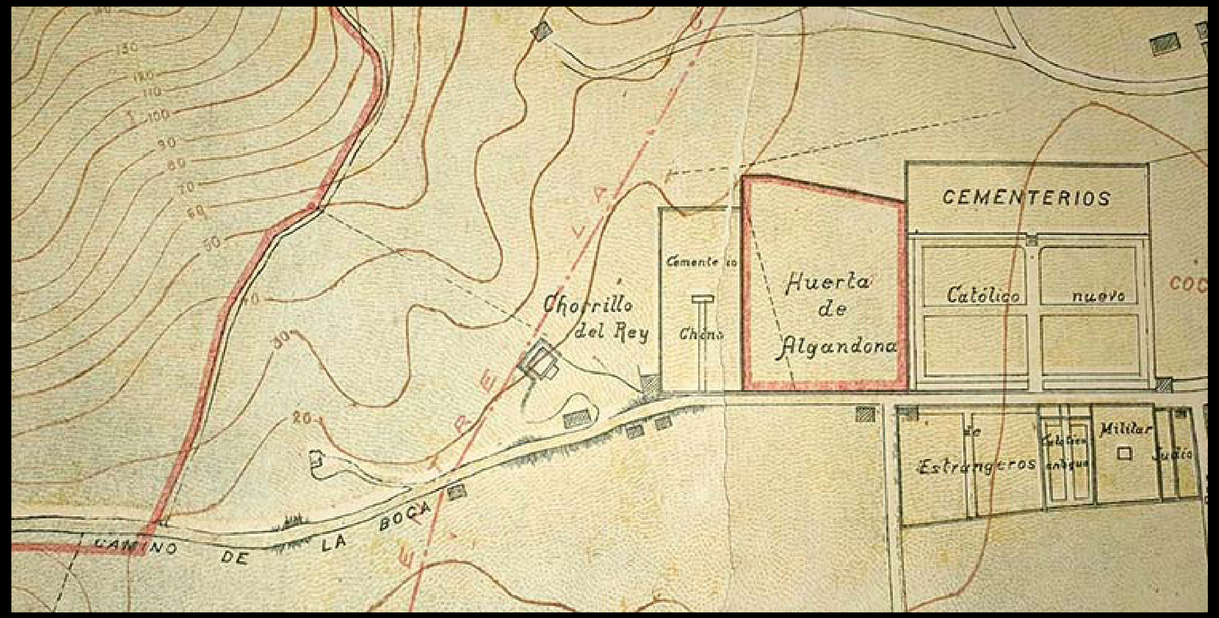
Ancon Hill Quarry

CZ Images



Ancon Hill Quarry

Panama Vieja Escuela





Chorrillo del Rey

El Faro del Canal

You no longer keep the traces of my footsteps,
you are no longer mine, idolized Ancon.
That destiny has already untied the ties
that my heart formed in your skirt.

Like a lonely and sad sentinel
a tree on your summit I met:
there I engraved my name, what did you do?
Why are you not the same for me?

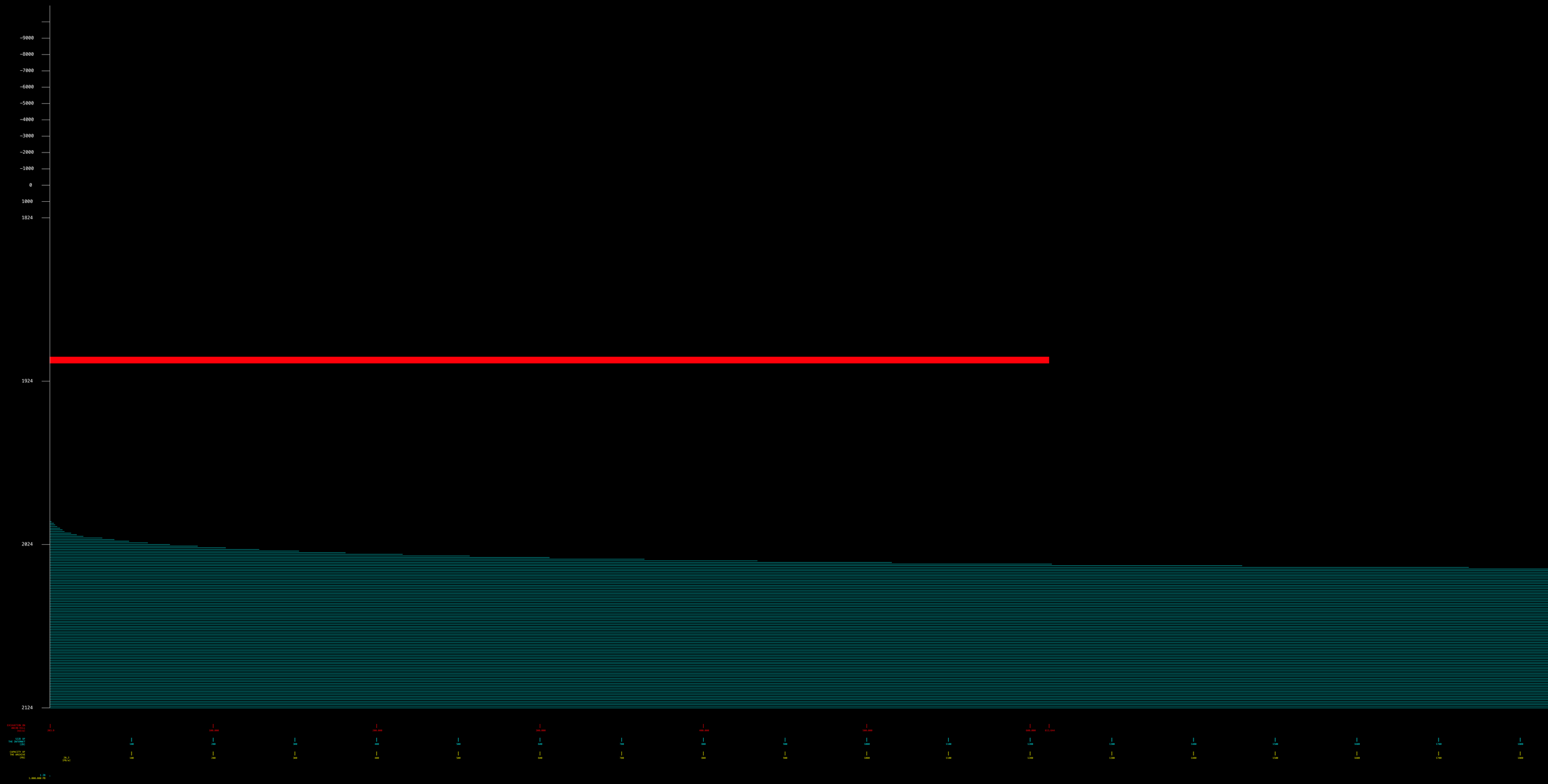
What have you done with your splendid beauty?
Of your wild beauty that I admired?
From the mantle that I gazed with sturdy gentleness
I gazed upon your skirts of freedom?

What has your stream become?
Did a stranger's footsteps dry it up?
Its crystalline, beneficent fountain
in the abyss of non-being sank.

What have you made of your trees and flowers
mute watchtower of the calm sea?
. . . . . .

Chorrillo del Rey

Amelia Denis de Icaza


-9000
-8000
-7000
-6000
-5000
-4000
-3000
-2000
-1000
0
1000
1824
1924
2024
2124
EXCAVATION ON MAJOR ACCU (ACC)
201.5
100.000
200.000
300.000
400.000
500.000
600.000
611.644
SIZE OF THE DEPOSIT (20)
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
CAPACITY OF THE ARCHIVE (20)
20.3 (PSI/s)
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
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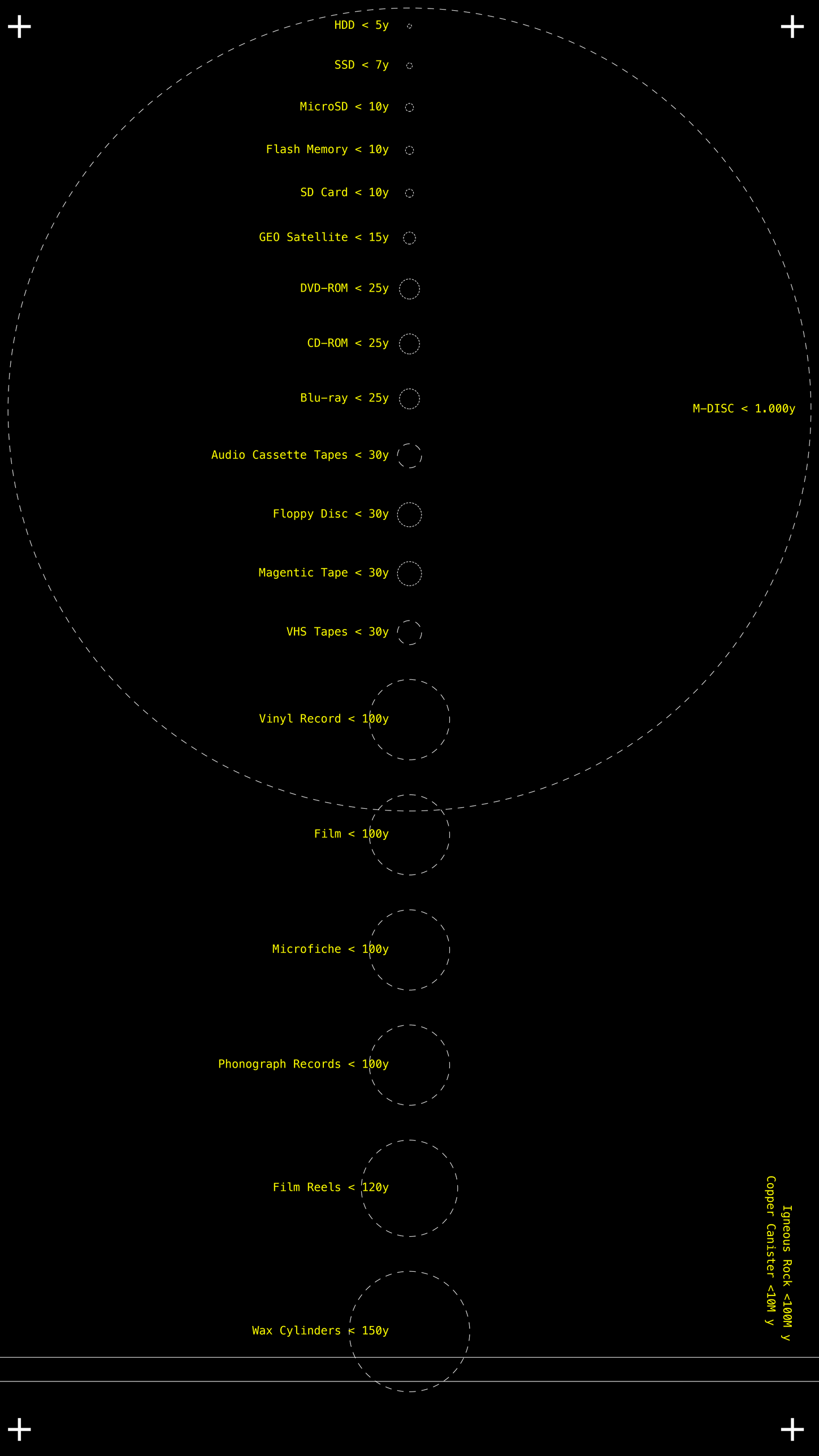
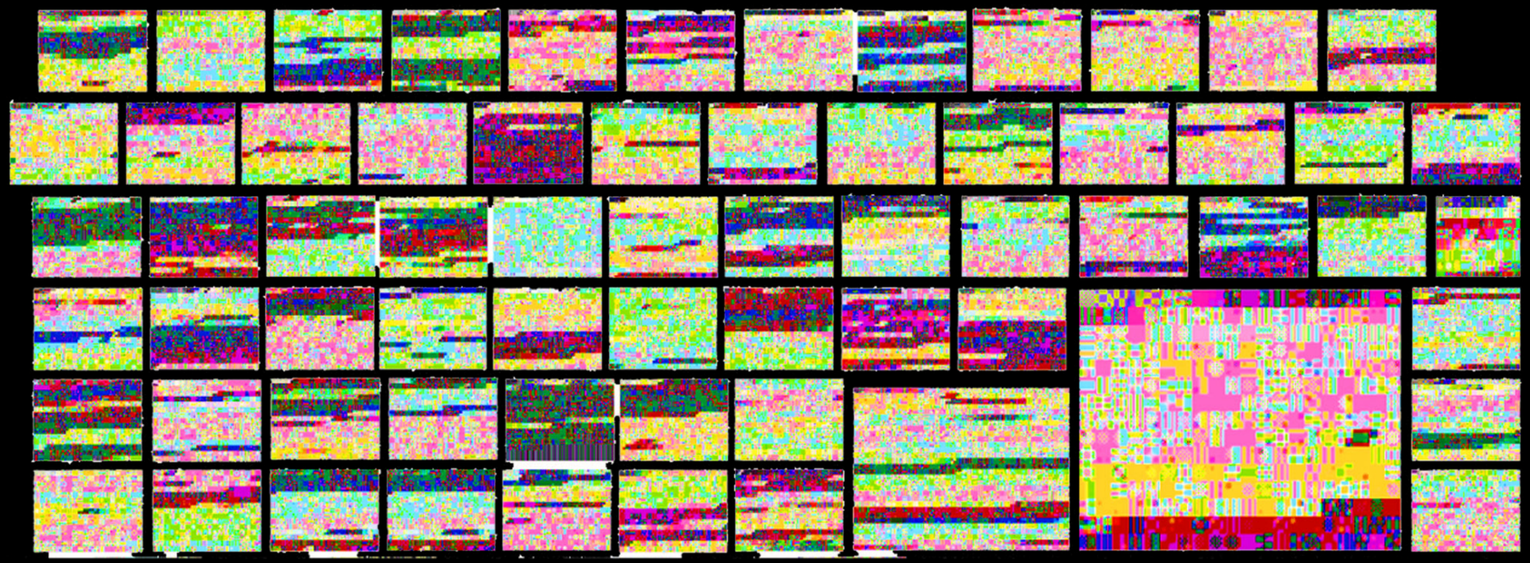
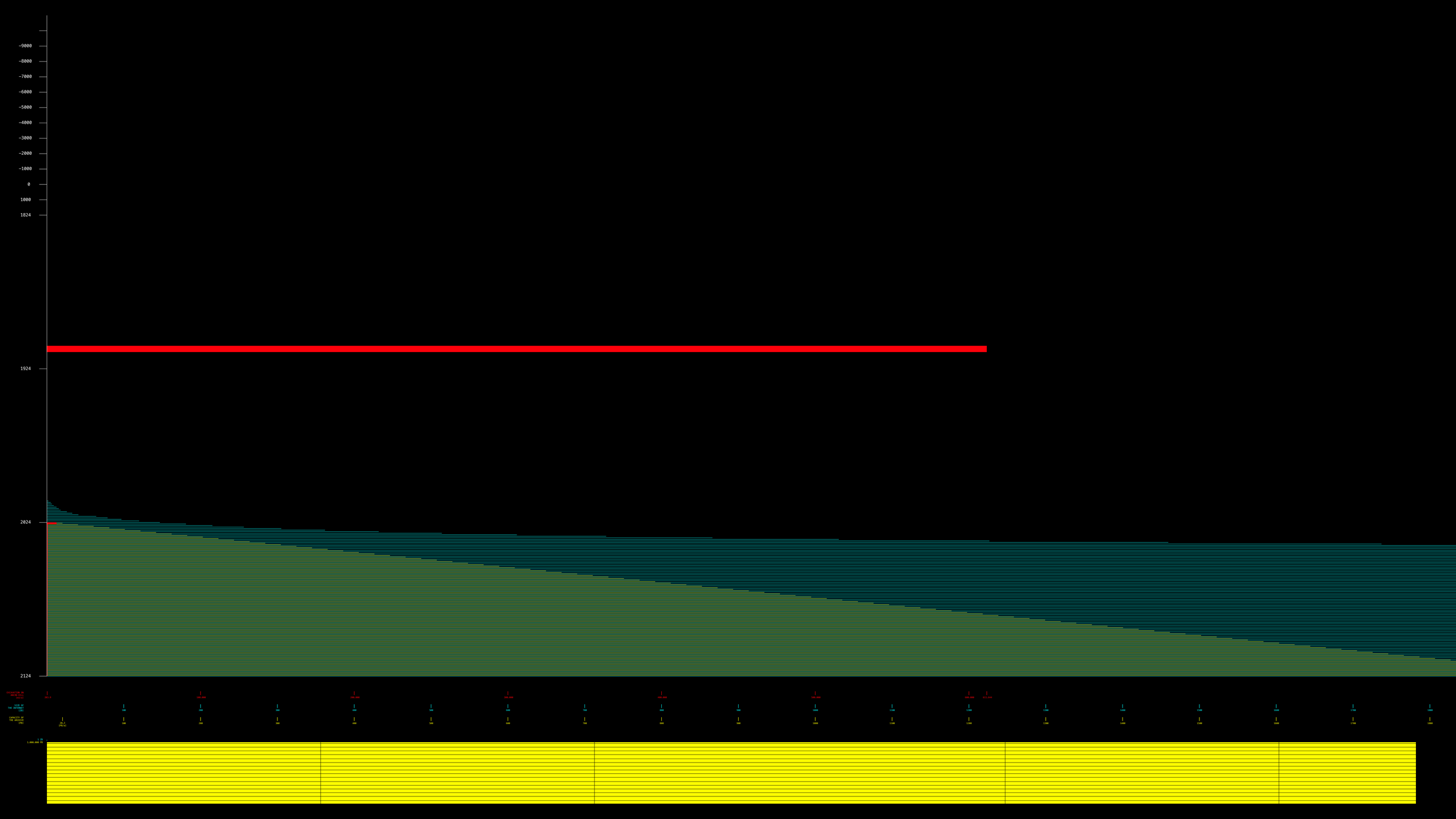
1700
1800
1 20
1.000.000 PS


HDD < 5y
SSD < 7y
MicroSD < 10y
Flash Memory < 10y
SD Card < 10y
GEO Satellite < 15y
DVD-ROM < 25y
CD-ROM < 25y
Blu-ray < 25y
M-DISC < 1.000y
Audio Cassette Tapes < 30y
Floppy Disc < 30y
Magentic Tape < 30y
VHS Tapes < 30y
Vinyl Record < 100y
Film < 100y
Microfiche < 100y
Phonograph Records < 100y
Film Reels < 120y
Wax Cylinders < 150y
Igneous Rock <100M y
Copper Canister <10M y

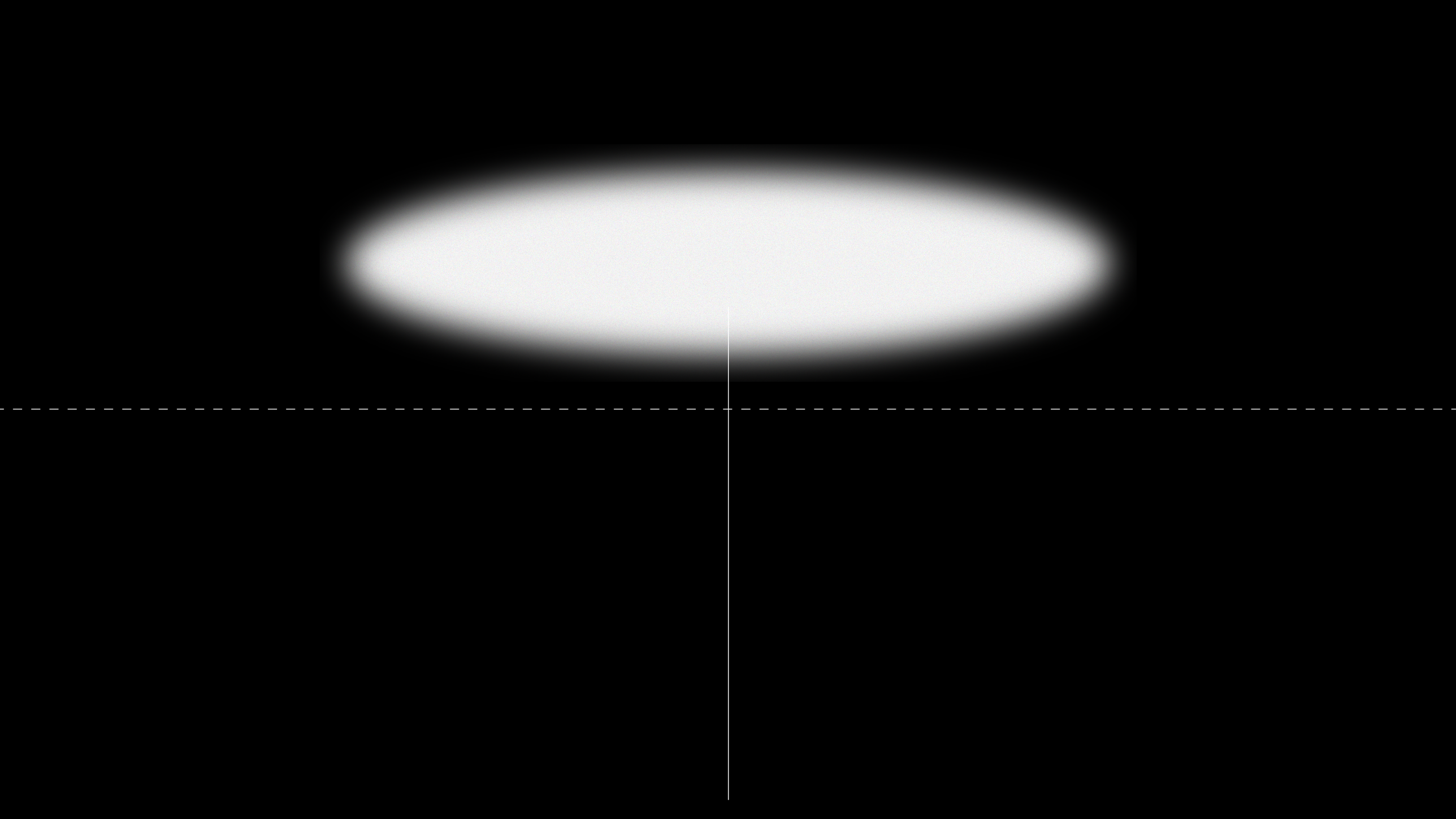


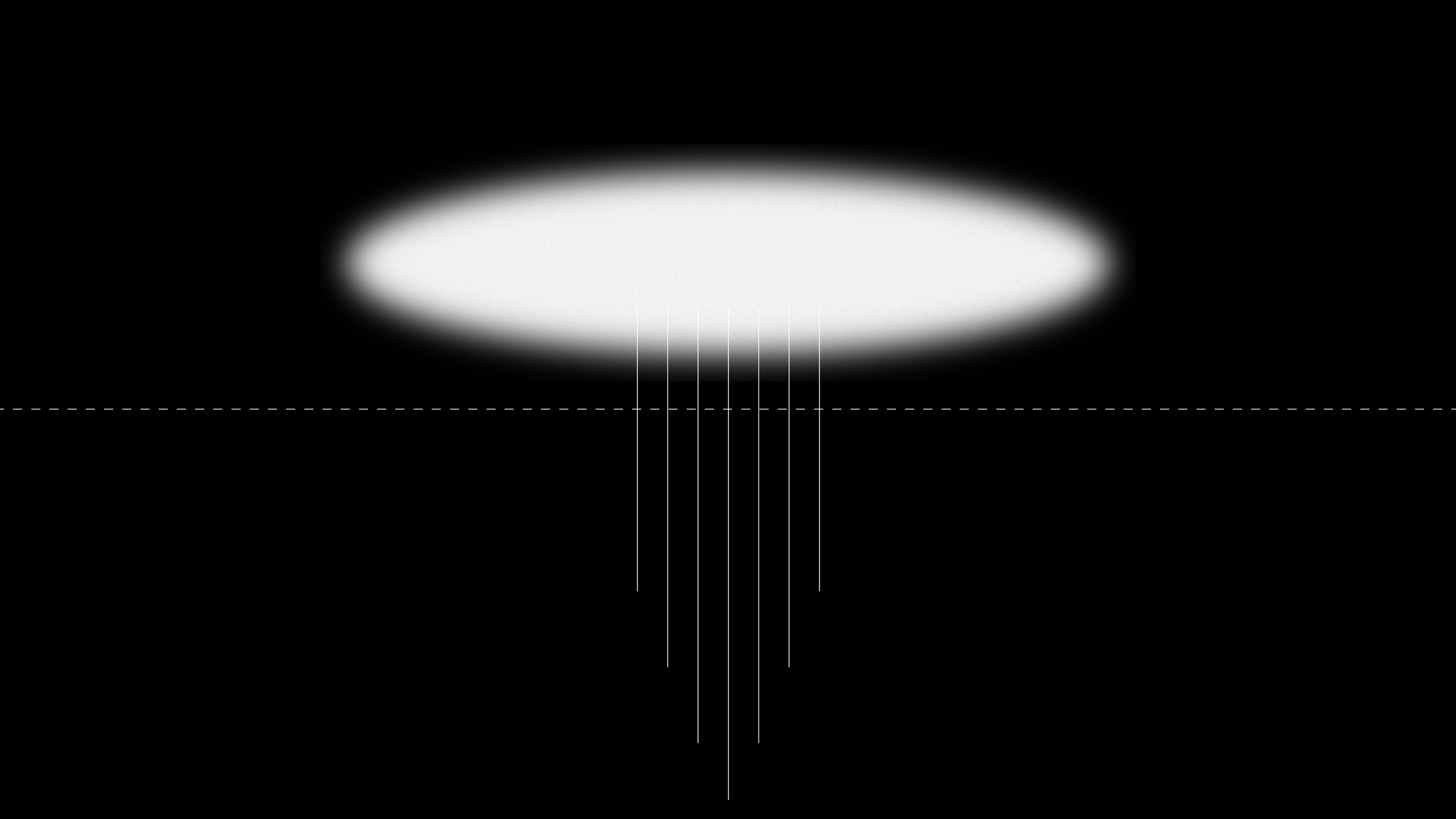
JPEGs from 2009 opened in 2016

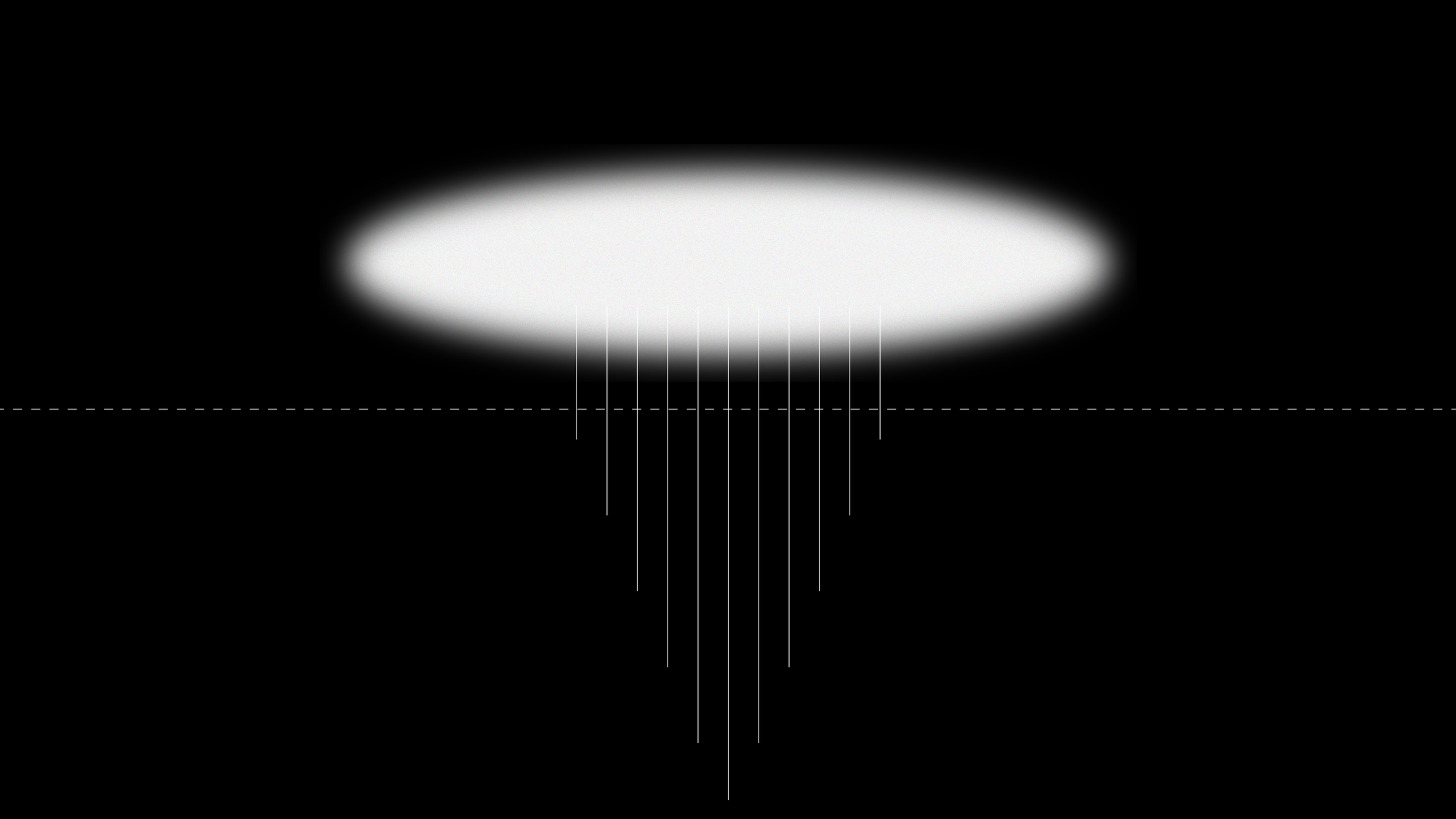
Blaire Haslop, Marc Aurel Schnabel and Serdar Aydin

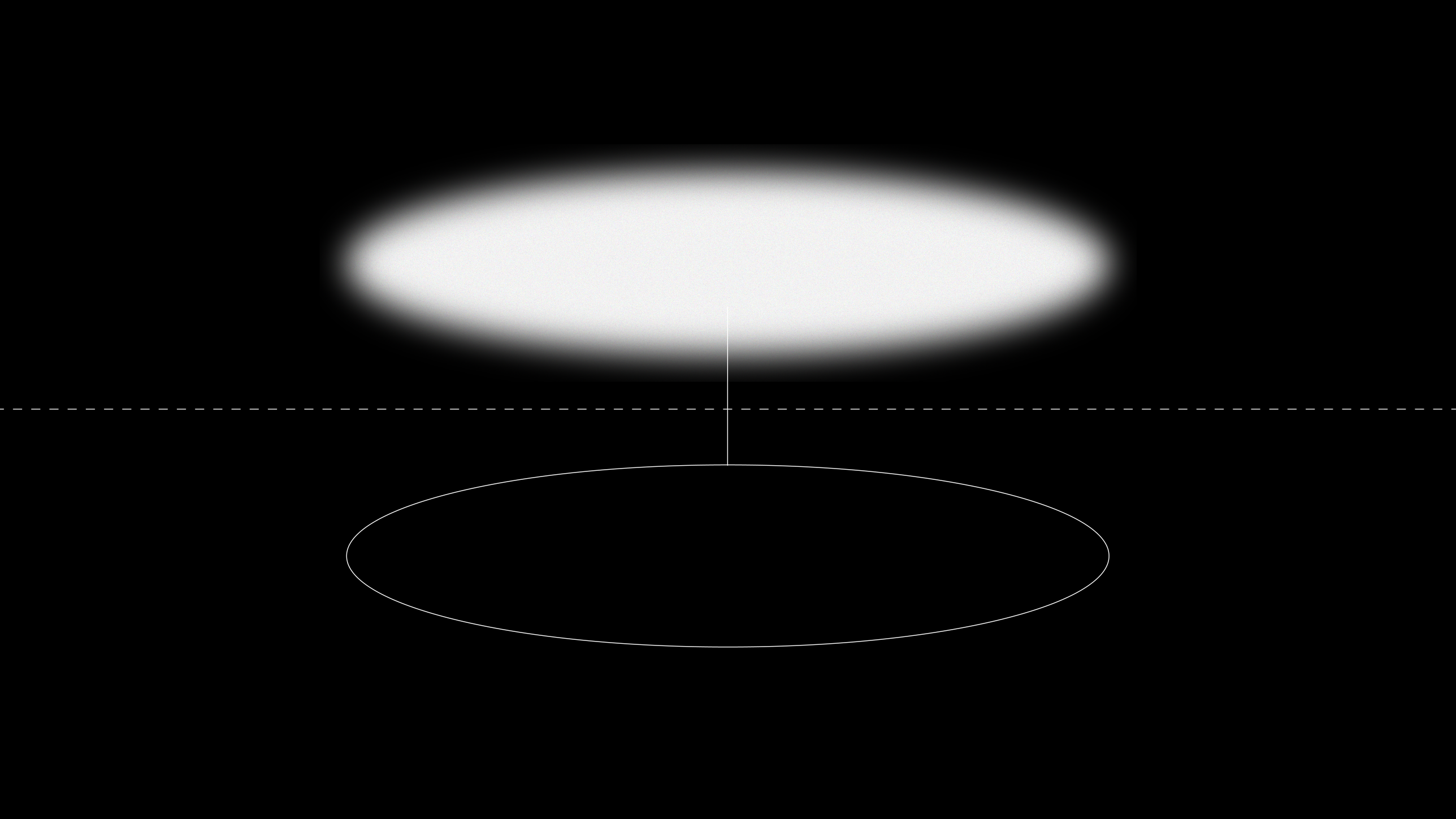

-9000
-8000
-7000
-6000
-5000
-4000
-3000
-2000
-1000
0
1000
1824
1924
2024
2124
EXCAVATION ON ANCHOR SIDE (MCM)
(MCM)
SIZE OF THE ANCHORAGE (MM)
CAPACITY OF THE ANCHORAGE (MN)
(MN/m)
1.000.000 PM

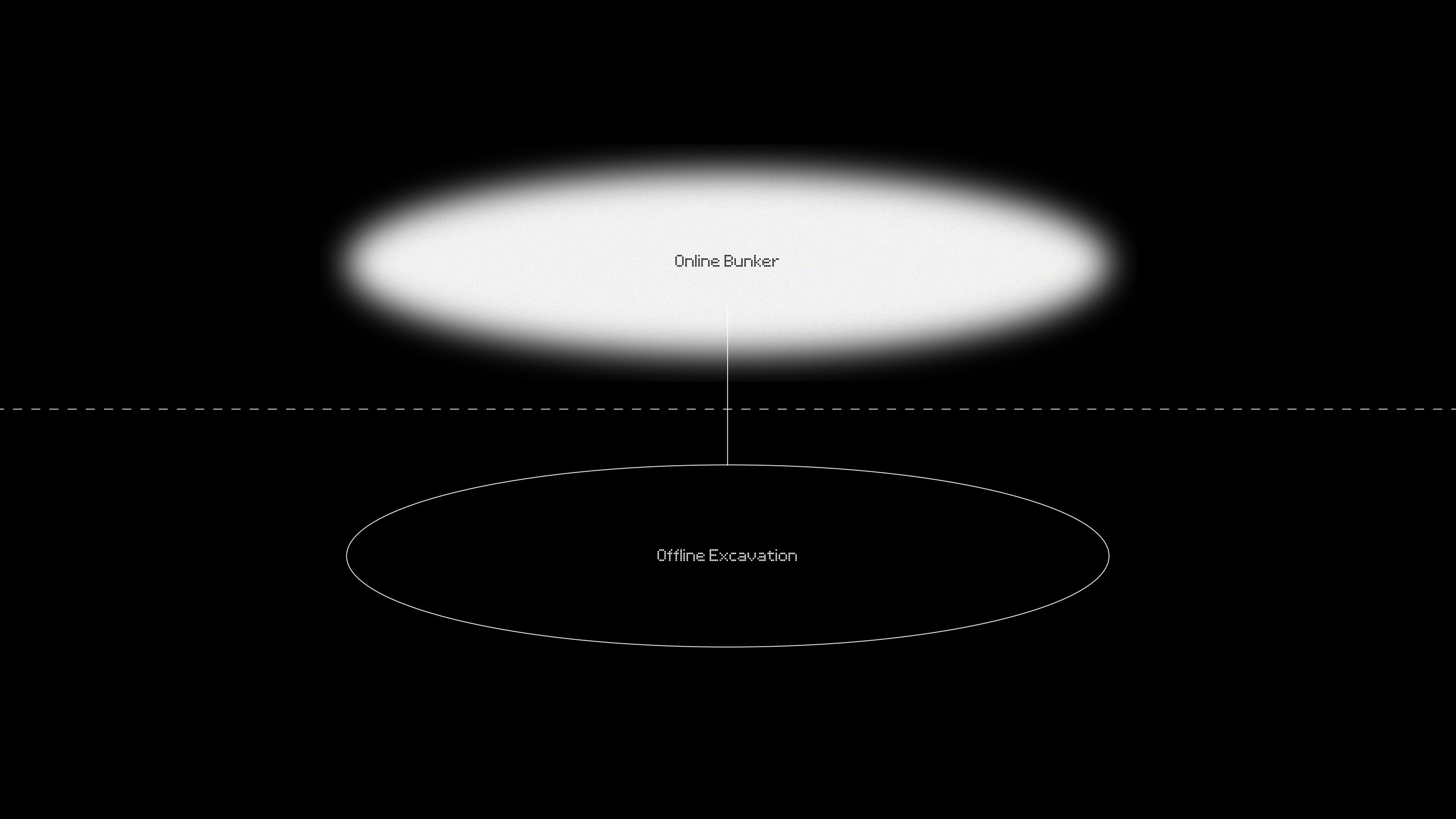








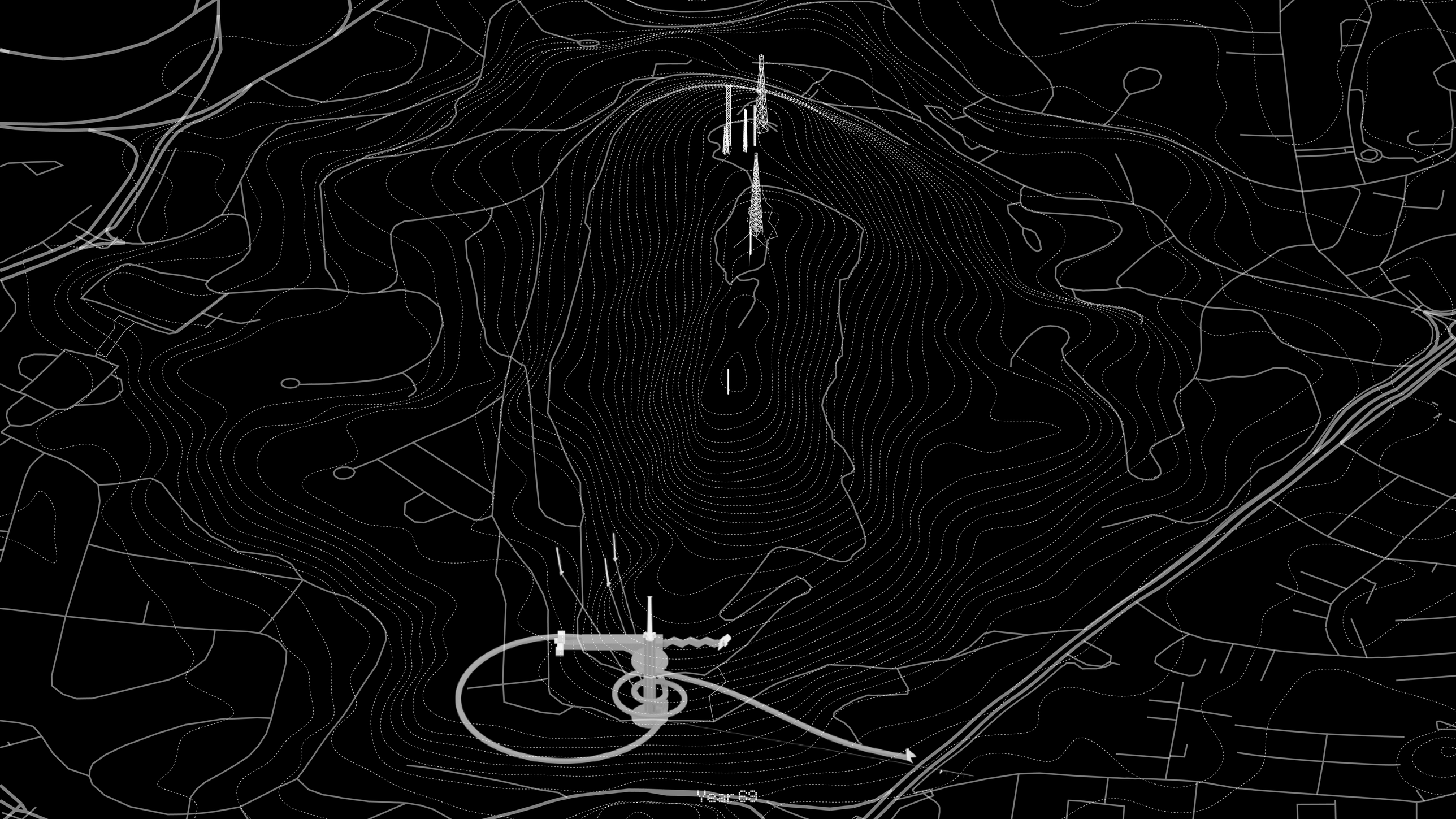


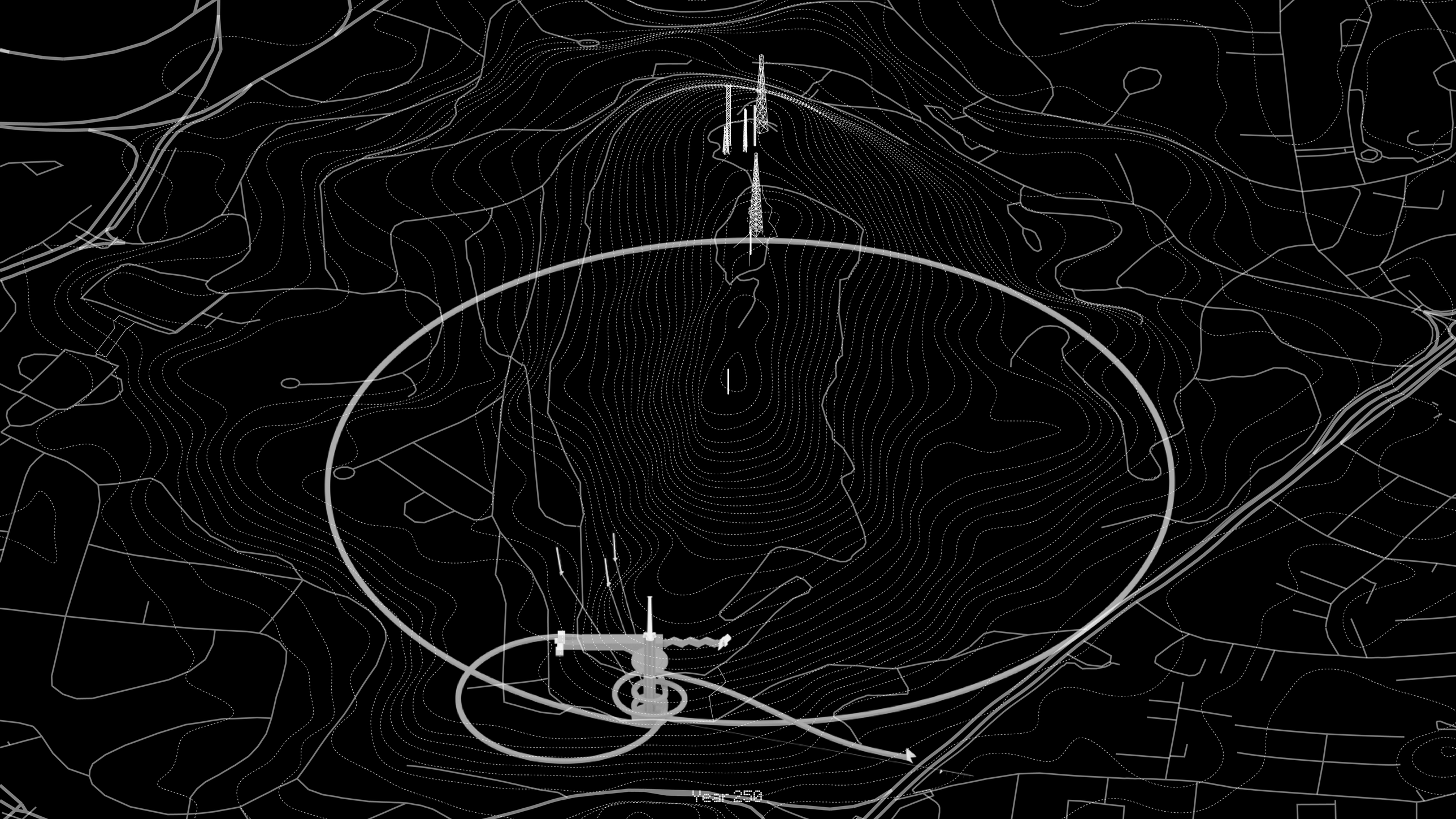

Online Bunker
Offline Excavation

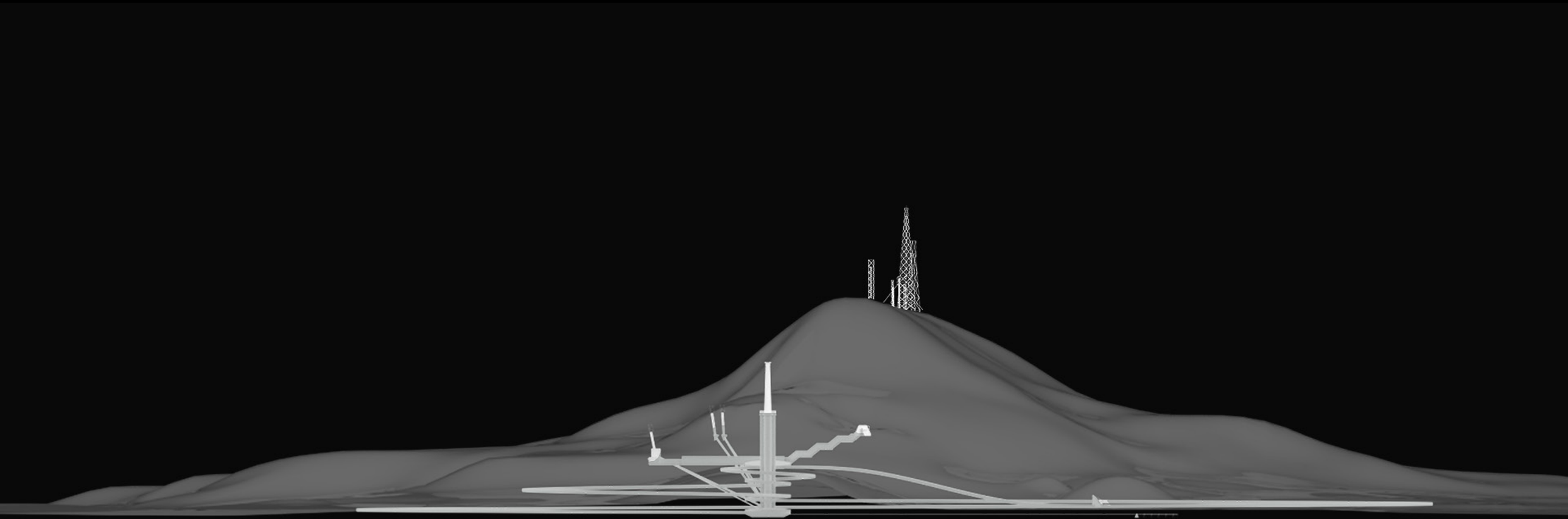

Existing



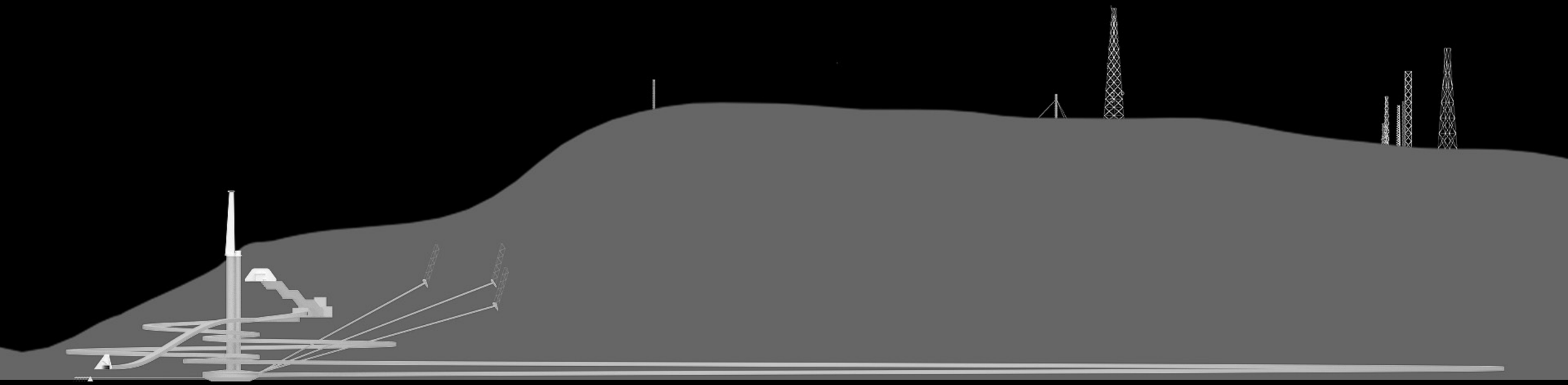

Year 15


Year 50

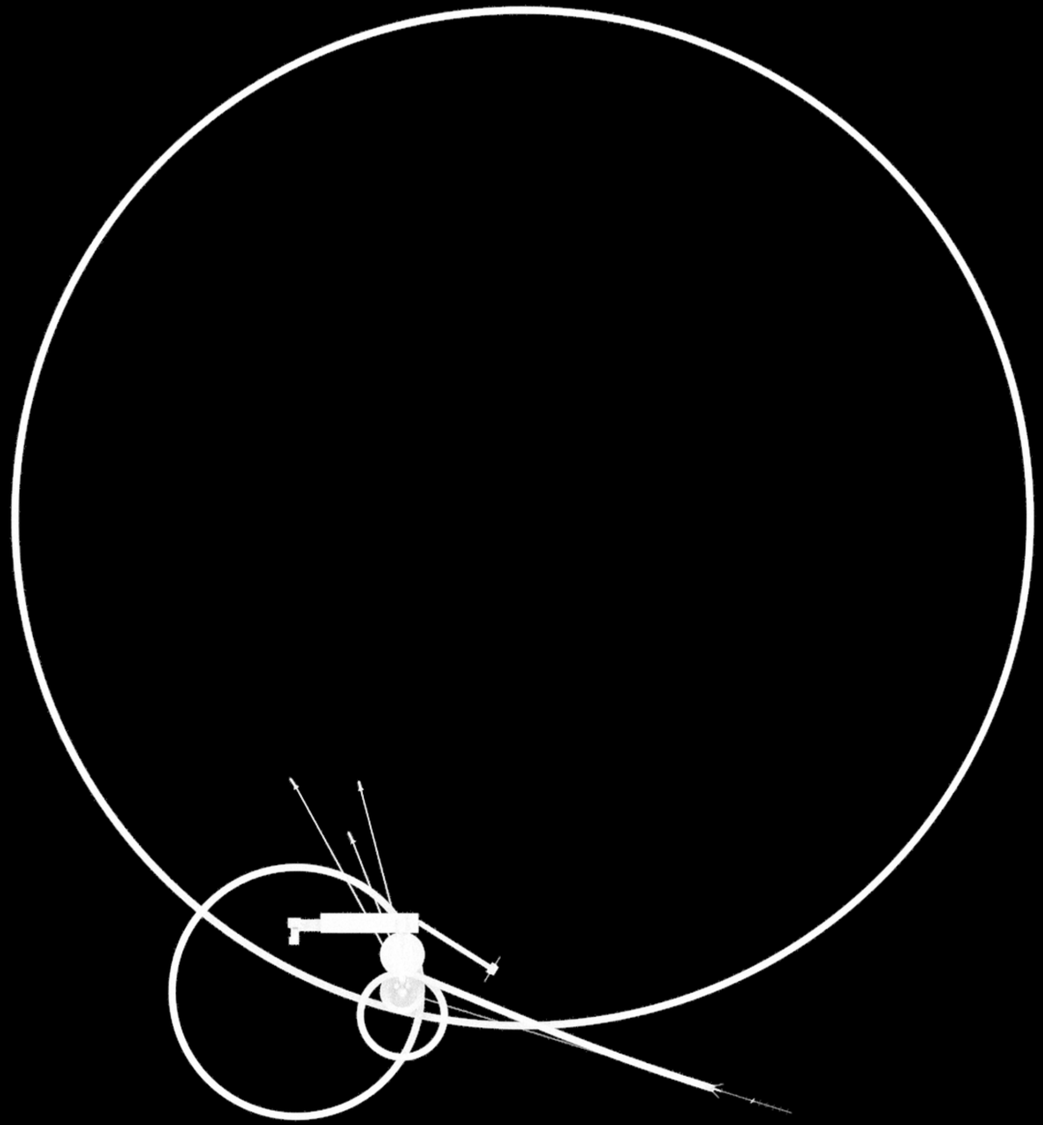

Rest 250



South Elevation



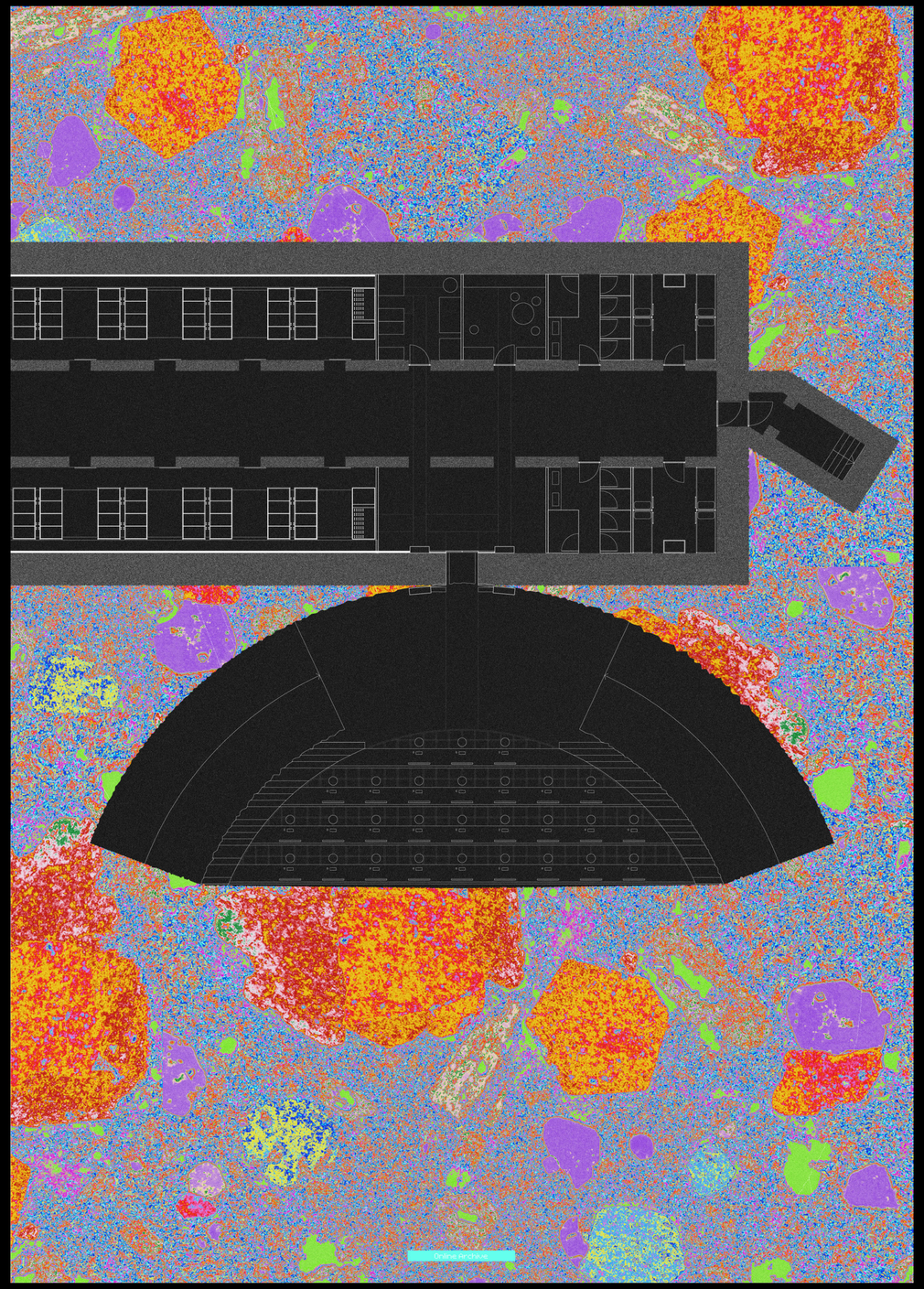
East Elevation







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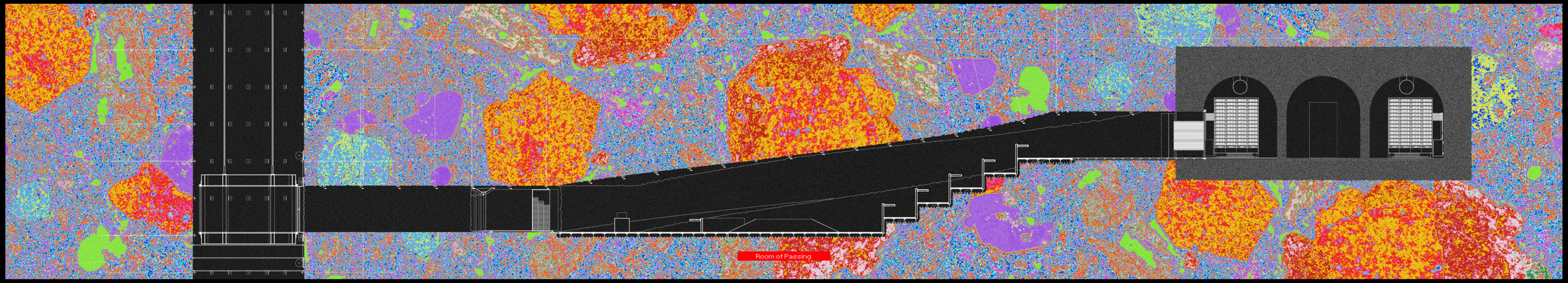
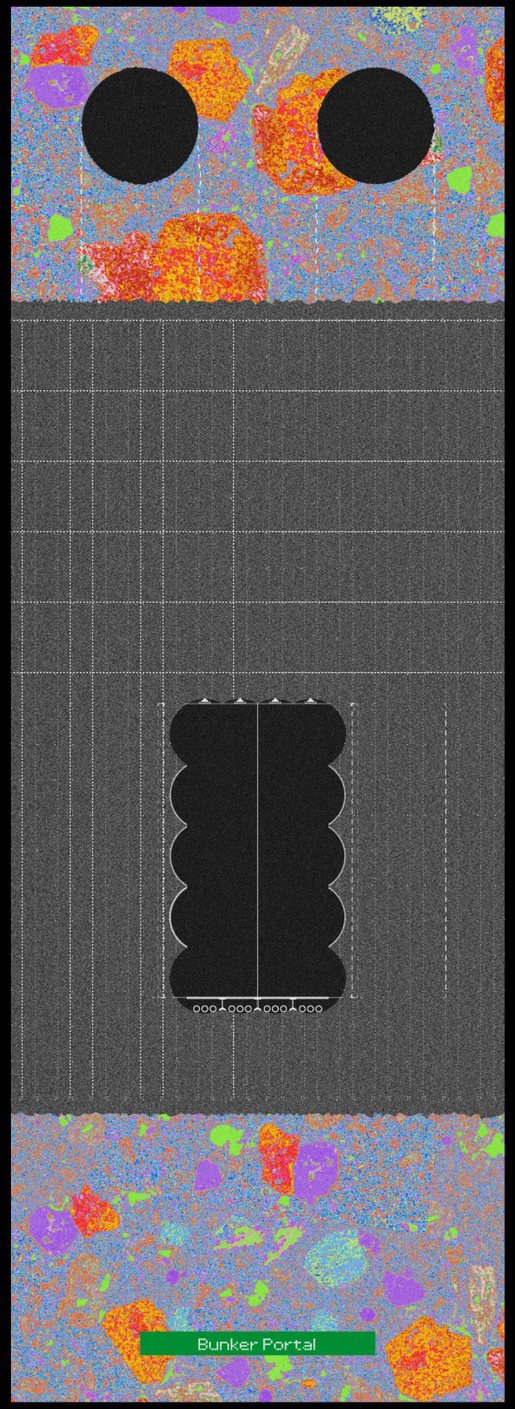
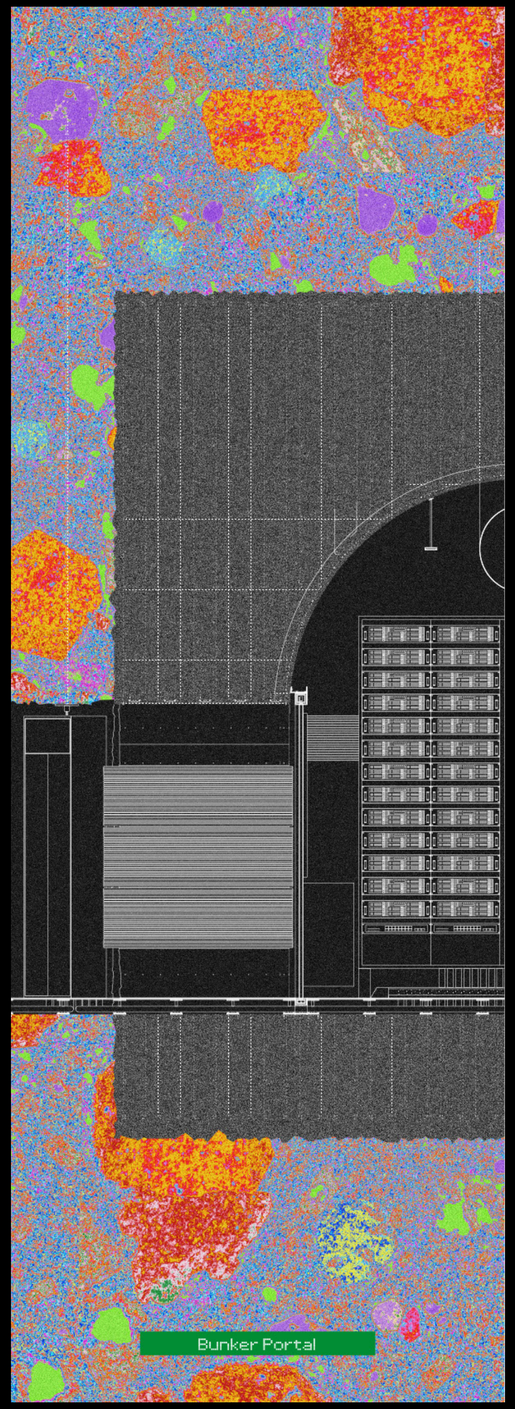
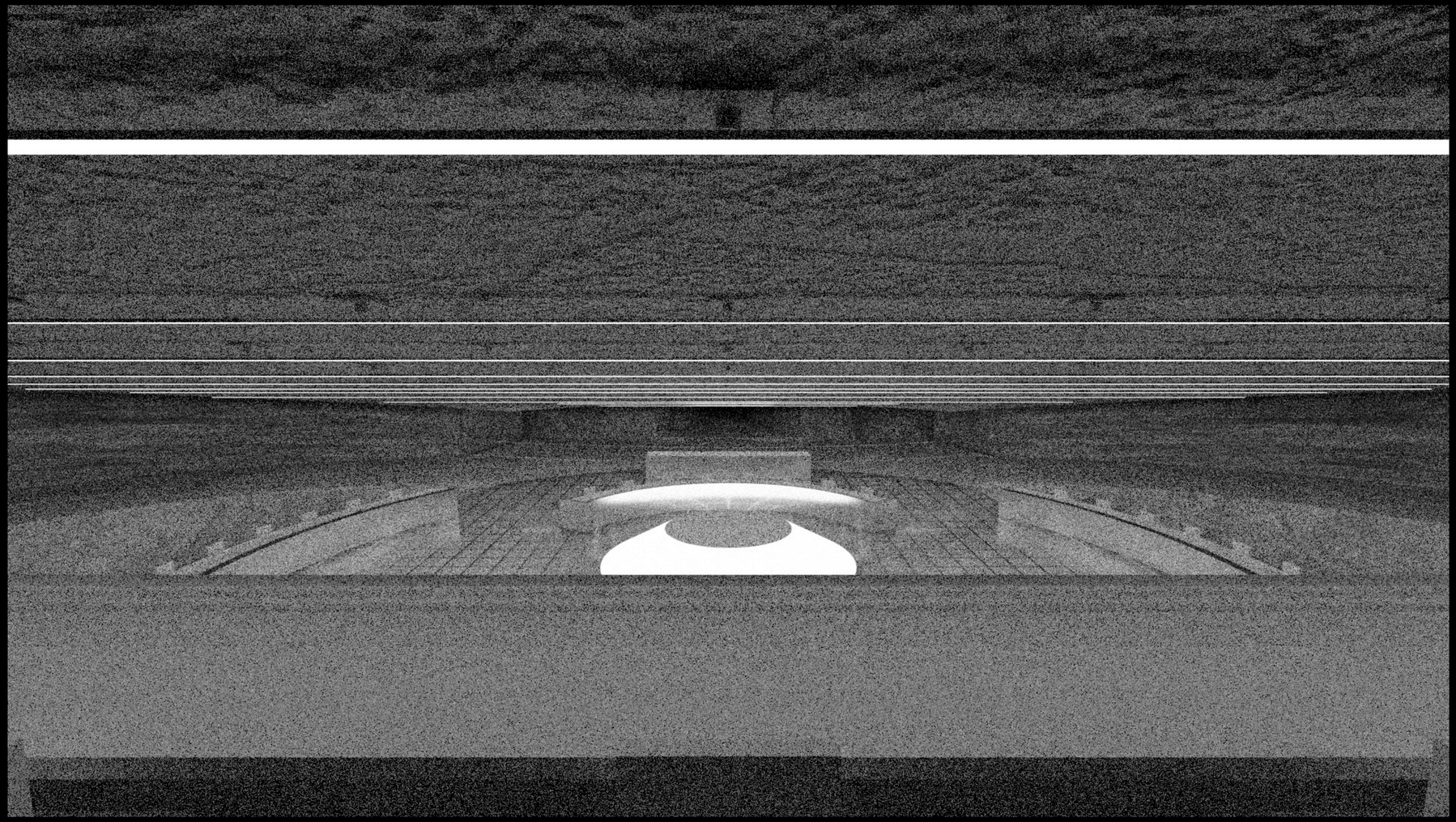
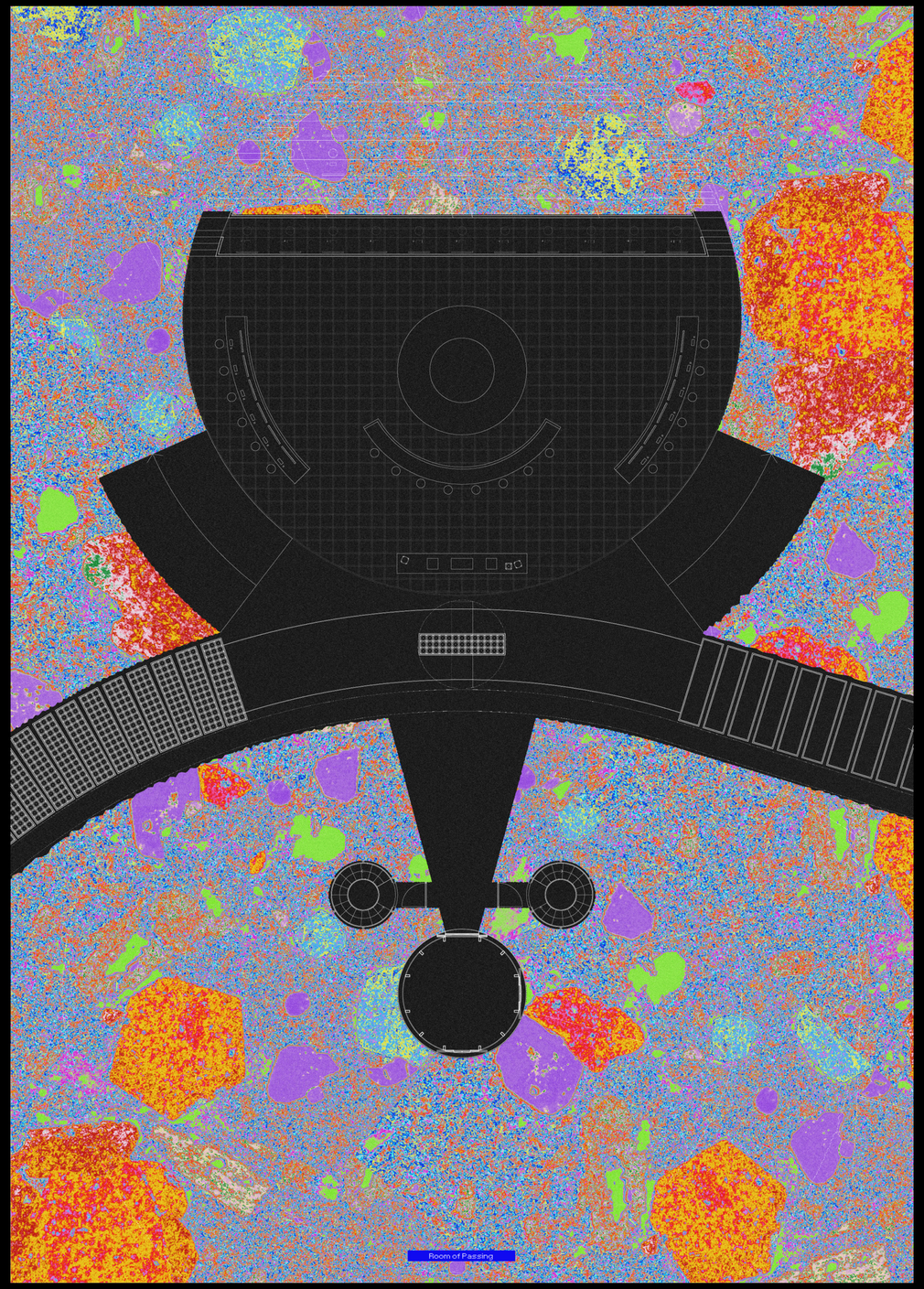

Room of Passing


Bunker Portal


Bunker Portal

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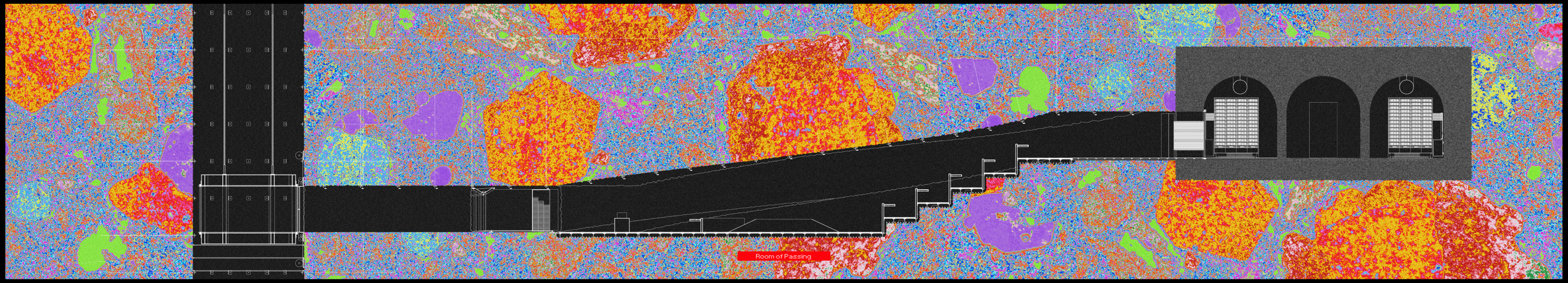
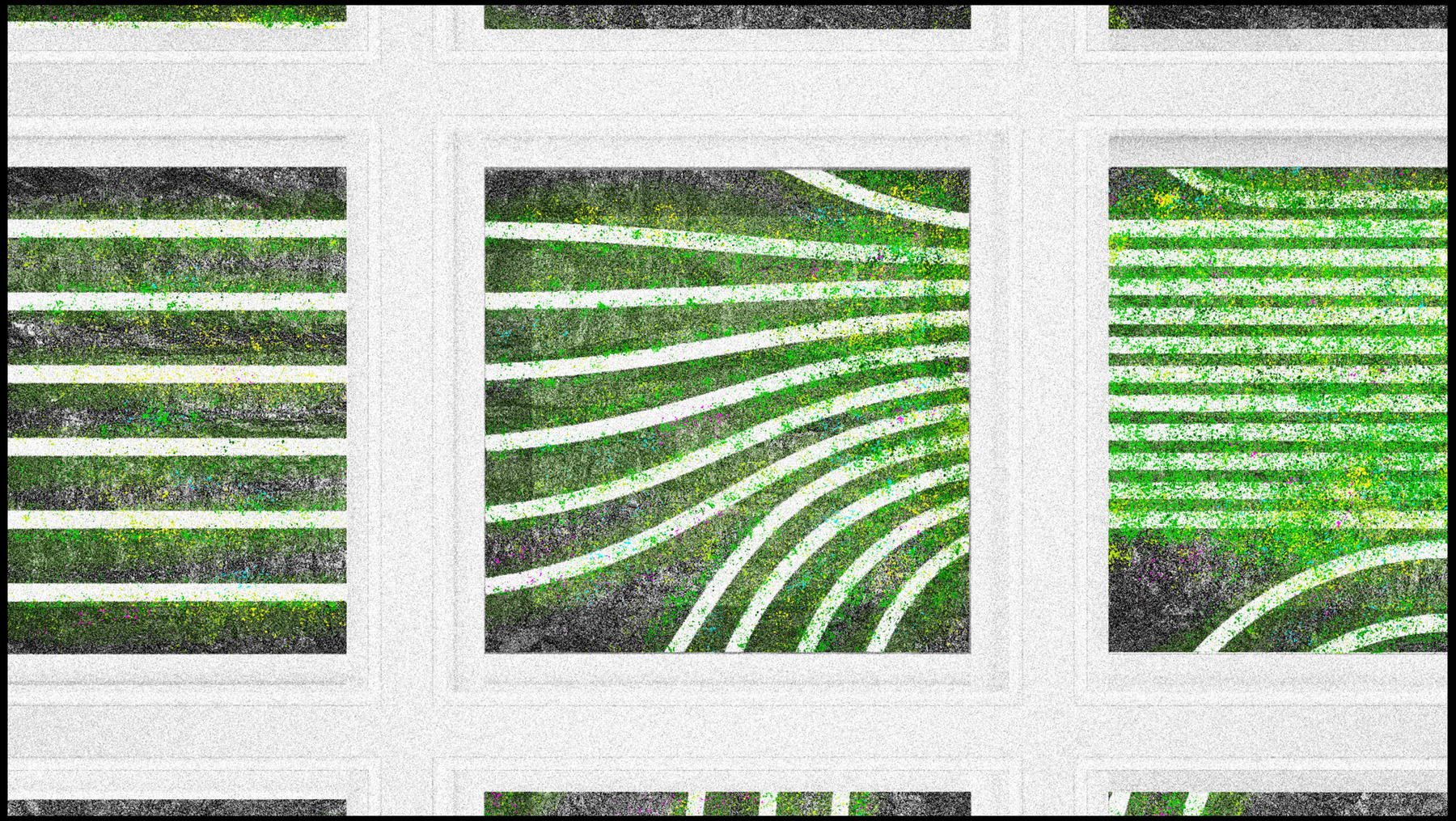
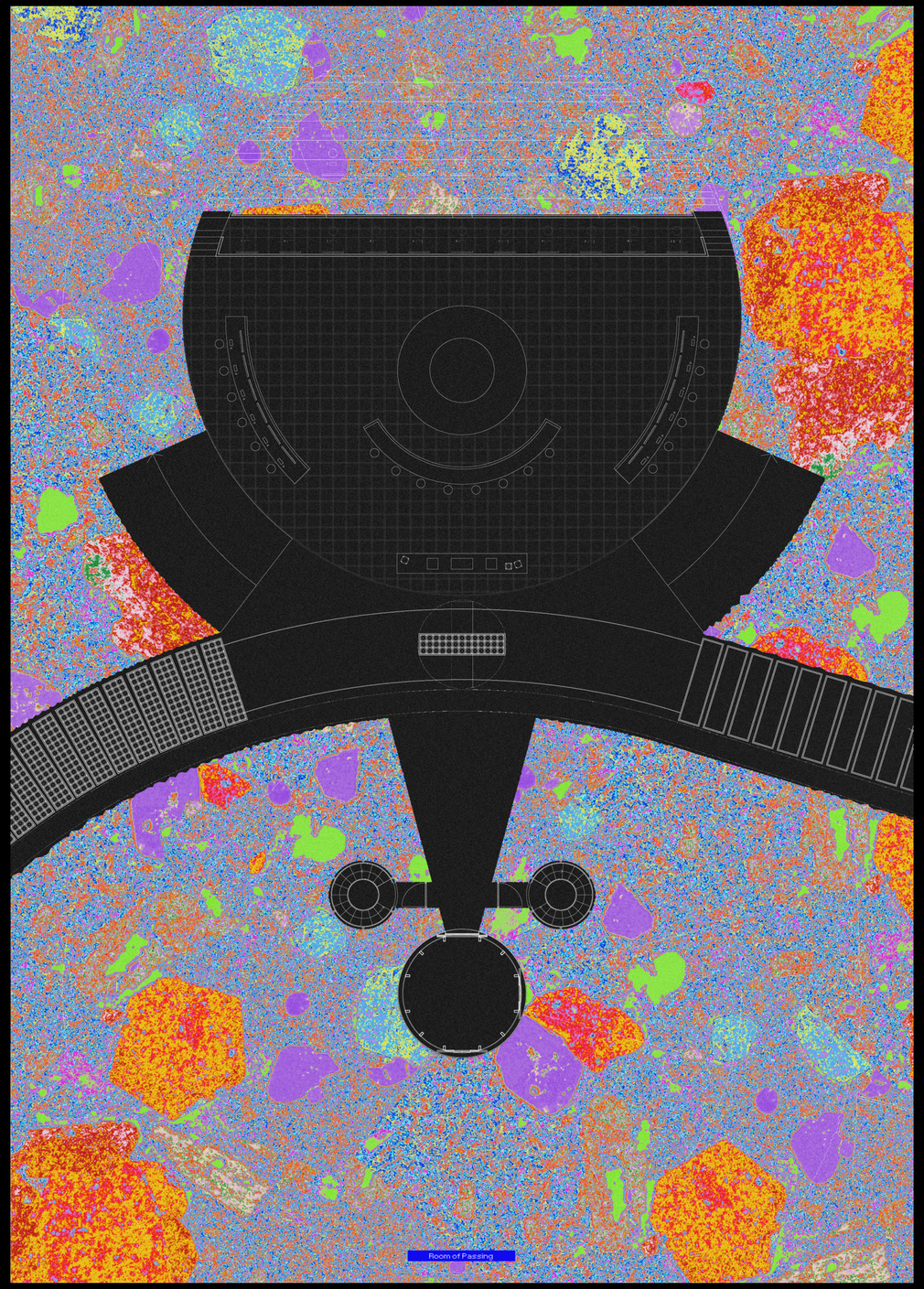
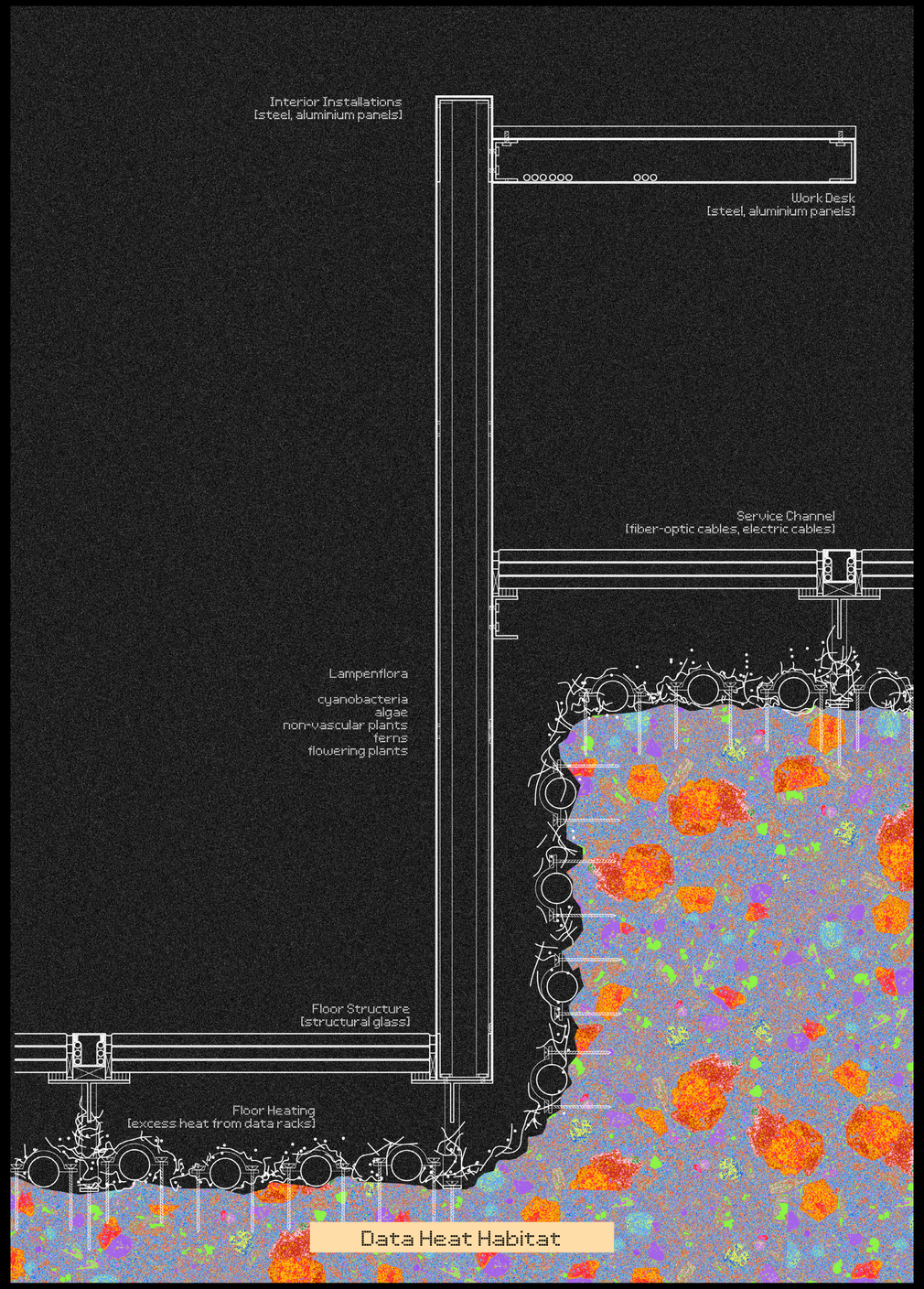
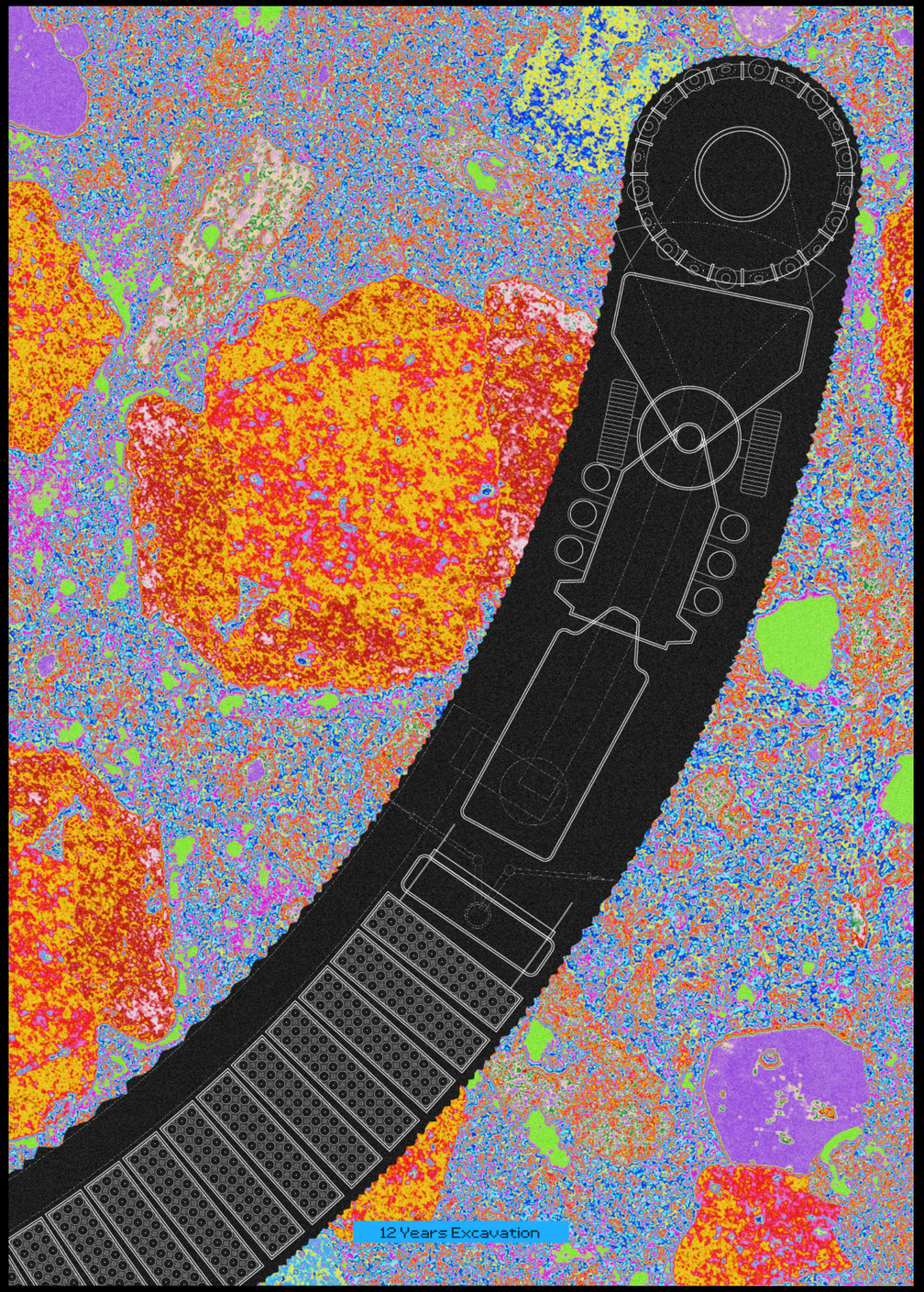

Room of Passing

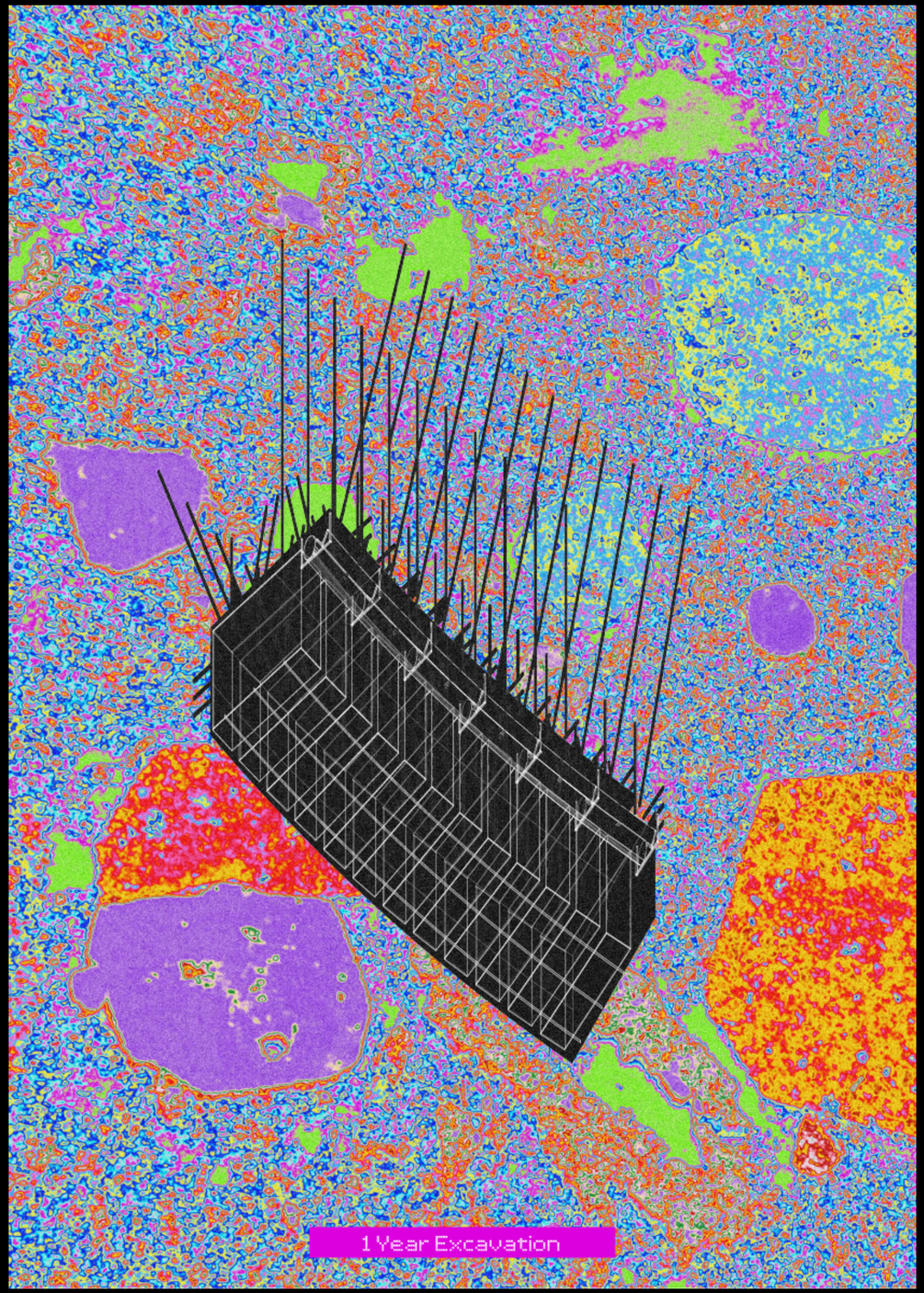


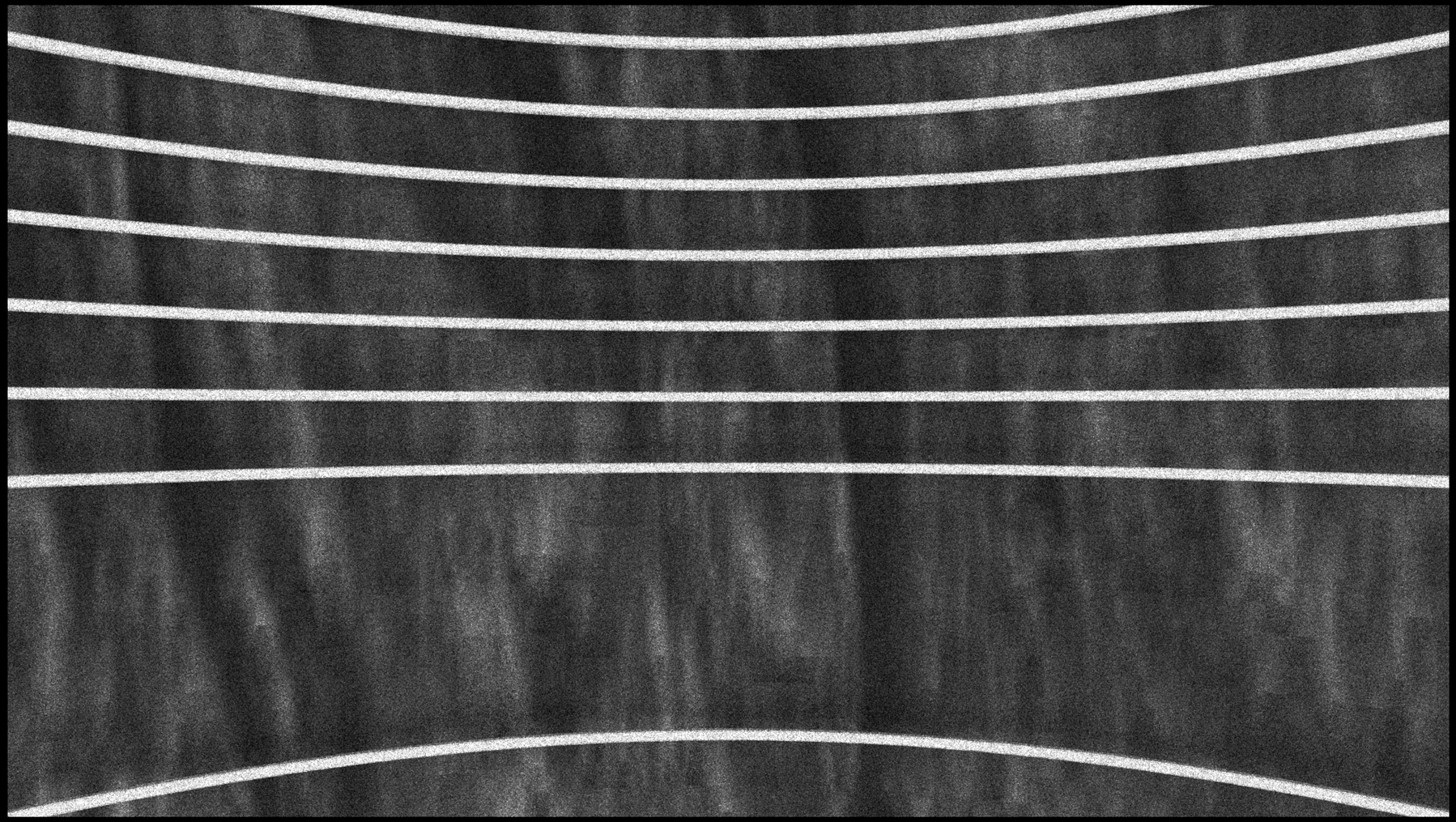

Room of Passing

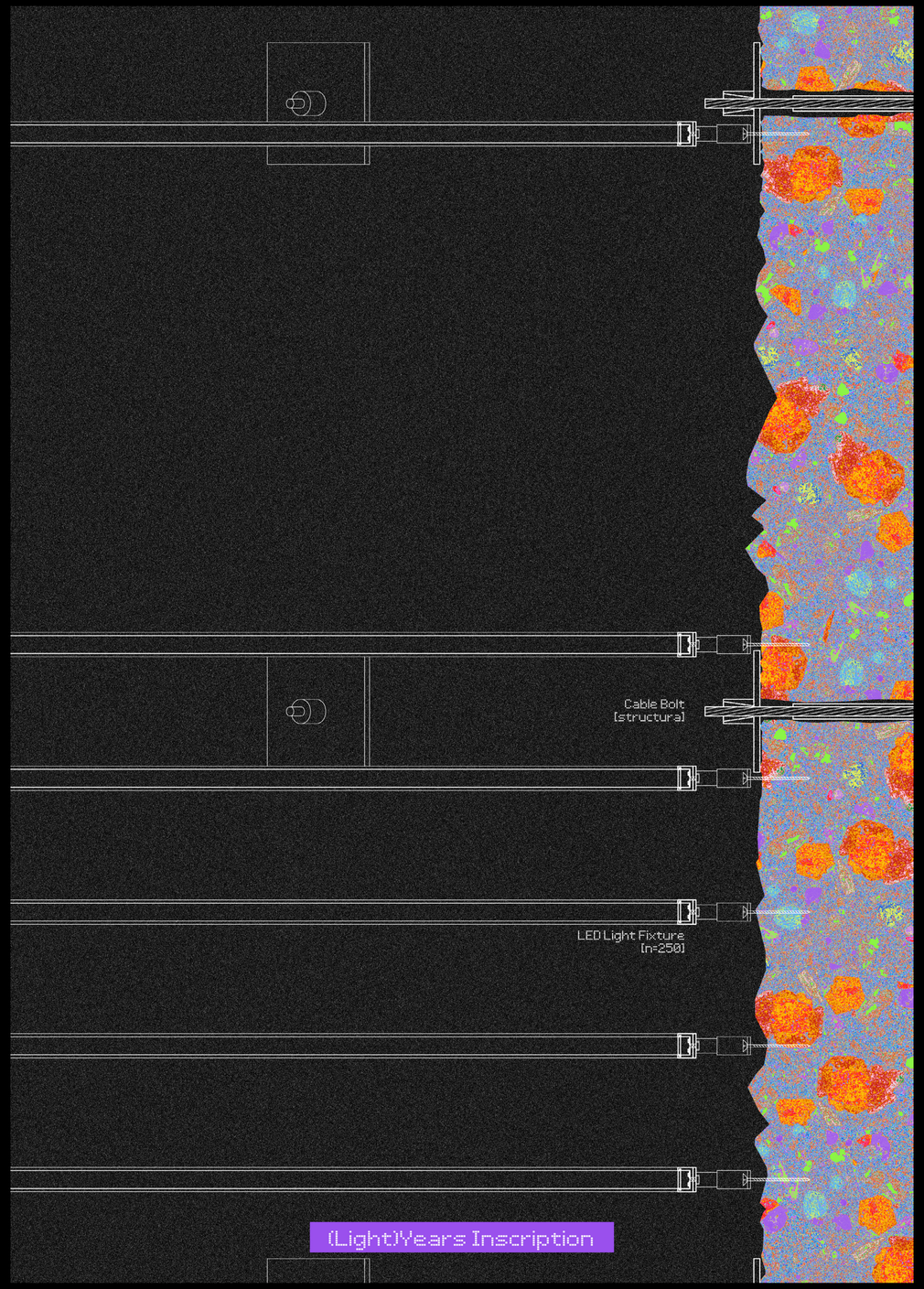

Interior Installations
[steel, aluminium panels]
Work Desk
[steel, aluminium panels]
Service Channel
[fiber-optic cables, electric cables]
Lampenflora
cyanobacteria
algae
non-vascular plants
ferns
flowering plants
Floor Structure
[structural glass]
Floor Heating
[excess heat from data racks]
Data Heat Habitat

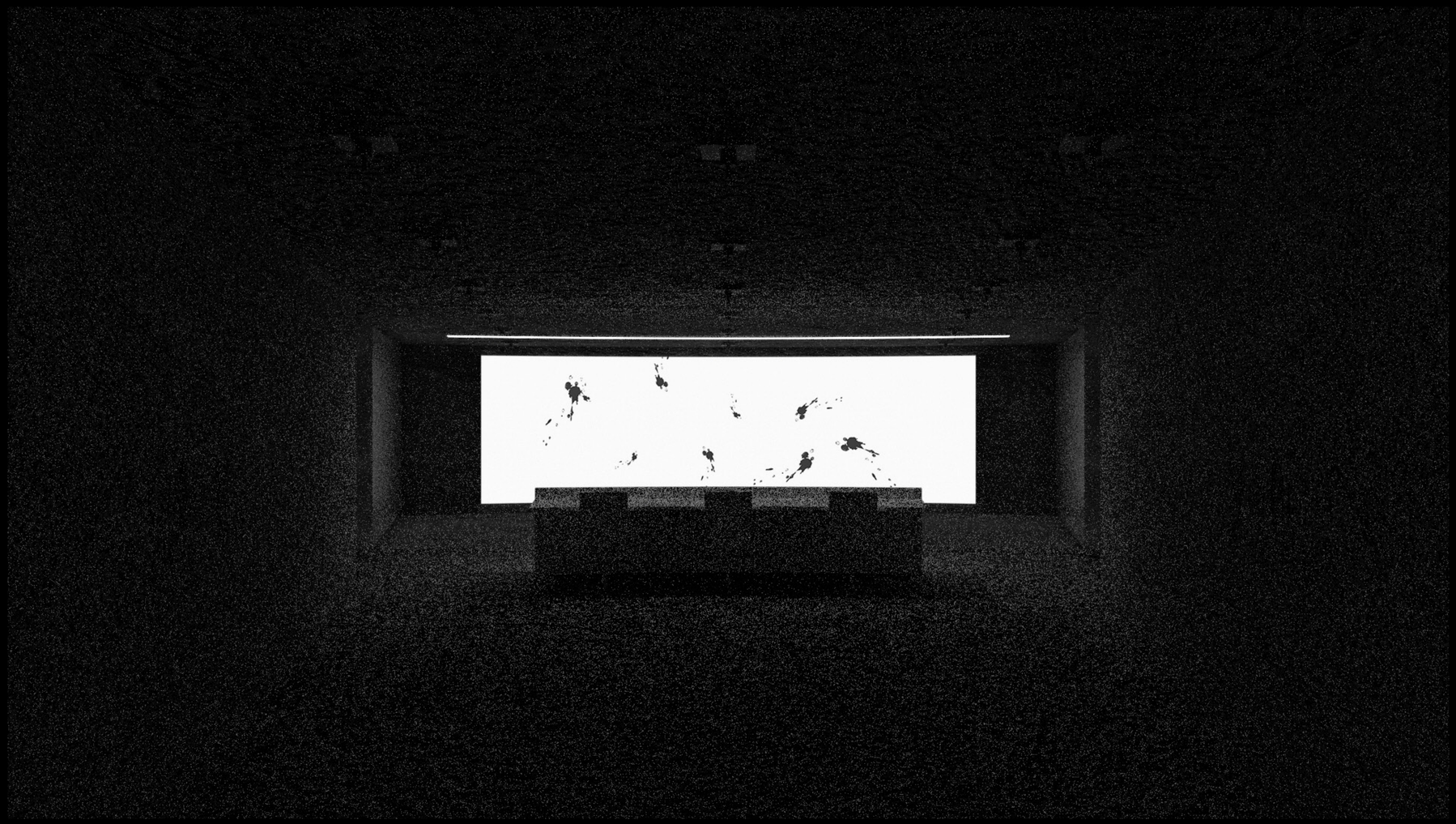


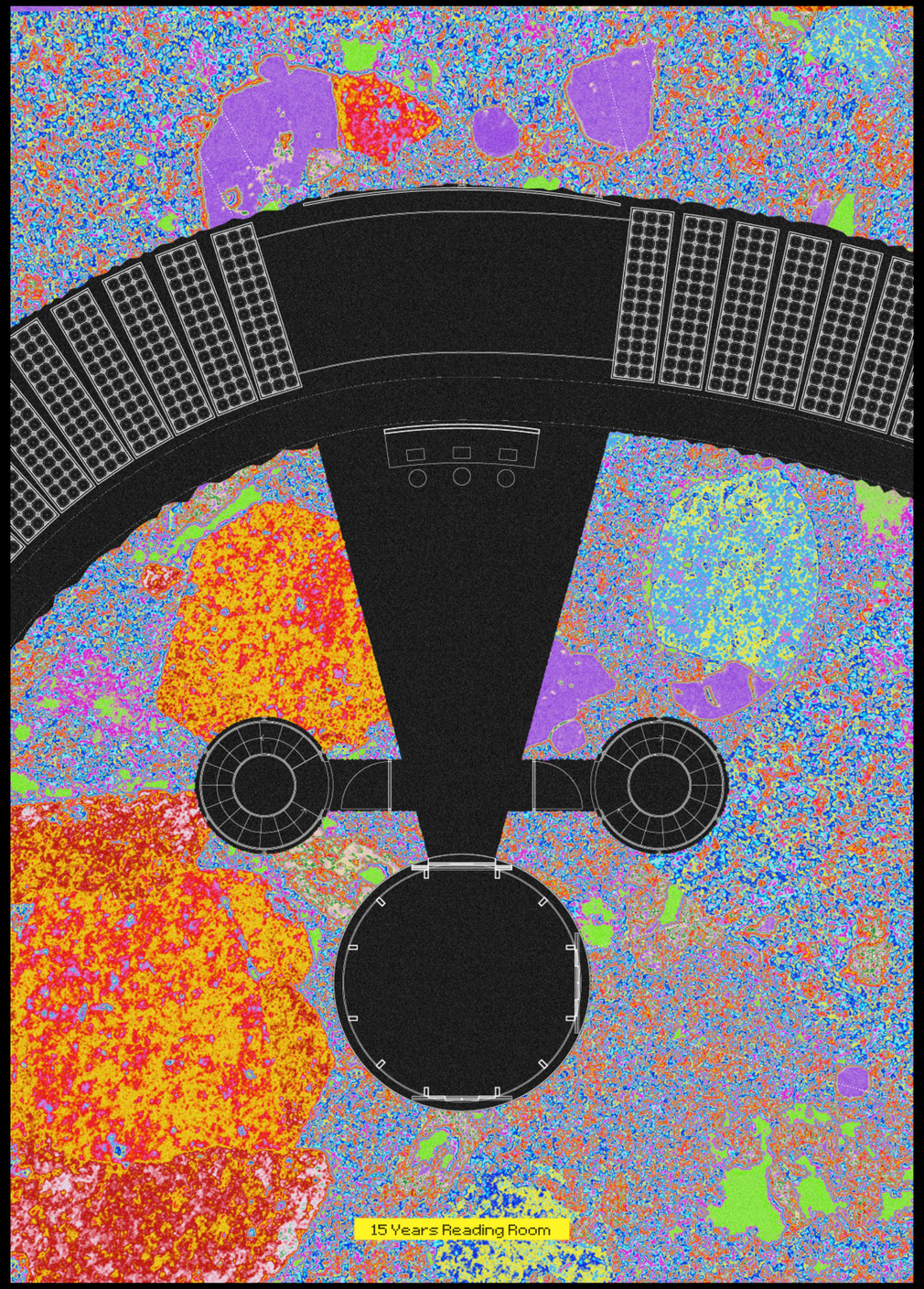

12 Years Excavation

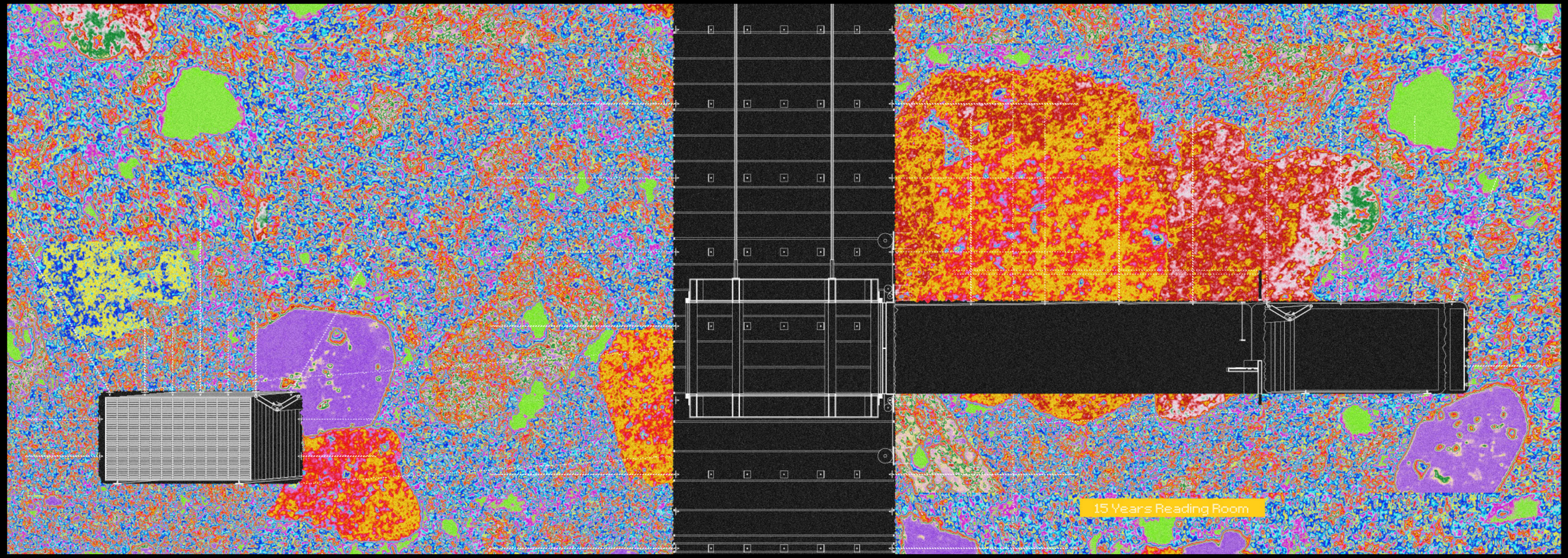

1 Year Excavation

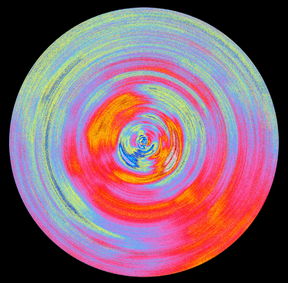



Cable Bolt
[structura]
LED Light Fixture
[n=250]
(Light)Years Inscription

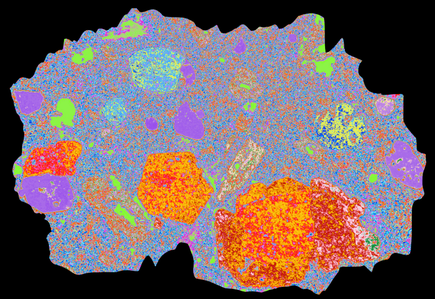



15 Years Reading Room

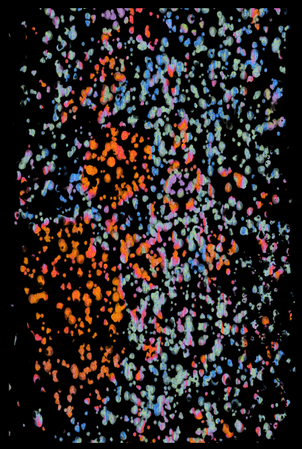

15 Years Reading Room



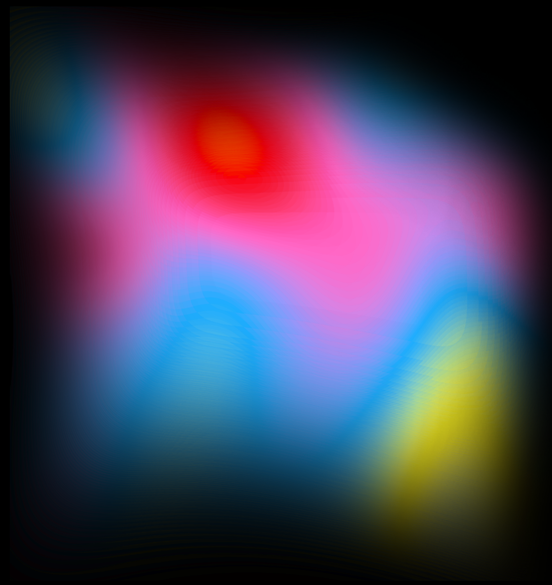
2.106.000 GB



203 m³

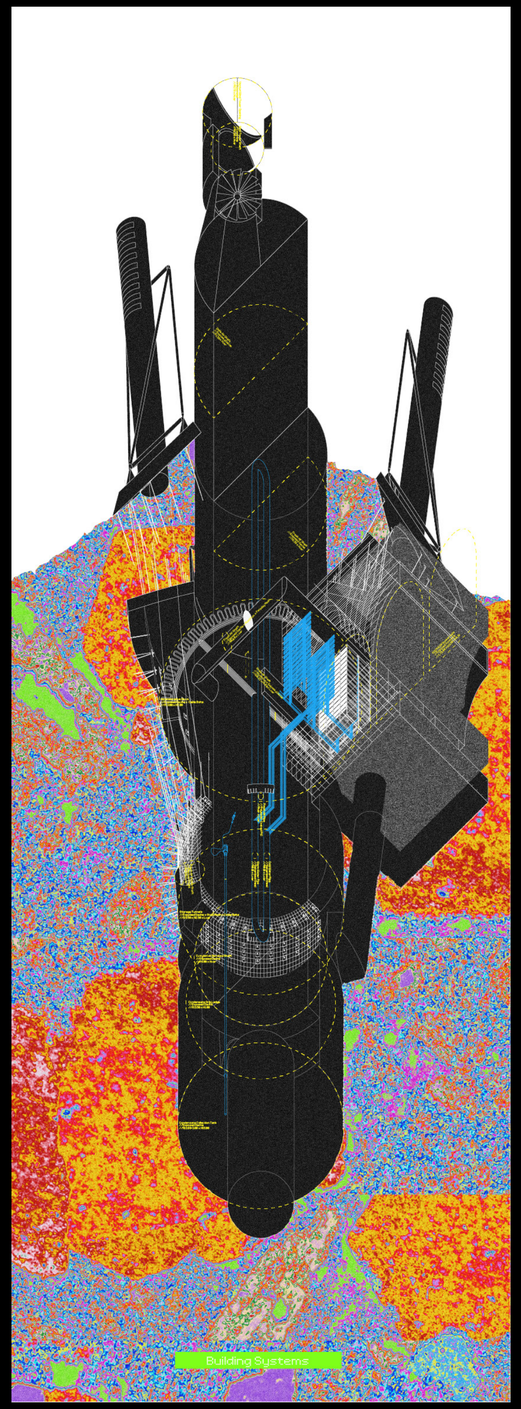


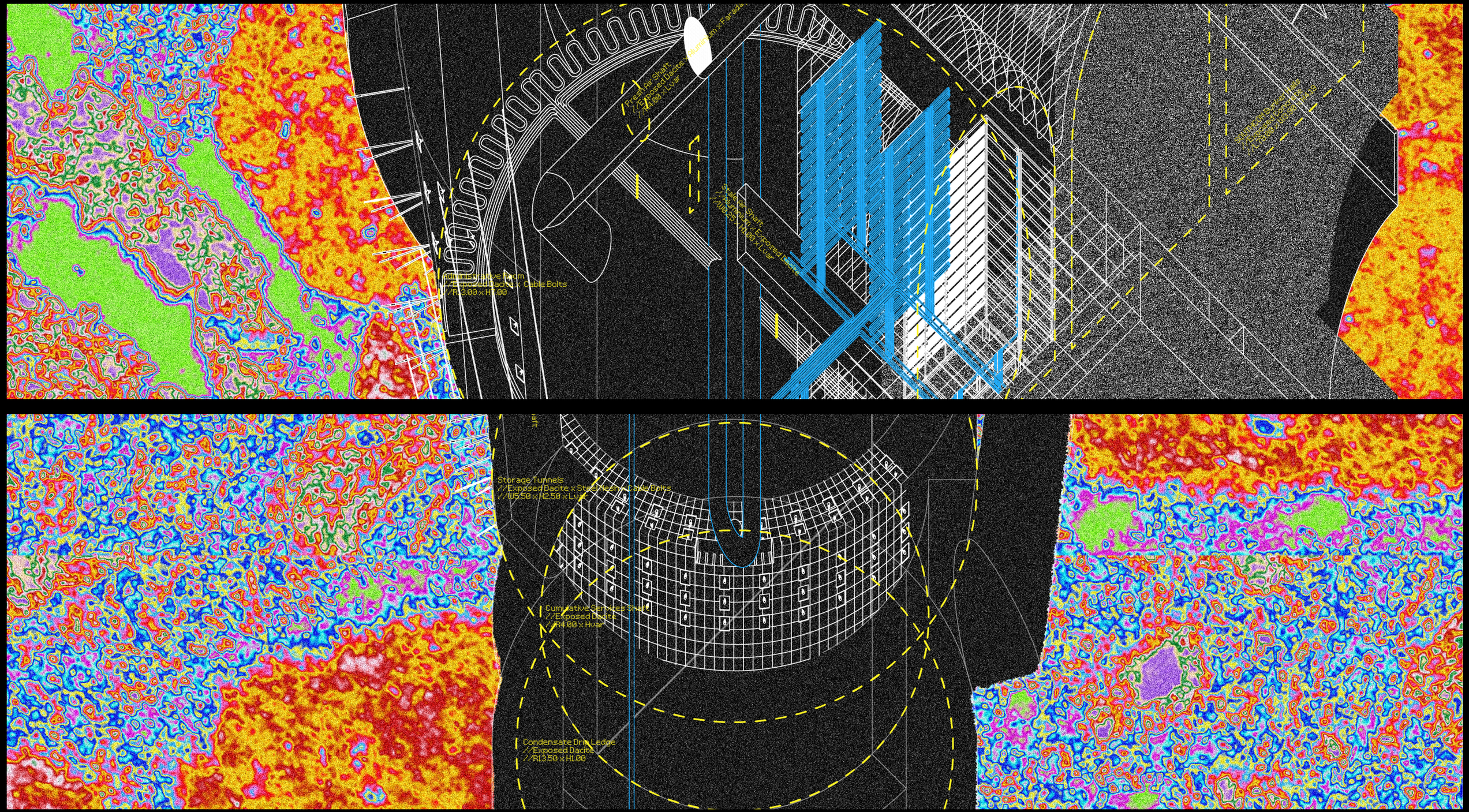
810.643 l

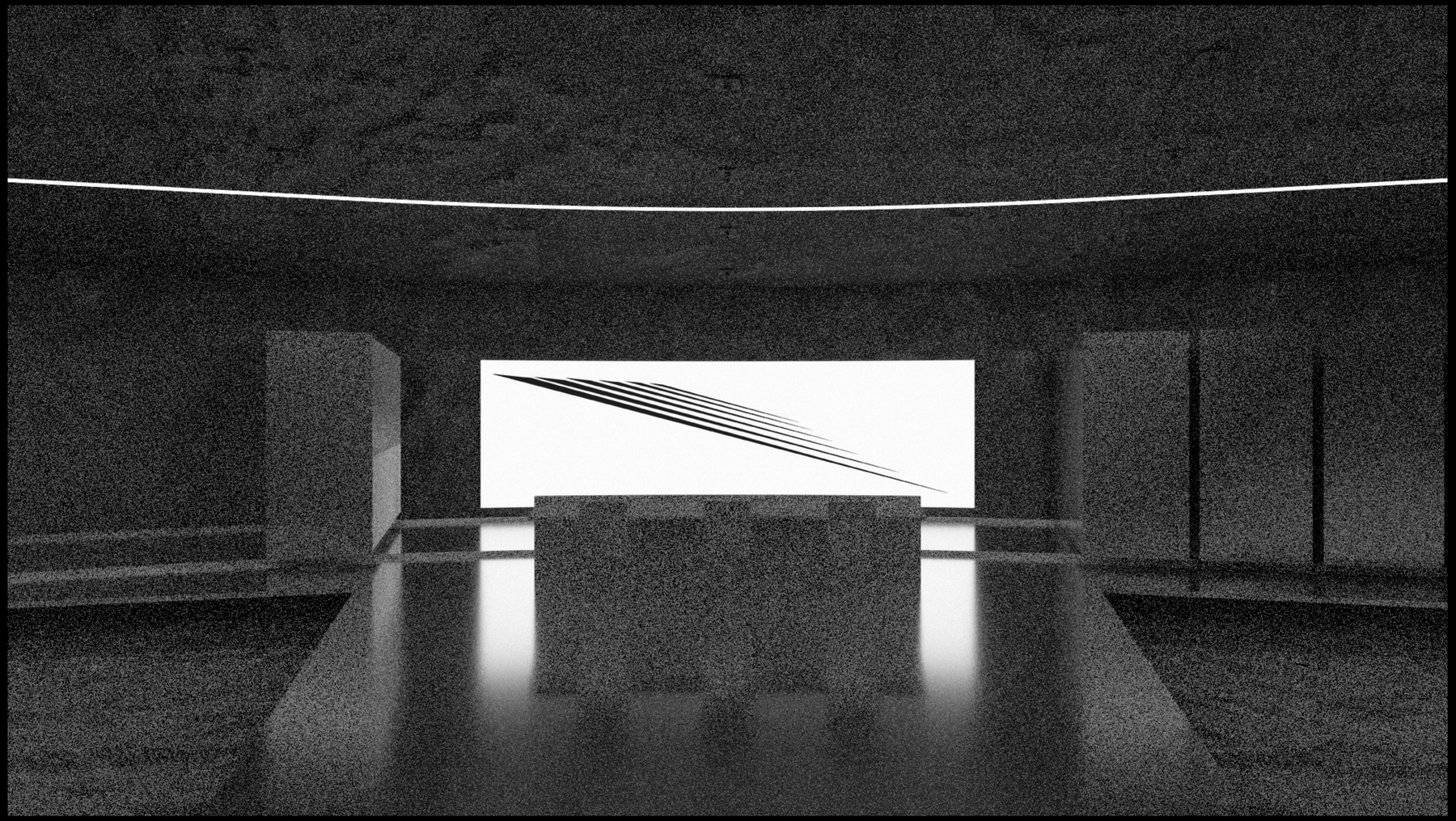


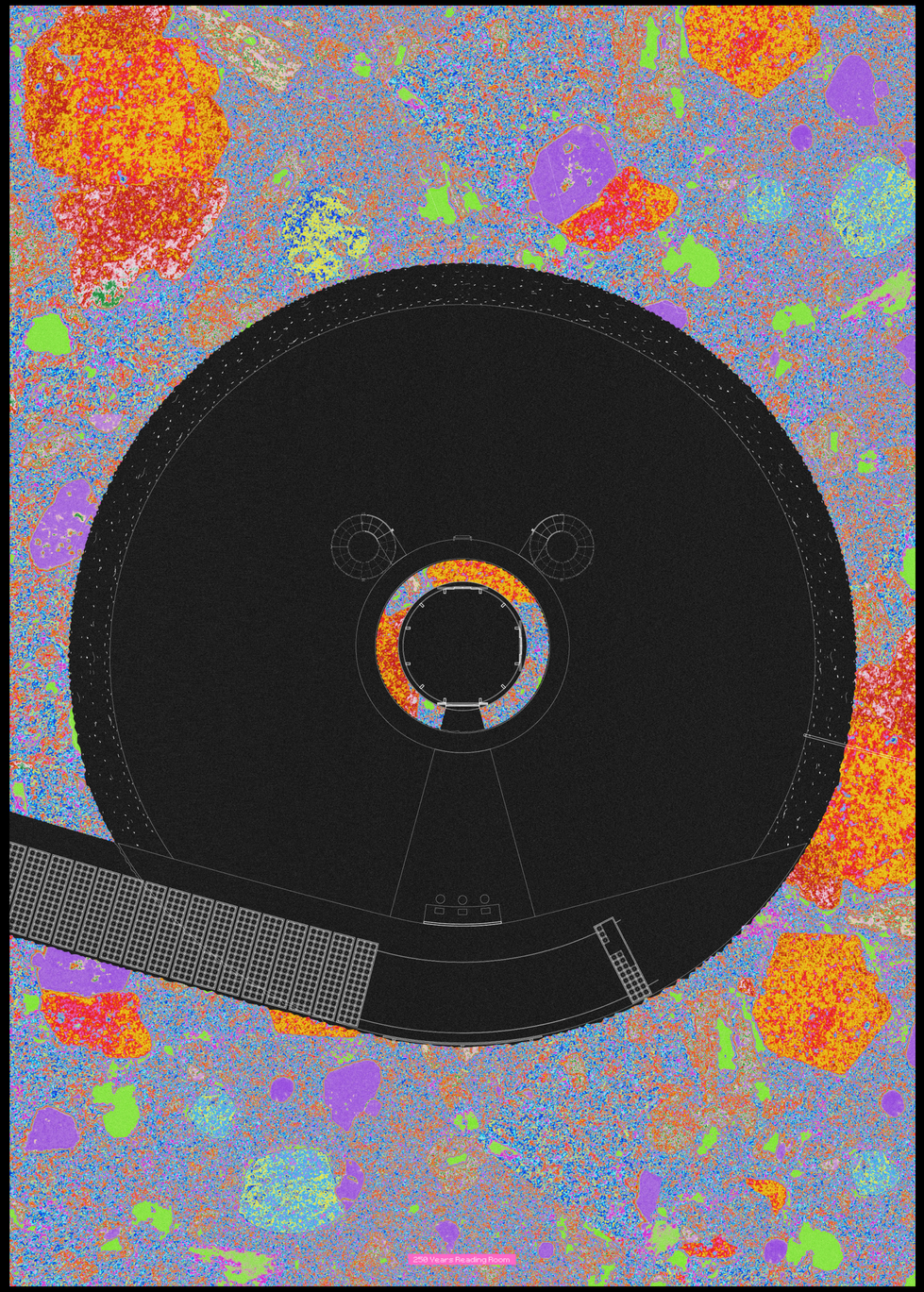
779.464.800 m³

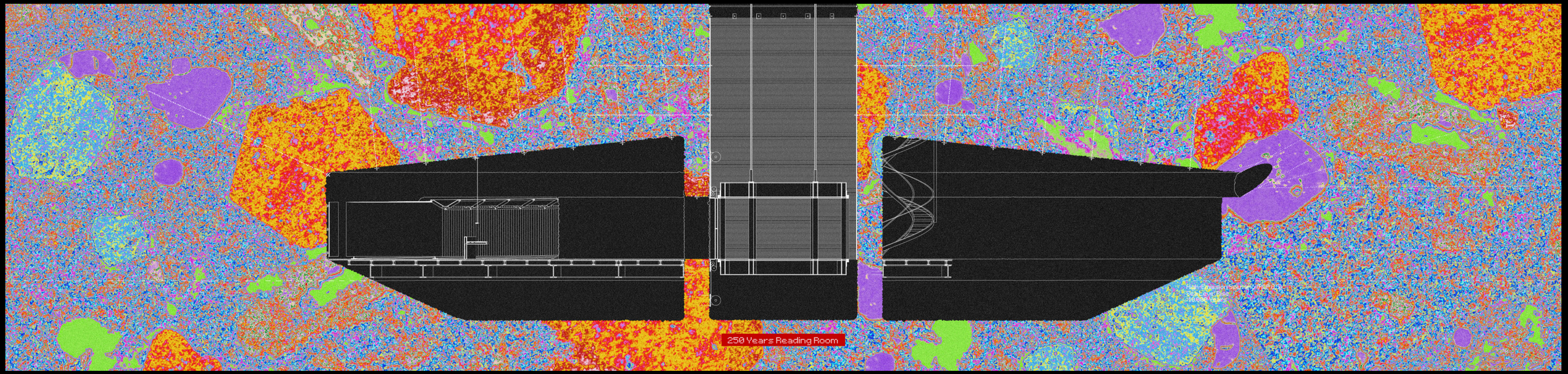
Annual Material Flux

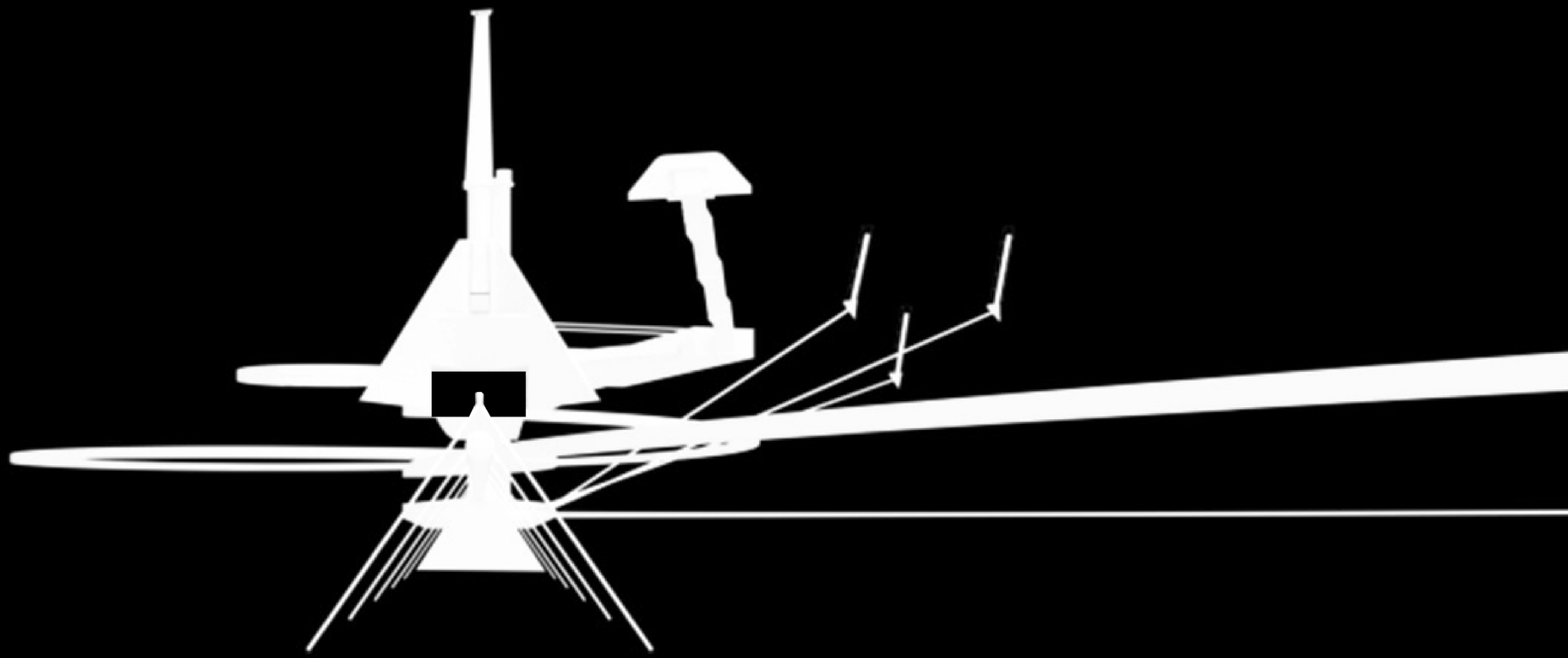

Building Systems

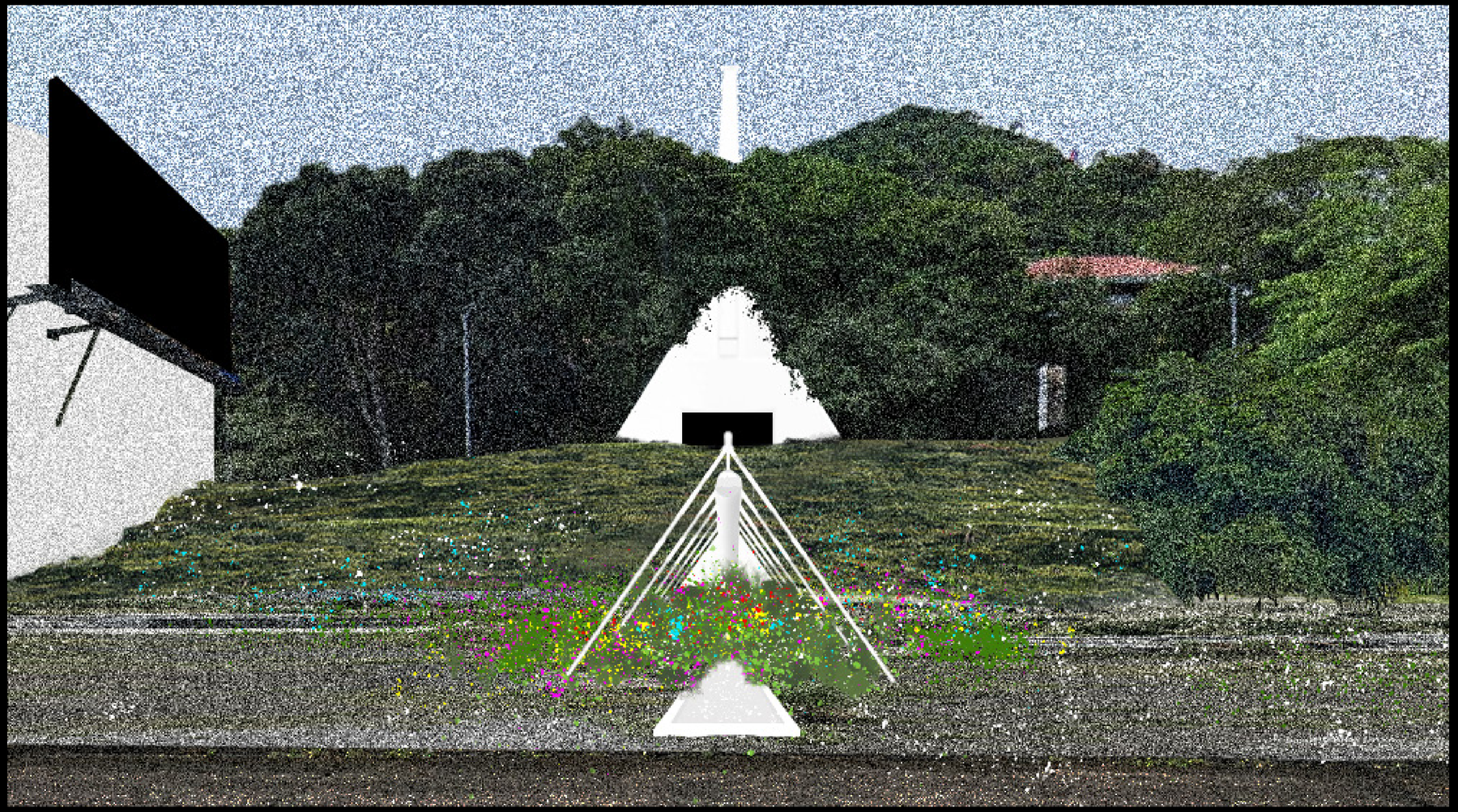

Storage Tunnels
//Exposed Dacite x Steel Mesh x Cable Bolts
//W5.50 x H2.50 x Lvar
Cumulative Services Shaft
//Exposed Dacite
//R4.00 x Hvar
Condensate Drip Ledge
//Exposed Dacite
//R13.50 x H1.00

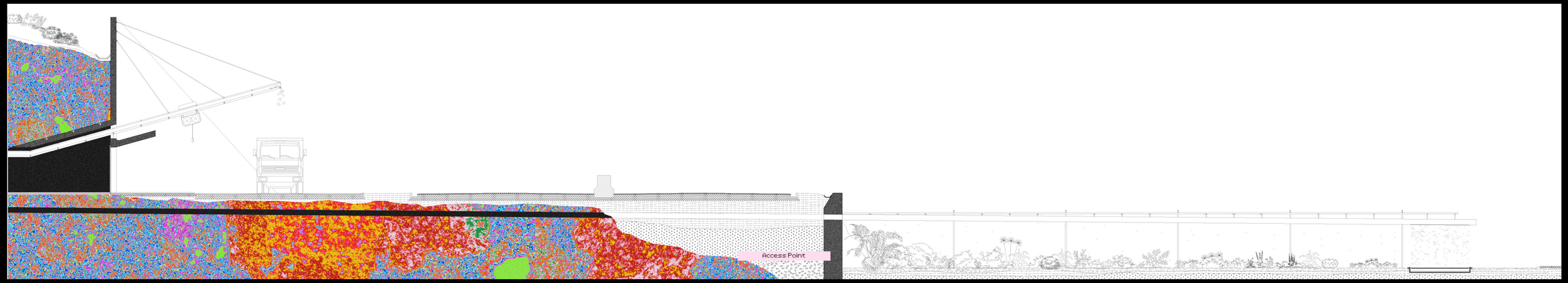


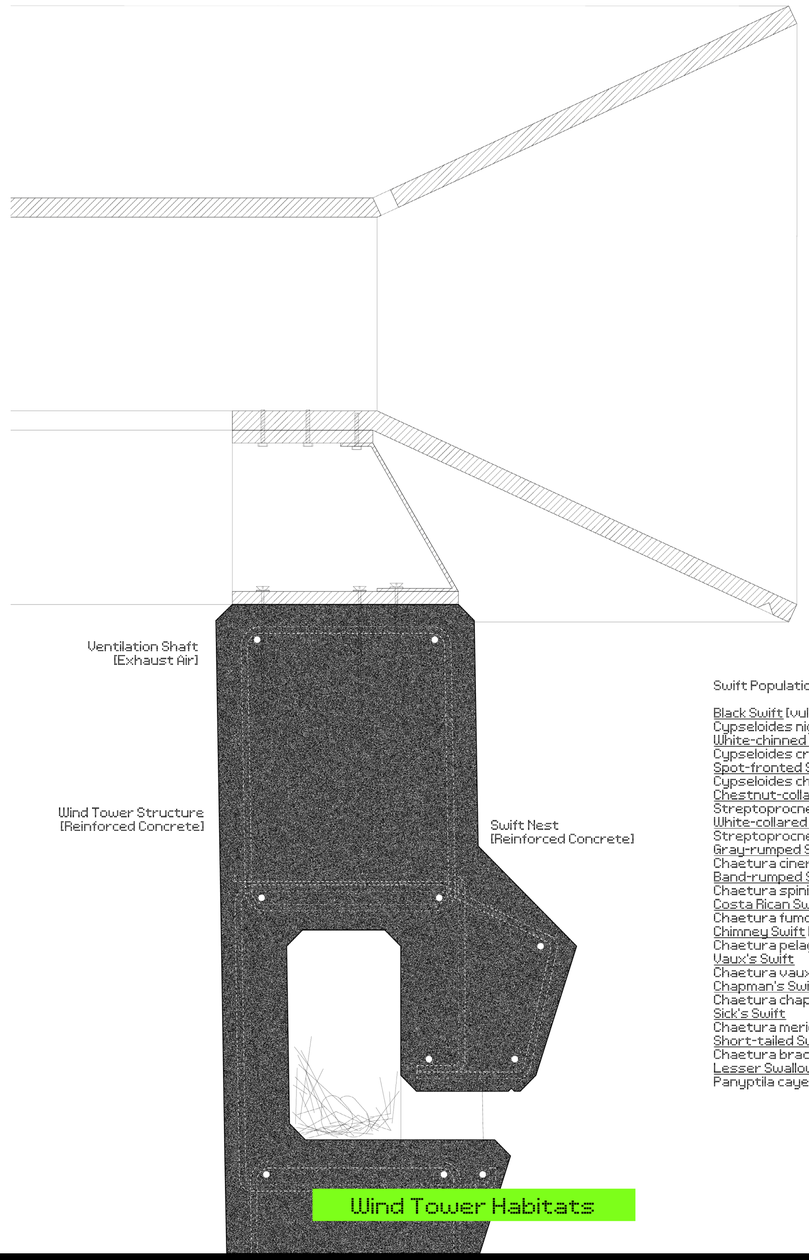

250 Years Reading Room


250 Years Reading Room






Access Point



Swift Populations of Panama

Black Swift [vulnerable]
Cypseloides niger
White-chinned Swift
Cypseloides cryptus
Spot-fronted Swift
Cypseloides cherriei
Chestnut-collared Swift
Streptoprocne rutila
White-collared Swift
Streptoprocne zonaris
Gray-rumped Swift
Chaetura cinereiventris
Band-rumped Swift
Chaetura spinicaudus
Costa Rican Swift
Chaetura fumosa
Chimney Swift [vulnerable]
Chaetura pelagica
Vaux's Swift
Chaetura vauxi
Chapman's Swift
Chaetura chapmani
Sick's Swift
Chaetura meridionalis
Short-tailed Swift
Chaetura brachyura
Lesser Swallow-tailed Swift
Panyptila cayennensis

The Exchange Point



Panama and Submarine Internet Cable Infrastructures



Corozal Submarine Cable Landing Point

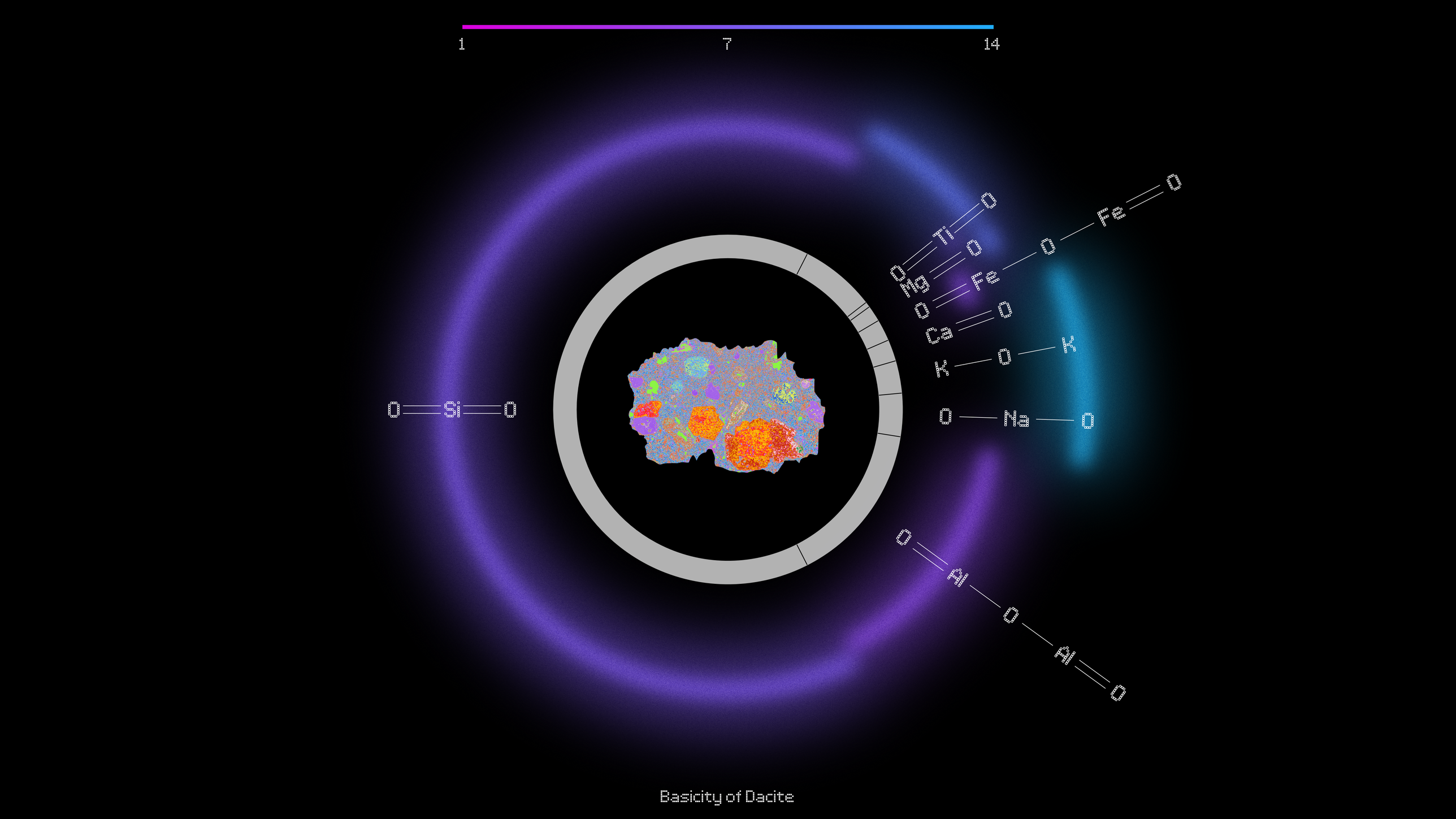


Corozal Submarine Cable Landing Point

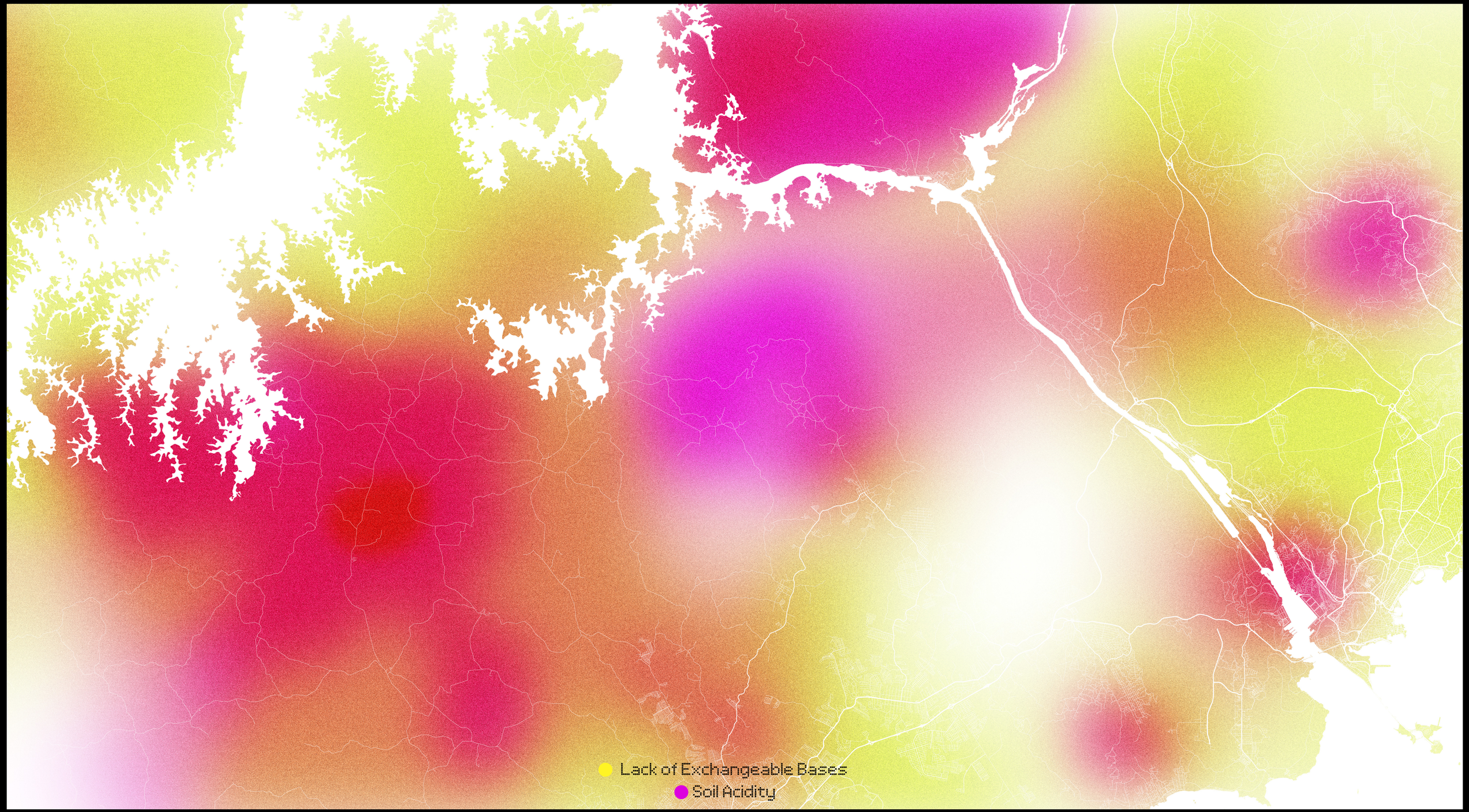




The Binary Gardens



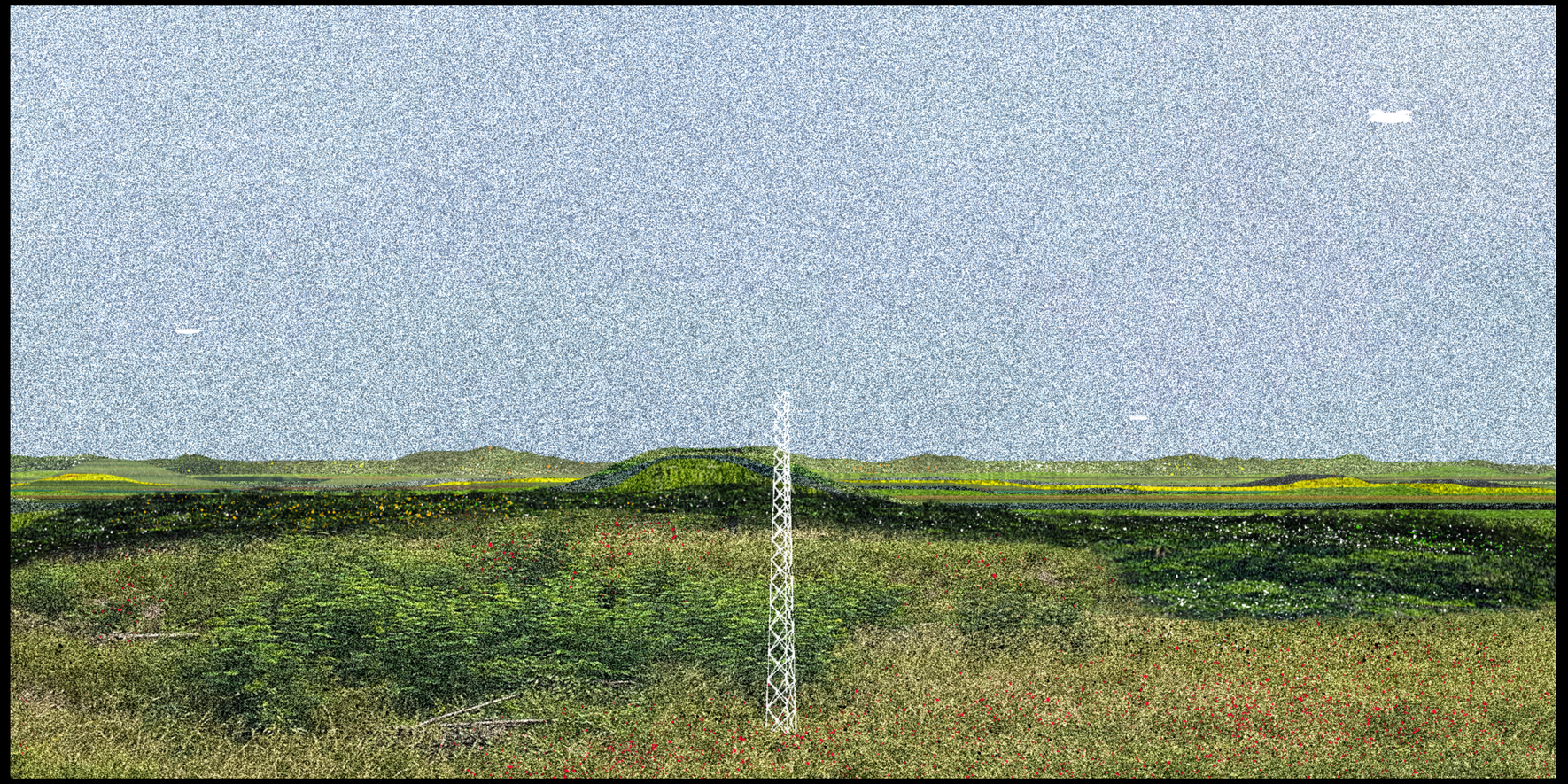
Basicity of Dacite


Lack of Exchangeable Bases
Soil Acidity

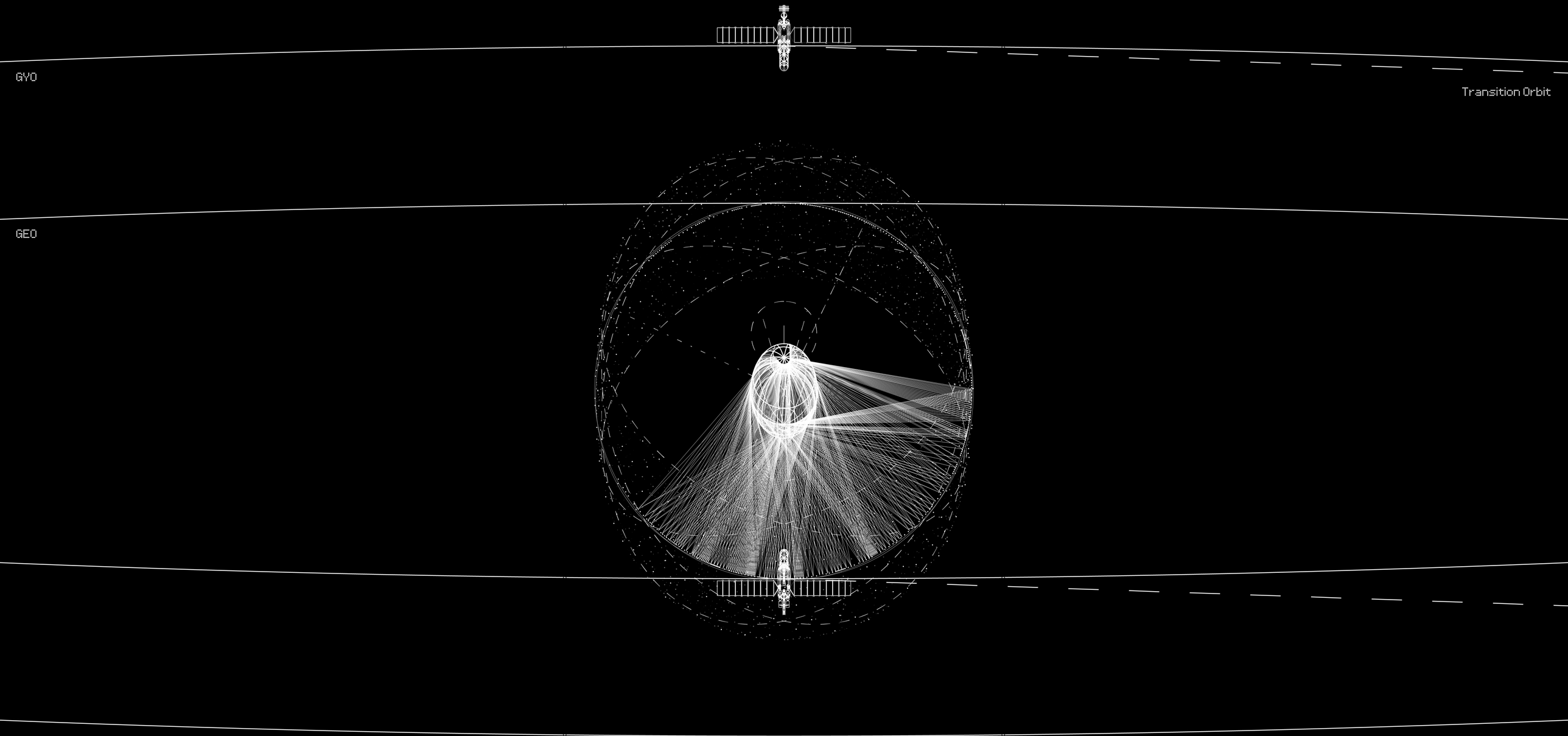

Year1


Year 5


Year 25



The Space Cemetery

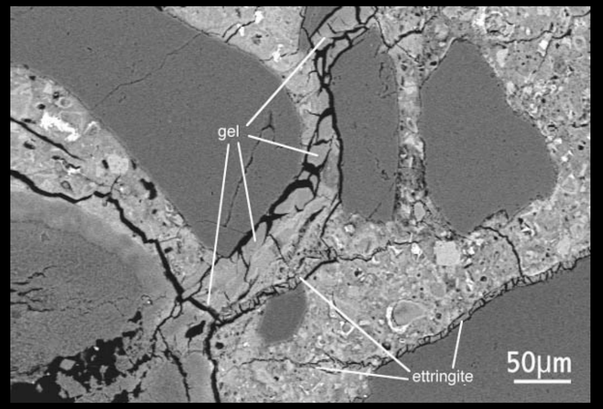


GEO / GVO Satellite Disposal









$$Ca(OH)_2 + H_4SiO_4 \rightarrow Ca^{2+} + H_2SiO_4^{2-} + 2\ H_2O \rightarrow CaH_2SiO_4 \cdot 2\ H_2O$$

portlandite silicic acid silica gel

Alkali-Silica-Reaction

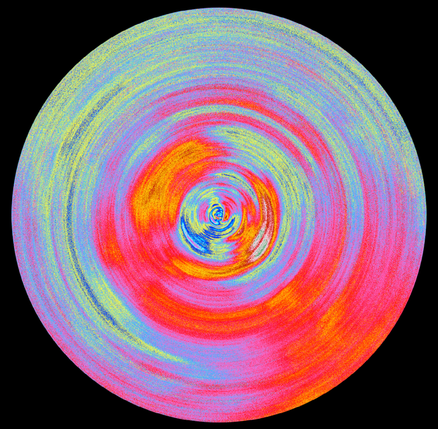












Thank You