DRAFT ENVIRONMENTAL IMPACT ASSESSMENT ANNEXURE

For

SATHANUR BLACK GRANITE QUARRY

Over an extent of 8.46.0 Ha.

At Survey No: 315, 316 and 317/1

Villages: Sathanur

Taluk: Thandarampattu

District: Tiruvannamalai

State: Tamil Nadu

By

M/s. Tamil Nadu Minerals LimitedNo. 31, Kamarajar Salai, Chepauk, Chennai – 600 005

(Project termed under Schedule 1(a) Mining of Minerals 'B1' category as perEIA Notification 2006 and its Amendments thereafter and O.M issued vide F.No. L-11011/175/2018-IA-II (M), dated: 12.12.2018)

EIA Consultant

M/s. EHS360 Labs Private Limited
Ashok Nagar, Chennai

NABET-Certificate No. NABET/EIA/2225/IA 0098_Rev.01 validity 24th June 2025

July 2024

LIST OF ANNEXURES

Annexure 1

THIRU.DEEPAK S. BILGI, I.F.S.
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY-TAMILNADU
3rd Floor, Panagal Maaligai,
No.1, Jeenis Road, Saidapet,
Chennai - 600 015.
Phone No. 044-24359973
Fax No. 044-24359975

TERMS OF REFERENCE (ToR)

Lr No.SEIAA-TN/F.No.9647/SEAC/ToR- 1350/2022 Dated:16.02.2023.

To

M/s. Tamil Nadu Minerals Limited,
No.31, Kamarajar Salai,
"TWAD House" Chepauk,
Post Box No. 2961,
Chennai - 600 005.

Sir / Madam,

Sub: SEIAA, Tamil Nadu – Terms of Reference with public Hearing (ToR) for the Proposed Black granite quarry lease over an extent of 8.46.0 Ha in SF.No. 315, 316 and 317/1 of Sathanur Village, Thandaramapttu Taluk, Thiruvannamalai District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - under project category – "B1" and Schedule S.No.1 (a) – ToR issued along with Public Hearing - preparation of EIA report – Regarding.

Ref: 1. Online proposal No. SIA/TN/MIN/ 409663/2022, dated 08.12.2022.
2. Your application submitted for Terms of Reference dated: 20.12.2022.
4.Minutes of the 347th SEAC meeting held on 13.01.2023.
5.Minutes of the 592nd SEIAA meeting held on 11.02.2023.

Kindly refer to your proposal submitted to the State Level Impact Assessment Authority for Terms of Reference.

The proponent, M/s. Tamil Nadu Minerals Limited has submitted application for Terms of Reference (ToR) in Form-I, Pre- Feasibility report for the Proposed Black granite quarry lease over

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an extent of 8.46.0 Ha in SF.No. 315, 316 and 317/1 of Sathanur Village, Thandaramapttu Taluk, Thiruvannamalai District, Tamil Nadu.

Discussion by SEAC and the Remarks:-

Proposed Black granite quarry lease over an extent of 8.46.0 Ha in SF.No. 315, 316 and 317/1 of Sathanur Village, Thandaramapttu Taluk, Thiruvannamalai District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - For Terms of Reference.

(SIA/TN/MIN/409663/2022, Dated : 08.12.2022).

The proposal was placed in 347th SEAC meeting held on 13.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Tamil Nadu Minerals Limited has applied for Terms of Reference for the proposed Black granite quarry lease over an extent of 8.46.0 Ha in S.F.Nos. 315, 316 and 317/1 of Sathanur Village, Thandaramapttu Taluk, Thiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & The production should not exceed 2,17,105m^3 (ROM) of Black Granite, 21,711 m^3 of Recovery @ 10% & 1,95,394m^3 of Granite Waste @ 90% With an ultimate depth of mining is 31 m BGL ,The annual peak production is 44044 m^3 (ROM) of Black Granite (1st year) & 4404 m^3 of Recovery @ 10% (1st year) & 39,640 m^3 of Granite Waste (1st year) @ 90%.

Based on the presentation made by the proponent, **SEAC decided to recommend for grant of Terms of Reference (TOR) with Public Hearing,** subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. The proponent shall discuss the funds for mitigation measures to be included in the EMP.
3. The proponent shall adhere to the bench height - 5m as stated in the approved mining plan.
4. The proponent shall submit an affidavit on participation in the Anna University Star rating

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system.

5. The PP shall study the implications of Reserve forest in mining area.
6. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Necessary data and documentation in this regard may be provided.
7. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
8. In the case of proposed lease in an existing (or old) quarry where the benches are non-existent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
9. Details of Green belt & fencing shall be included in the EIA Report.
10. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
    - If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
    - What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
    - Quantity of minerals mined out.
    - Highest production achieved in any one year
    - Detail of approved depth of mining.
    - Actual depth of the mining achieved earlier.
    - Name of the person already mined in that leases area.
    - If EC and CTO already obtained, the copy of the same shall be submitted.
    - Whether the mining was carried out as per the approved mine plan (or EC if issued) with

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stipulated benches.

11. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
12. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
13. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
14. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
15. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
16. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
17. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
18. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
19. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

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20. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
21. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
22. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
23. Impact on local transport infrastructure due to the Project should be indicated.
24. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
25. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
26. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
27. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
28. The PP shall produce/display the EIA report, Executive summery and other related information with respect to public hearing in Tamil Language also.
29. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
30. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-Iin consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees

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alternating with shrubs should be planted in a mixed manner.

31. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
32. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
33. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
34. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
35. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
36. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
37. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
38. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
39. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
40. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.

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41. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

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Appendix -I
List of Native Trees Suggested for Planting

No	Scientific Name	Tamil Name	Tamil Name
1	*Aegle marmelos*	Vilvam	வில்வம்
2	*Adenanthera pavonina*	Manjadi	மஞ்சாடி, ஆனைக்குன்றிமணி
3	*Albizia lebbeck*	Vaagai	வாகை
4	*Albizia amara*	Usil	உசில்
5	*Bauhinia purpurea*	Mantharai	மந்தாரை
6	*Bauhinia racemosa*	Aathi	ஆத்தி
7	*Bauhinia tomentos*	Iruvathi	இருவாத்தி
8	*Buchanania axillaris*	Kattuma	காட்டுமா
9	*Borassus flabellifer*	Panai	பனை
10	*Buten monosperma*	Murukkamaram	முருக்கமரம்
11	*Bobax ceiba*	Ilavu, Sevvilavu	இலவு
12	*Calophyllum inophyllum*	Punnai	புன்னை
13	*Cassia fistula*	Sarakondrai	சரக்கொன்றை
14	*Cassia roxburghii*	Sengondrai	செங்கொன்றை
15	*Chloroxylon swietenia*	Purasamaram	புரசு மரம்
16	*Cochlospermum religiosum*	Kongu, Manjalllavu	கோங்கு, மஞ்சள் இலவு
17	*Cordia dichotoma*	Naruvuli	நருவுலி
18	*Crateva adansoni*	Mavalingum	மாவிலங்கம்
19	*Dillenia indica*	Uva, Uzha	உசா
20	*Dillenia pentagyna*	SiruUva, Sitruzha	சிறு உசா
21	*Diospyro sebenum*	Karungali	கருங்காலி
22	*Diospyro schloroxylon*	Vaganai	வாகனை
23	*Ficus amplissima*	Kalltchi	கல் இச்சி
24	*Hibiscus tiliaceou*	Aatrupoovarasu	ஆற்றுப்பூவரசு
25	*Hardwickia binata*	Aacha	ஆச்சா
26	*Holoptelia integrifolia*	Aayili	ஆயா மரம், ஆயிலி
27	*Lannea coromandelica*	Odhiam	ஓதியம்
28	*Lagerstroemia speciosa*	Poo Marudhu	பூ மருது
29	*Lepisanthus tetraphylla*	Neikottaimaram	நெய் கொட்டை மரம்
30	*Limonia acidissima*	Vila maram	விளா மரம்
31	*Litsea glutinos*	Pisinpattai	அரப்பா, பிசின்பட்டை
32	*Madhuca longifolia*	Illuppai	இலுப்பை
33	*Manilkara hexandra*	UlakkaiPaalai	உலக்கை பாலை
34	*Mimusops elengi*	Magizhamaram	மகிழமரம்
35	*Mitragyna parvifolia*	Kadambu	கடம்பு
36	*Morinda pubescens*	Nuna	நுனா
37	*Morinda citrifolia*	Vellai Nuna	வெள்ளை நுனா
38	*Phoenix sylvestre*	Eachai	ஈச்சமரம்
39	*Pongamia pinnat*	Pungam	புங்கம்

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40	*Premna mollissima*	Munnai	முன்னை
41	*Premna serratifolia*	Narumunnai	நறு முன்னை
42	*Premna tomentosa*	Malaipoovarasu	மலை பூவரசு
43	*Prosopis cineras*	Vanni maram	வன்னி மரம்
44	*Pterocarpus marsupium*	Vengai	வேங்கை
45	*Pterospermum canescens*	Vennangu, Tada	வெண்கொடிது
46	*Pterospermum xylocarpum*	Polavu	புலவு
47	*Puthranjiva roxburghi*	Karipala	கரிபாலா
48	*Salvadora persica*	Ugaa Maram	உகா மரம்
49	*Sapindus emarginatus*	Manipungan, Soapukai	மணிப்புங்கன் சோப்புக்காய்
50	*Saraca asoca*	Asoca	அசோகா
51	*Streblus asper*	Piray maram	பிரய் மரம்
52	*Strychnos nuxvomic*	Yetti	எட்டி
53	*Strychnos potatorum*	Therthang Kottai	தேற்றான் கொட்டை
54	*Syzygium cumini*	Naval	நாவல்
55	*Terminalia belleric*	Thandri	தான்றி
56	*Terminalia arjuna*	Ven maruthu	வெண் மருது
57	*Toona ciliate*	Sandhana vembu	சந்தன வேம்பு
58	*Thespesia populnea*	Puvarasu	பூவரசு
59	*Walsuratrifoliata*	valsura	வலசுரா
60	*Wrightia tinctoria*	Veppalai	வெப்பாலை
61	*Pithecellobium dulce*	Kodukkapuli	கொடுக்காய்புளி

Discussion by SEIAA and the Remarks:-

The proposal was placed in the 592nd Authority meeting held on 16.02.2023. The authority noted that this proposal was placed for appraisal in this 347th meeting of SEAC held on 13.01.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant **Terms of Reference (ToR) along with Public Hearing** under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in '**Annexure B**' of this minute.

1. The activity should not result in CO_2 release and temperature rise and add to micro climate alternations.
2. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and ground water, nor cause any pollution, to water sources in the area.
3. The proponent shall ensure that the activity does not disturb Soil health & bio-diversity, Climate change leading to Droughts, Floods etc.

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4. The proponent shall ensure that the activity does not Pollute leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
5. The proponent shall ensure that the activity does not make the Possibilities of water contamination and impact on aquatic ecosystem health.
6. The trees present in the site shall be protected, replanted elsewhere.
7. The PP shall study the impact on Invasive Alien Species (IAP).

Annexure 'B'

Cluster Management Committee

1. Cluster Management Committee shall be framed which must include all the proponents in the cluster as members including the existing as well as proposed quarry.
2. The members must coordinate among themselves for the effective implementation of EMP as committed including Green Belt Development, Water sprinkling, tree plantation, blasting etc.,
3. The List of members of the committee formed shall be submitted to AD/Mines before the execution of mining lease and the same shall be updated every year to the AD/Mines.
4. Detailed Operational Plan must be submitted which must include the blasting frequency with respect to the nearby quarry situated in the cluster, the usage of haul roads by the individual quarry in the form of route map and network.
5. The committee shall deliberate on risk management plan pertaining to the cluster in a holistic manner especially during natural calamities like intense rain and the mitigation measures considering the inundation of the cluster and evacuation plan.
6. The Cluster Management Committee shall form Environmental Policy to practice sustainable mining in a scientific and systematic manner in accordance with the law. The role played by the committee in implementing the environmental policy devised shall be given in detail.
7. The committee shall furnish action plan regarding the restoration strategy with respect to the individual quarry falling under the cluster in a holistic manner.
8. The committee shall furnish the Emergency Management plan within the cluster.
9. The committee shall deliberate on the health of the workers/staff involved in the mining as well as the health of the public.
10. The committee shall furnish an action plan to achieve sustainable development goals with reference to water, sanitation & safety.

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11. The committee shall furnish the fire safety and evacuation plan in the case of fire accidents.

Impact study of mining

12. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area covering the entire mine lease period as per precise area communication order issued from reputed research institutions on the following
    a) Soil health & soil biological, physical land chemical features .
    b) Climate change leading to Droughts, Floods etc.
    c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
    d) Possibilities of water contamination and impact on aquatic ecosystem health.
    e) Agriculture, Forestry & Traditional practices.
    f) Hydrothermal/Geothermal effect due to destruction in the Environment.
    g) Bio-geochemical processes and its foot prints including environmental stress.
    h) Sediment geochemistry in the surface streams.

Agriculture & Agro-Biodiversity

13. Impact on surrounding agricultural fields around the proposed mining Area.
14. Impact on soil flora & vegetation around the project site.
15. Details of type of vegetations including no. of trees & shrubs within the proposed mining area and. If so, transplantation of such vegetations all along the boundary of the proposed mining area shall committed mentioned in EMP.
16. The Environmental Impact Assessment should study the biodiversity, the natural ecosystem, the soil micro flora, fauna and soil seed banks and suggest measures to maintain the natural Ecosystem.
17. Action should specifically suggest for sustainable management of the area and restoration of ecosystem for flow of goods and services.
18. The project proponent shall study and furnish the impact of project on plantations in adjoining patta lands, Horticulture, Agriculture and livestock.

Forests

19. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.

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20. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.
21. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.
22. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.

Water Environment

23. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the entire mine lease period.
24. Erosion Control measures.
25. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the nearby Villages, Water-bodies/ Rivers, & any ecological fragile areas.
26. The project proponent shall study impact on fish habitats and the food WEB/ food chain in the water body and Reservoir.
27. The project proponent shall study and furnish the details on potential fragmentation impact on natural environment, by the activities.
28. The project proponent shall study and furnish the impact on aquatic plants and animals in water bodies and possible scars on the landscape, damages to nearby caves, heritage site, and archaeological sites possible land form changes visual and aesthetic impacts.
29. The Terms of Reference should specifically study impact on soil health, soil erosion, the soil physical, chemical components and microbial components.
30. The Environmental Impact Assessment should study on wetlands, water bodies, rivers streams, lakes and farmer sites.

Energy

31. The measures taken to control Noise, Air, Water, Dust Control and steps adopted to efficiently utilise the Energy shall be furnished.

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Climate Change

32. The Environmental Impact Assessment shall study in detail the carbon emission and also suggest the measures to mitigate carbon emission including development of carbon sinks and temperature reduction including control of other emission and climate mitigation activities.
33. The Environmental Impact Assessment should study impact on climate change, temperature rise, pollution and above soil & below soil carbon stock.

Mine Closure Plan

34. Detailed Mine Closure Plan covering the entire mine lease period as per precise area communication order issued.

EMP

35. Detailed Environment Management Plan along with adaptation, mitigation & remedial strategies covering the entire mine lease period as per precise area communication order issued.
36. The Environmental Impact Assessment should hold detailed study on EMP with budget for Green belt development and mine closure plan including disaster management plan.

Risk Assessment

37. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.

Disaster Management Plan

38. To furnish disaster management plan and disaster mitigation measures in regard to all aspects to avoid/reduce vulnerability to hazards & to cope with disaster/untoward accidents in & around the proposed mine lease area due to the proposed method of mining activity & its related activities covering the entire mine lease period as per precise area communication order issued.

Others

39. The project proponent shall furnish VAO certificate with reference to 300m radius regard to approved habitations, schools, Archaeological sites, Structures, railway lines, roads, water bodies such as streams, odai, vaari, canal, channel, river, lake pond, tank etc.

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40. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall address the concerns raised during the public consultation and all the activities proposed shall be part of the Environment Management Plan.
41. The project proponent shall study and furnish the possible pollution due to plastic and microplastic on the environment. The ecological risks and impacts of plastic & microplastics on aquatic environment and fresh water systems due to activities, contemplated during mining may be investigated and reported.

A. STANDARD TERMS OF REFERENCE

1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ topo sheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5) Information should be provided in Survey of India Topo sheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental

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issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.

8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.

9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.

10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.

12) Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of Net Present Value (NPV) and Compensatory Afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.

14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.

15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other

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protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.

17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.

18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.

20) Similarly, for Coastal Projects, a CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease with respect to CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).

21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out

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whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of Vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.

28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central

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Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

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37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

38) Detailed Environmental Management Plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

44) Besides the above, the below mentioned general points are also to be followed:-

a) Executive Summary of the EIA/EMP Report

b) All documents to be properly referenced with index and continuous page numbering.

c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

e) Where the documents provided are in a language other than English, an English translation should be provided.

f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.

g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA. II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.

h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I

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and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the ToR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.

i) As per the circular no. J-11011/618/2010-IA. II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the Environment Clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

In addition to the above, the following shall be furnished:-

The Executive summary of the EIA/EMP report in about 8-10 pages should be prepared incorporating the information on following points:

1. Project name and location (Village, District, State, Industrial Estate (if applicable).
2. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
3. Measures for mitigating the impact on the environment and mode of discharge or disposal.
4. Capital cost of the project, estimated time of completion.
5. The proponent shall furnish the contour map of the water table detailing the number of wells located around the site and impacts on the wells due to mining activity.
6. A detailed study of the lithology of the mining lease area shall be furnished.
7. Details of village map, "A" register and FMB sketch shall be furnished.
8. Detailed mining closure plan for the proposed project approved by the Geology of Mining department shall be shall be submitted along with EIA report.
9. Obtain a letter /certificate from the Assistant Director of Geology and Mining standing that there is no other Minerals/resources like sand in the quarrying area within the approved depth of mining and below depth of mining and the same shall be furnished in the EIA report.
10. EIA report should strictly follow the Environmental Impact Assessment Guidance Manual for Mining of Minerals published February 2010.

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11. Detail plan on rehabilitation and reclamation carried out for the stabilization and restoration of the mined areas.
12. The EIA study report shall include the surrounding mining activity, if any.
13. Modeling study for Air, Water and noise shall be carried out in this field and incremental increase in the above study shall be substantiated with mitigation measures.
14. A study on the geological resources available shall be carried out and reported.
15. A specific study on agriculture & livelihood shall be carried out and reported.
16. Impact of soil erosion, soil physical chemical and biological property changes may be assumed.
17. Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./ private land, status of is acquisition, nearby (in 2-3 km.) water body, population, with in 10km other industries, forest , eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
18. Baseline environmental data - air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
19. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
20. Likely impact of the project on air, water, land, flora-fauna and nearby population
21. Emergency preparedness plan in case of natural or in plant emergencies
22. Issues raised during public hearing (if applicable) and response given
23. CER plan with proposed expenditure.
24. Occupational Health Measures
25. Post project monitoring plan
26. The project proponent shall carry out detailed hydro geological study through intuitions/NABET Accredited agencies.
27. A detailed report on the green belt development already undertaken is to be furnished and also submit the proposal for green belt activities.
28. The proponent shall propose the suitable control measure to control the fugitive emissions during the operations of the mines.
29. A specific study should include impact on flora & fauna, disturbance to migratory pattern of animals.
30. Reserve funds should be earmarked for proper closure plan.
31. A detailed plan on plastic waste management shall be furnished. Further, the proponent should

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strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throw away plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986. In this connection, the project proponent has to furnish the action plan.

Besides the above, the below mentioned general points should also be followed:-

a. A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
b. All documents may be properly referenced with index, page numbers and continuous page numbering.
c. Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
d. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF & CC vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
e. The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India (QCI)/National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. In this regard circular no F. No.J -11013/77/2004-IA-II(I) dated 2nd December, 2009, 18th March 2010, 28th May 2010, 28th June 2010, 31st December 2010 & 30th September 2011 posted on the Ministry's website http://www.moef.nic.in/ may be referred.

- After preparing the EIA (as per the generic structure prescribed in Appendix-III of the EIA Notification, 2006) covering the above mentioned points, the proponent willtake further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.
- The final EIA report shall be submitted to the SEIAA, Tamil Nadu for obtaining Environmental Clearance.
- The TORs with public hearing prescribed shall be **valid for a period of three years** from the date of issue, for submission of the EIA/EMP report as per OMNo.J-11013/41/2006-IA-II(I) (part) dated 29th August, 2017.

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Copy to:

1. The Additional Chief Secretary to Government, Environment & Forests Department, Govt. of Tamil Nadu, Fort St. George, Chennai - 9
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan,CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board,76, Mount Salai, Guindy, Chennai-600 032.
4. The APCCF (C), Regional Office, MoEF & CC (SZ), 34, HEPC Building, 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai -34.
5. Monitoring Cell, IA Division, Ministry of Environment, Forests & CC, Paryavaran Bhavan, CGO Complex, New Delhi 110003
6. The District Collector, Tiruvannamalai District.
7. Stock File.

Annexure 2

Annexure No. A

Industries (MME.1) Department,
Secretariat, Chennai-600 009.

Letter No.3377/MME.1/2022-1, dated 03.06.2022

2569289

From
Thiru. S. Krishnan, I.A.S.,
Additional Chief Secretary to Government

06 JUN 2022

To
Tvl. Tamil Nadu Minerals Limited,
31, Kamarajar Salai,
TWAD House,
Chepauk, Chennai – 600 005.

Sir,

Sub: Industries - Mines and Minerals – Minor Mineral – Black Granite – Tiruvannamalai District- Thandarampattu Taluk – Sathanur Village – Over an extent of 8.46.0 hectares of Government land in S.F.Nos.315, 316 and 317/1 – Quarry Lease Application preferred by Tvl. TAMIN, Chennai-5 – Precise Area Communicated – Approved mining Plan and Environmental Clearance – Called for.

Ref:
1. Your Quarry Lease Application dated: 16.3.2012.
2. From the District Collector, Tiruvannamalai, letter Rc. No.102/Kanimam/2012, dated 08.02.2022.
3. From the Director of Geology and Mining, File Rc. No.1033/MM4/2022, dated: 29.03.2022.

******

I am directed to refer your quarry lease application first cited and to state that in their references second and third cited, the District Collector, Tiruvannamalai and the Director of Geology and Mining respectively have recommended your quarry lease application for grant of quarry lease for quarrying of Black Granite over an extent of 8.46.0 hectares of Government land in S.F. Nos.315, 316 and 317/1 in Sathanur Village, Thandarampattu Taluk, Tiruvannamalai District for a period of 20 years under rule 8-C of the Tamil Nadu Minor Mineral Concession Rules, 1959.

(p.t.o)

2. In this connection, I am directed to request you to furnish Approved Mining Plan through the Director of Geology and Mining within a period of 3 months as per sub-rule (3) (b) of Rule 8-C of the Tamil Nadu Minor Mineral Concession Rules, 1959 and to produce Environmental Clearance obtained from competent authority for the above said area to the Government for grant of quarry lease subject to the following conditions:-

a) 10 meter safety distance has to be provided to the Government Poramboke land on the northern and western sides of the applied area.

b) 7.5 meter safety distance has to be provided to the adjoining patta lands and should not cause hindrance to them while quarrying and transportation.

c) The four boundaries of the applied area are fixed and the quarrying activity should be restricted within the area granted on lease.

d) Barbed wire fencing or Compound wall should be erected all along the boundary of the lease granted area.

e) The waste materials generated during the course of quarrying should be dumped only within the lease hold area.

f) Environment Clearance should be obtained from the competent authority in respect of the subject area as per Rule 42 of Tamil Nadu Minor Mineral Concession Rules, 1959 and as per the notification of the Ministry of Environment and Forest and any other clearances if any.

g) The applicant company should submit mining due clearance certificate for the period from 2019-2020 to 2021-2022 after one year as per the G.O.(D)No.95, Industries (MME.1) Department, dated 20.09.2021 in which the Government has given exception to Tvl. TAMIN Ltd., for remittance of arrear dues to the Government.

h) The applicant company should fence the lease granted area with barbed wire before the execution of lease deed as follows:-

- The pillar post shall be firmly grounded with concrete foundation of height not less than 2 meters with a distance between two pillars shall not be more than 3 meters.
- The applicant company shall incorporate the DGPS readings for the entire boundary Pillars of the area and the same should be clearly shown in the mining plan.
- A soft copy of the digitized map with DGPS readings should be submitted in the CD form to the Deputy Director (G&M), Tiruvannamalai.

i) The conditions mentioned in G.O.(Ms.)No.79, Industries (MMC.1) Department, dated 06.4.2015 should be compiled with.

j) As per rule 12 (V) of Mineral (other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016, the applicant shall at his own expenses erect, maintain and keep in repair all the boundary pillars.

k) The applicant company should ensure that all the labourers are registered in the Labour Welfare Board and Insurance Scheme.

l) The applicant company should comply with the additional conditions stipulated in the Government of India, Ministry of Mines order No.11/ 02/ 2020, dated 14.01.2020 issued as pair the Order of Hon'ble Supreme Court of India, dated 08.01.2020 that states "The mining lease holders shall after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora and fauna etc.,"

m) The applied area should satisfy Rule 36(1-A)(d) and (e) of the Tamil Nadu Minor Mineral Concession Rules, 1959 as mentioned vide G.O.(D) No.295, Industries (MMC.1) Department, dated 03.11.2021.

n) Tvl. TAMIN Limited, Chennai-5 shall produce current mining dues clearance certificate as per the affidavit filed along with this application, on grant of mining lease for this area but, before execution of lease deed.

o) The applicant company should submit latest Board of Directors details before execution of lease deed.

p) The District Collector, Tiruvannamalai shall obtain a sworn-in-affidavit from the appellant containing the above conditions before execution of lease deed and also ensure that the instructions issued in Government Letter No.12789/MMB.2/2002-7, Industries Department, Dated: 9.1.2003 are complied with.

Yours faithfully,

6.6.2022

for Additional Chief Secretary to Government

Copy to:

The Director of Geology and Mining,
Guindy, Chennai - 600 032.

The District Collector,
Tiruvannamalai.

Annexure 3

COMMISSIONERATE OF GEOLOGY AND MINING

From
Thiru. J.Jayakanthan, I.A.S.,
Commissioner,
Department of Geology and Mining,
Guindy, Chennai - 600 032.

To
The Managing Director,
TAMIN Limited,
No.31, Kamarajar Salai,
Chepauk,
Chennai- 600 005.

24 AUG 2022

Rc. No.1033/MM4/2022, dated: 18.08.2022

Sir,

Sub: Mines and Minerals – Minor Mineral – Black Granite – Tiruvannamalai District – Thandarampattu Taluk – Sathanur Village - Government lands - S.F.Nos.315, 316 & 317/1 - over an extent 8.46.0 Ha - Quarry lease application preferred by Tvl.TAMIN Ltd., – Precise area communicated by the Government – Mining Plan forwarded by the Deputy Director, Tiruvannamalai – Approval accorded - reg.

Ref :
1. District Collector, Tiruvannamalai letter Rc.No. 102/Kanimam/2012, dated 07.02.2022.
2. Director of Geology and Mining proposal sent in original in Rc.No.1033 /MM4 /2022, dated: 29.03.2022.
3. Government letter No.3377/MME.1/2022-1, dated:03.06.2022.
4. Mining Plan submitted by the lessee Tvl.TAMIN Ltd., dated 14.07.2022.
5. Deputy Director, (G&M), Tiruvannamalai letter Rc.No.102/Kanimam/2012 dated 21.07.2022.

******

Kind attention is invited to the references cited.

2) A proposal recommending for grant of Black Granite quarry lease over an extent of 8.46.0 Ha of Government lands in S.F.Nos.315, 316 & 317/1 of Sathanur Village, Thandarampattu taluk, Tiruvannamalai district for a period of twenty years was forwarded to the Government vide reference 2nd cited. In the reference 3rd cited the Government have communicated precise area to the applicant company with a direction to submit the approved mining plan as per sub rule 3(b) of Rule 8-C of Tamil Nadu Minor Mineral Concession Rules, 1959 and to produce environmental clearance from the competent authority for the said area.

3) The mining plan and the connected records are scrutinized and the following are submitted.

a) The Deputy Director (G&M), Tiruvannamalai has reported that the draft mining plan is prepared by the Recognized Qualified Person and the details such as geological, mineable reserves, year wise production and development program have been incorporated in the draft mining plan. Further, he reported the following:

i) Geological Reserves (ROM) = 10,24,350 cbm
ii) Mineable Reserves (ROM) = 7,75,804 cbm
iii) Recoverable Reserves @ 10% Recovery = 77,580 cbm
iv) Proposed Production for 1st five years = 21,711 cbm
v) Year wise Proposed production:

Year	Production (m^3) @ 10% Recovery
1st year	4404
2nd year	4305
3rd year	4320
4th year	4316
5th year	4366
Total	**21,711**

b) Finally, the Deputy Director, (G&M), Tiruvannamalai has recommended the mining plan for approval subject to the condition that the applicant firm should obtain prior Environmental Clearance from the competent authority.

4) The mining plan submitted by Tvl.TAMIN Ltd., the report of the Deputy Director, (G&M), Tiruvannamalai have been examined with reference to the provisions of Rule 12, 13 and 15 of Granite Conservation and Development Rules, 1999 read with G.O.(Ms) No.87, Industries (MMC.1) Department dated 22.02.2001 and the mining plan is approved for the ROM

7,75,804 cbm subject to the following conditions in addition to the conditions stipulated in the precise area communication issued by the Government vide letter dated 03.06.2022.

i. This mining plan is approved without prejudice to any other Law applicable to the quarry lease from time to time whether such Laws are made by the Central Government, State Government or any other authority.

ii. The approval of the mining plan does not in any way imply the approval of the Government in terms of any other provisions of the Mines and Minerals (Development and Regulation) Act 1957, or any other connected laws including Forest (Conservation) Act, 1980, Forest Conservation Rules, 1981, Environment Protection Act, 1986, Indian Explosives Act, 1884 (Central Act IV of 1884) and the rules made there under and the Tamil Nadu Minor Mineral Concession Rules, 1959.

iii. This mining plan including progressive mine closure plan is approved without prejudice to any other order or direction from any court of competent jurisdiction.

iv. Provisions of the Mines Act, 1952 and the Rules and Regulations made there under including submission of notice of opening, appointment of manager and other statutory officials as required under Mines Act, 1952 shall be complied with.

v. Provisions made under Mines and Minerals (Development & Regulation) Act, 1957, MMDR Amendment Act, 2015 and Granite Conservation and Development Rules, 1999 made there under shall be complied with.

vi. Relaxation to be obtained under Rule 106(2)(b) of Metalliferous Mines Regulations, 1961 from the Director of Mines Safety, if necessary.

vii. The applicant should comply with the additional conditions stipulated in the Government of India, Ministry of Mines, Order No.11/02/2020, dated.14.01.2020 issued as per the Order of the Hon'ble Supreme Court of India, dated.08.01.2020 and states

that, "The Mining lease holders shall after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc".

Encl: One copy of Approved mining plan.

Sd/-J.Jayakanthan
Commissioner of Geology and Mining

Forwarded / By Order

18/8/2022
Deputy Director

Copy Submitted to:

The Additional Chief Secretary to Government,
Industries, Investment Promotion
and Commerce Department,
Secretariat, Chennai-600009.

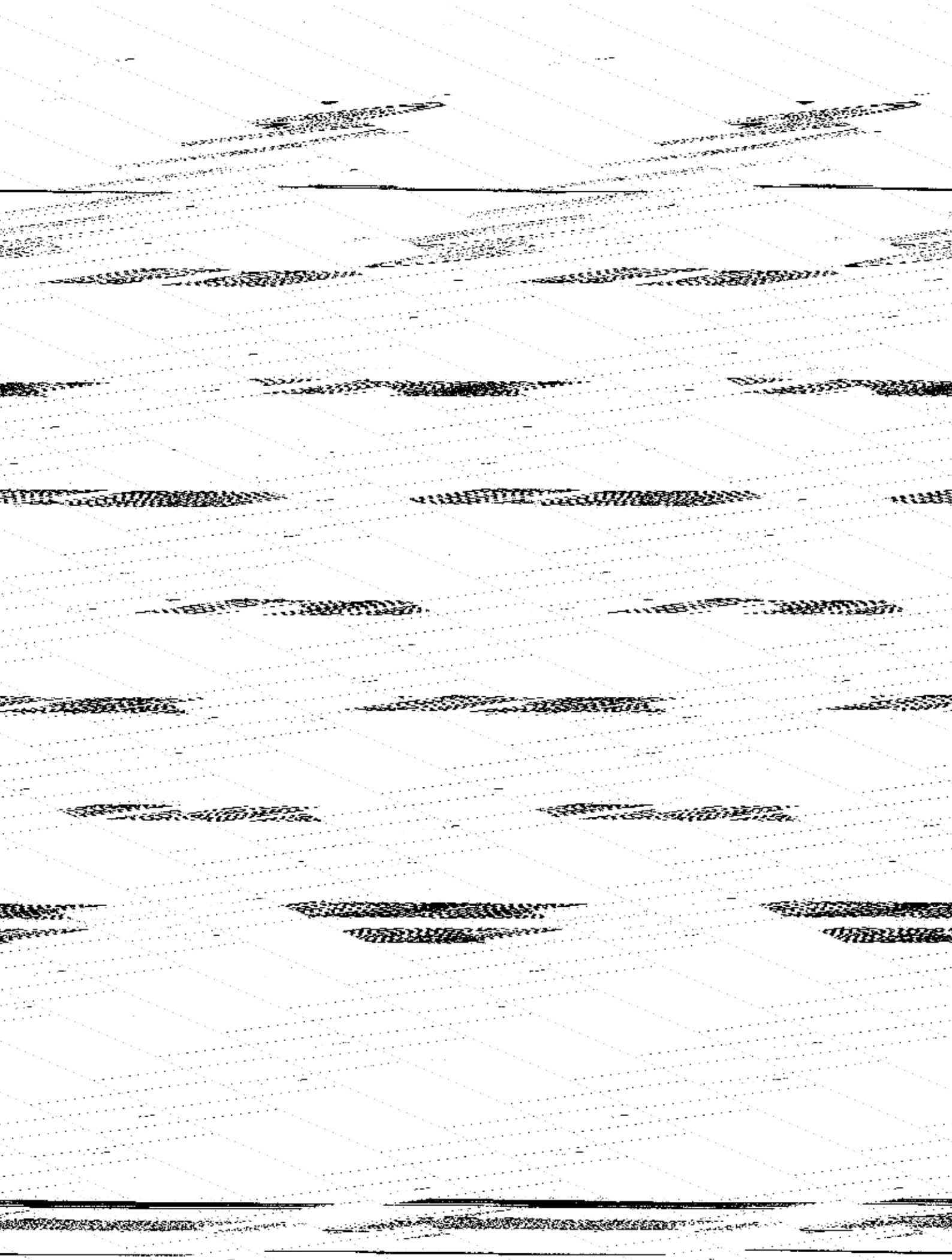
18/8/22

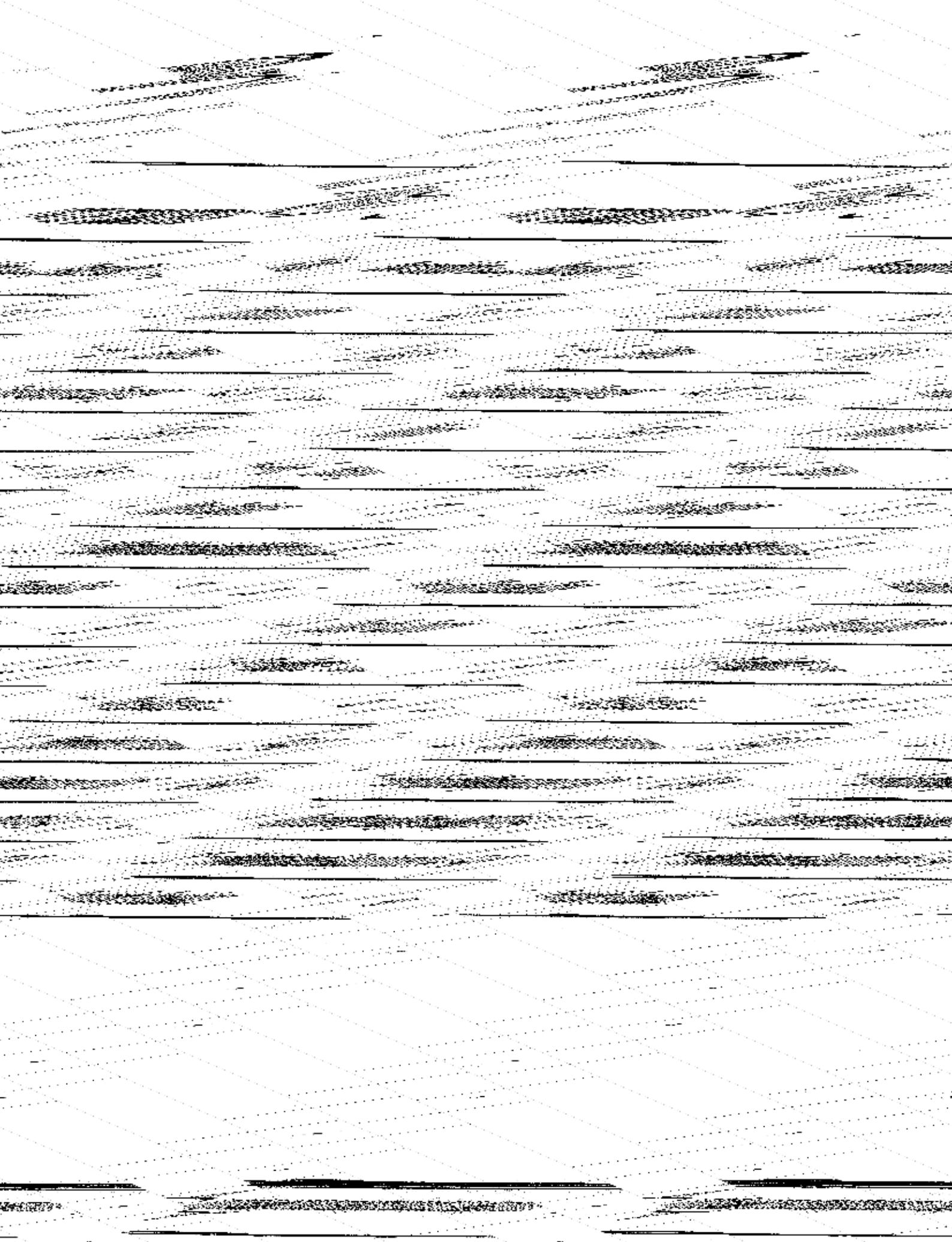
Copy to:

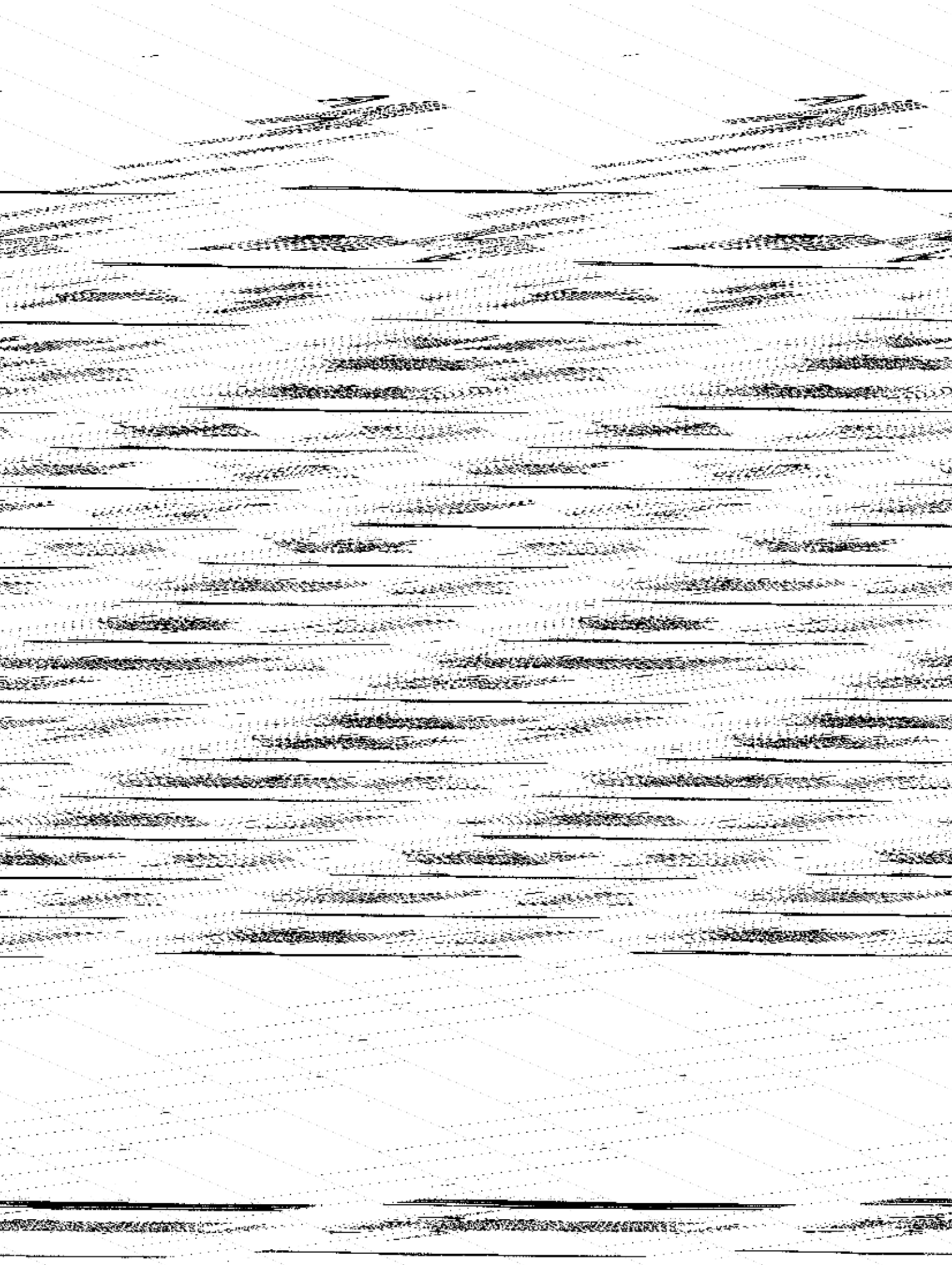
1. The Director of Mines Safety,
   Lapis Lagoon, AA Block
   New No.05, (Old No.46),
   2nd Street, Shanthi Colony,
   Anna Nagar, Chennai-40.

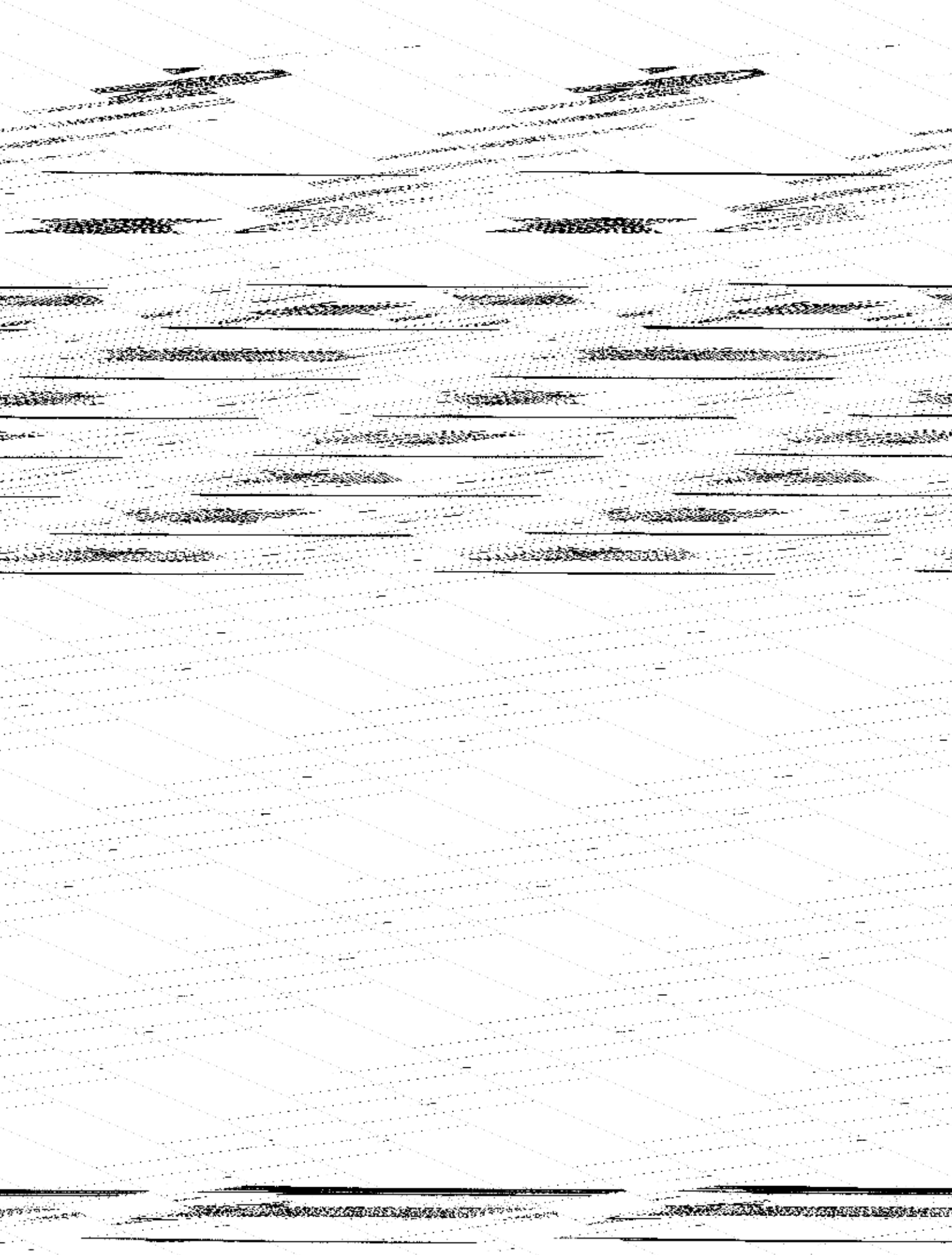
2. The District Collector,
   Tiruvannamalai District.

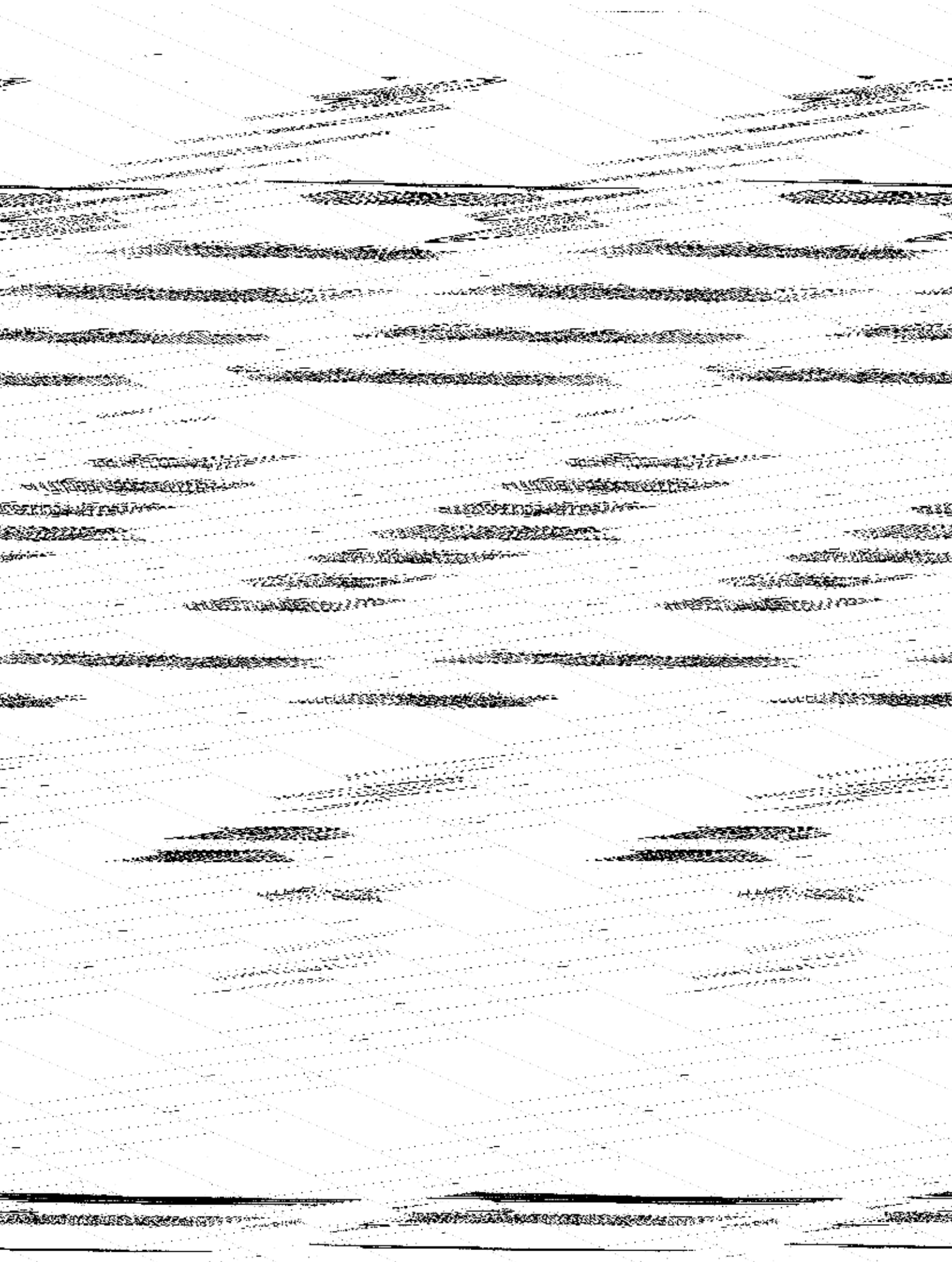
Annexure 4

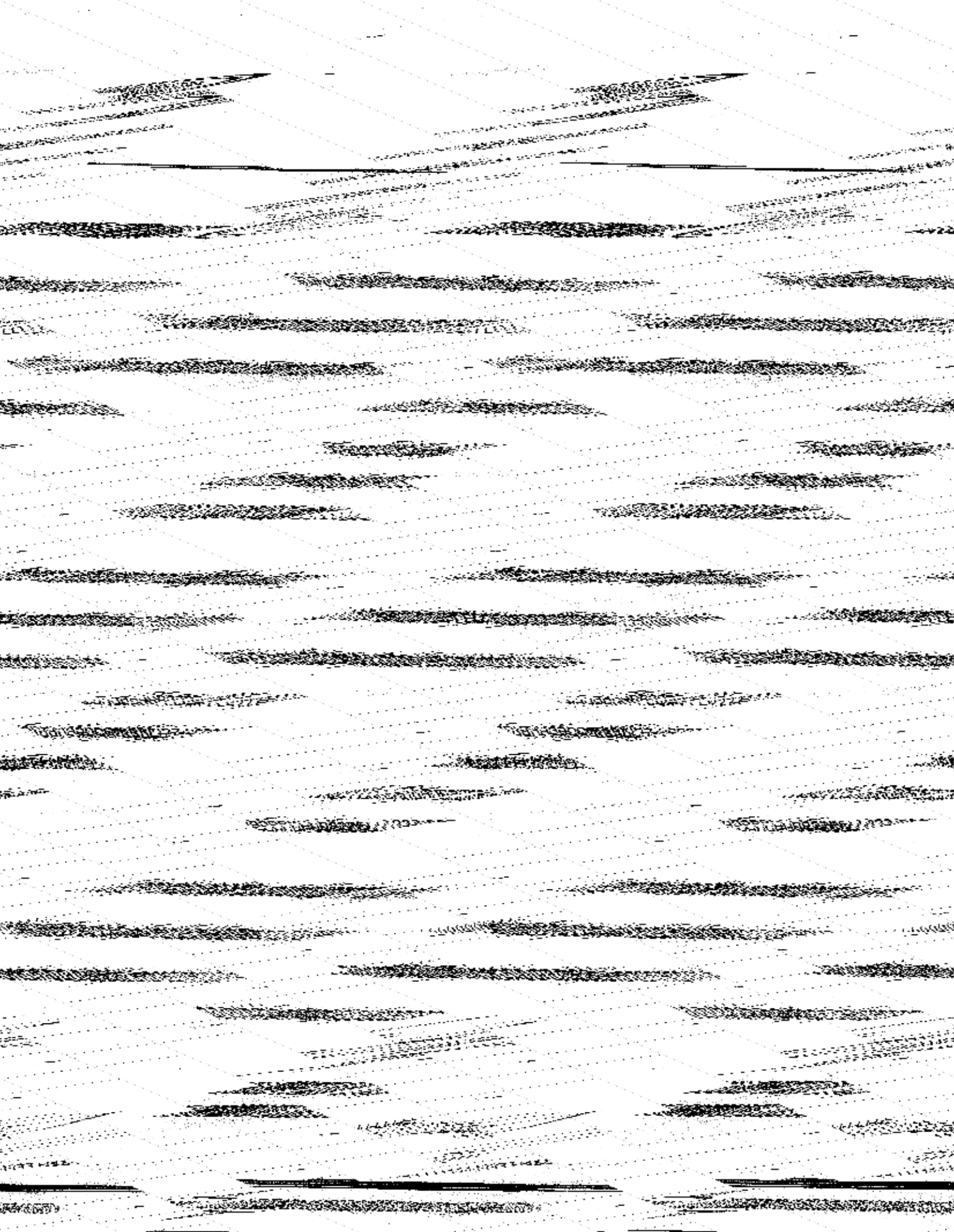


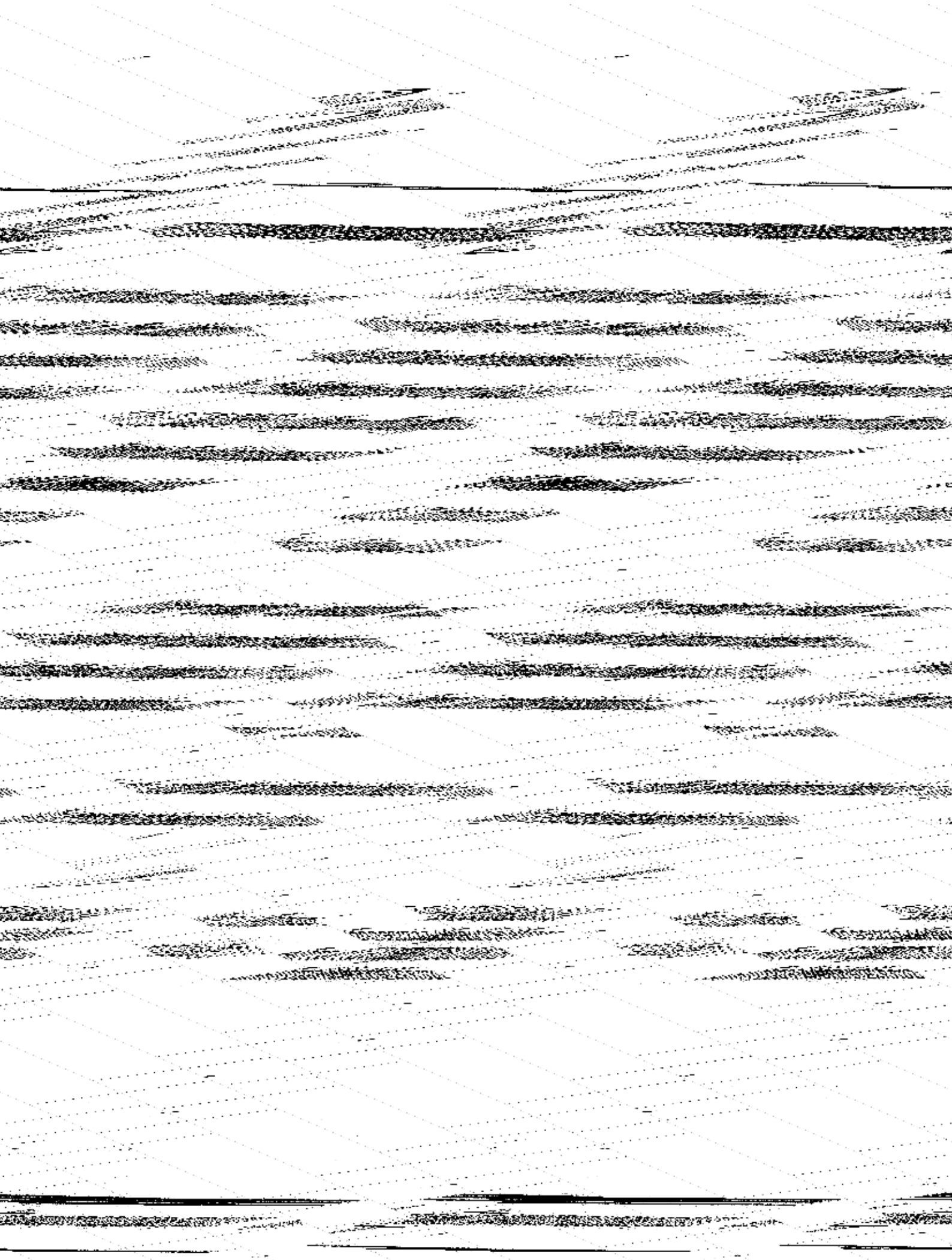


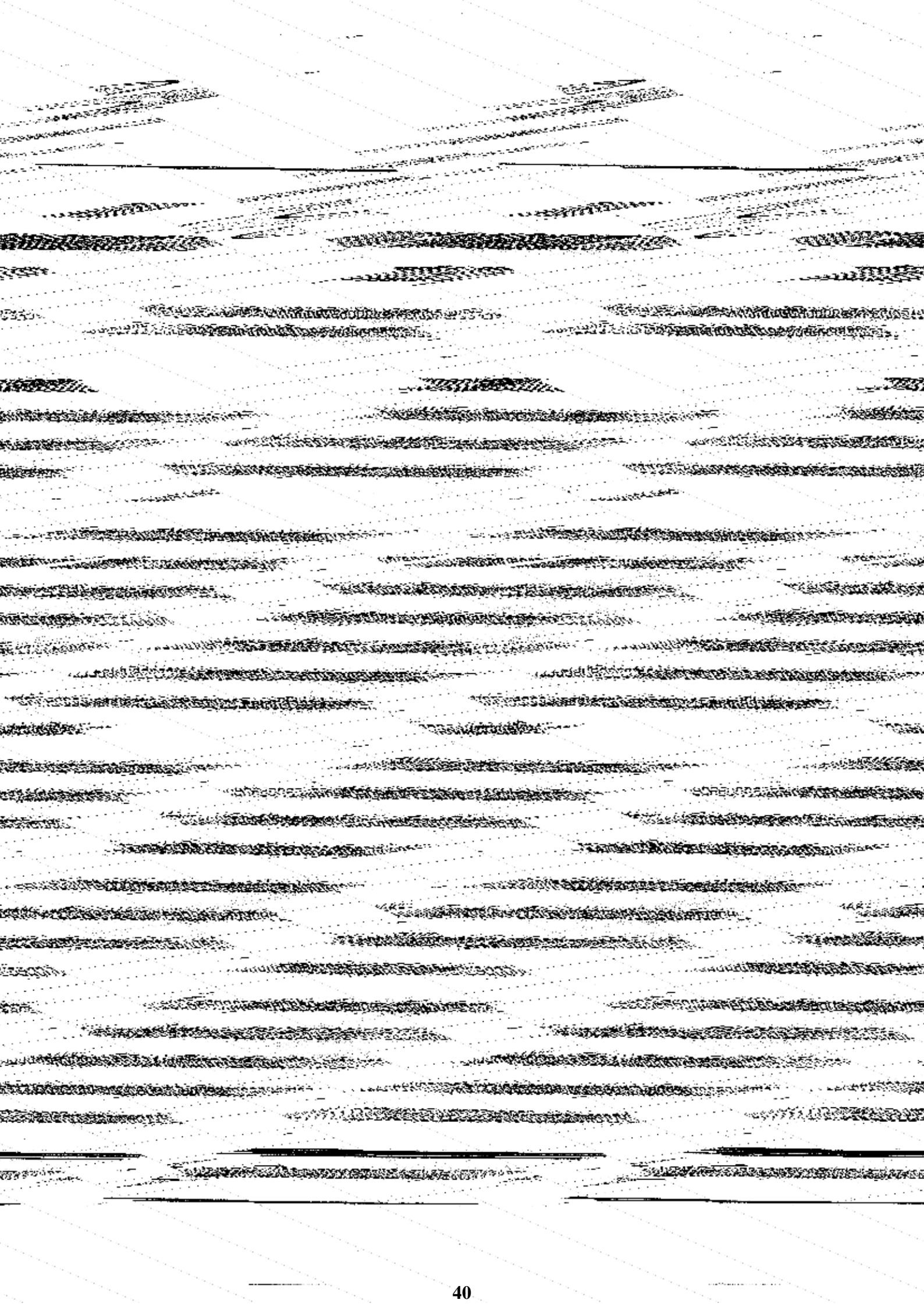


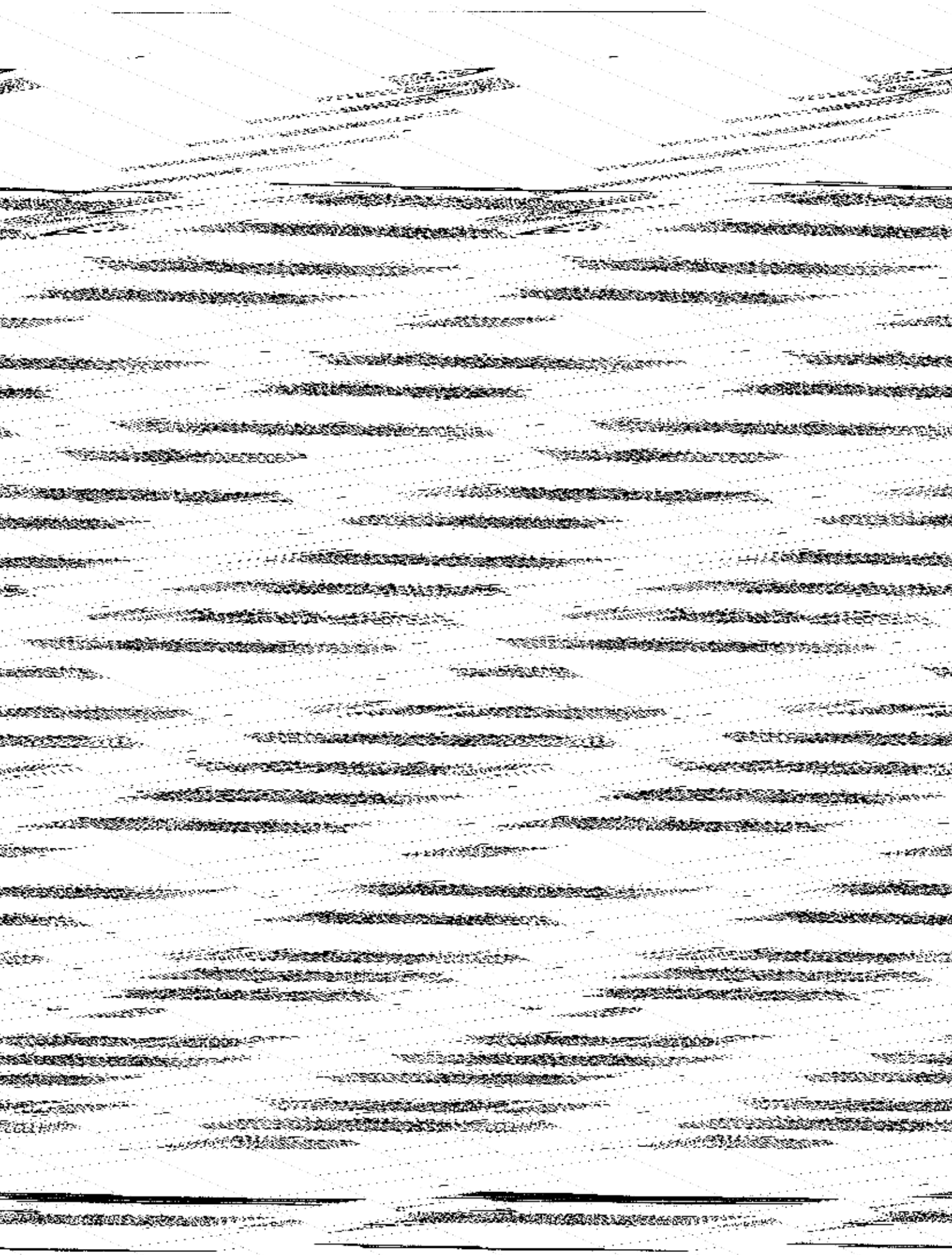


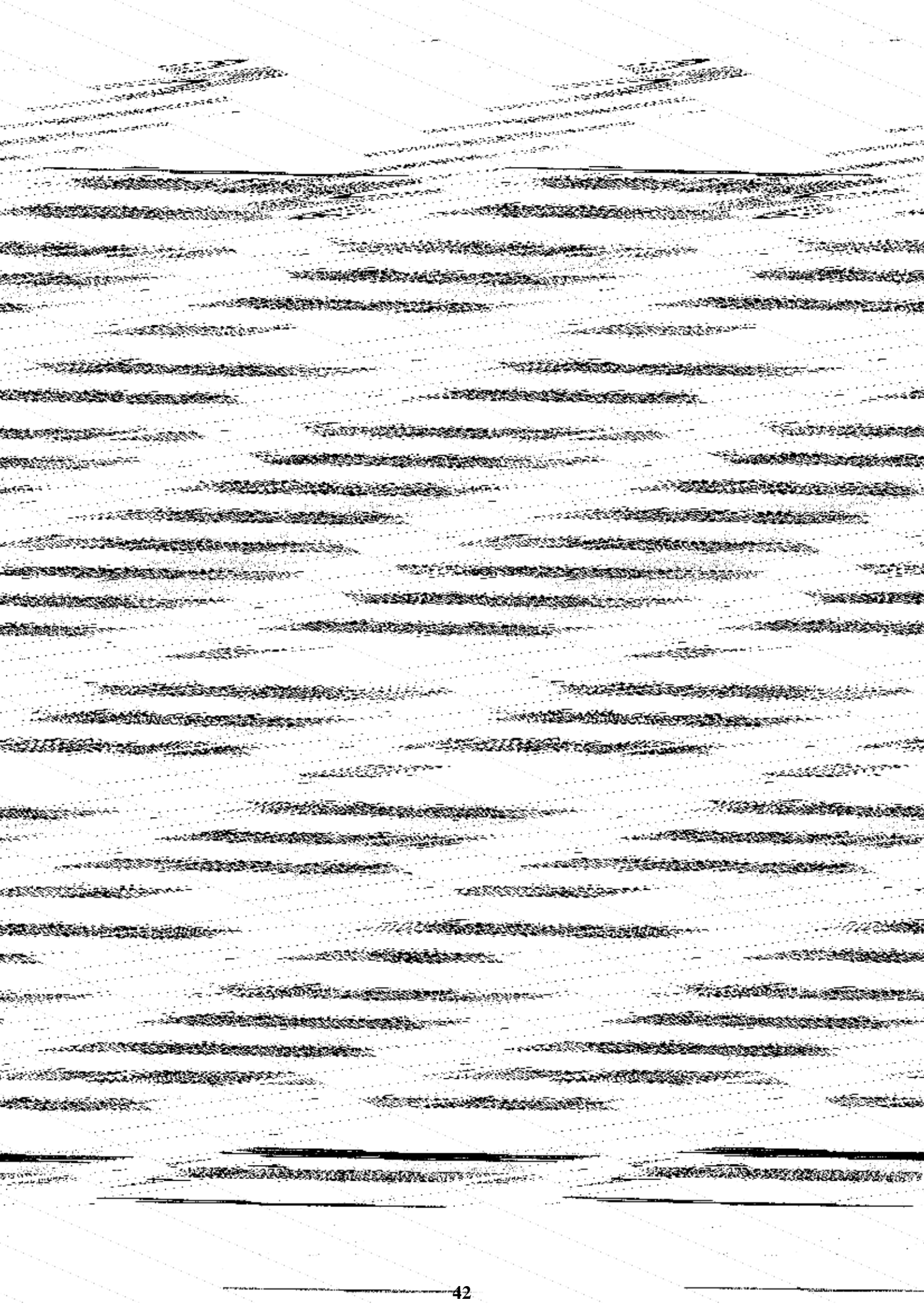


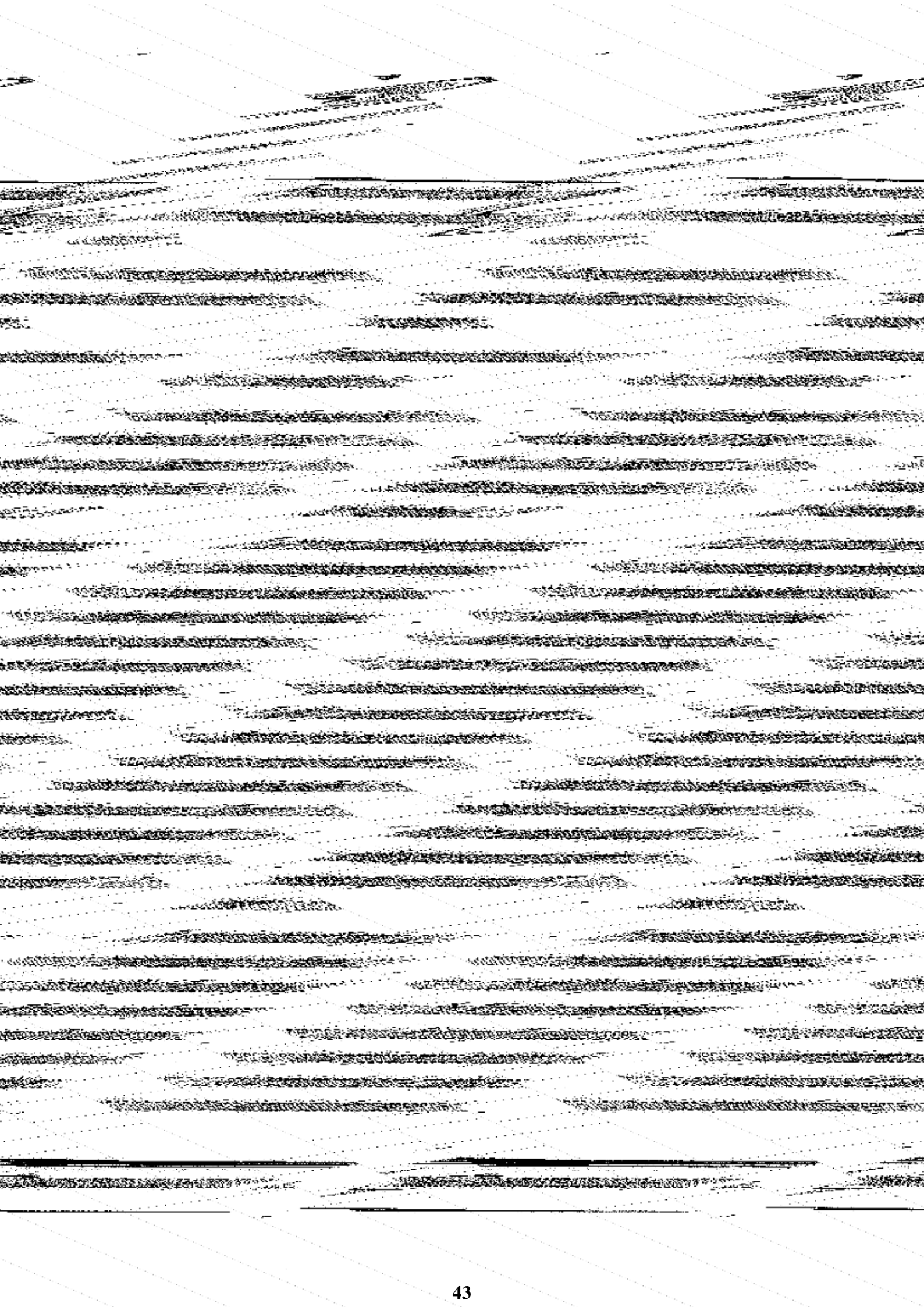


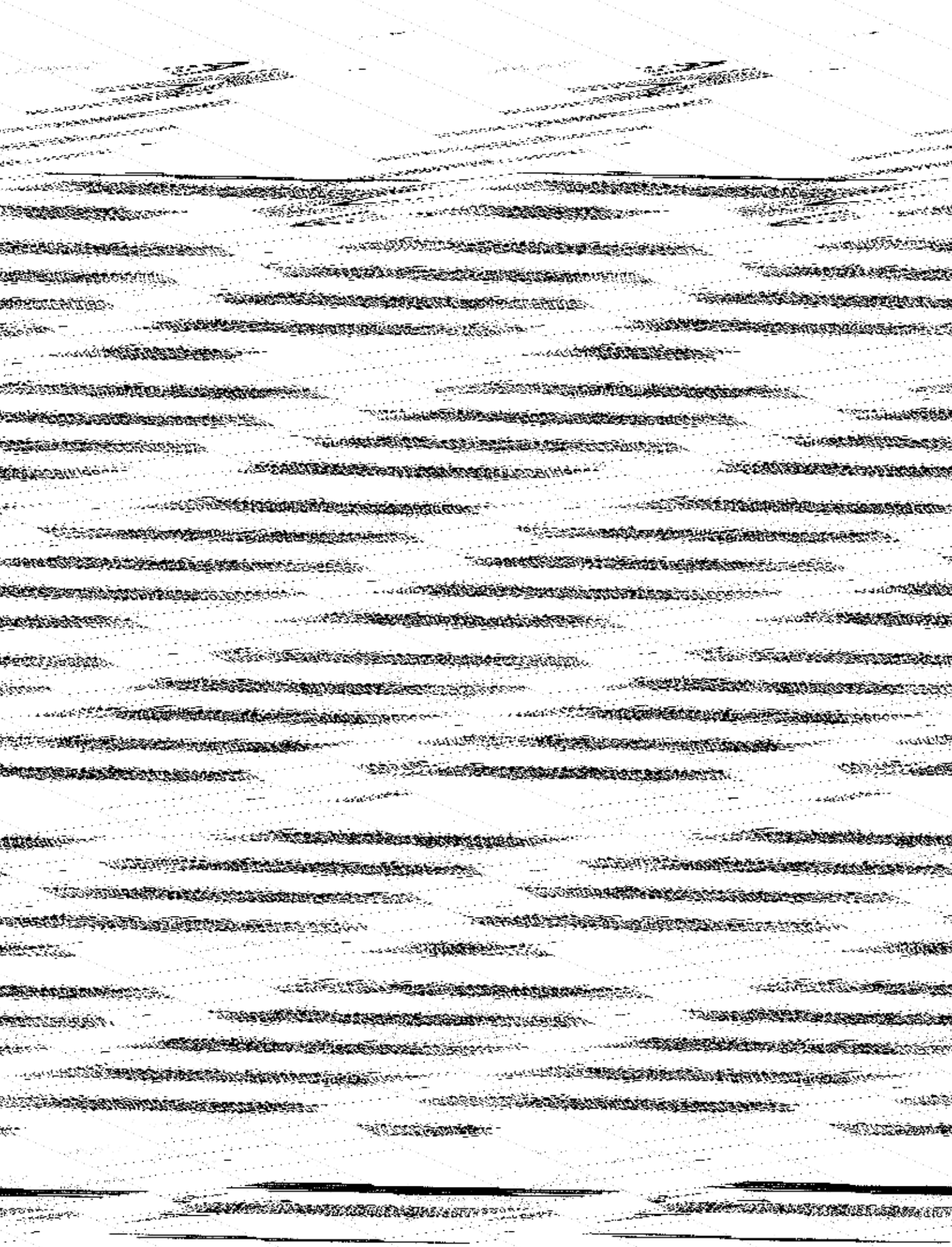


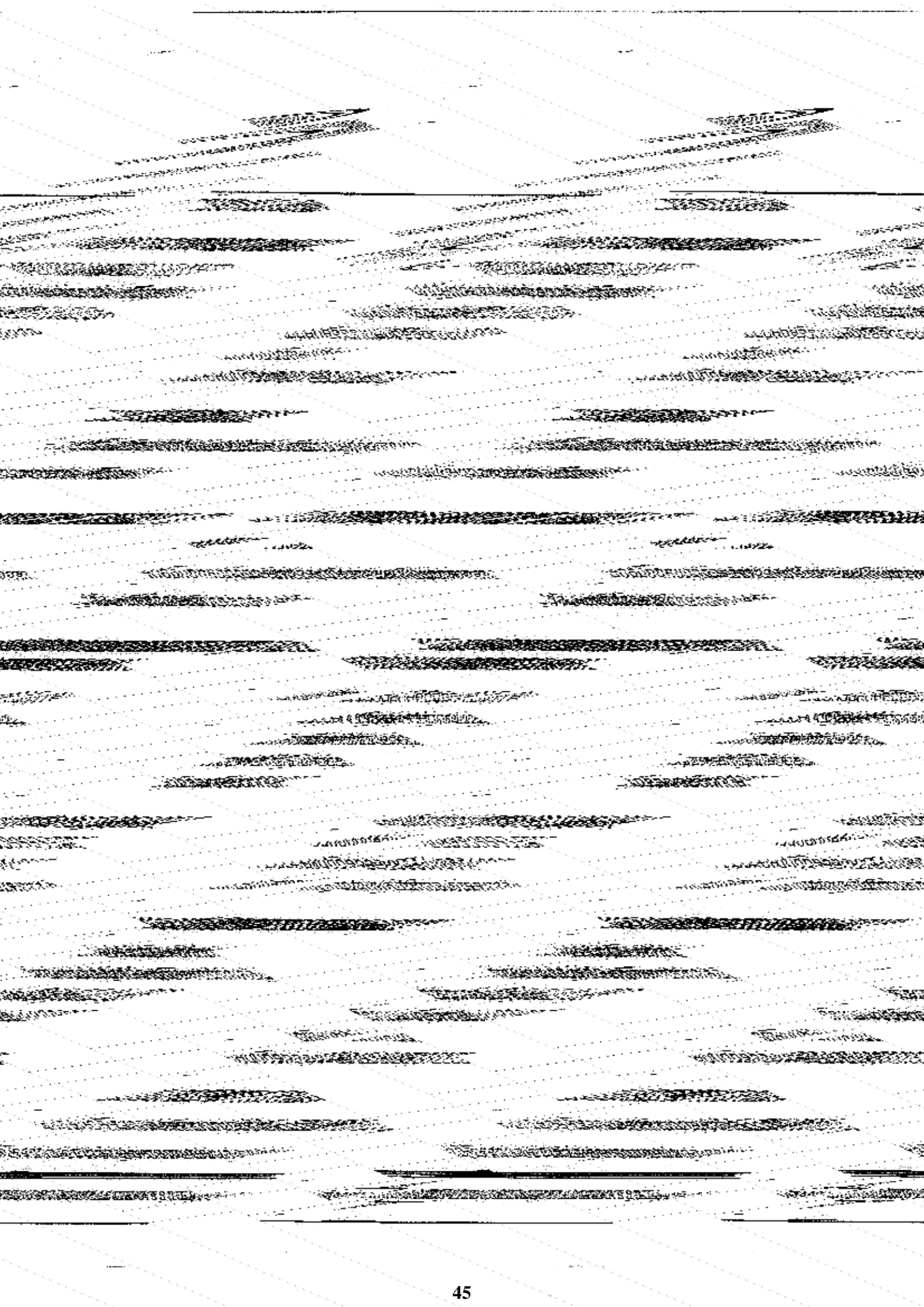


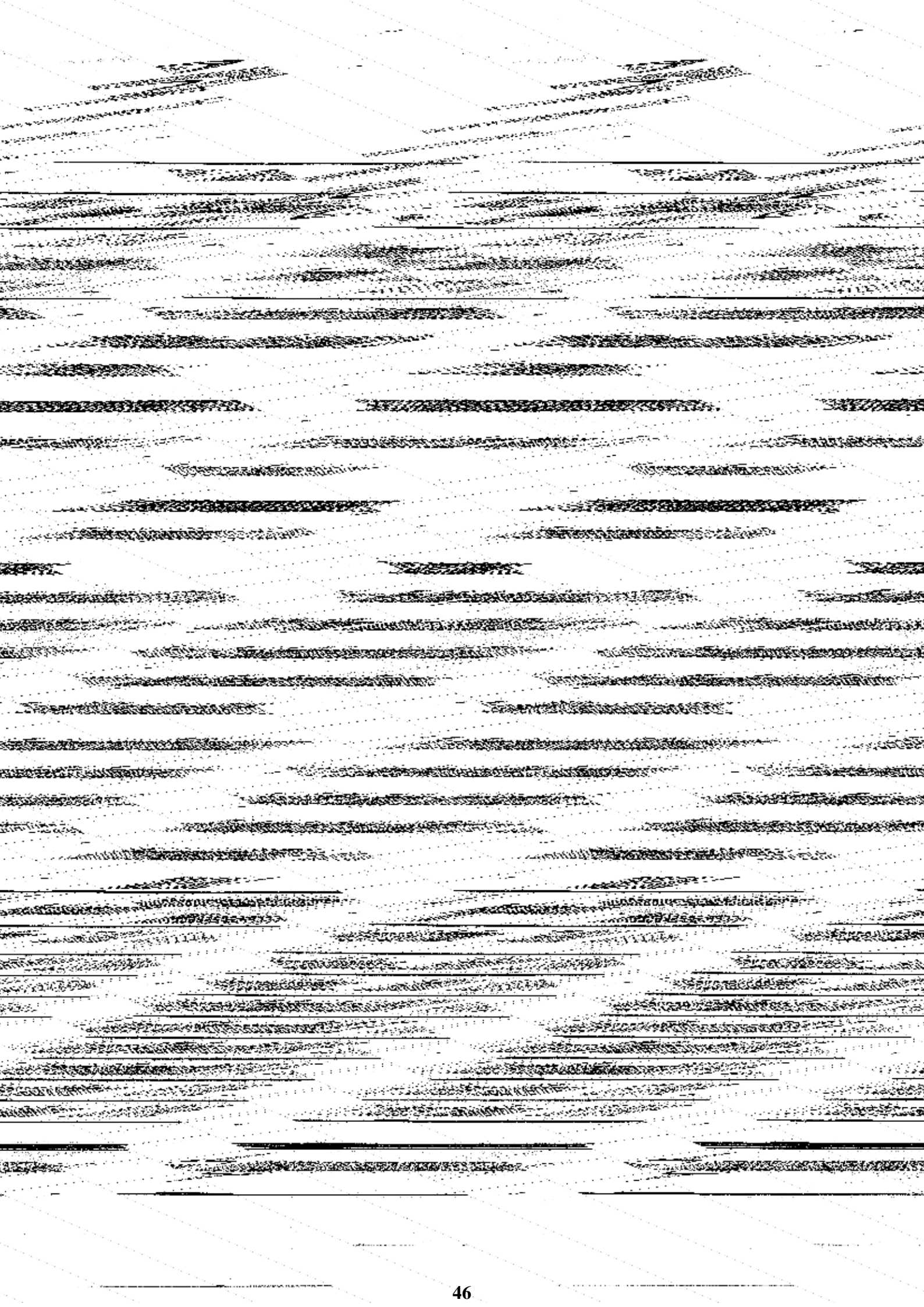


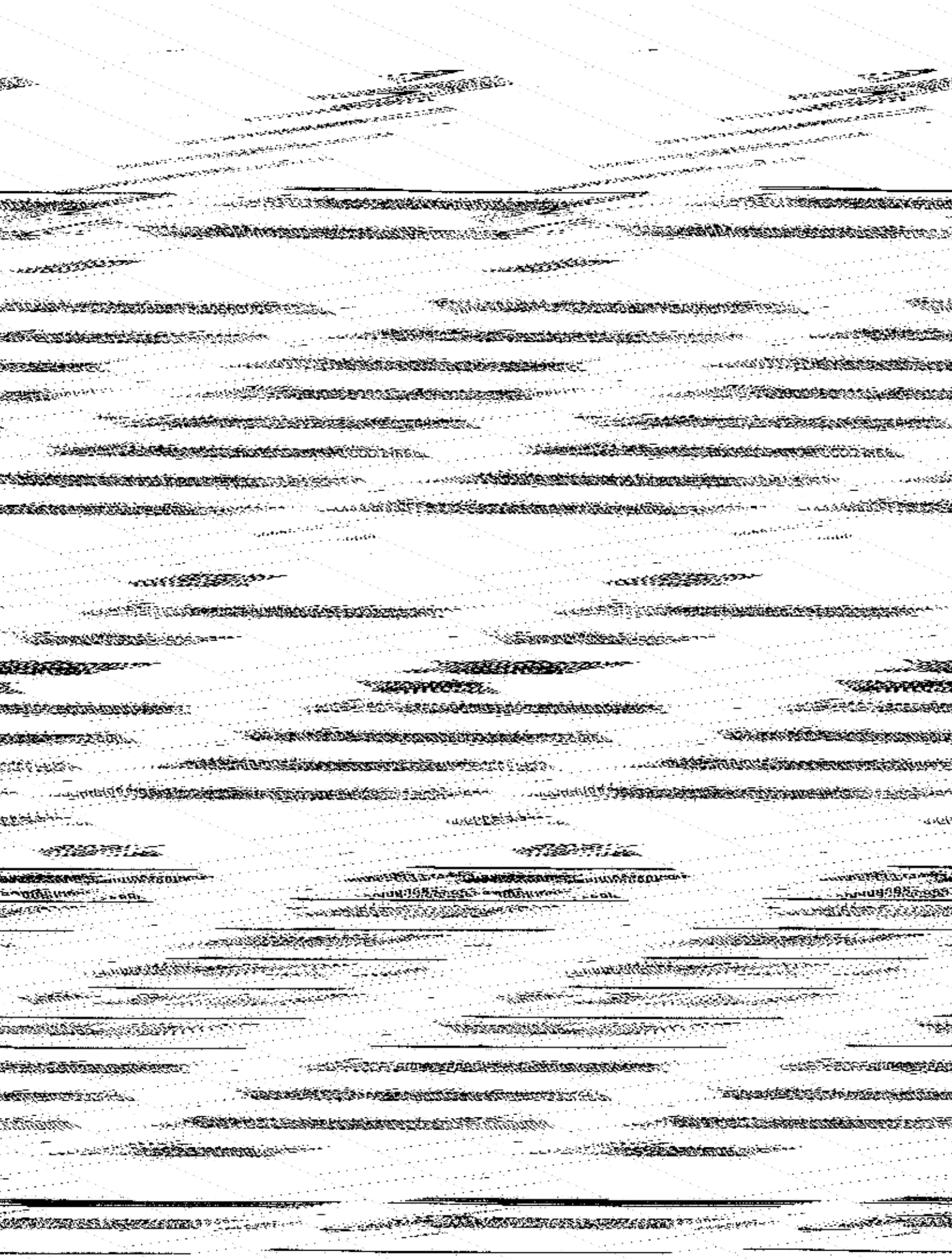


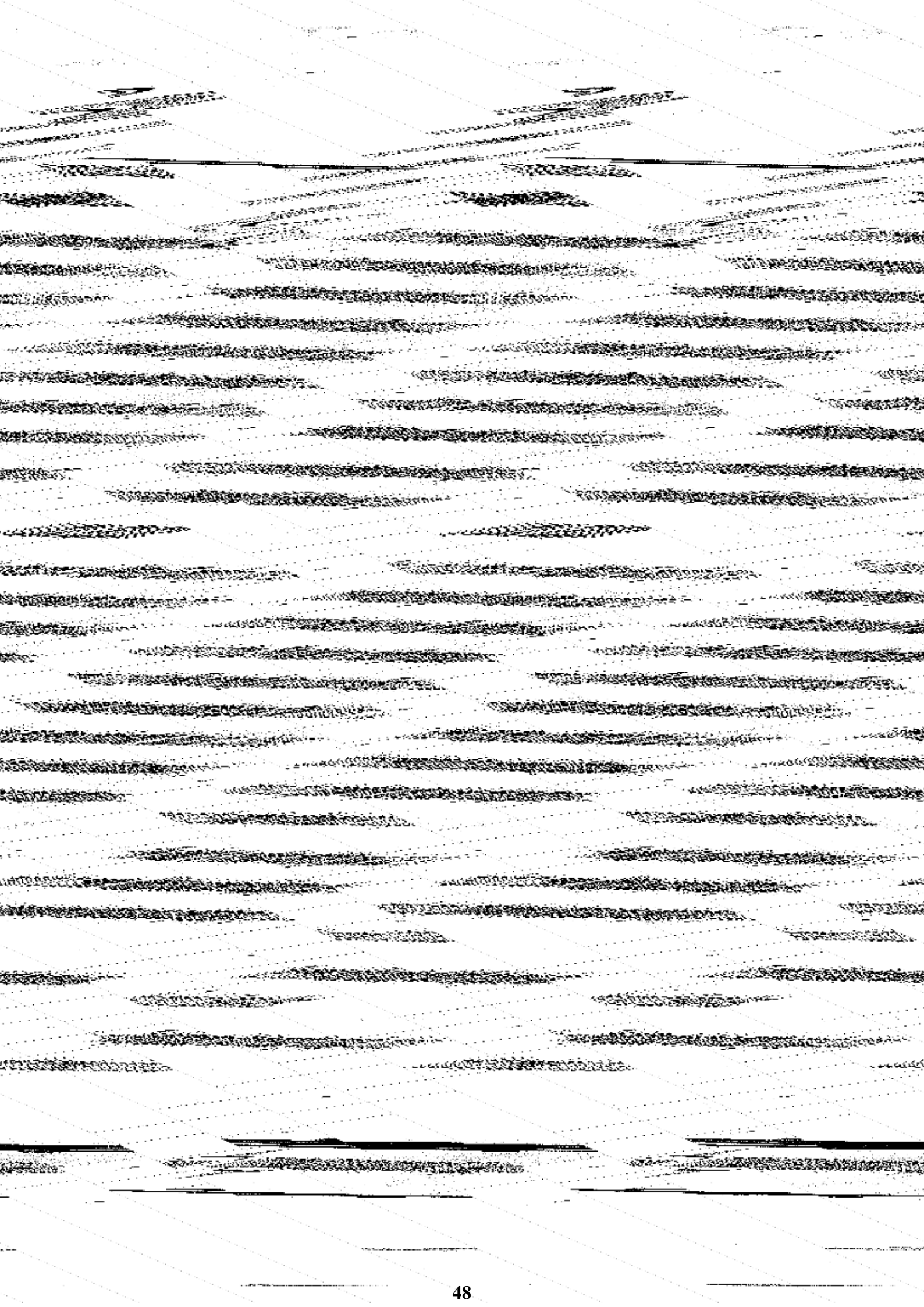


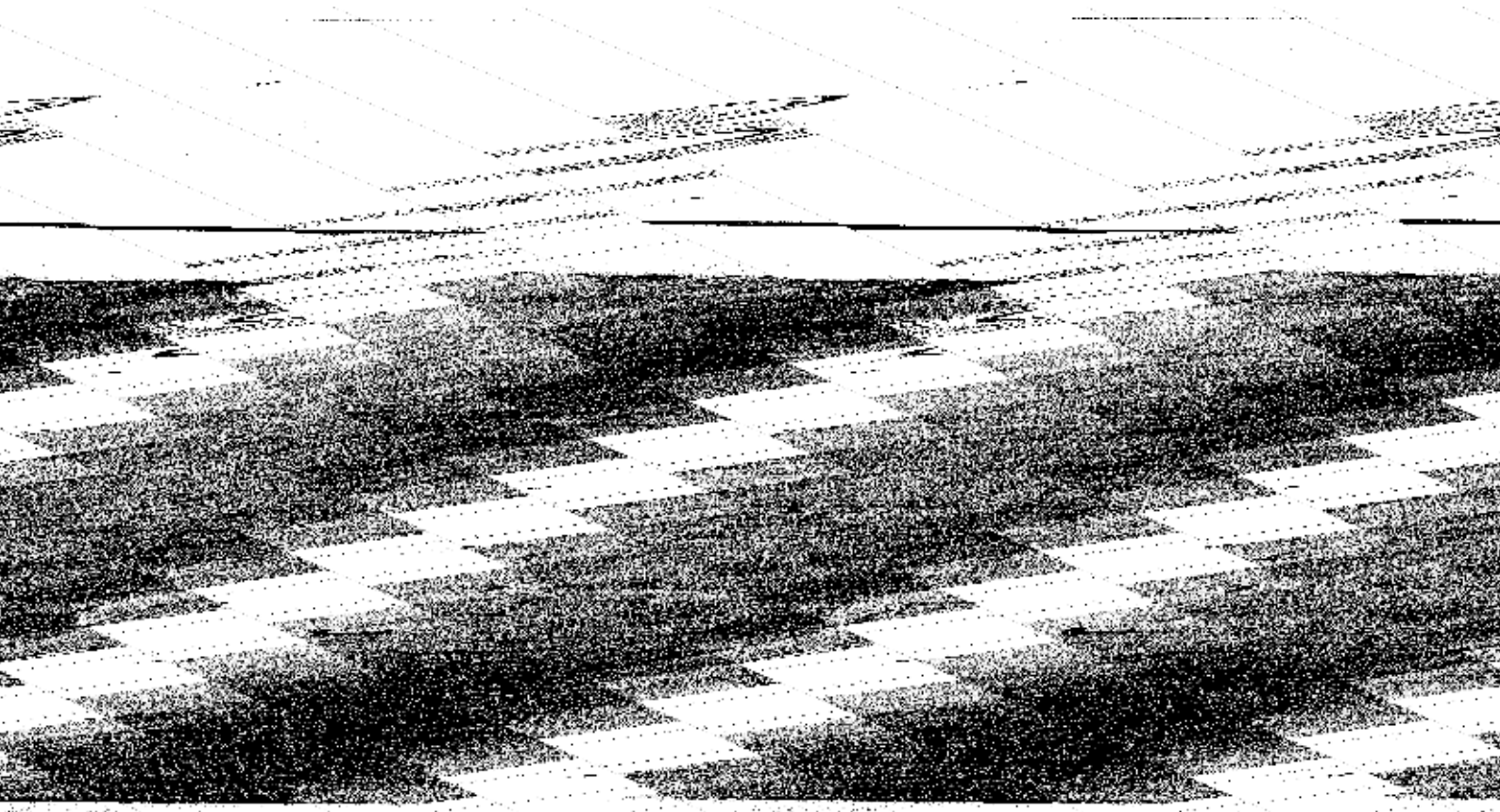


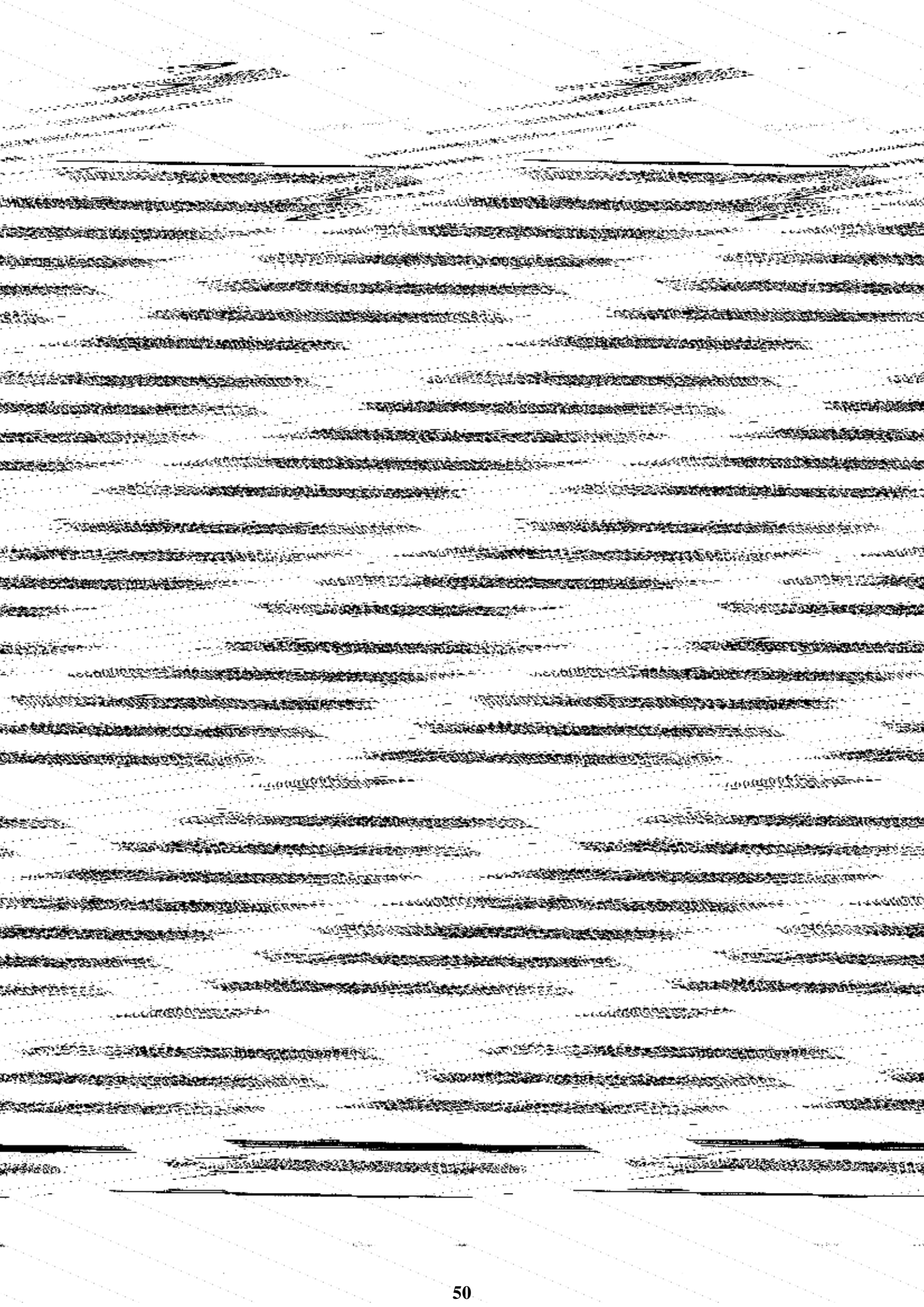


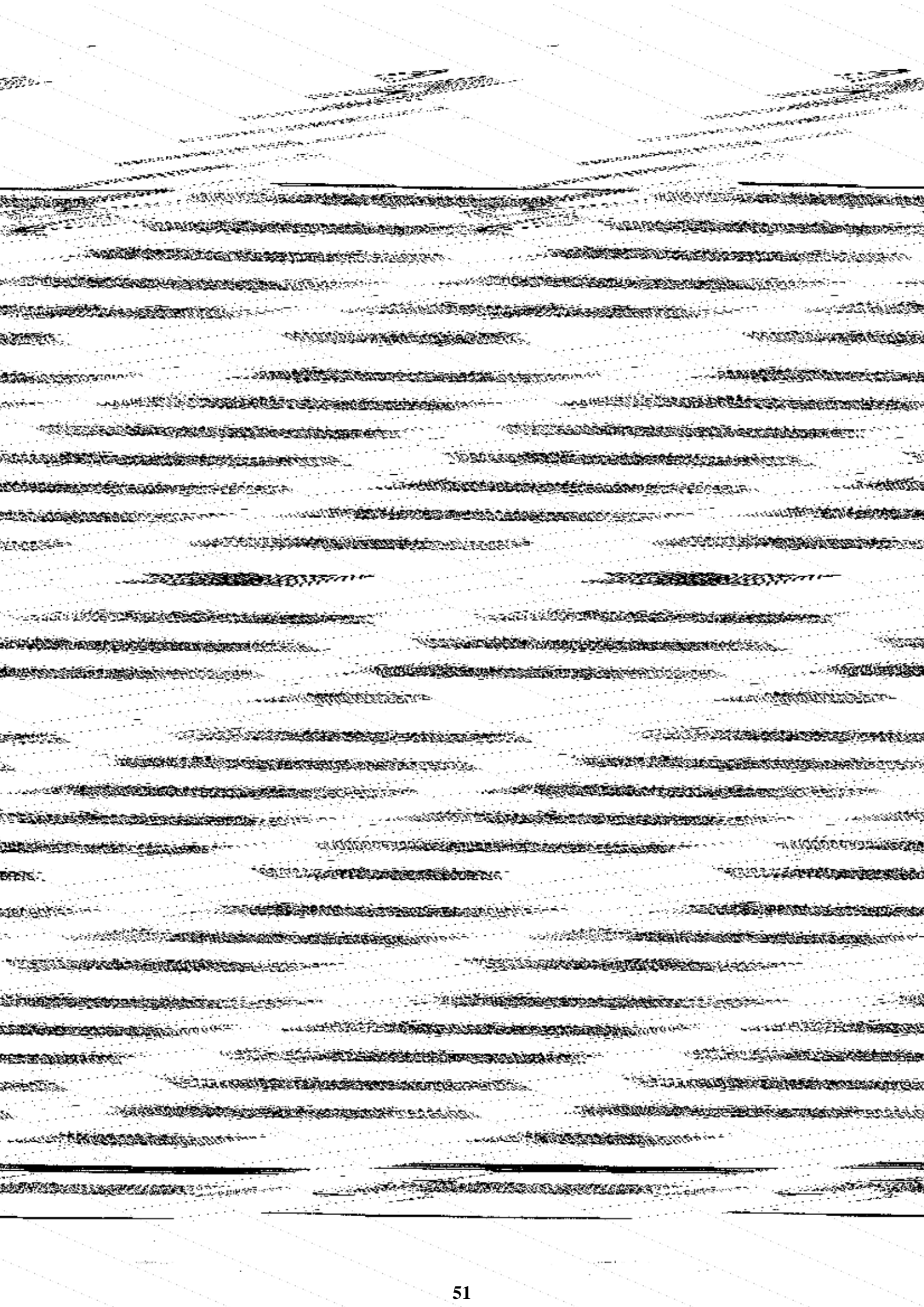


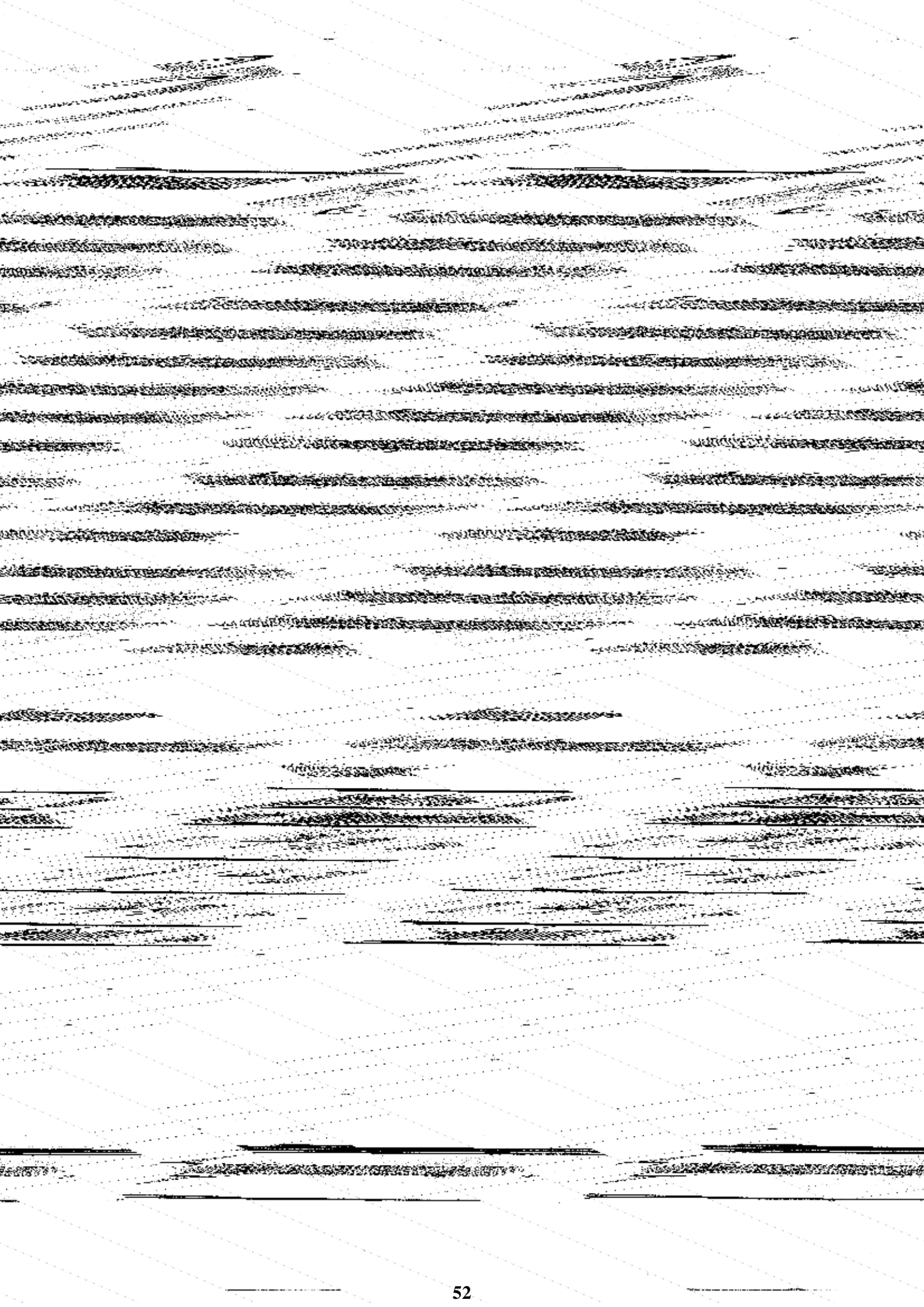


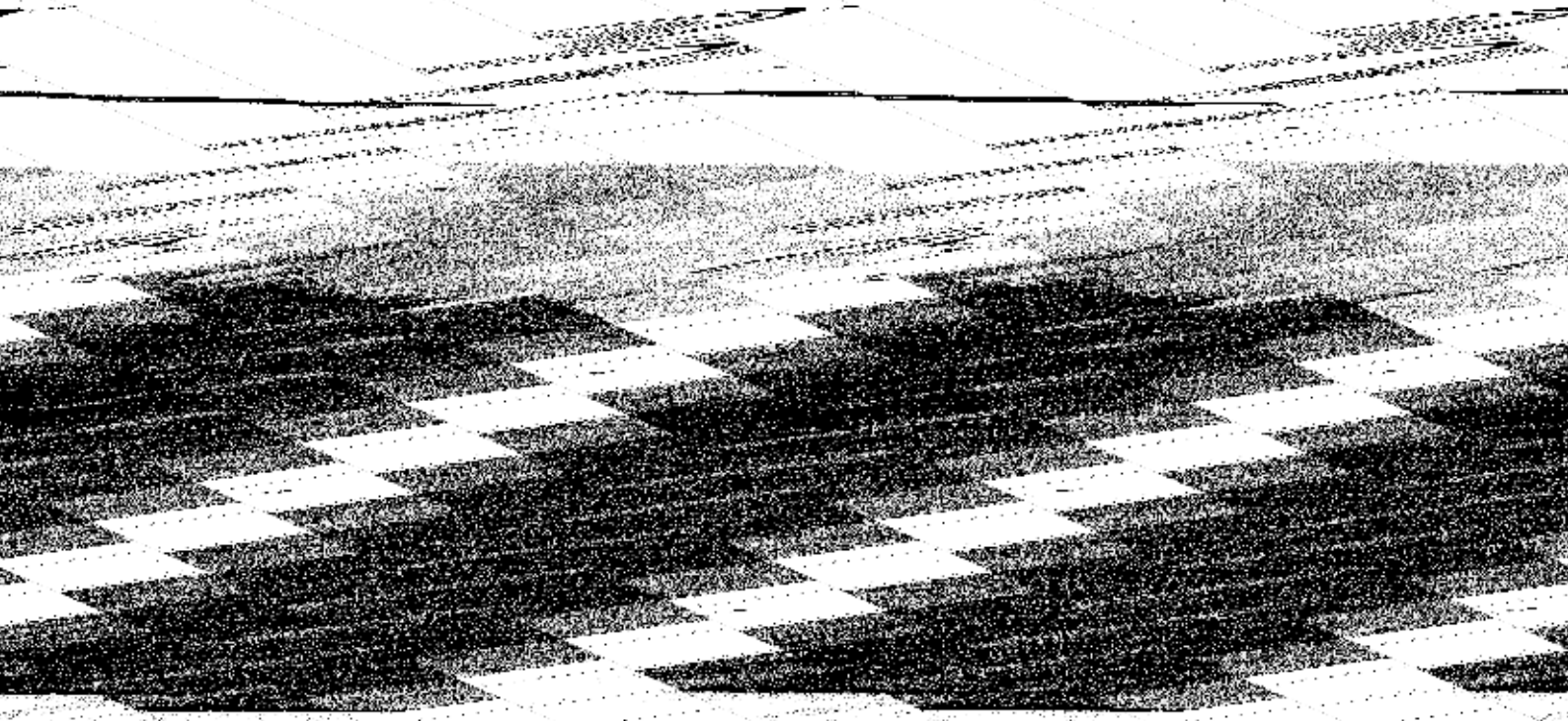


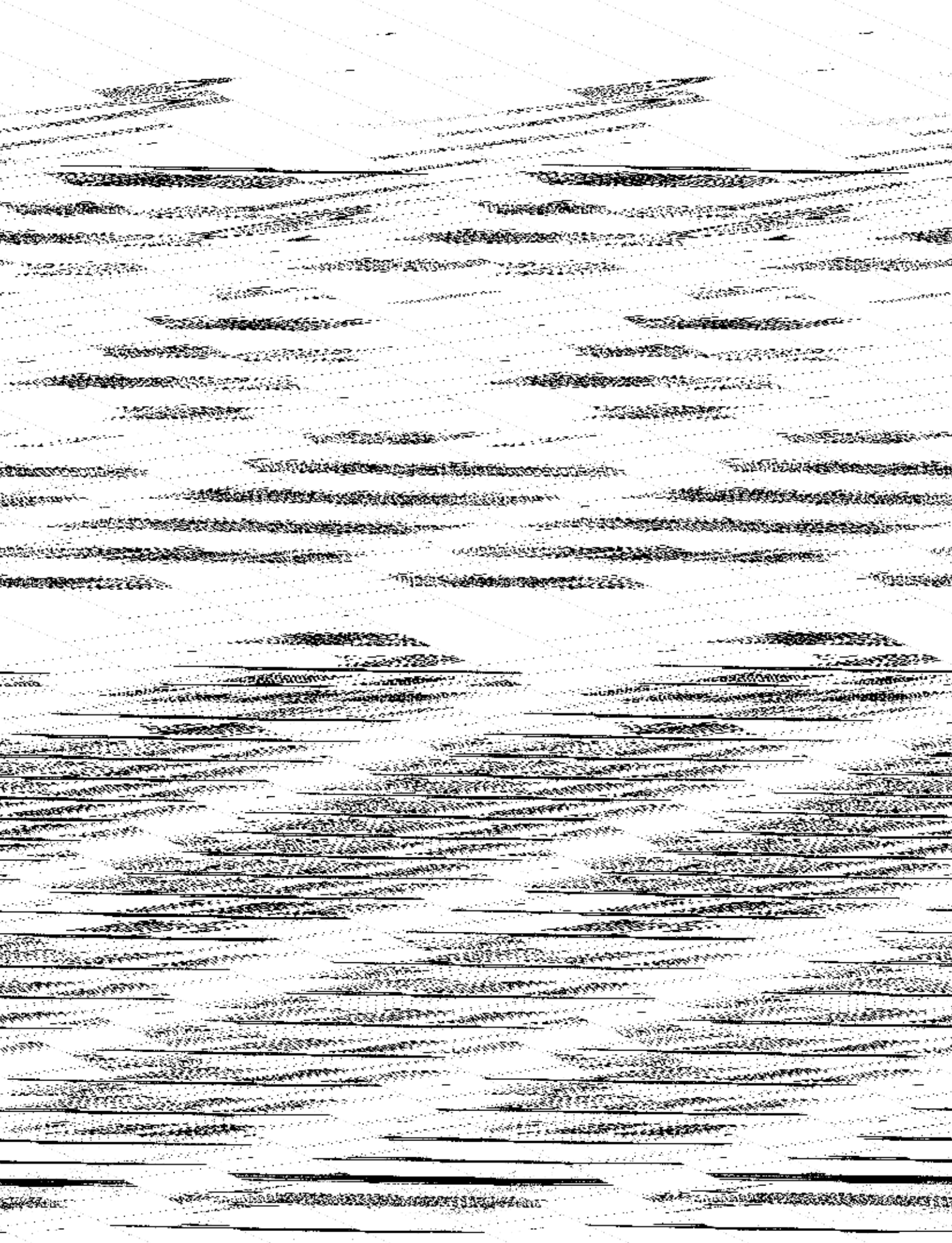


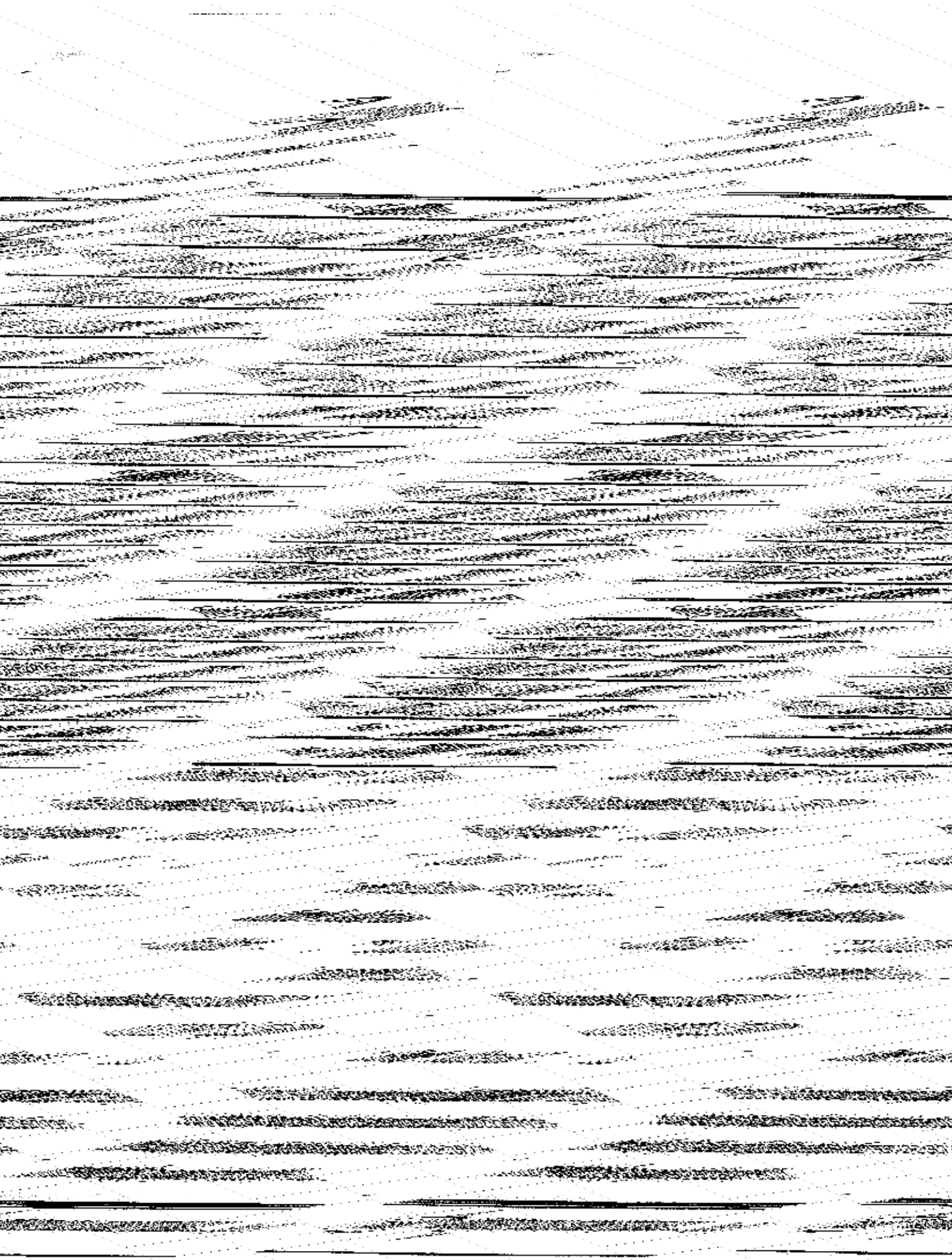


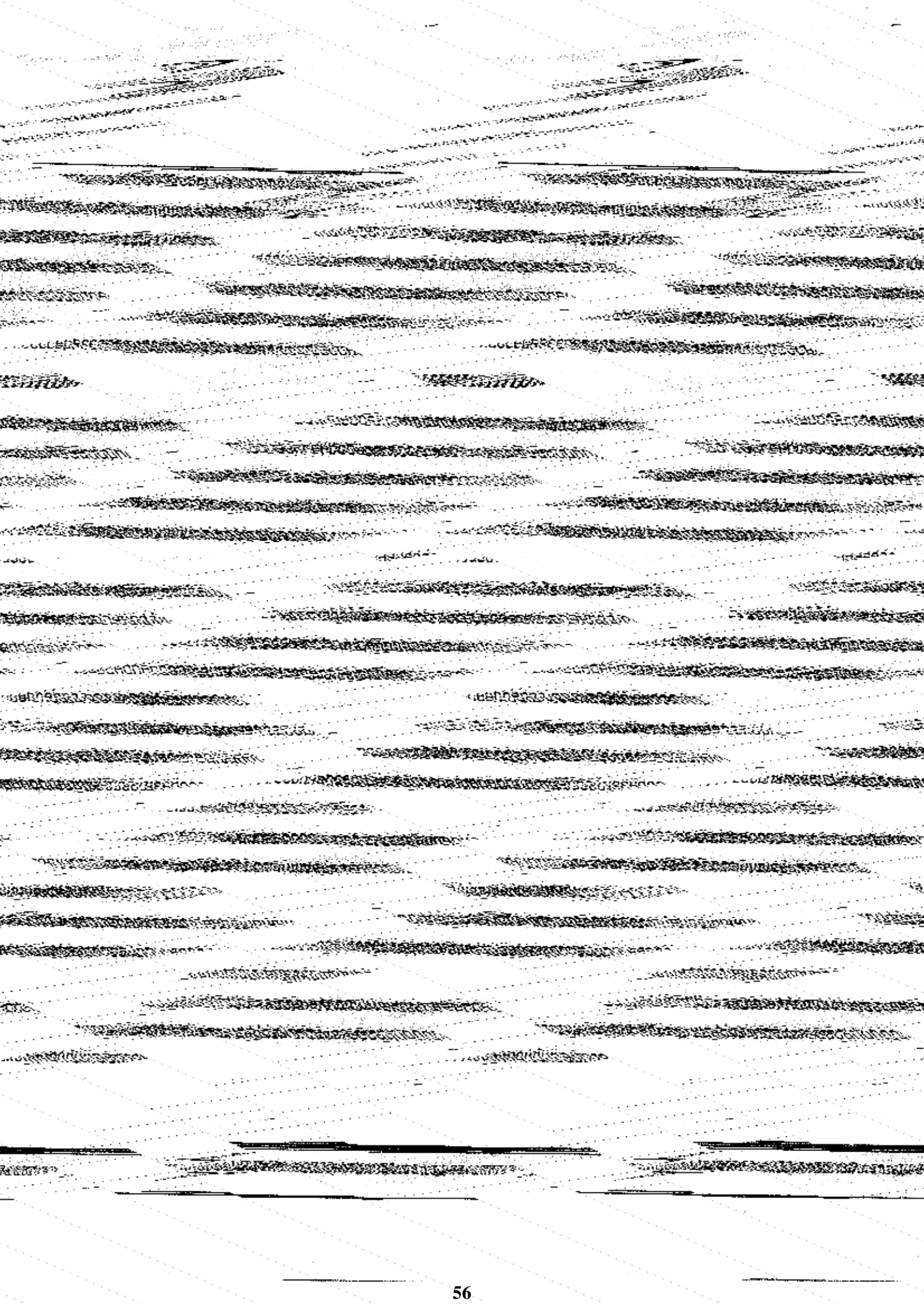


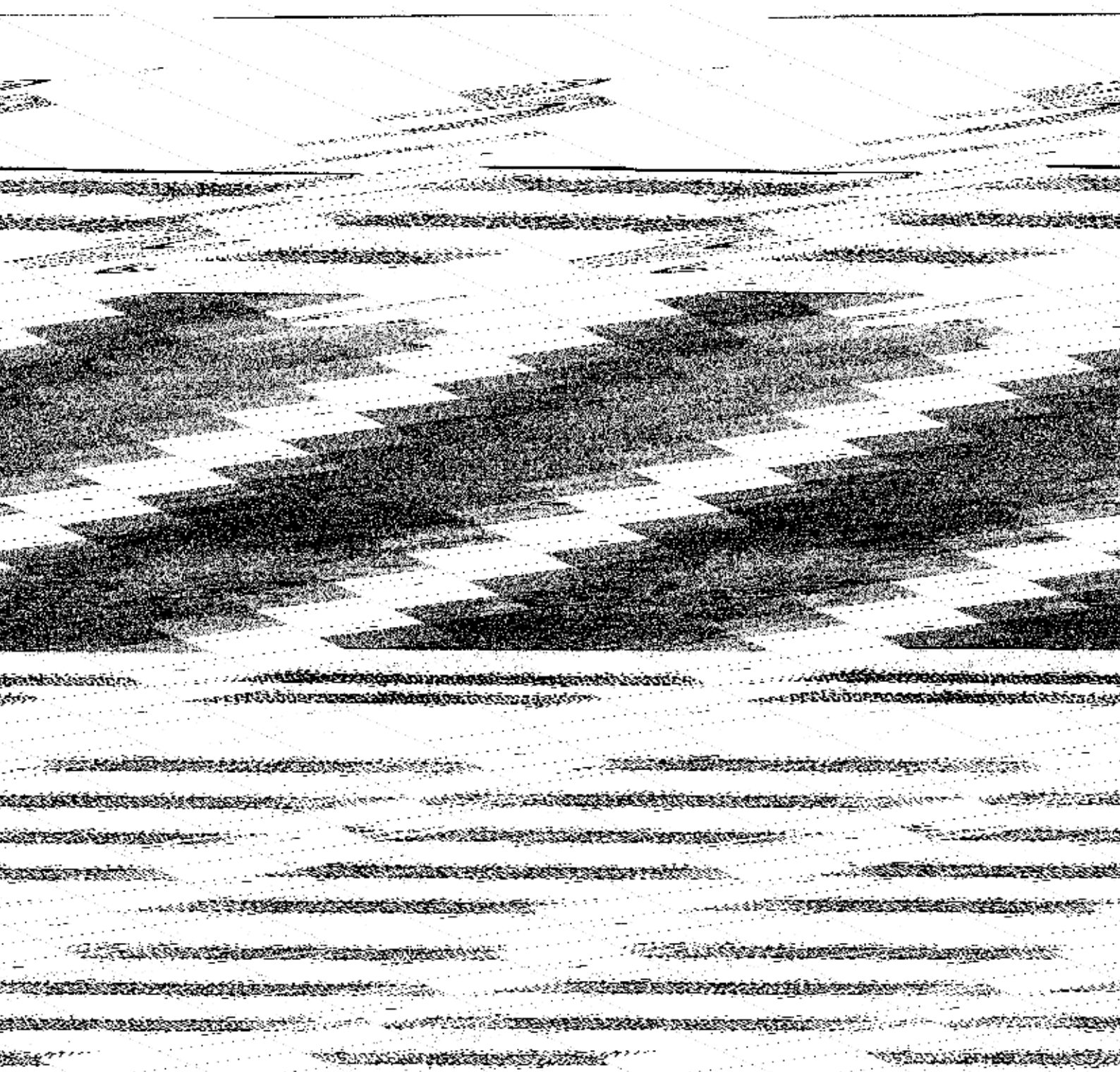


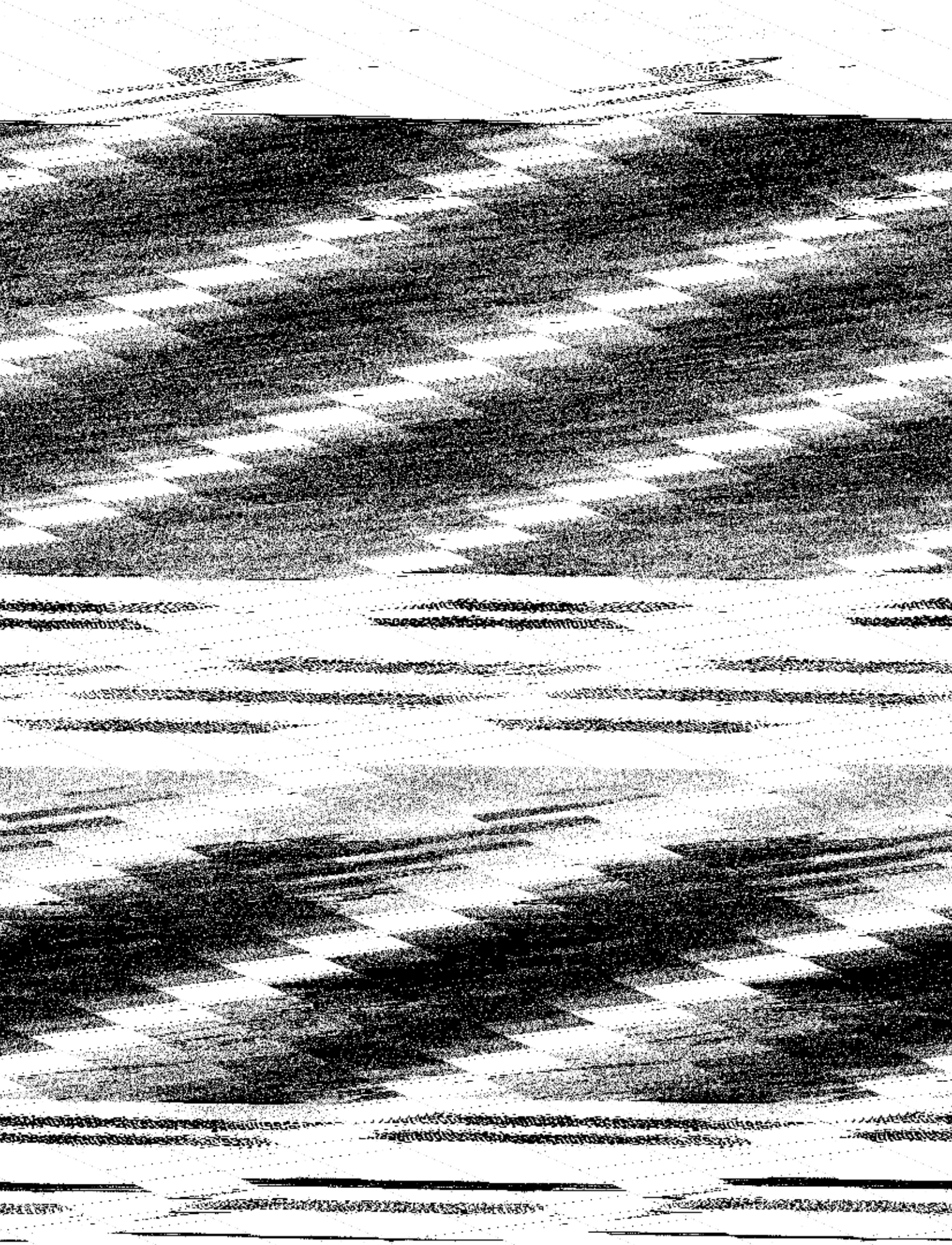


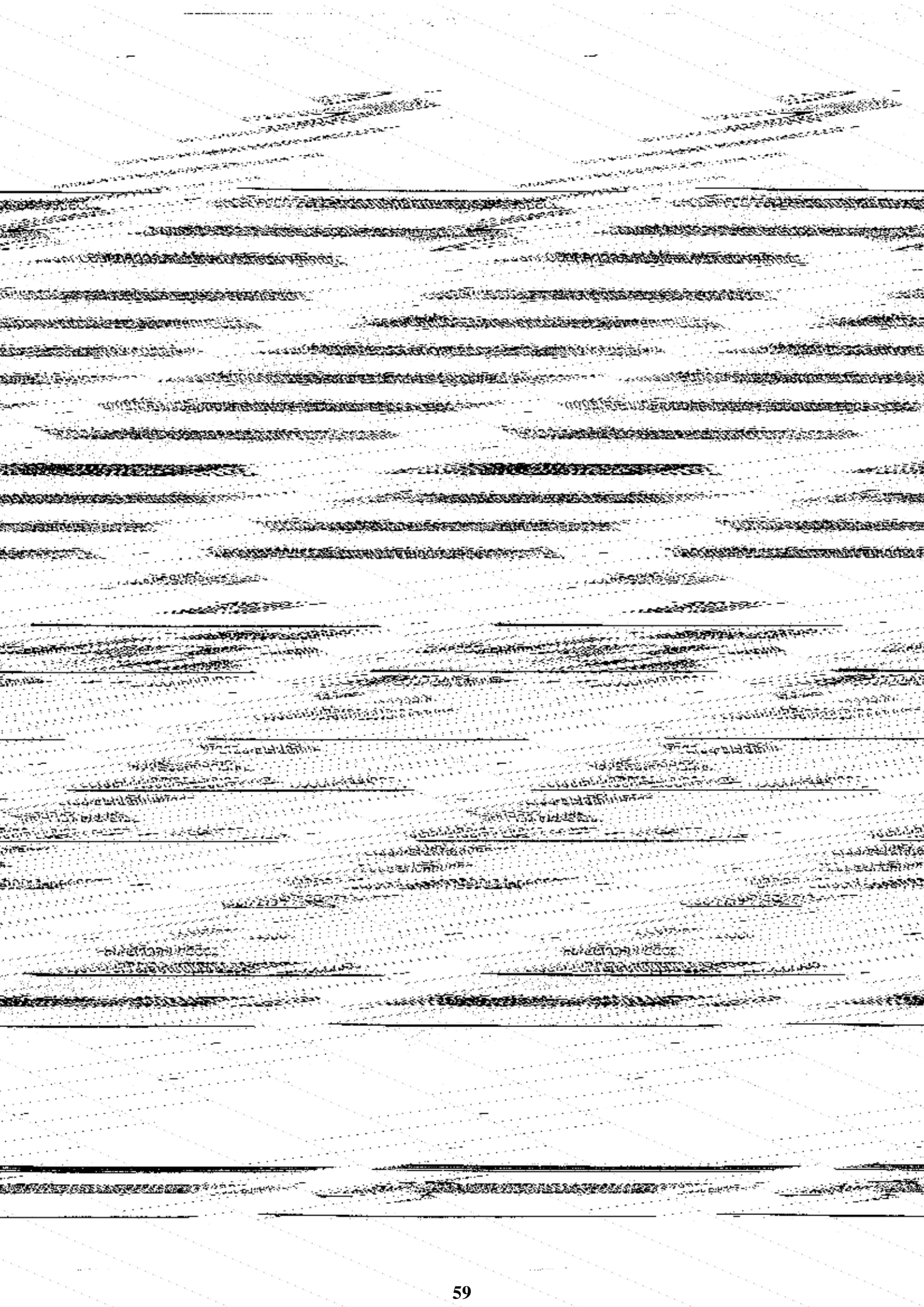


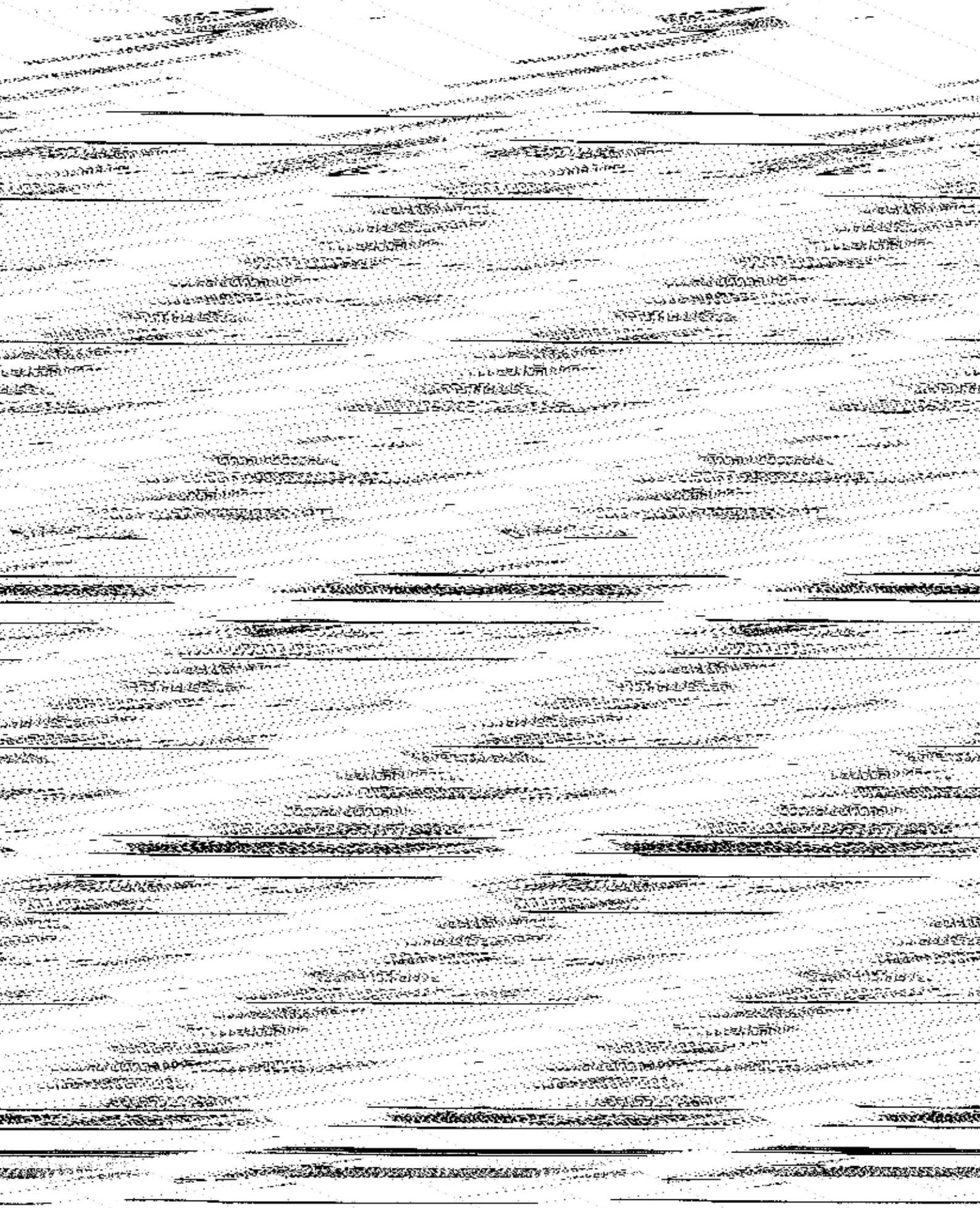


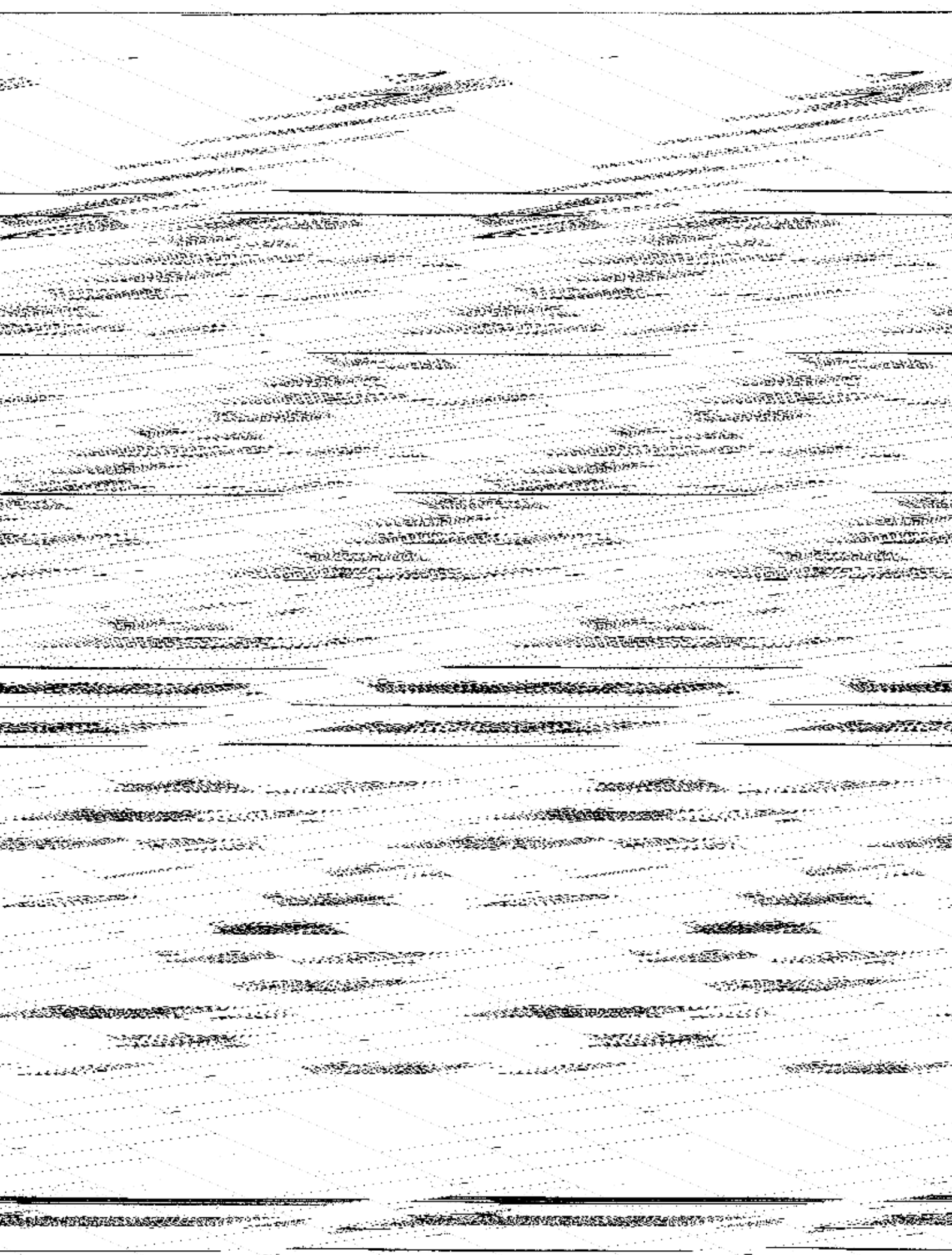


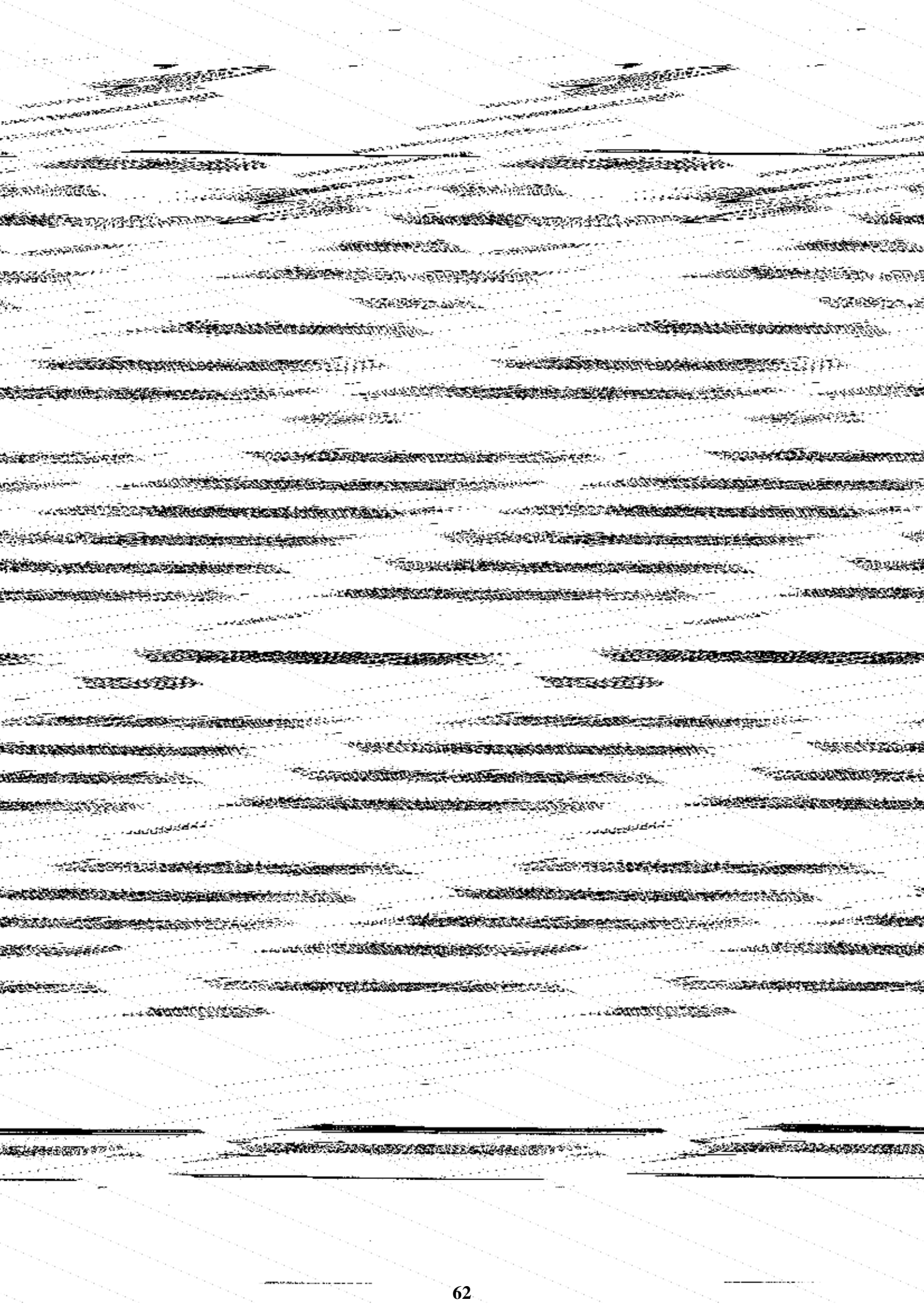


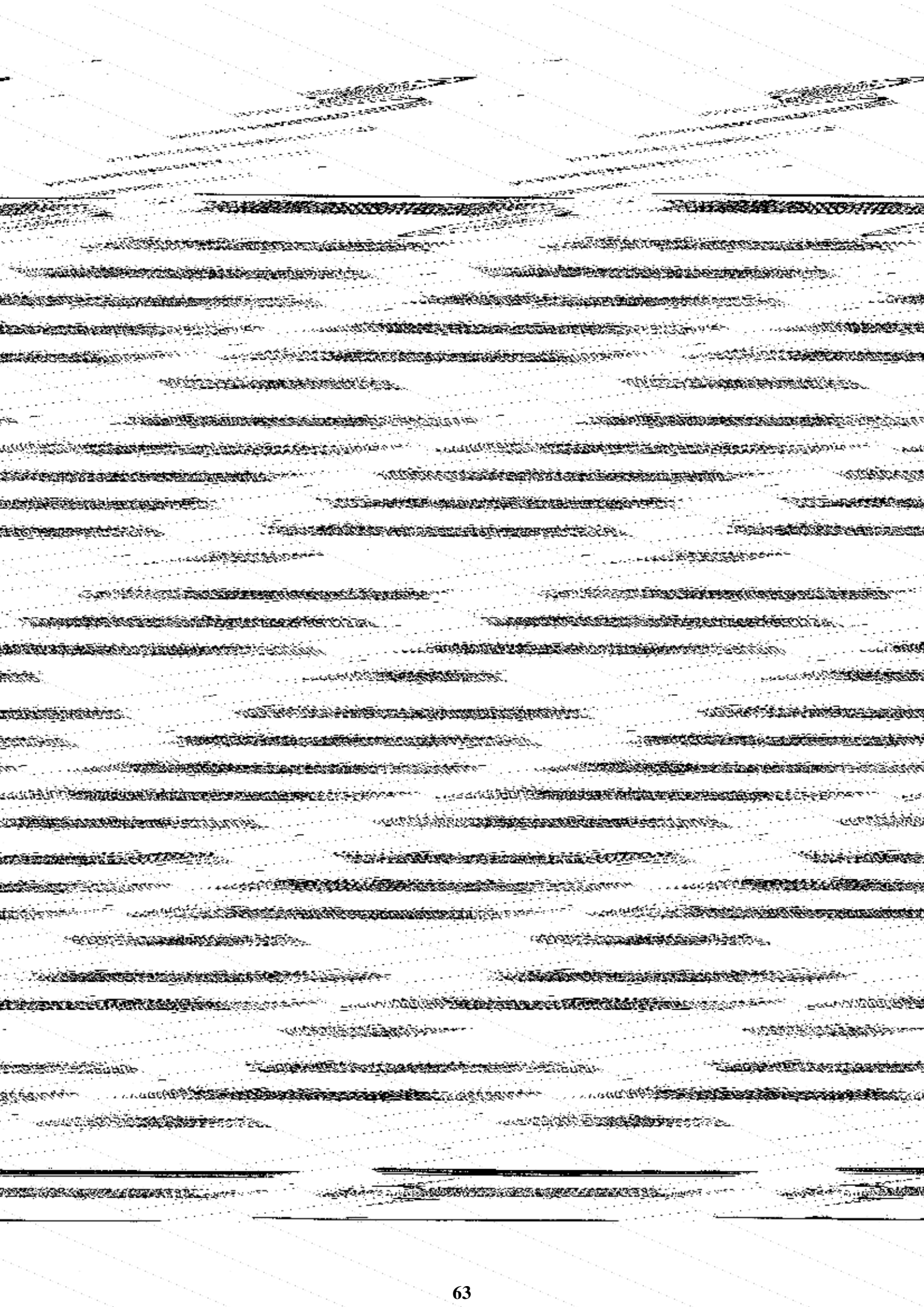


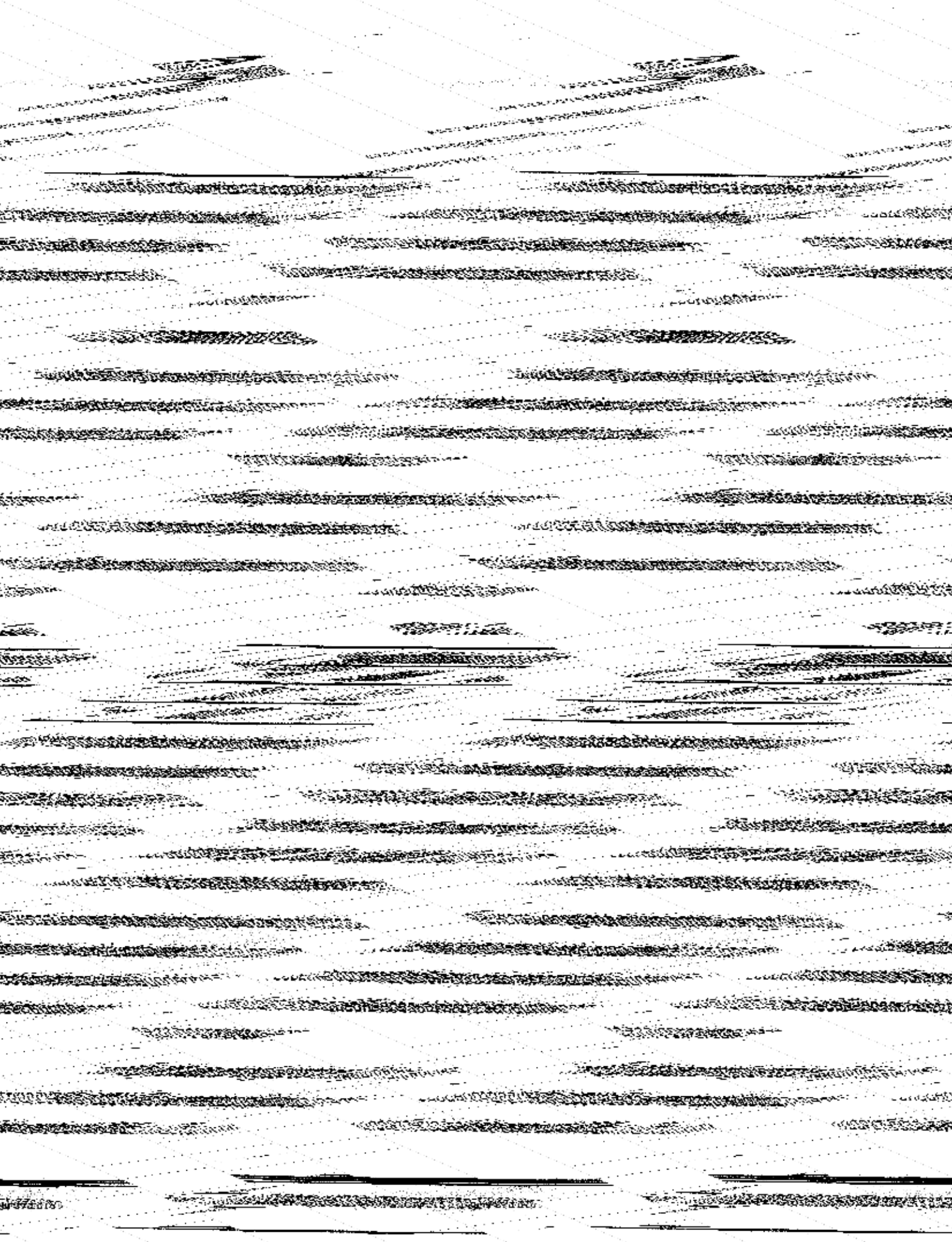


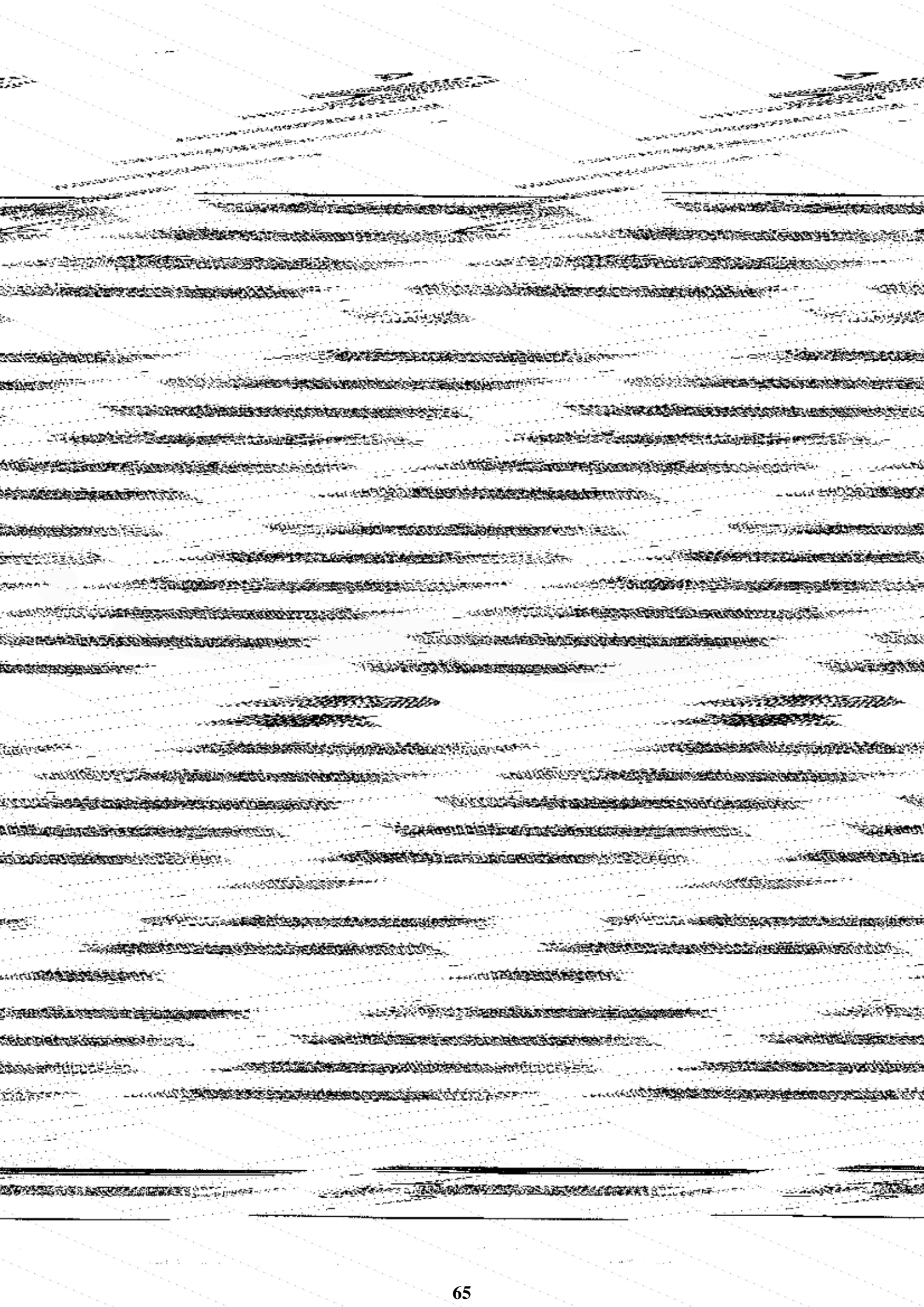


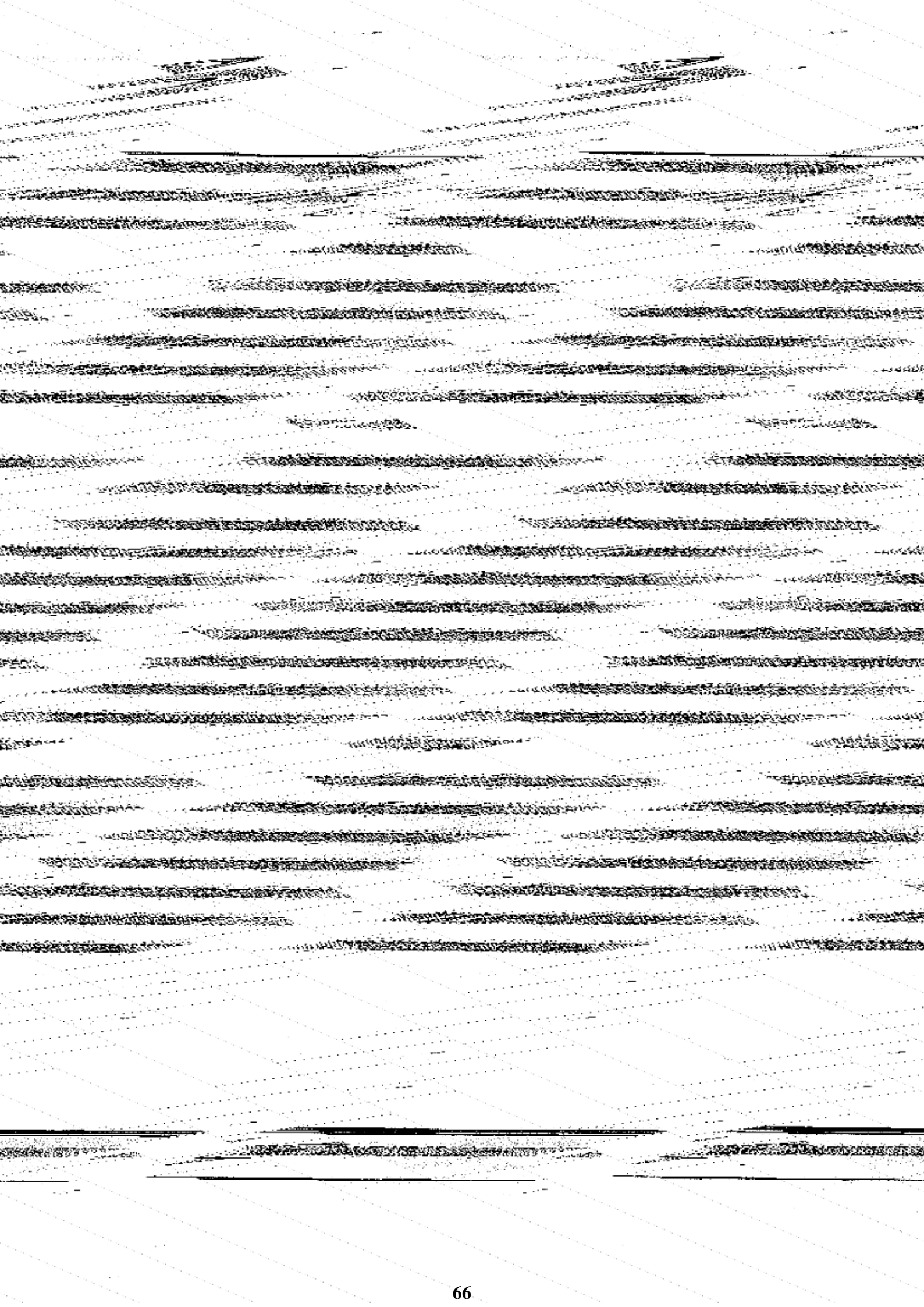


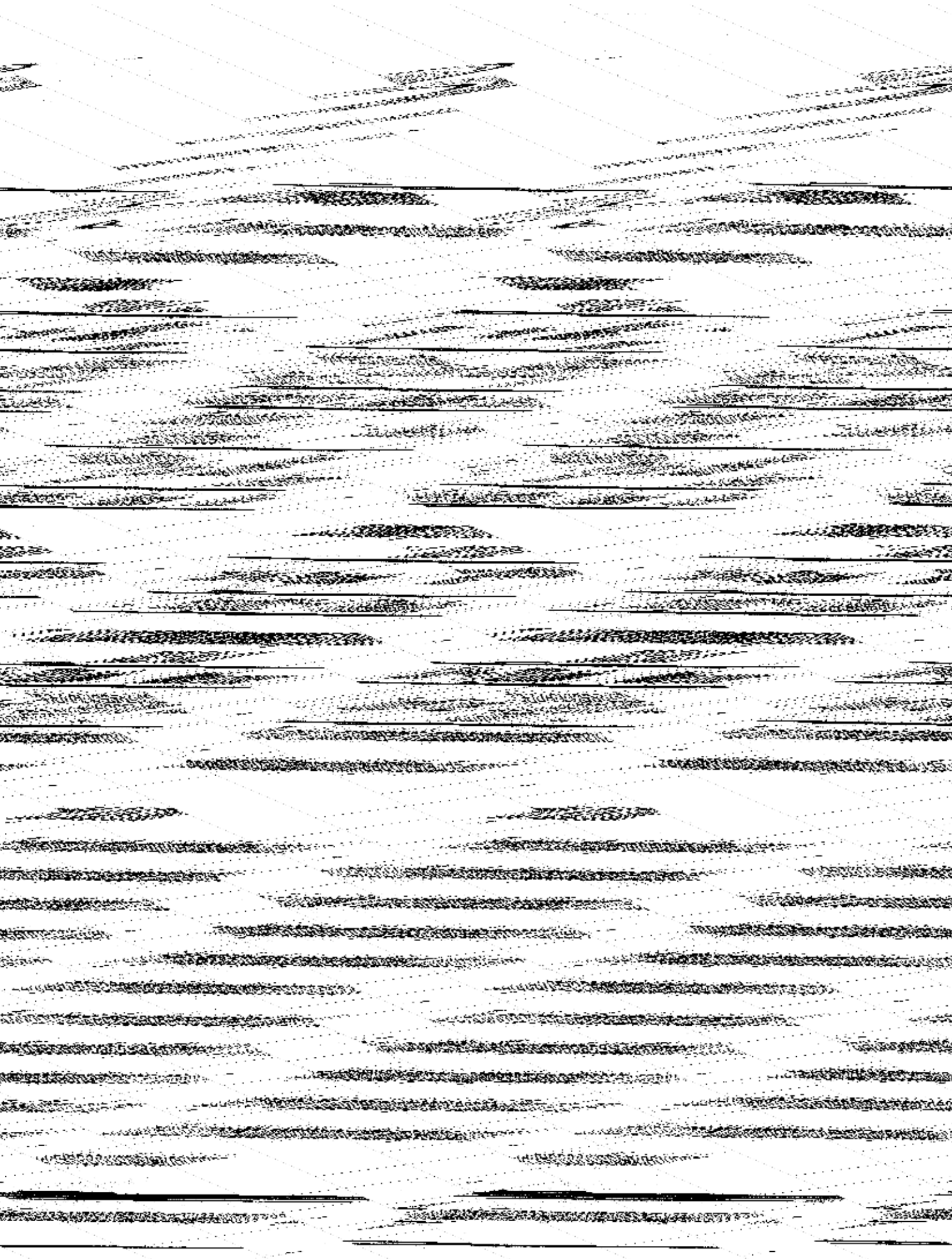


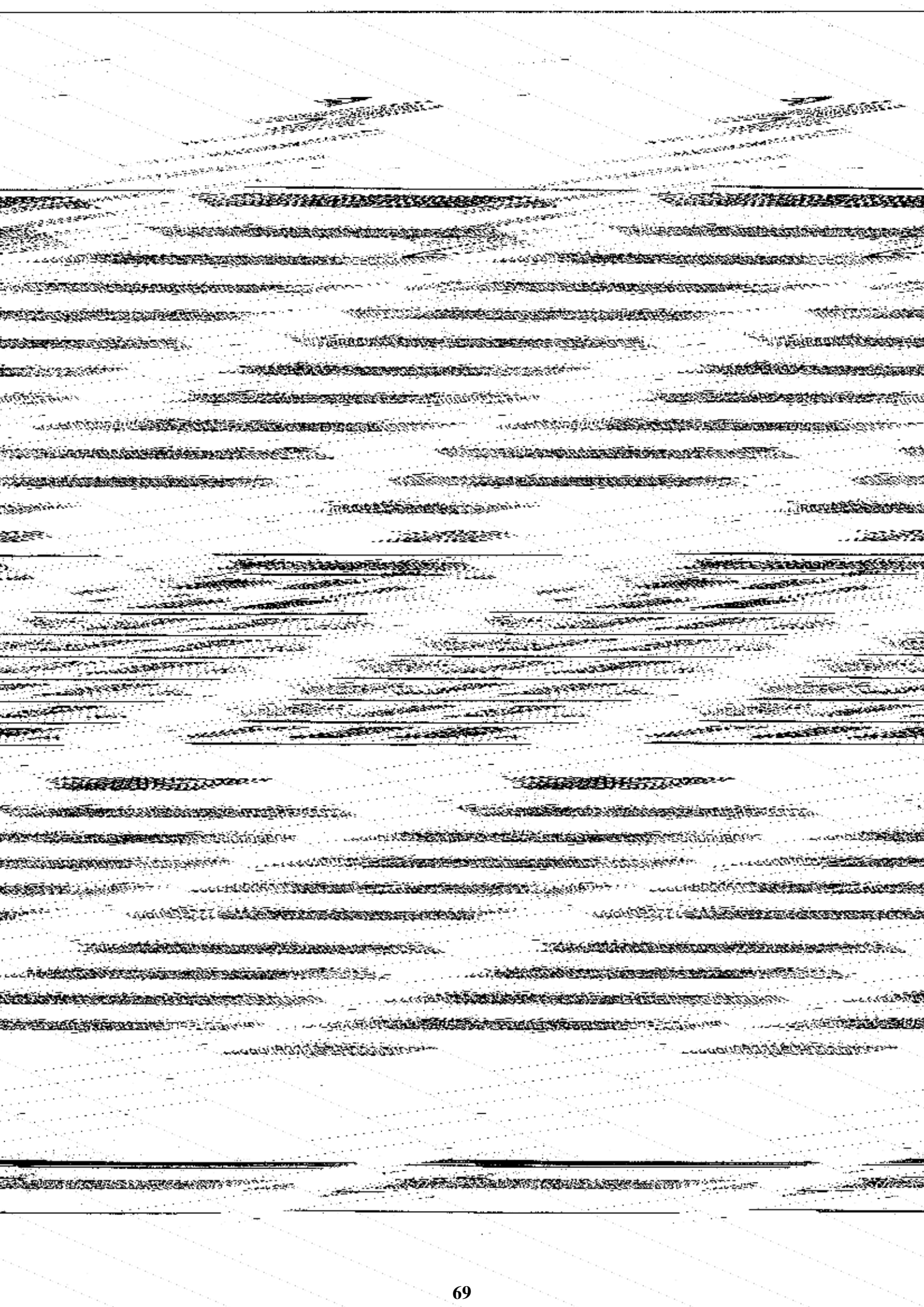


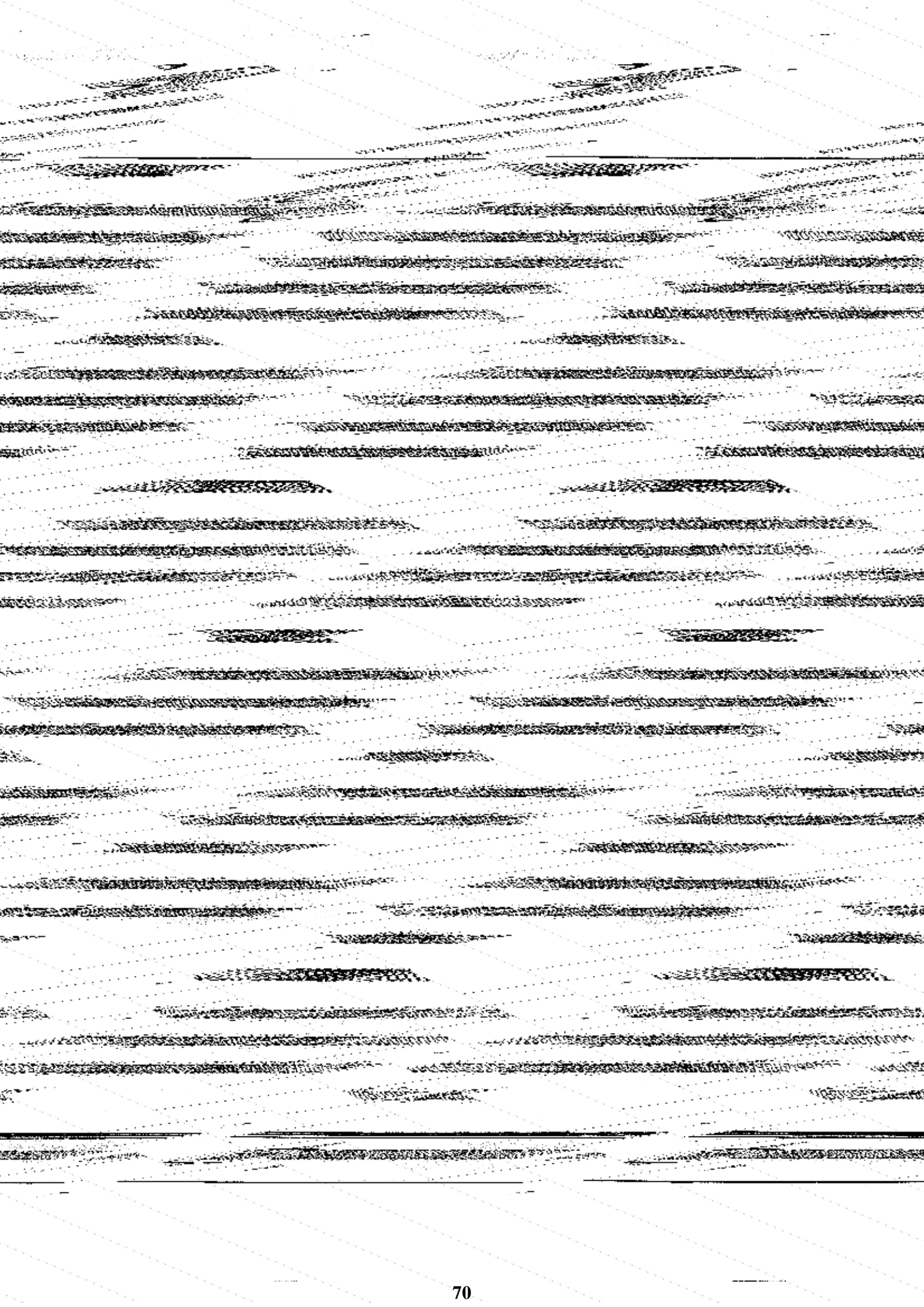


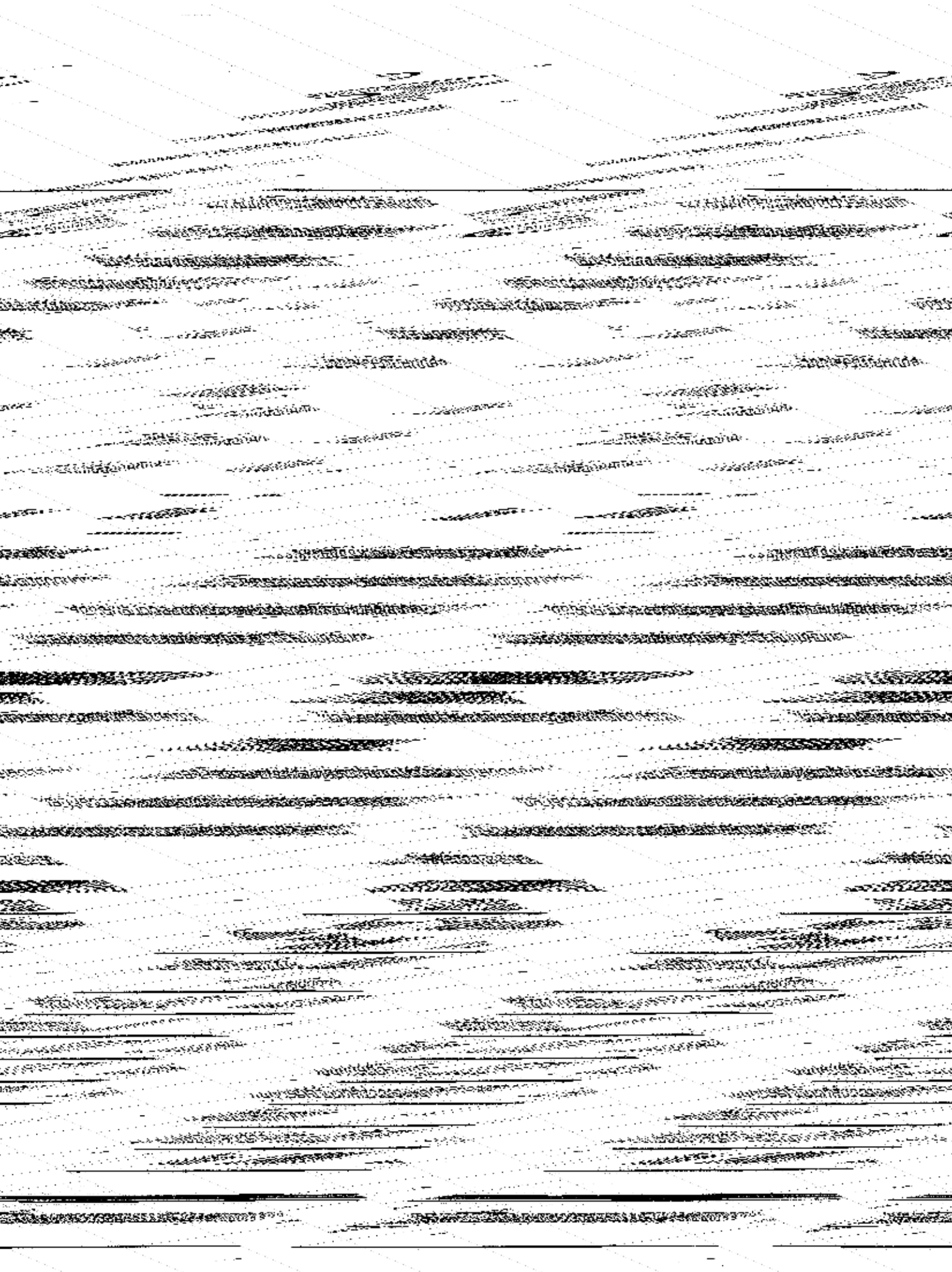


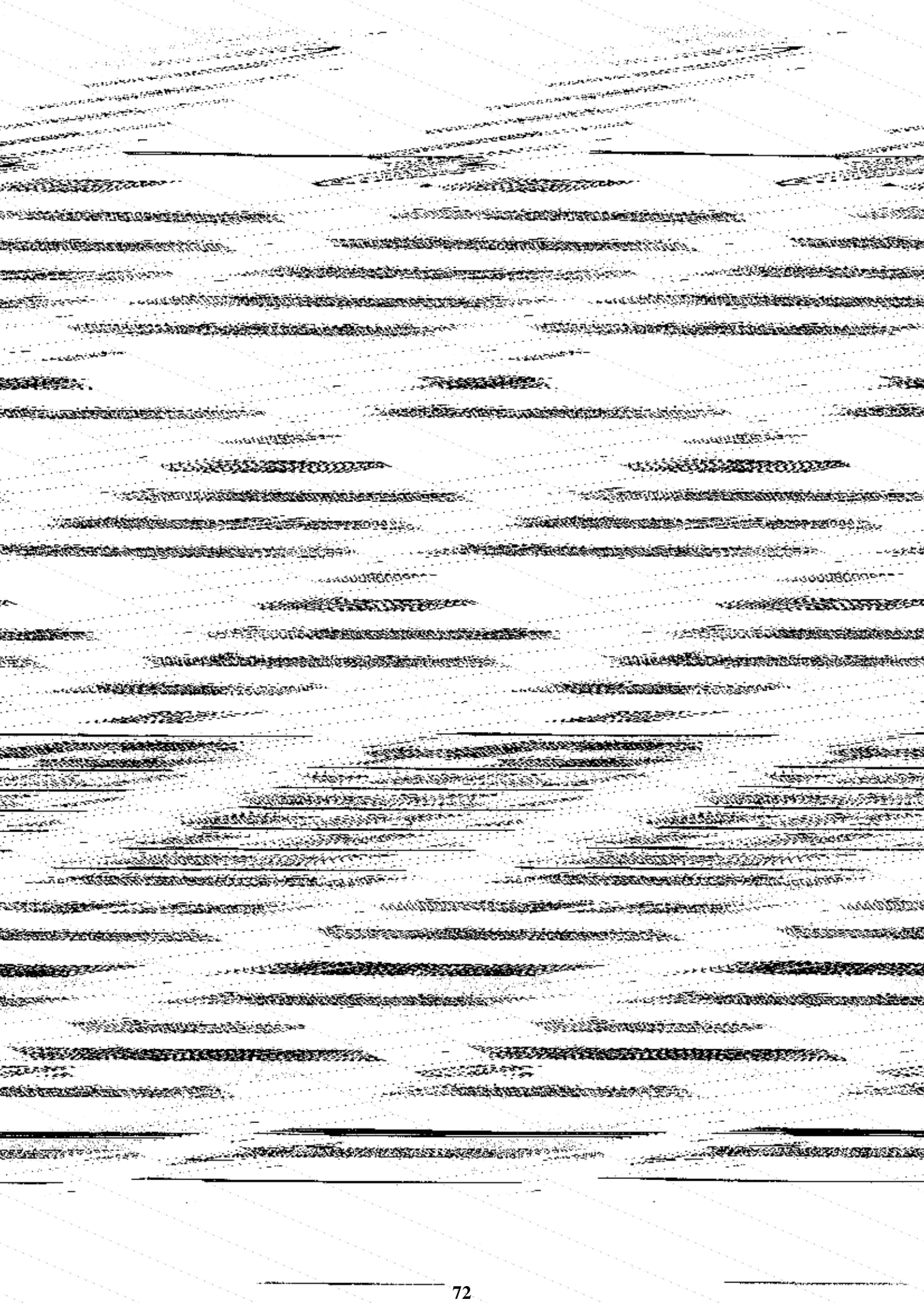


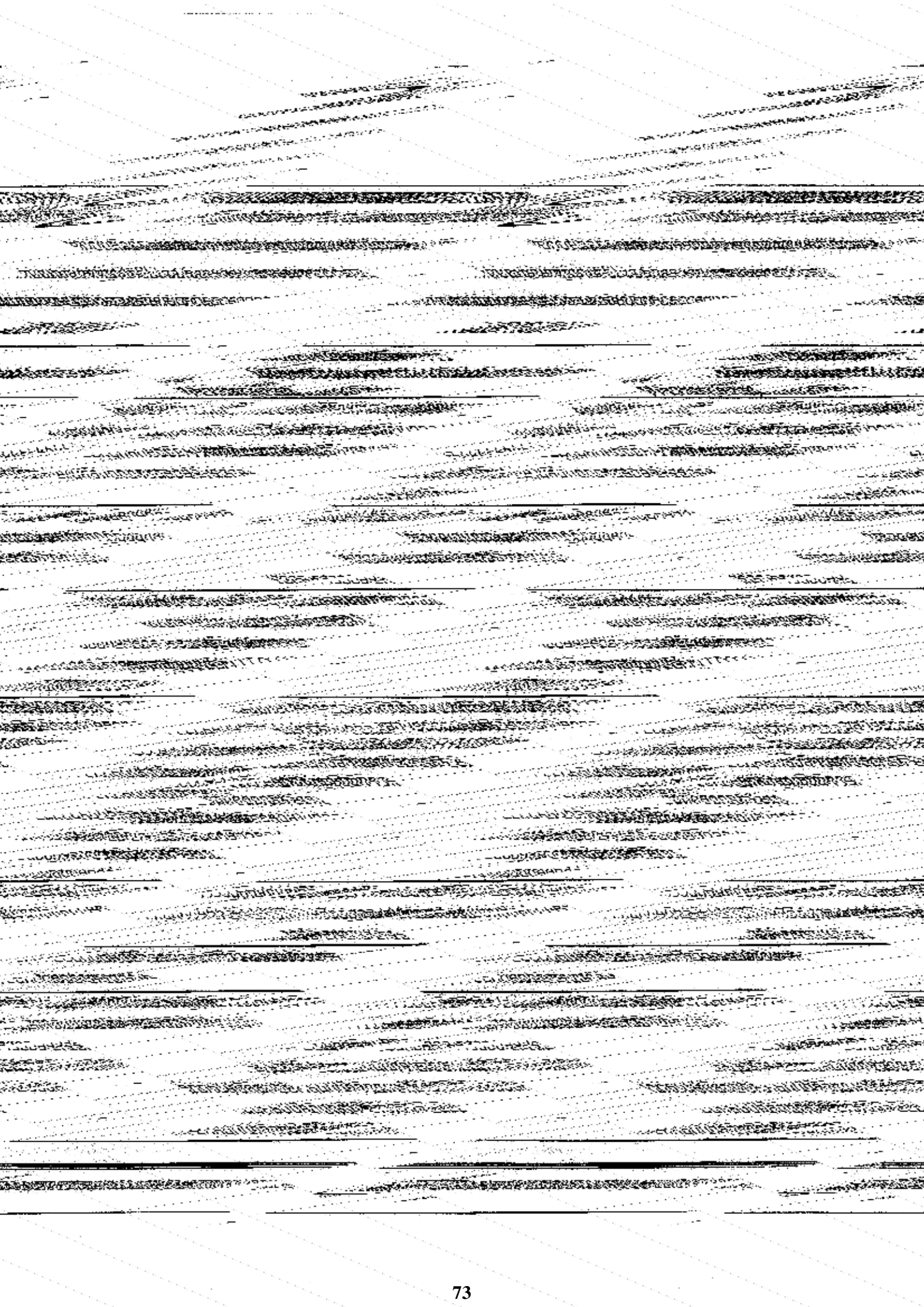


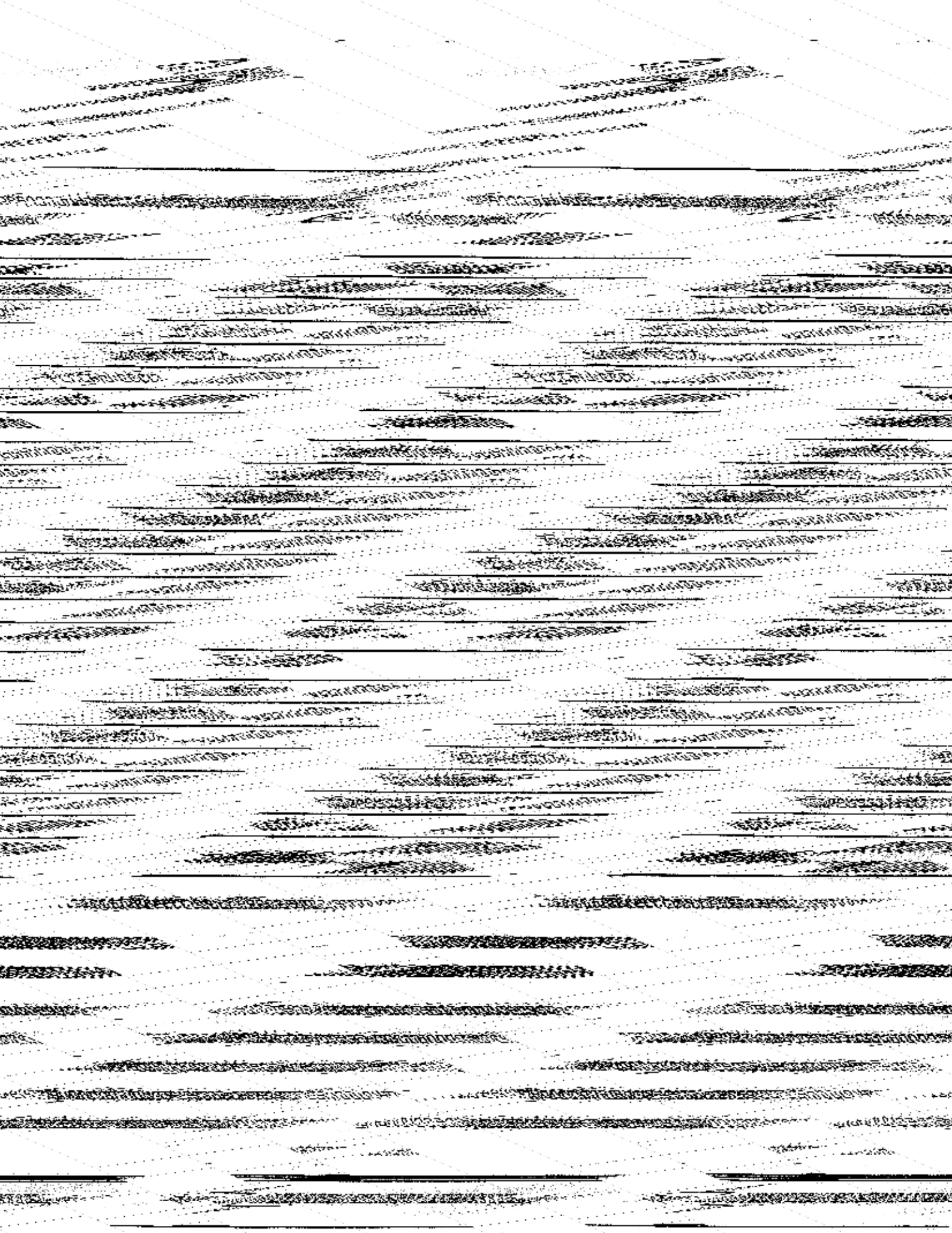


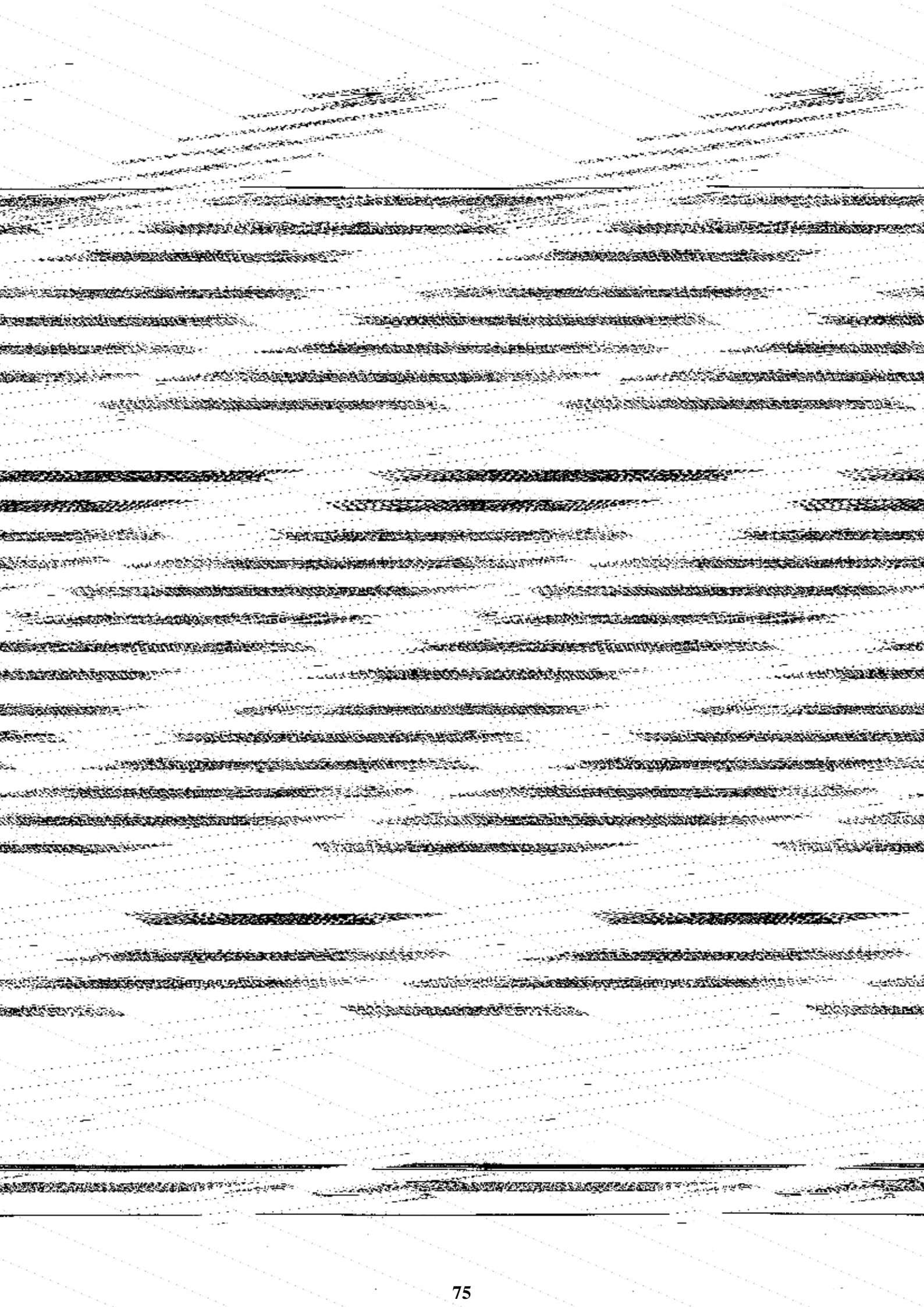


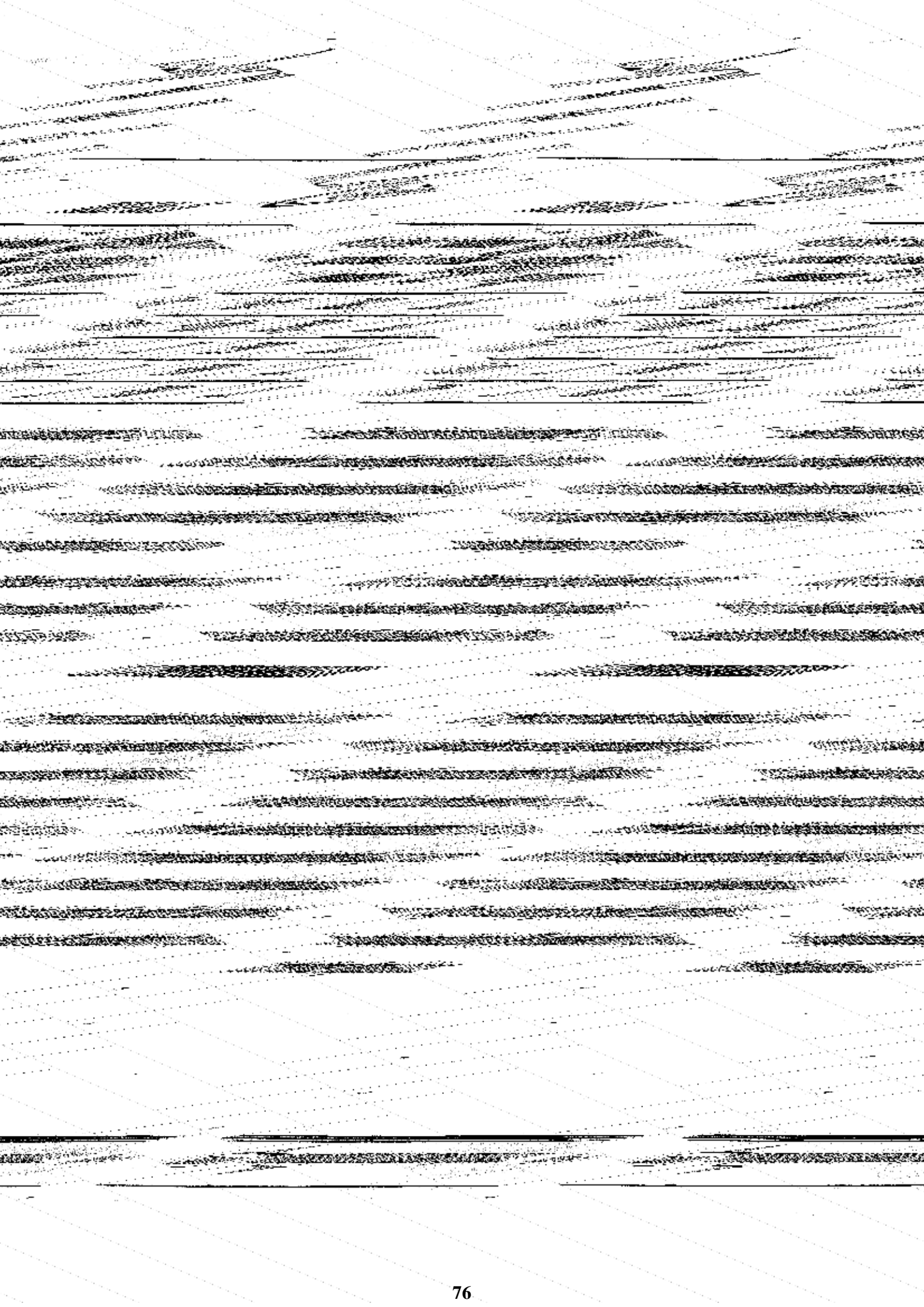


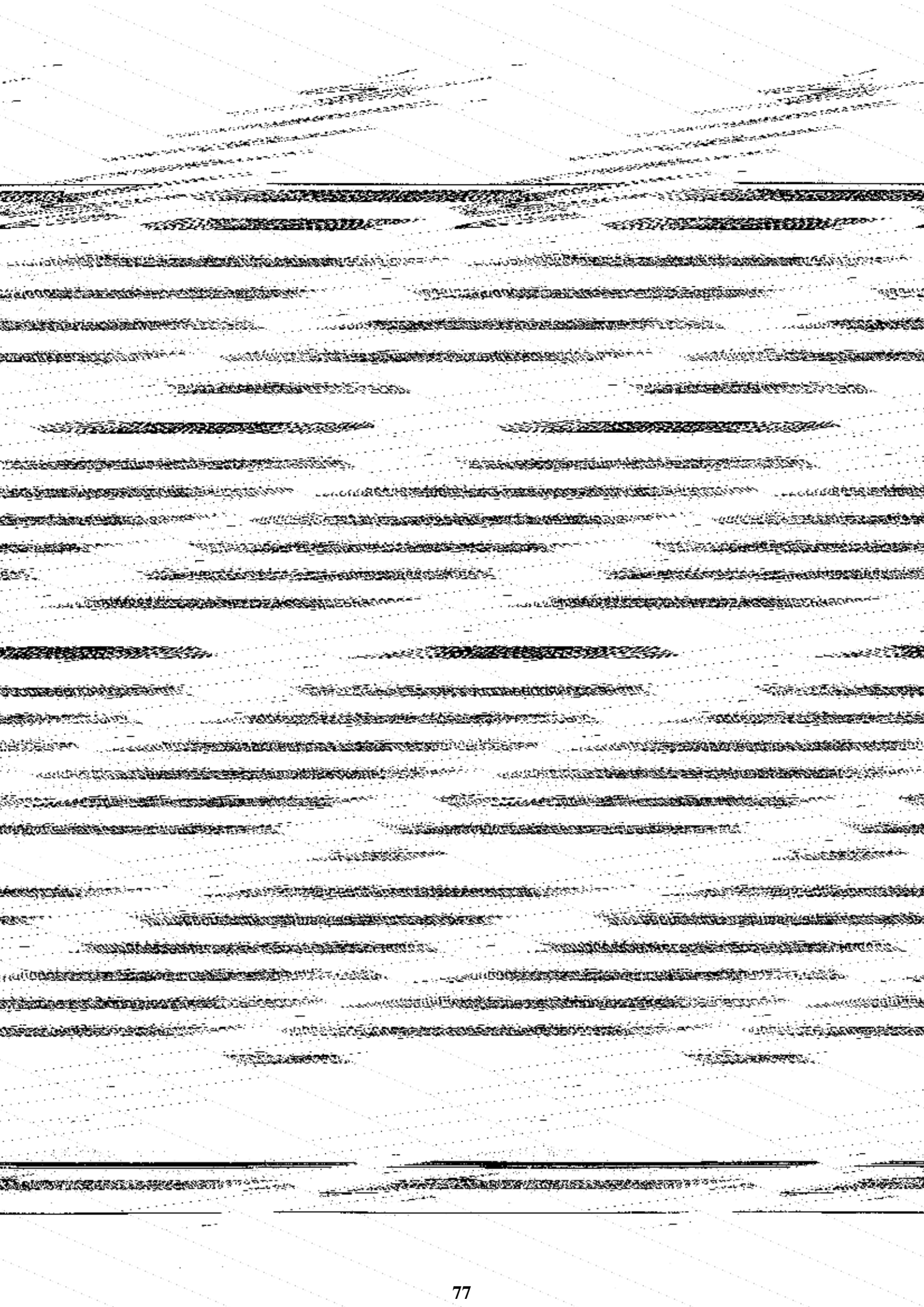


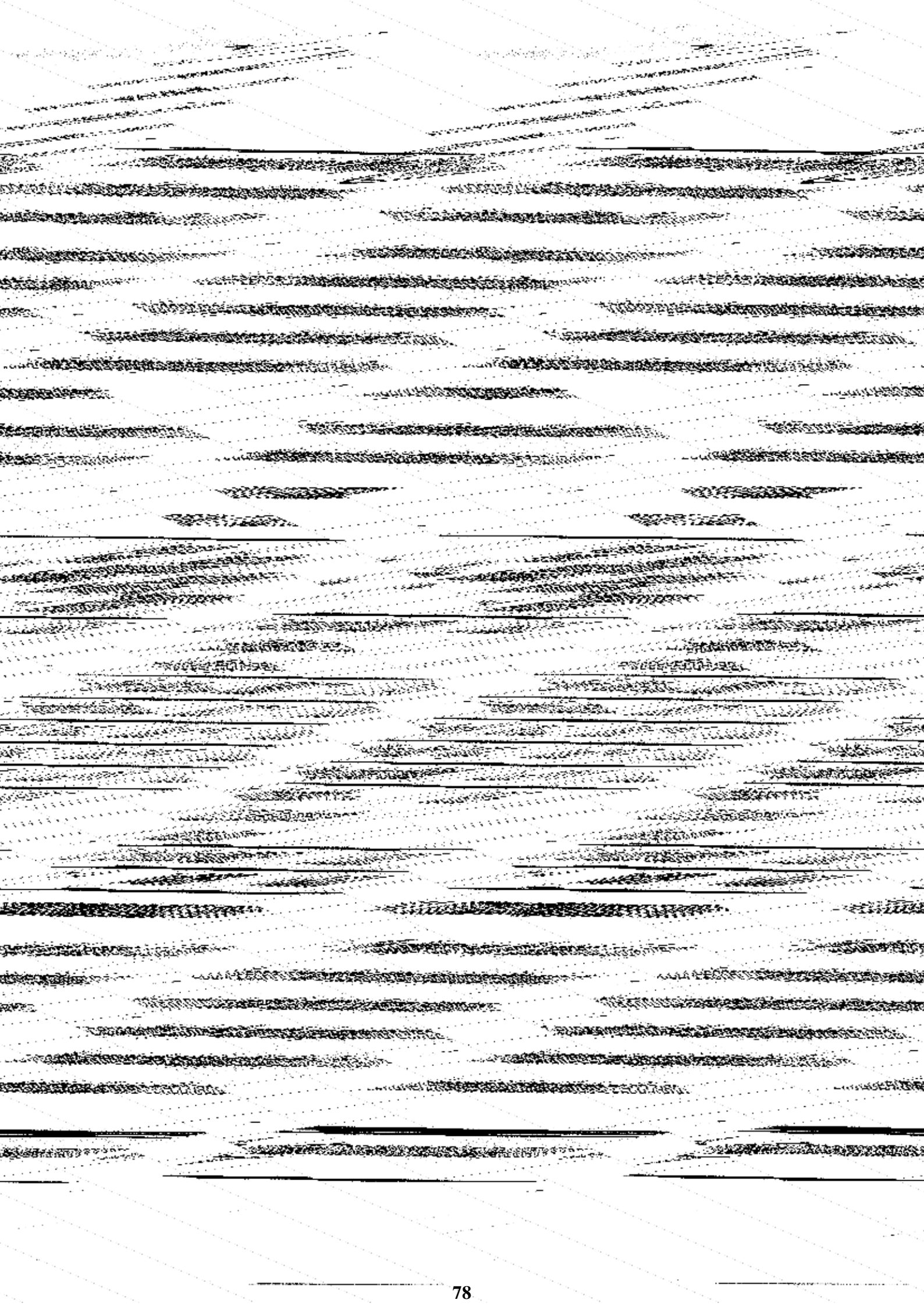


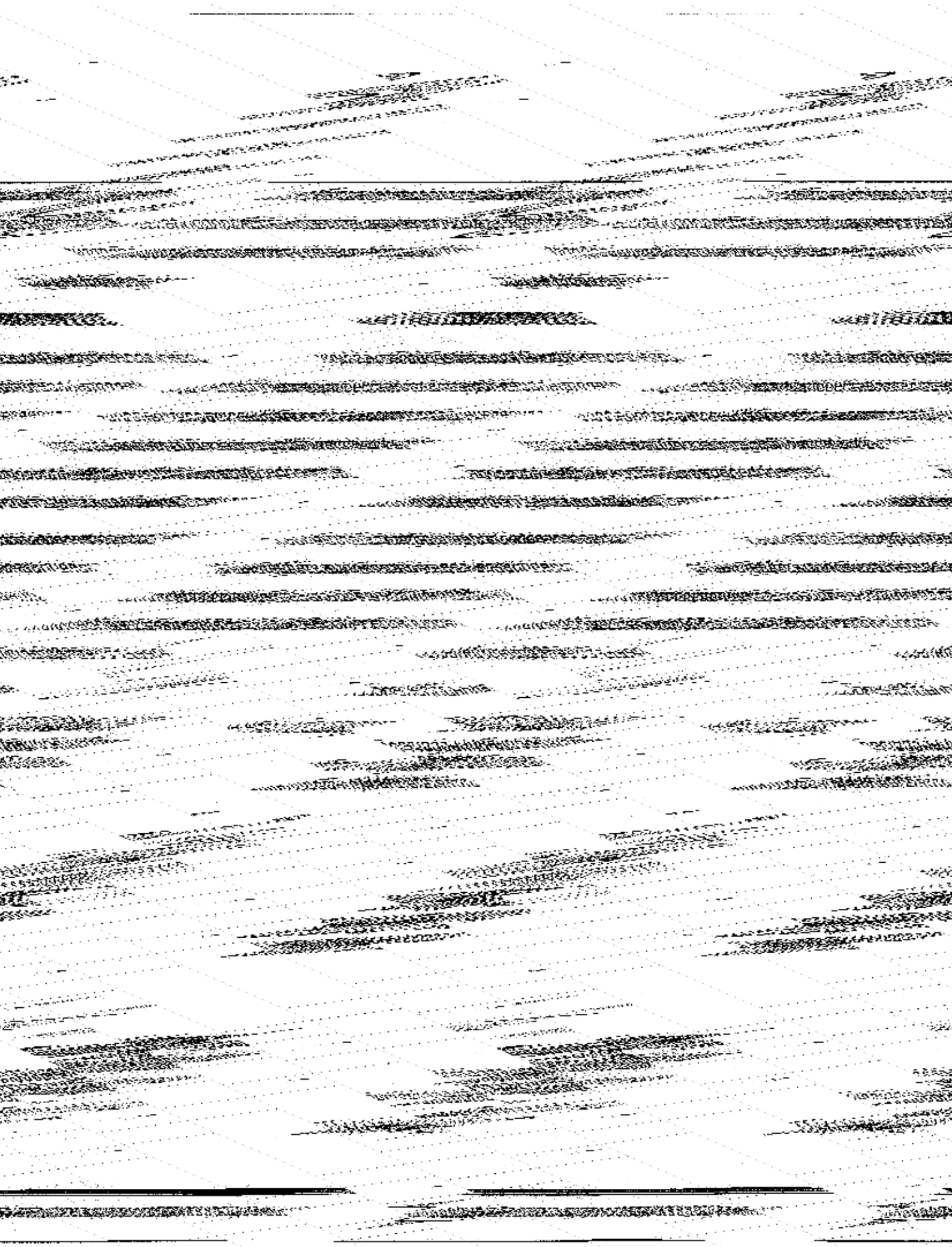


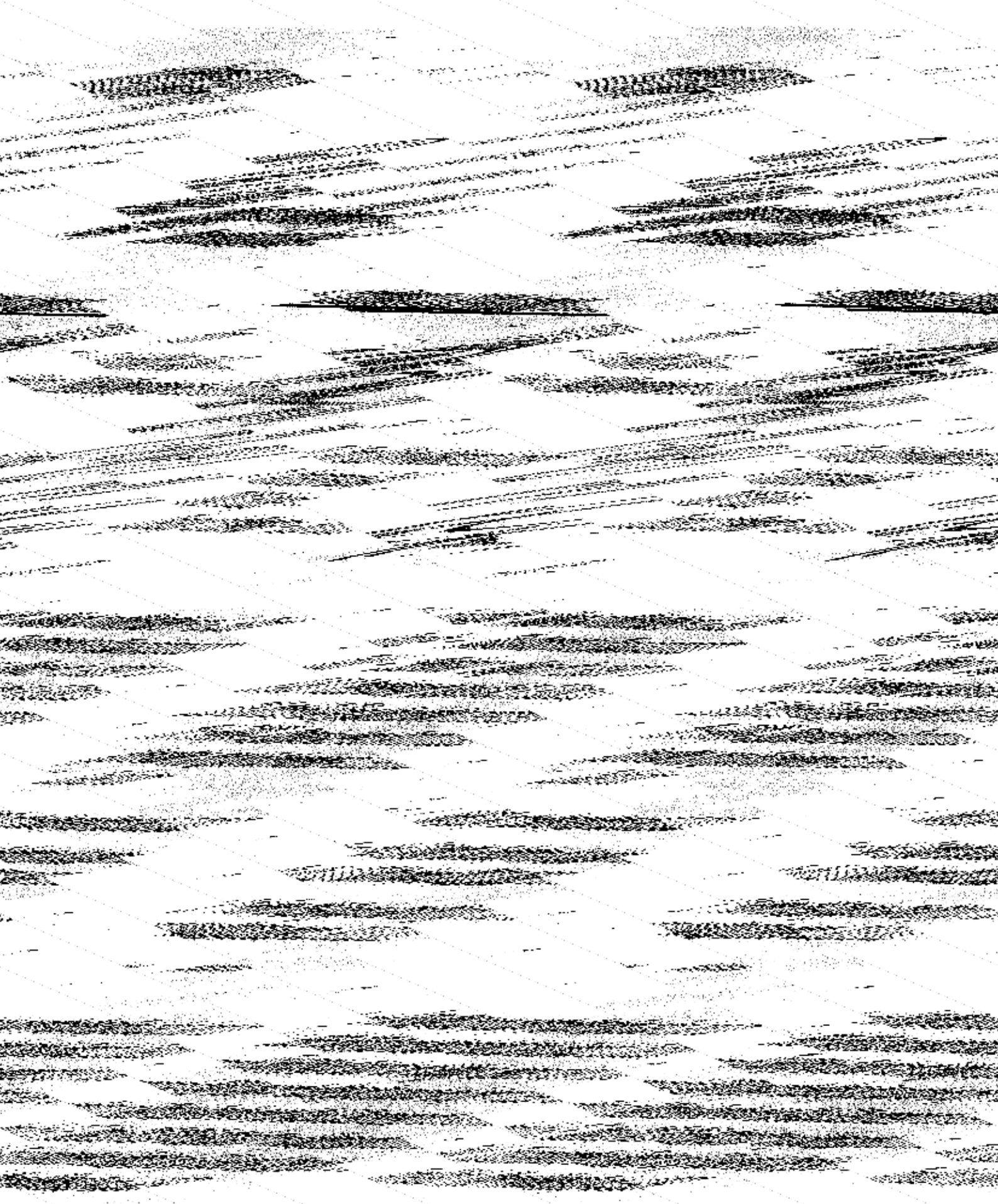


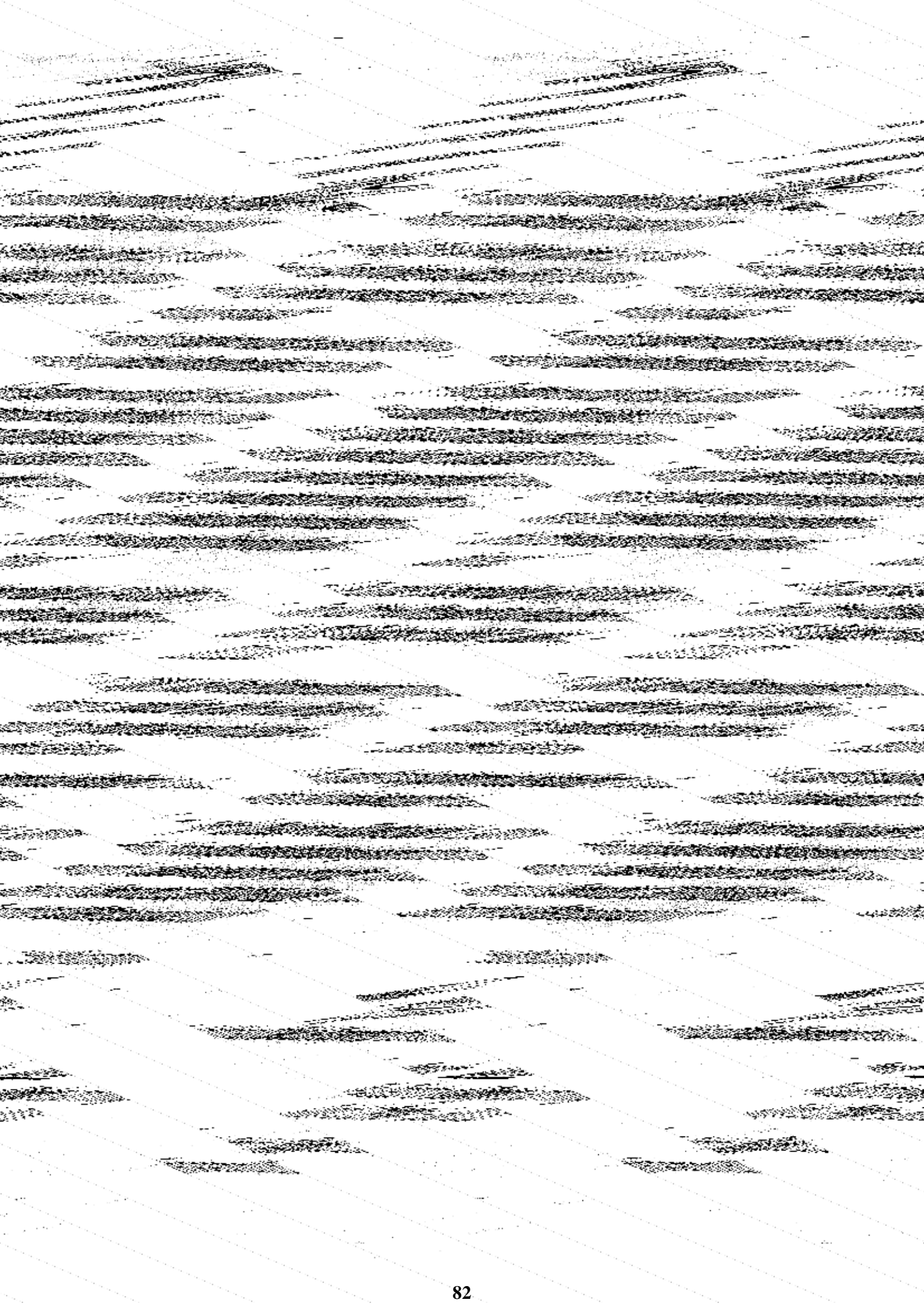


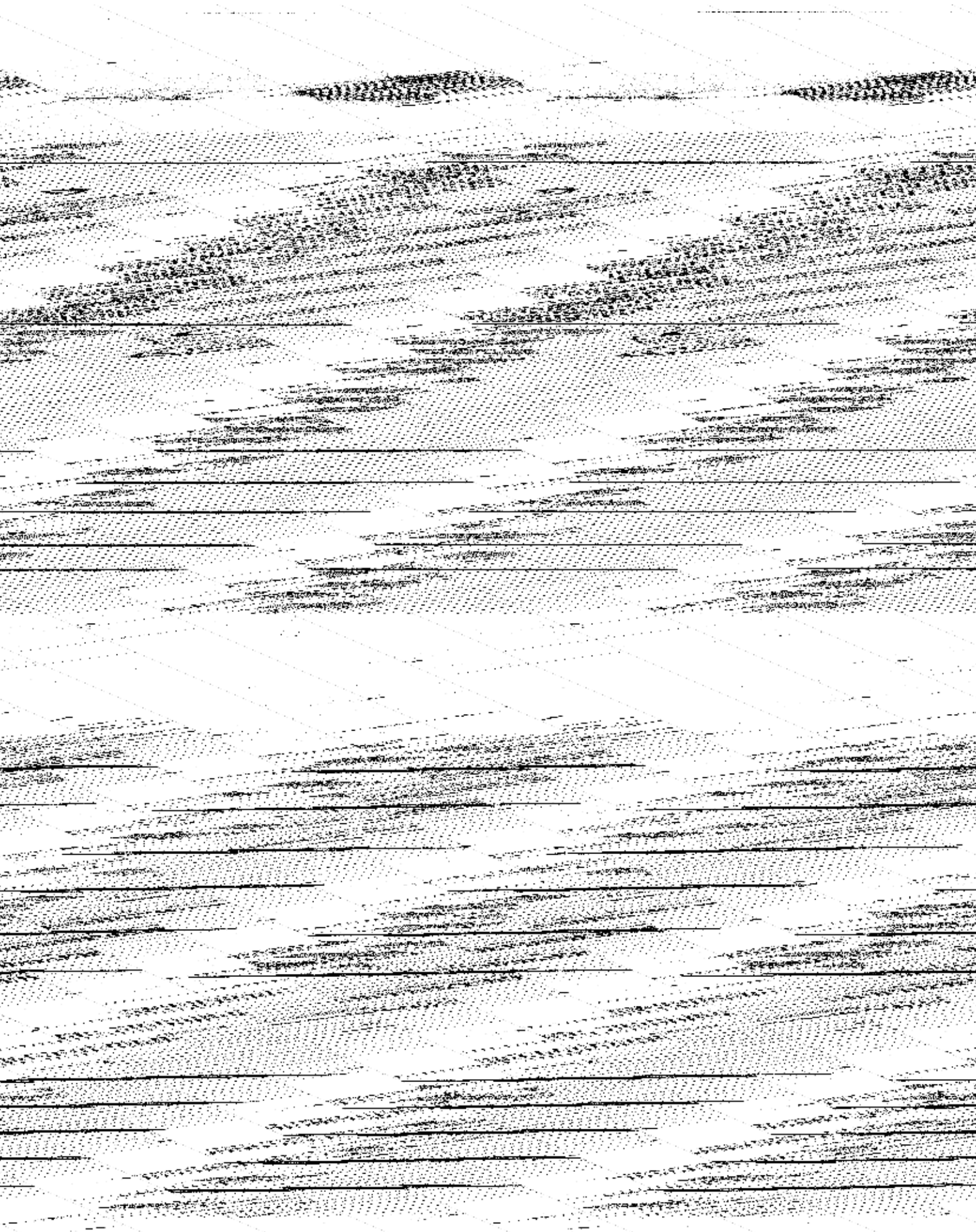




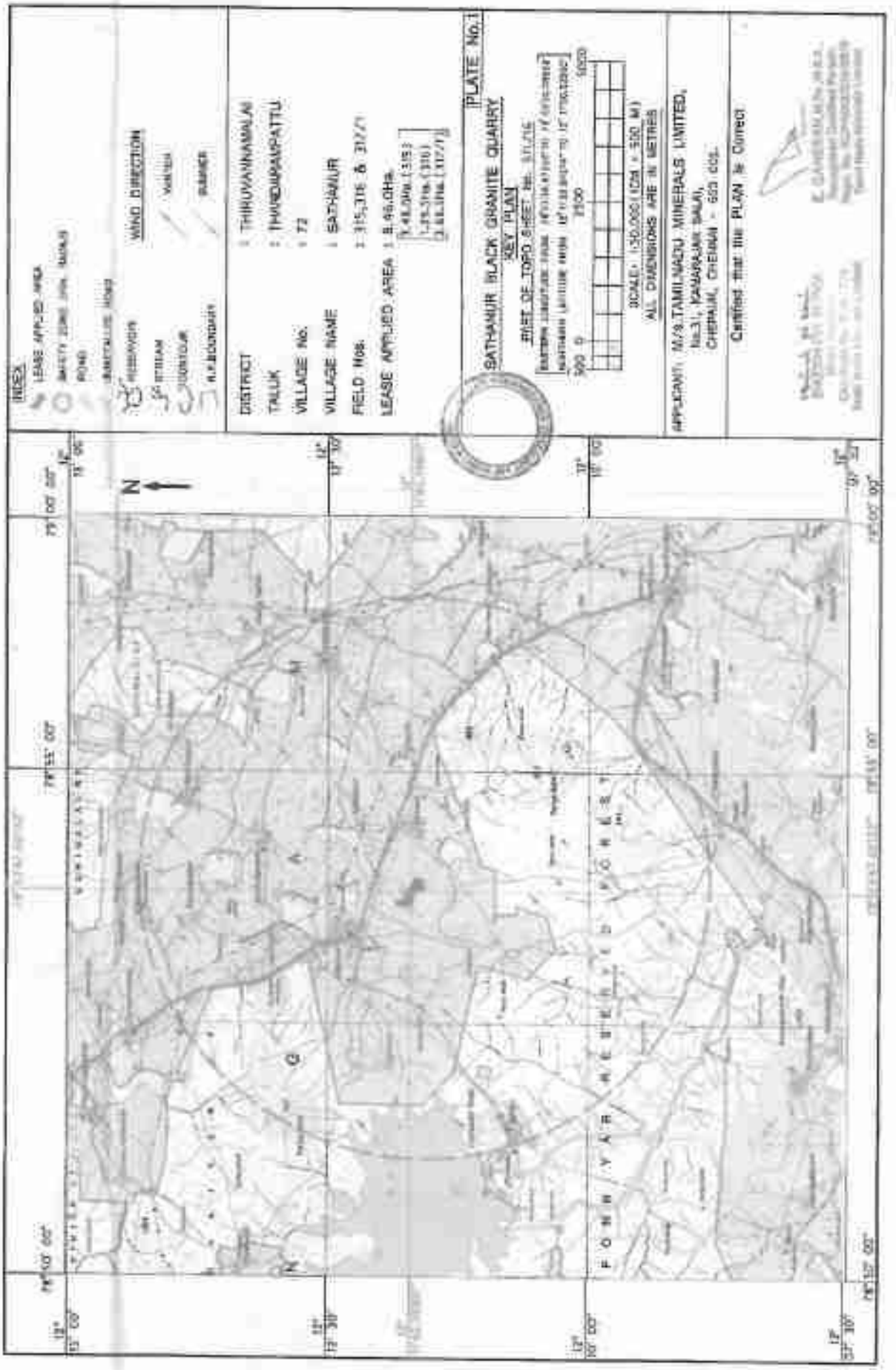


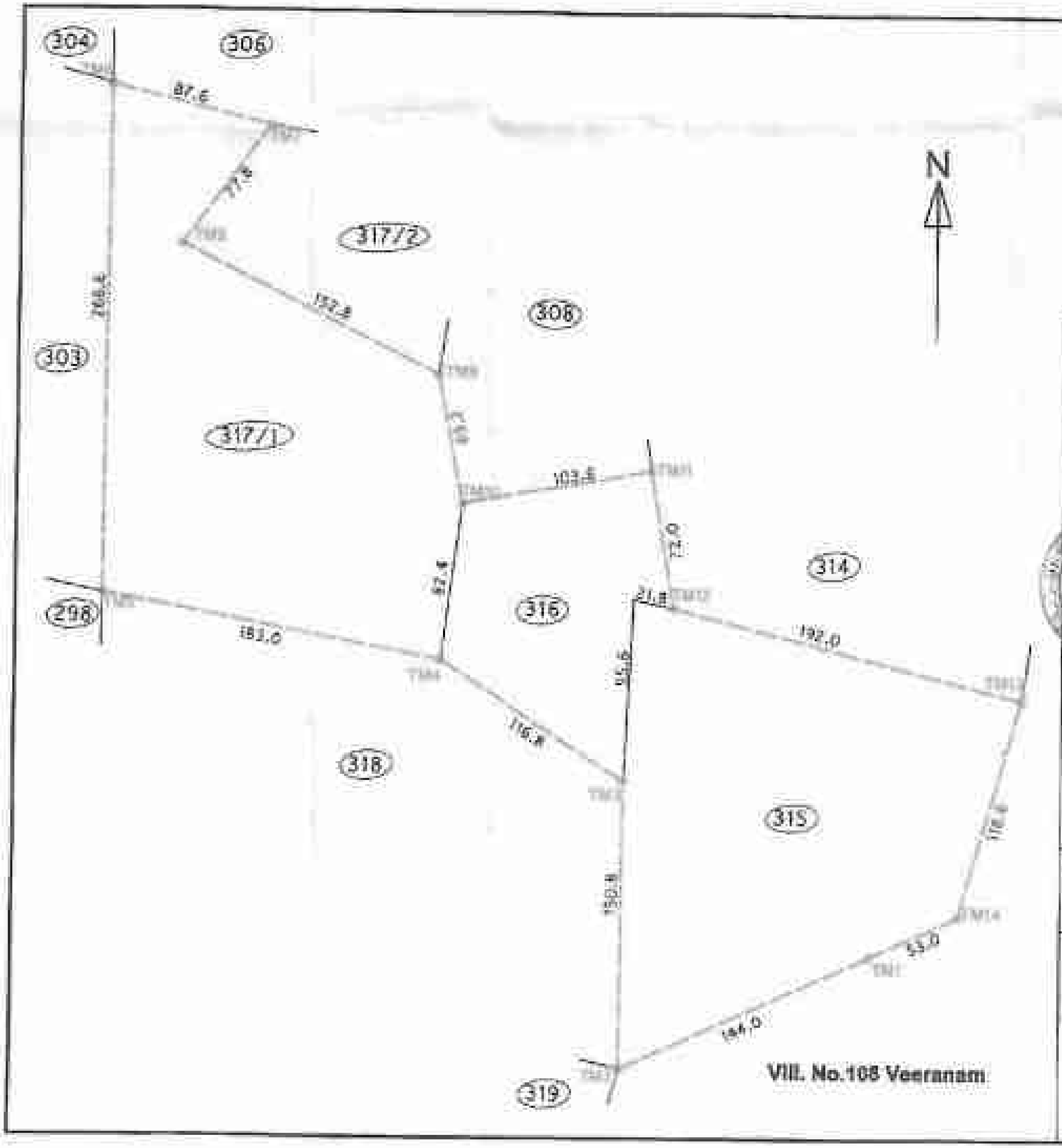






Annexure 5


INDEX
LEASE APPLIED AREA
WIND DIRECTION
DISTRICT : THIRUVANNAMALAI
TALUK : THANDRAMPATTU
VILLAGE NO: : 72
VILLAGE NAME : SATHANUR
FIELD Nos. : 315,316 & 317/1
LEASE APPLIED AREA : 8.46.0Hs.
PLATE No.1
SATHANUR BLACK GRANITE QUARRY
KEY PLAN
SCALE: 1:50,000(1CM = 500 M)
ALL DIMENSIONS ARE IN METRES
APPLICANT: M/S.TAMILNADU MINERALS LIMITED,
Certified that the PLAN is Correct
N
FOREST



LEGEND

Sl.No.	DESCRIPTION	SYMBOL
1.	LEASE APPLIED AREA	
2.	SURVEY FIELD NO.	(316)
3.	BOUNDARY PILLAR	

DISTRICT	: THIRUVANNAMALAI
TALUK	: THANDARAMPATTU
VILLAGE No.	: 72
VILLAGE NAME	: SATHANUR
FIELD Nos.	: 315,316 & 317/1
LEASE APPLIED AREA	: 8.46.0Ha. (3.48.0Ha. (315), 1.29.5Ha. (316), 3.68.5Ha. (317/1))

PLATE No.1a

SATHANUR BLACK GRANITE QUARRY

QUARRY LEASE PLAN

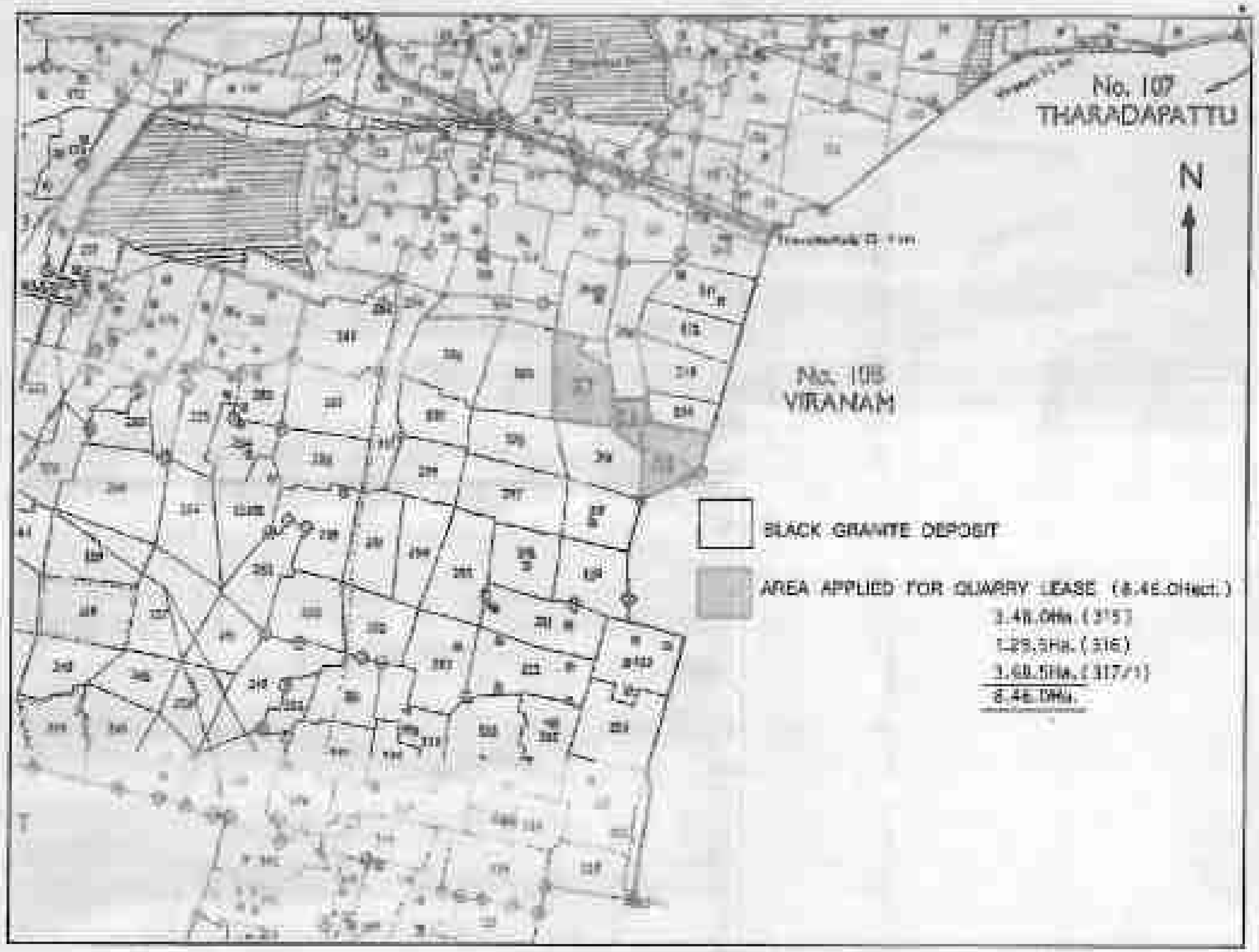
20 0 100 200

SCALE : 1:2000 (1Cm=20mts)

ALL DIMENSIONS ARE IN METRES

APPLICANT: M/s.TAMILNADU MINERALS LIMITED,
No.31, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.

Certified that the PLAN is Correct



DISTRICT	: THIRUVANNAMALAI
TALUK	: THANDARAMPATTU
VILLAGE No.	: 72
VILLAGE NAME	: SATHANUR
FIELD Nos.	: 315,316 & 317/1
LEASE APPLIED AREA	: 8.46.0Ha. 3.48.0Ha. (315) 1.29.5Ha. (316) 3.68.5Ha. (317/1) 8.46.0Ha.

PLATE No.1b

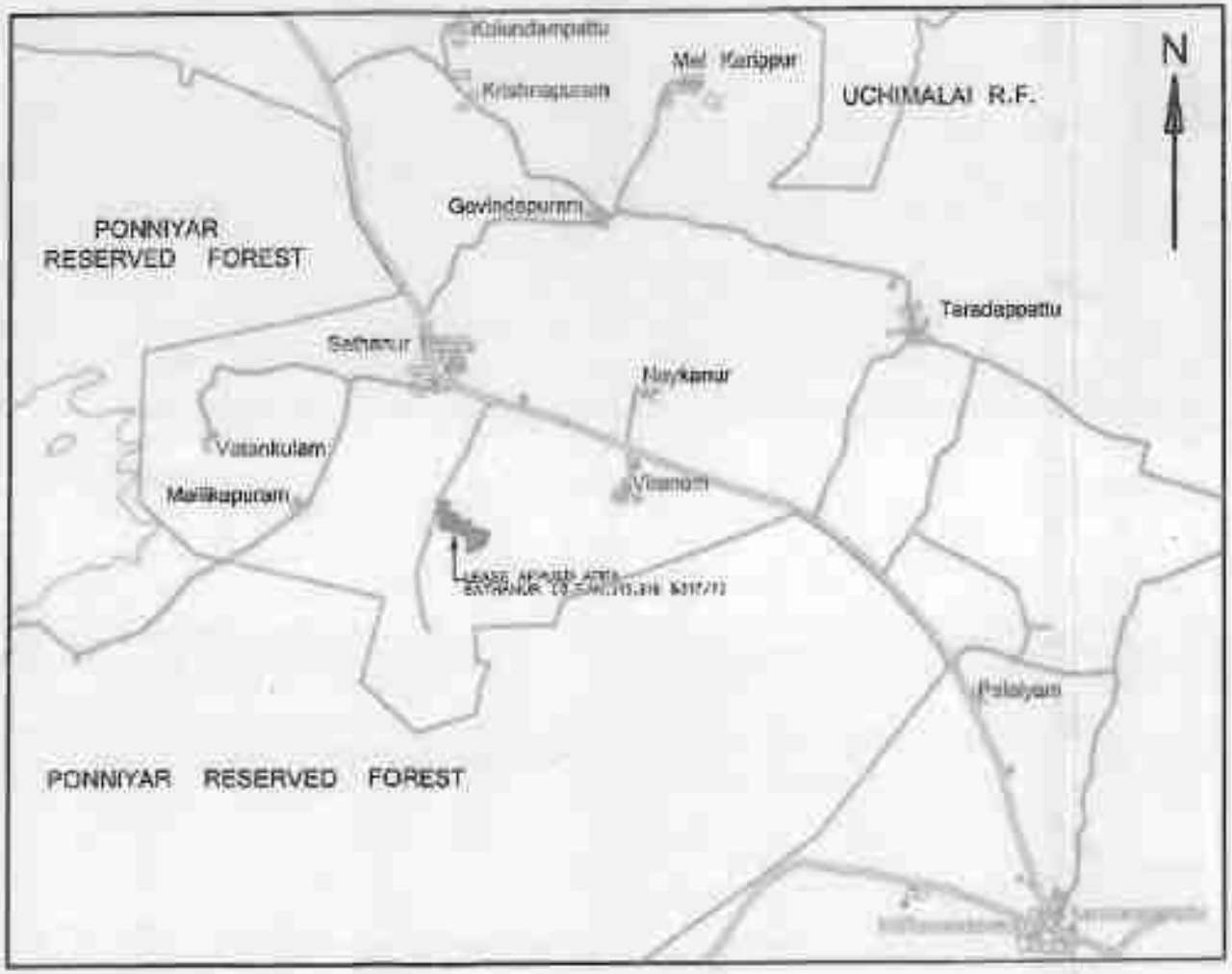
SATHANUR BLACK GRANITE QUARRY
QUARRY LOCATION PLAN
NOT TO SCALE

APPLICANT :-

M/S.TAMILNADU MINERALS LIMITED
No.31, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.

Certified that the MAP is Correct

BIKESH PD. NONIA
Mines Surveyor
Certificate No. SVR / 775
Tamil Nadu Minerals Limited



INDEX

LEASE APPLIED AREA

ROAD

RESERVED FOREST BOUNDARY

VILLAGE

DISTRICT	: THIRUVANNAMALAI
TALUK	: THANDARAMPATTU
VILLAGE No.	: 72
VILLAGE NAME	: SATHANUR
FIELD Nos.	: 315,316 & 317/1
LEASE APPLIED AREA	: 8.46.0Ha.

PLATE No.1c

SATHANUR BLACK GRANITE QUARRY

ROUTE MAP

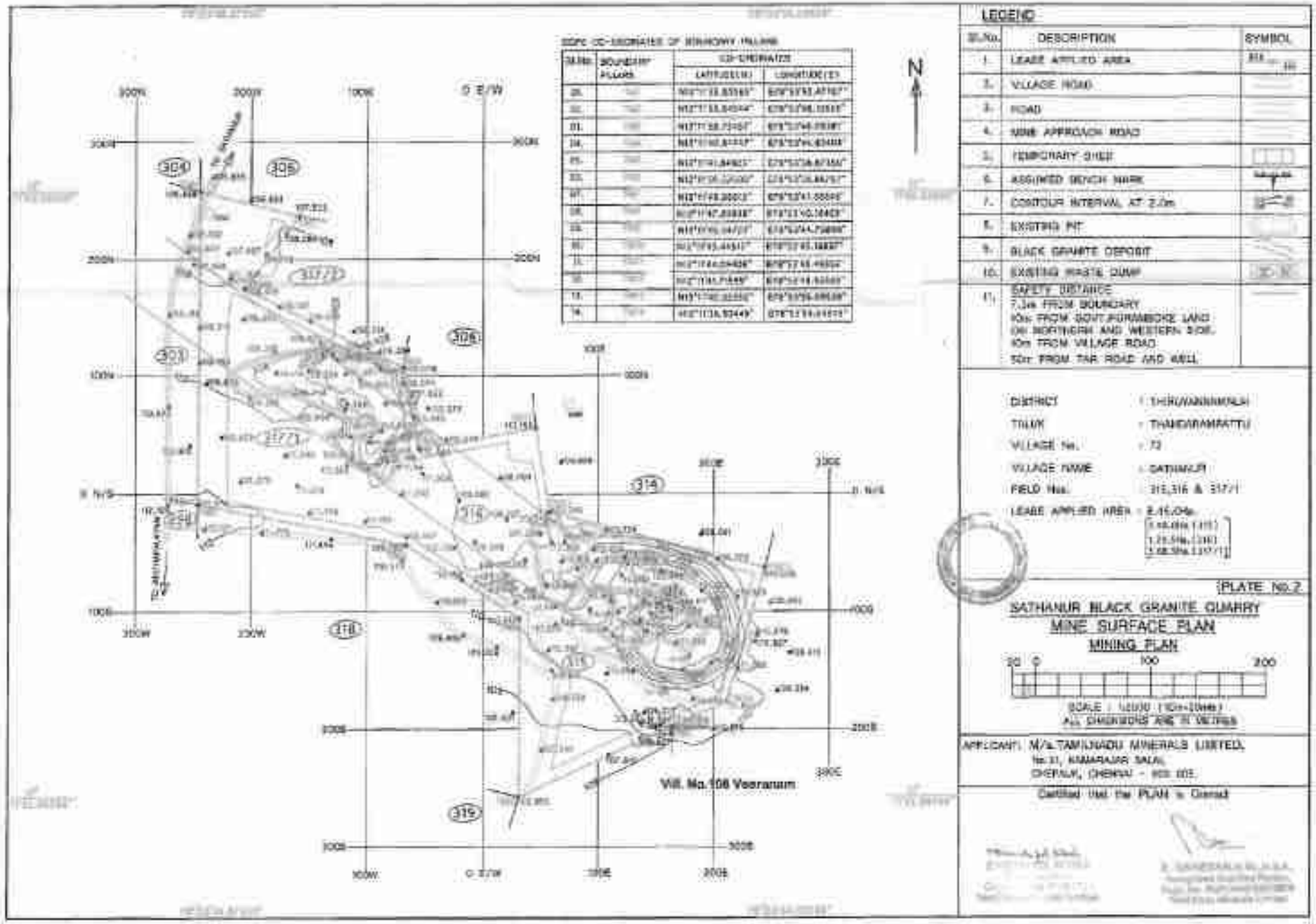
NOT TO SCALE

APPLICANT : M/s.TAMILNADU MINERALS LIMITED,
No.31, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.

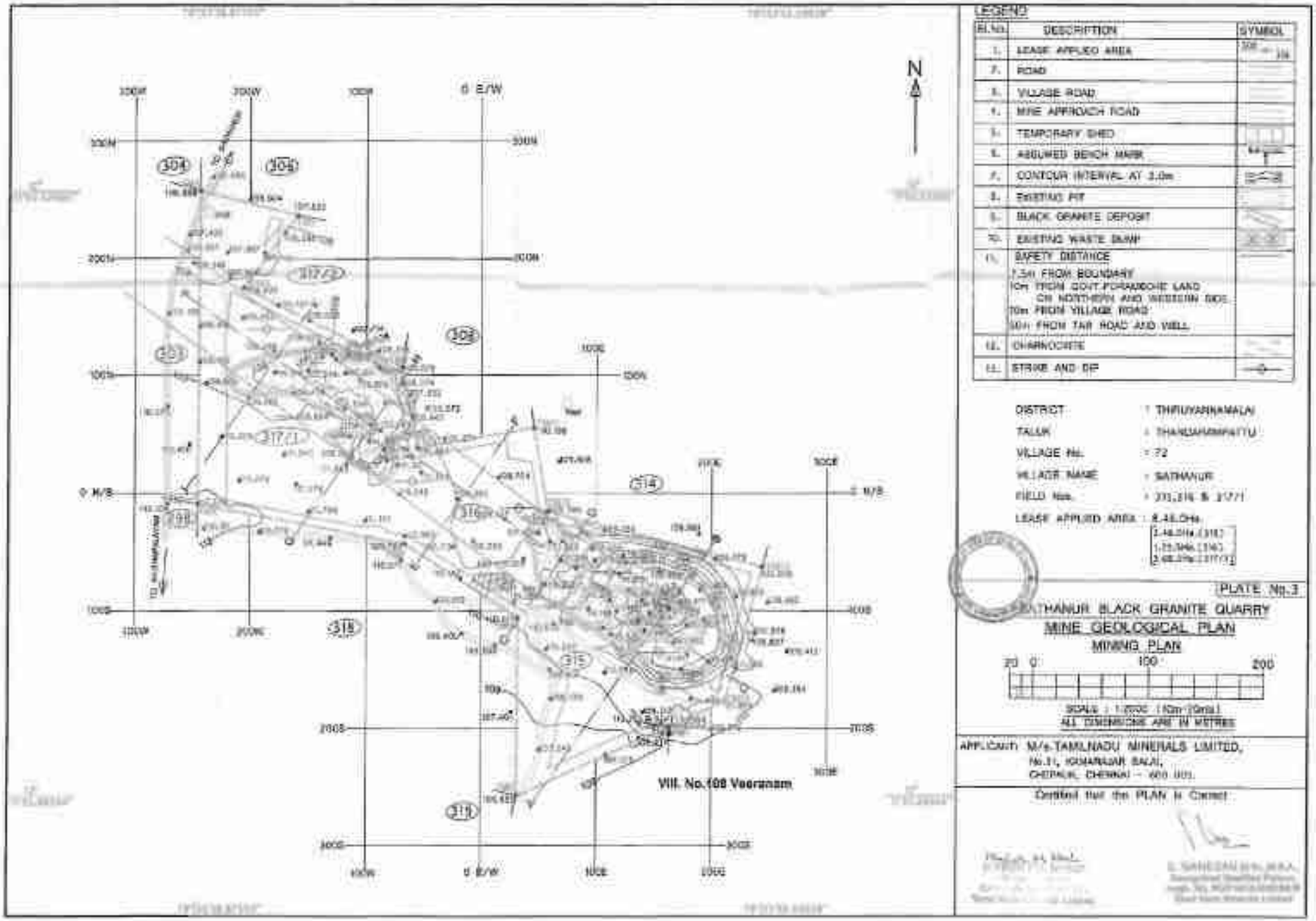
Certified that the PLAN is Correct.

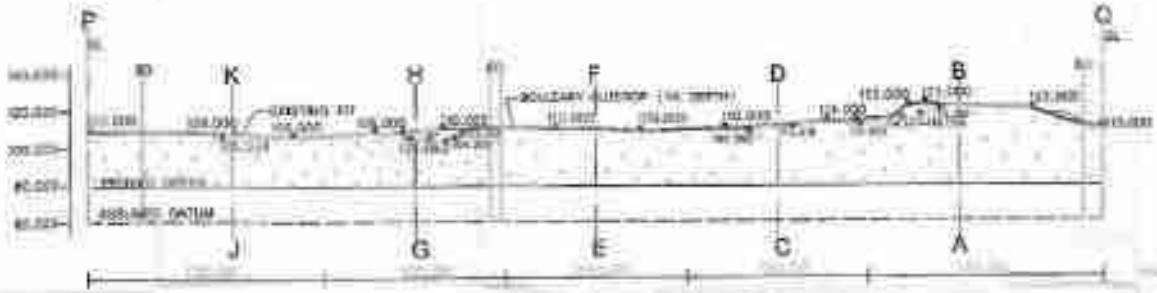
Mines Surveyor

E. GANESAN, M.Sc., M.B.A.
Recognized Qualified Person,
Regn. No. RQP/MAS/036/98/0
Tamil Nadu Minerals Limited



Sl.No.	BOUNDARY PILLARS	CO-ORDINATES	
		LATITUDE(N)	LONGITUDE(E)
28.			
29.			
30.			
31.			
32.			
33.			
34.			
35.			
36.			
37.			
38.			
39.			
40.			
41.			
42.			
43.			
44.			


LEGEND
Sl.No. DESCRIPTION SYMBOL
1. LEASE APPLIED AREA
2. ROAD
3. VILLAGE ROAD
4. MINE APPROACH ROAD
5. TEMPORARY SHED
6. ASSUMED BENCH MARK
7. CONTOUR INTERVAL AT 3.0m
8. EXISTING PIT
9. BLACK GRANITE DEPOSIT
10. EXISTING WASTE DUMP
11. SAFETY DISTANCE
7.5m FROM BOUNDARY
10m FROM GOVT.PORAMBOKE LAND ON NORTHERN AND WESTERN SIDE
70m FROM VILLAGE ROAD
50m FROM TAR ROAD AND WELL
12. CHARNOCKITE
13. STRIKE AND DIP
N
DISTRICT : THIRUVANNAMALAI
TALUK : THANDARAMPATTU
VILLAGE No. : 72
VILLAGE NAME : SATHANUR
FIELD Nos. : 231,316 & 317/1
LEASE APPLIED AREA : 8.48.0Hs
2.48.0Hs (316)
1.25.5Hs (314)
4.48.0Hs (317/1)
PLATE No.3
SATHANUR BLACK GRANITE QUARRY
MINE GEOLOGICAL PLAN
MINING PLAN
SCALE : 1:2000 (1cm=20mts)
ALL DIMENSIONS ARE IN METRES
APPLICANT: M/s.TAMILNADU MINERALS LIMITED,
No.31, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.
Certified that the PLAN is Correct
Vill. No.108 Veeranam



LONGITUDINAL SECTION ON - PQ

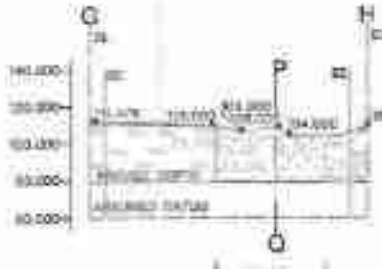
LEGEND

Sl.No.	DESCRIPTION	SYMBOL
1.	LEASE APPLIED AREA	
2.	EXISTING PIT	
3.	BOULDARY OUTCROP (1M DEPTH)	
4.	BLACK GRANITE DEPOSIT	
5.	CHARNOCKITE	
6.	WASTE DUMP (EXISTING)	
7.	SAFETY DISTANCE 7.5m FROM BOUNDARY 15m FROM GOVT.PORAMBOKE LAND ON NORTHERN AND WESTERN SIDE. 10m FROM VILLAGE ROAD 50m FROM TAR ROAD AND WELL	

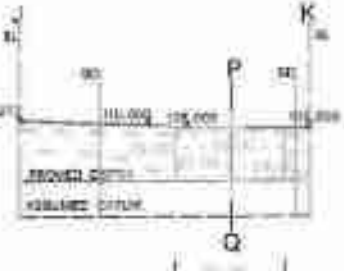
CROSS SECTION ON - AB

CROSS SECTION ON-CD

CROSS SECTION ON-EF



CROSS SECTION ON-GH



CROSS SECTION ON-JK

DISTRICT	: THIRUVANNAMALAI
TALUK	: THANDARAMPATTU
VILLAGE No.	: 72
VILLAGE NAME	: SATHANUR
FIELD Nos.	: 315,316 & 317/1
LEASE APPLIED AREA	: 5.46.0Hs. 2.48.0Hs.(315) 1.29.5Hs.(316) 1.68.5Hs.(317/1)

PLATE No.3a

SATHANUR BLACK GRANITE QUARRY

MINE GEOLOGICAL SECTIONS

MINING PLAN

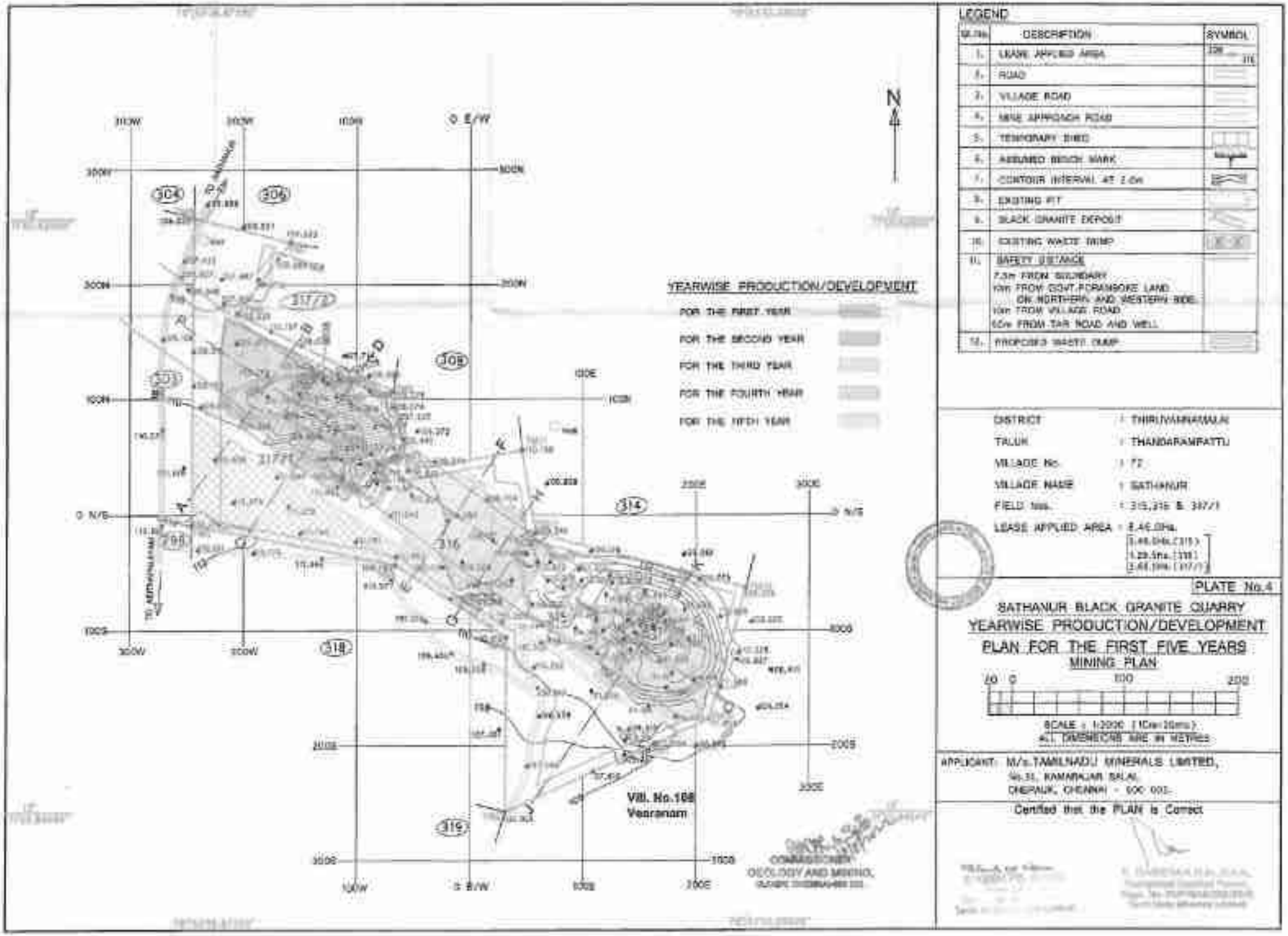
20 0 100 200

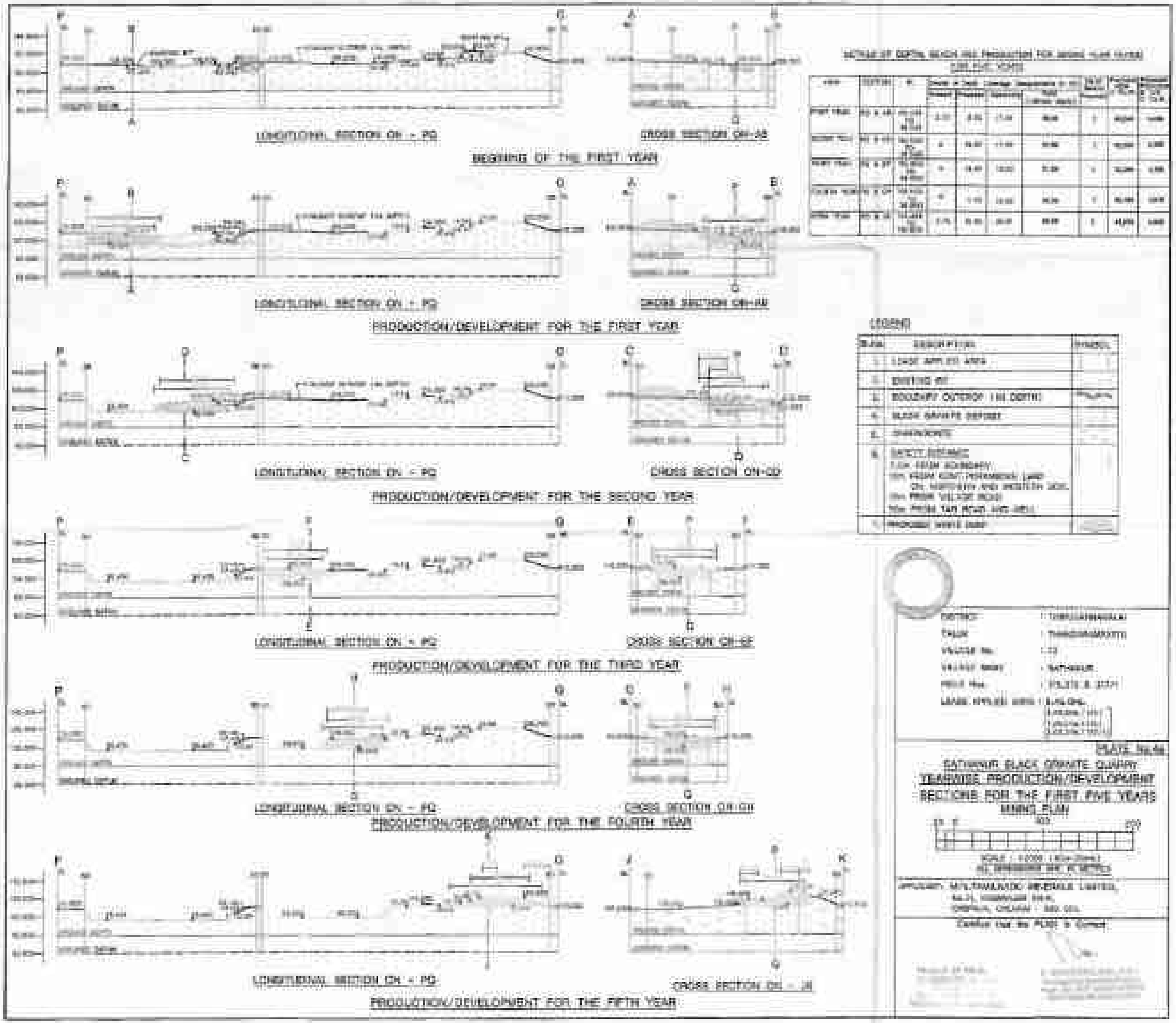
SCALE : 1:2000 (1Cm=20mts)

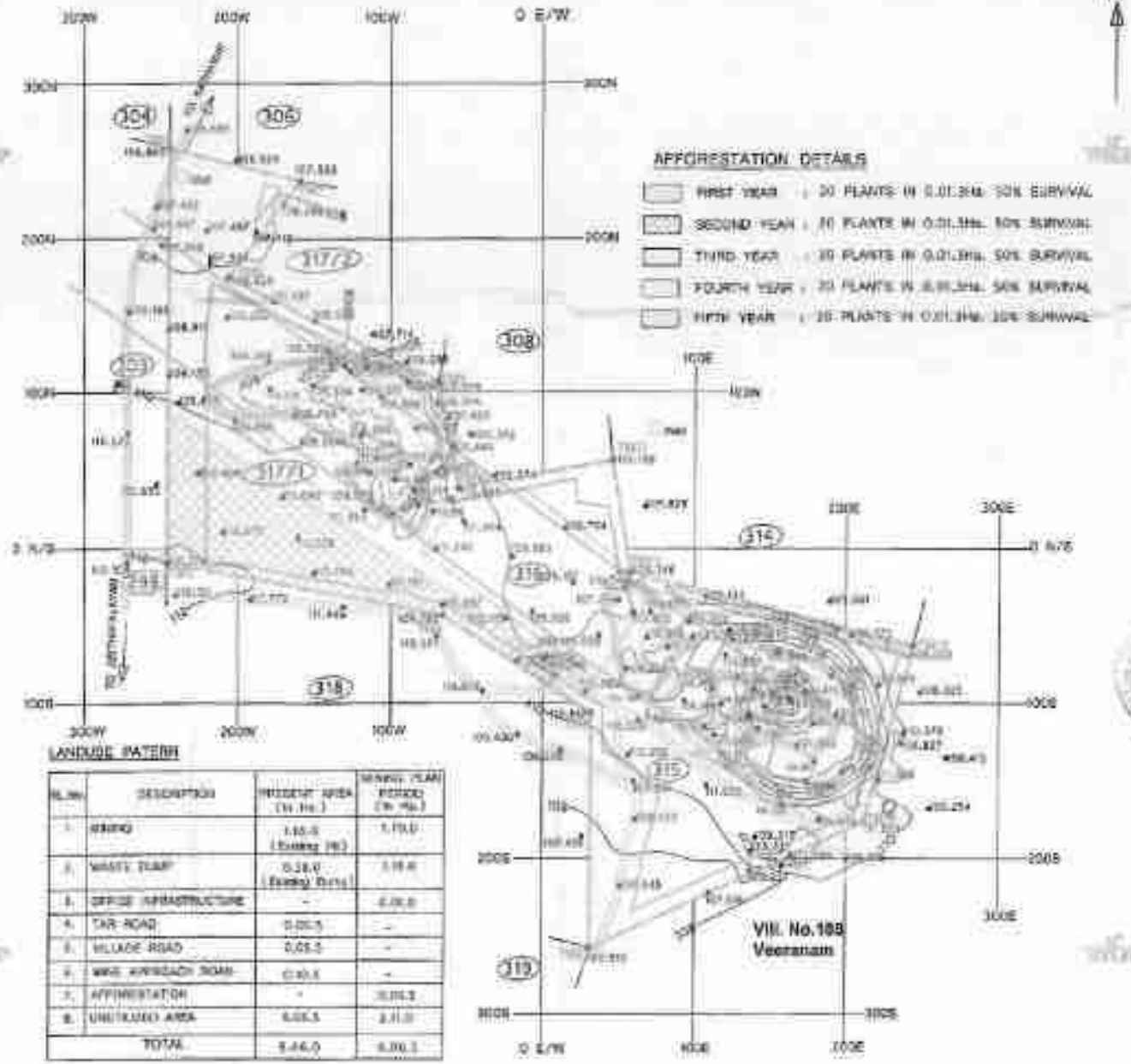
ALL DIMENSIONS ARE IN METRES

APPLICANT: M/s.TAMILNADU MINERALS LIMITED,
No.31, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.

Certified that the PLAN is Correct


LEGEND
Sl.No. DESCRIPTION SYMBOL
1. LEASE APPLIED AREA
2. ROAD
3. VILLAGE ROAD
4. MINE APPROACH ROAD
5. TEMPORARY SHED
6. ASSUMED BENCH MARK
7. CONTOUR INTERVAL AT 2.0m
8. EXISTING PIT
9. BLACK GRANITE DEPOSIT
10. EXISTING WASTE DUMP
11. SAFETY DISTANCE
7.5m FROM SECONDARY
10m FROM GOVT.PORAMBOKE LAND ON NORTHERN AND WESTERN SIDE.
10m FROM VILLAGE ROAD
60m FROM TAR ROAD AND WELL
12. PROPOSED WASTE DUMP
YEARWISE PRODUCTION/DEVELOPMENT
FOR THE FIRST YEAR
FOR THE SECOND YEAR
FOR THE THIRD YEAR
FOR THE FOURTH YEAR
FOR THE FIFTH YEAR
N
Vill. No.168
Veeranam
DISTRICT : THIRUVANNAMALAI
TALUK : THANDARAMPATTU
VILLAGE No. : 72
VILLAGE NAME : SATHANUR
FIELD Nos. : 315,316 & 317/1
LEASE APPLIED AREA : 8.46.0Hs.
(8.46.0Hs.(315)
1.29.5Hs.(316)
3.48.5Hs.(317/1)
PLATE No.4
SATHANUR BLACK GRANITE QUARRY
YEARWISE PRODUCTION/DEVELOPMENT
PLAN FOR THE FIRST FIVE YEARS
MINING PLAN
SCALE : 1:2000 (1Cm=20mts)
ALL DIMENSIONS ARE IN METRES
APPLICANT: M/s.TAMILNADU MINERALS LIMITED,
No.31, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.
Certified that the PLAN is Correct


LONGITUDINAL SECTION ON - PQ
CROSS SECTION ON-AB
BEGINING OF THE FIRST YEAR
PRODUCTION/DEVELOPMENT FOR THE FIRST YEAR
CROSS SECTION ON-CD
PRODUCTION/DEVELOPMENT FOR THE SECOND YEAR
CROSS SECTION ON-EF
PRODUCTION/DEVELOPMENT FOR THE THIRD YEAR
CROSS SECTION ON-GH
PRODUCTION/DEVELOPMENT FOR THE FOURTH YEAR
CROSS SECTION ON - JK
PRODUCTION/DEVELOPMENT FOR THE FIFTH YEAR
LEGEND
SATHANUR BLACK GRANITE QUARRY
YEARWISE PRODUCTION/DEVELOPMENT
SECTIONS FOR THE FIRST FIVE YEARS
MINING PLAN



LANDUSE PATERN

Sl.No.	DESCRIPTION	PRESENT AREA (In Ha.)	MINING YEAR PERIOD (In Ha.)
1.	MINING	1.65.0 (Existing Pit)	5.70.0
2.	WASTE DUMP	0.38.0 (Existing Dump)	3.18.0
3.	OFFICE INFRASTRUCTURE	-	0.05.0
4.	TAR ROAD	0.00.5	-
5.	VILLAGE ROAD	0.05.5	-
6.	MINE APPROACH ROAD	0.10.5	-
7.	AFFORESTATION	-	0.05.5
8.	UNUTILIZED AREA	6.05.5	2.11.0
	TOTAL	8.44.0	8.44.5

LEGEND

S.No.	DESCRIPTION	SYMBOL
1.	LEASE APPLIED AREA	
2.	ROAD	
3.	VILLAGE ROAD	
4.	MINE APPROACH ROAD	
5.	TEMPORARY SHED	
6.	ASSUMED BENCH MARK	
7.	CONTOUR INTERVAL AT 2.0m	
8.	EXISTING PIT	
9.	BLACK GRANITE DEPOSIT	
10.	EXISTING WASTE DUMP	
11.	SAFETY DISTANCE 7.5m FROM BOUNDARY 10m FROM GOVT.PORAMBOKE LAND ON NORTHERN AND WESTERN SIDE. 10m FROM VILLAGE ROAD 50m FROM TAR ROAD AND WELL	
12.	PROPOSED WASTE DUMP	
13.	PROPOSED DEVELOPMENT DURING MINING PLAN PERIOD	

DISTRICT : THIRUVANNAMALAI
TALUK : THANDARAMPATTU
VILLAGE No. : 72
VILLAGE NAME : SATHANUR
FIELD Nos. : 315,316 & 317/1
LEASE APPLIED AREA : 8.44.0Hs.
(3.48.0Hs.(315) 1.20.5Hs.(316) 3.55.5Hs.(317/1))

PLATE No.5

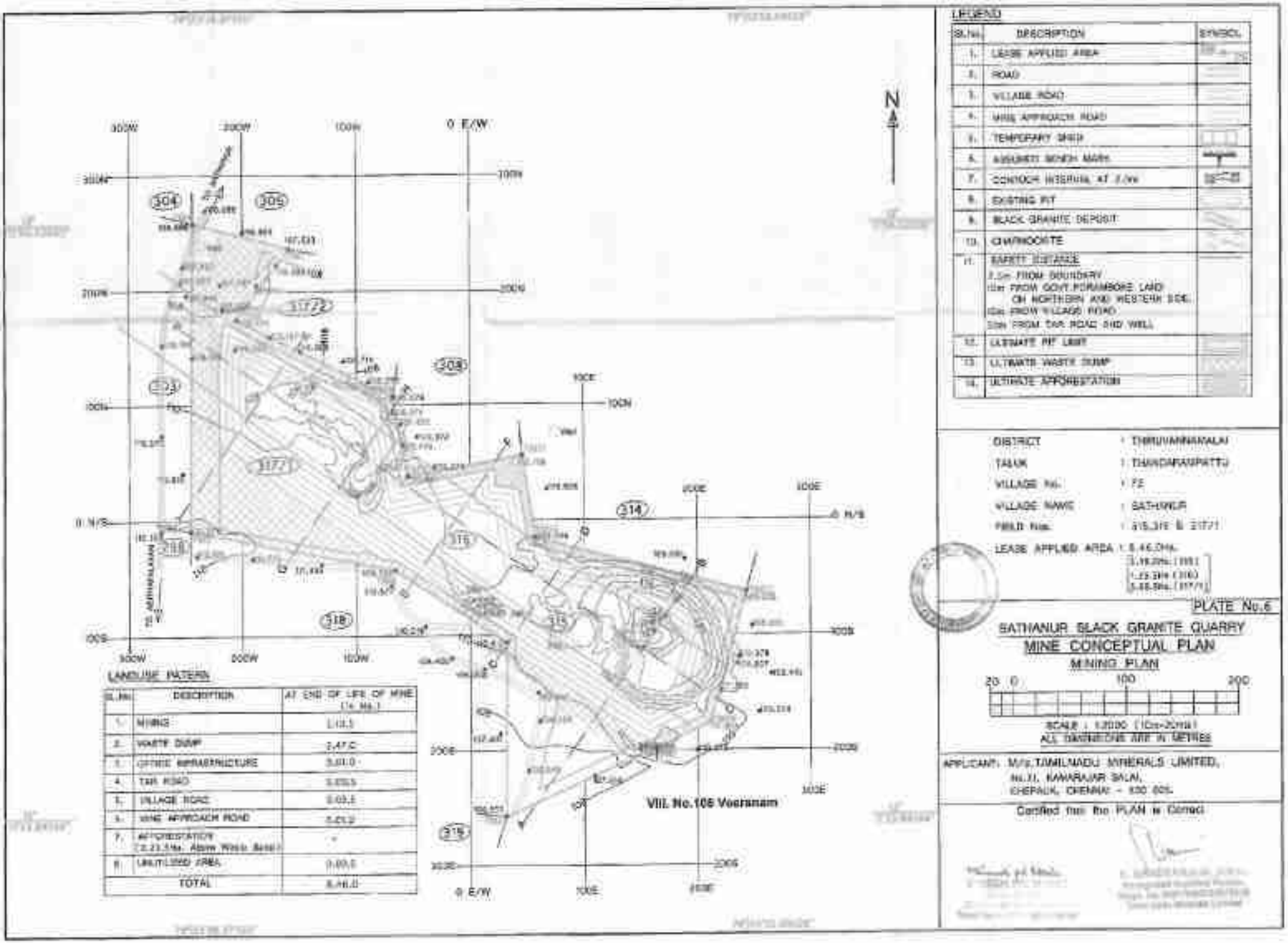
SATHANUR BLACK GRANITE QUARRY
LANDUSE AND AFFORESTATION PLAN
MINING PLAN

20 0 100 200

SCALE : 1:2000 (1Cm=20mts)
ALL DIMENSIONS ARE IN METRES

APPLICANT: M/s.TAMILNADU MINERALS LIMITED,
No.31, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.

Certified that the PLAN is Correct



LEGEND

Sl.No.	DESCRIPTION	SYMBOL
1.	LEASE APPLIED AREA	
2.	ROAD	
3.	VILLAGE ROAD	
4.	MINE APPROACH ROAD	
5.	TEMPORARY SHED	
6.	ASSUMED BENCH MARK	
7.	CONTOUR INTERVAL AT 2.0m	
8.	EXISTING PIT	
9.	BLACK GRANITE DEPOSIT	
10.	CHARNOCKITE	
11.	SAFETY DISTANCE 7.5m FROM BOUNDARY 10m FROM GOVT.POROMBOKE LAND ON NORTHERN AND WESTERN SIDE. 10m FROM VILLAGE ROAD 50m FROM TAR ROAD AND WELL	
12.	ULTIMATE PIT LIMIT	
13.	ULTIMATE WASTE DUMP	
14.	ULTIMATE AFFORESTATION	

LANDUSE PATTERN

Sl.No.	DESCRIPTION	AT END OF LIFE OF MINE (In Ha.)
1.	MINING	1.10.1
2.	WASTE DUMP	2.47.0
3.	OFFICE &INFRASTRUCTURE	0.01.0
4.	TAR ROAD	0.05.5
5.	VILLAGE ROAD	0.03.5
6.	MINE APPROACH ROAD	0.01.0
7.	AFFORESTATION (2.23.5Ha. Above Water Level)	-
8.	UNUTILISED AREA	0.03.5
	TOTAL	5.46.0

DISTRICT : THIRUVANNAMALAI
TALUK : THANDARAMPATTU
VILLAGE No. : 72
VILLAGE NAME : SATHANUR
FIELD Nos. : 315,316 & 317/1
LEASE APPLIED AREA : 5.46.0Hs.
(3.98.0Hs.(315)
1.23.0Hs.(316)
0.25.0Hs.(317/1))

PLATE No.6

SATHANUR BLACK GRANITE QUARRY
MINE CONCEPTUAL PLAN
MINING PLAN

20 0 100 200
SCALE : 1:2000 (1Cm=20m)
ALL DIMENSIONS ARE IN METRES

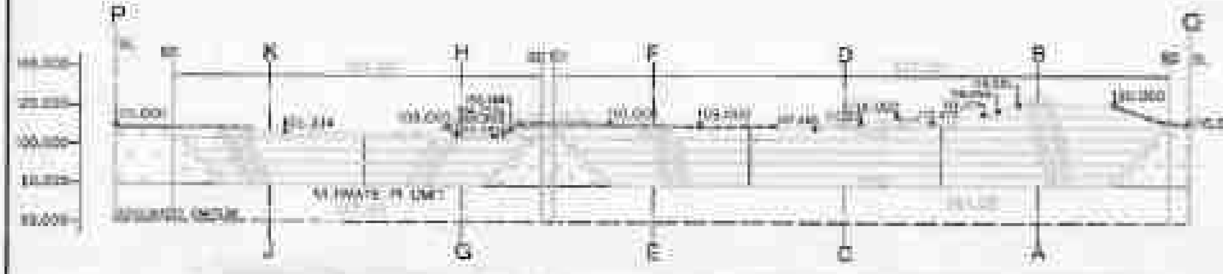
APPLICANT: M/s.TAMILNADU MINERALS LIMITED,
No.11, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.

Certified that the PLAN is Correct

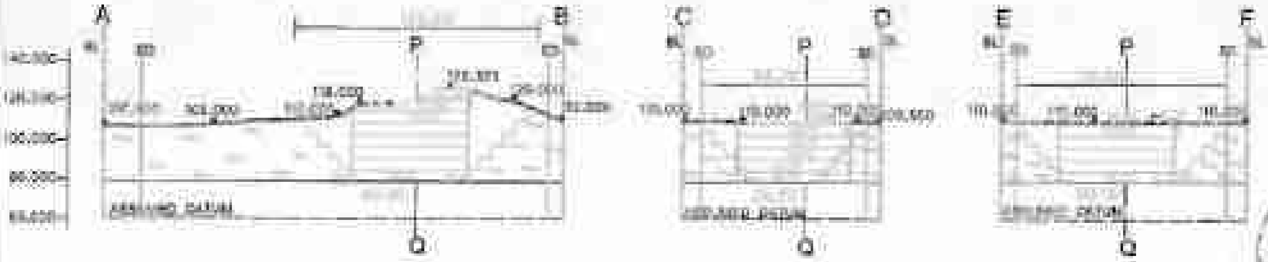
100

LEGEND

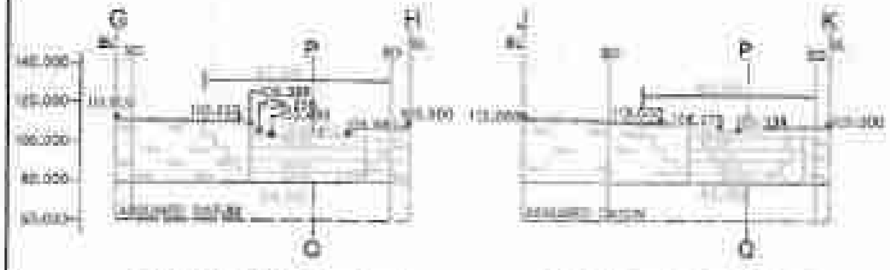
Sl.No.	DESCRIPTION	SYMBOL
1.	LEASE APPLIED AREA	
2.	EXISTING PIT	
3.	BOULDARY OUTCROP (1M DEPTH)	
4.	BLACK GRANITE DEPOSIT	
5.	CHARNOCKITE	
6.	ULTIMATE PIT LIMIT	
7.	SAFETY DISTANCE 7.5m FROM BOUNDARY 10m FROM GOVT.PORAMBOKE LAND ON NORTHERN AND WESTERN SIDE 10m FROM VILLAGE ROAD 50m FROM TAR ROAD AND WELL	



LONGITUDINAL SECTION ON - PQ



CROSS SECTION ON - AB   CROSS SECTION ON-CD   CROSS SECTION ON-EF



CROSS SECTION ON-GH   CROSS SECTION ON-JK

ULTIMATE PIT DIMENSION

Sl.No.	Detail	Ave.Length in M	Ave.Width in M	Ave.Depth in M
1.	Top bench	191.40+121.00 (512.83)	132.00	31.00
2.	Bottom bench	197.00+261.00 (358.63)	46.50	

DISTRICT : THIRUVANNAMALAI
TALUK : THANDARAMPATTU
VILLAGE No. : 72
VILLAGE NAME : SATHANUR
FIELD No. : 315, 316 & 317/1
LEASE APPLIED AREA : 8.46.0Ha.
[3.48.0Ha.(315)
1.29.5Ha.(316)
3.69.0Ha.(317/1)]

PLATE No.6a

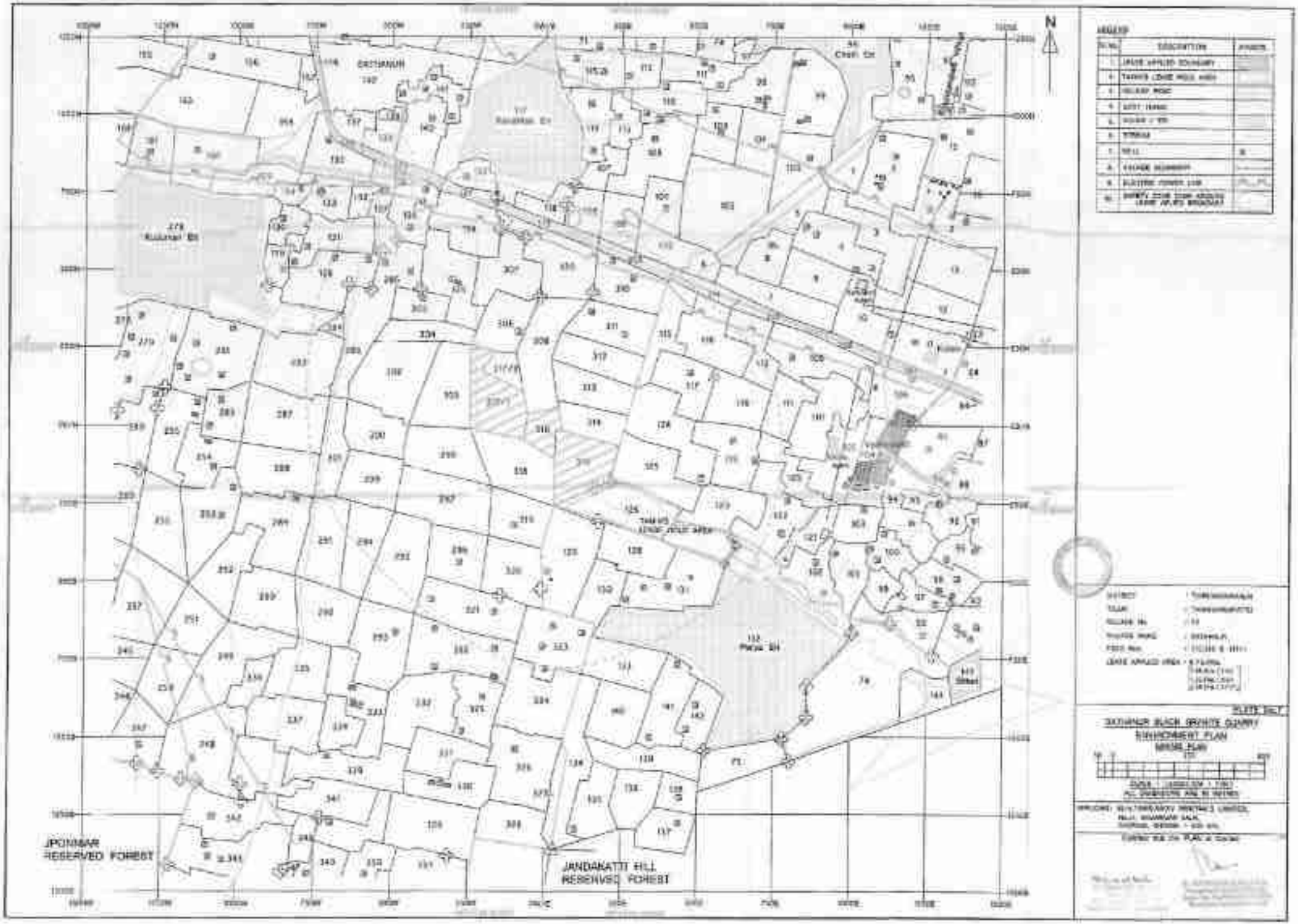
SATHANUR BLACK GRANITE QUARRY
MINE CONCEPTUAL SECTIONS
MINING PLAN

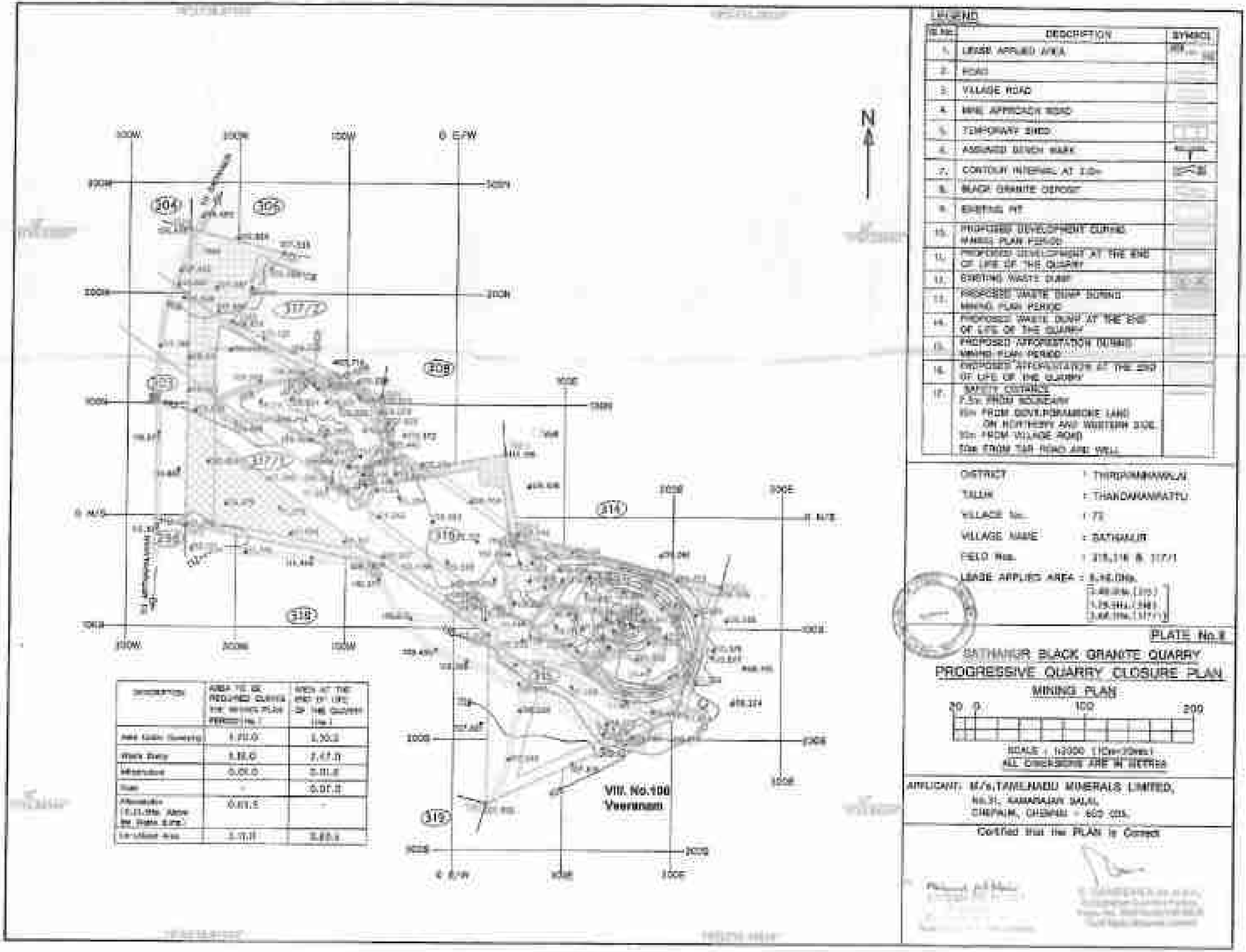
20 0 100 200

SCALE : 1:2000 (1Cm=20mts)
ALL DIMENSIONS ARE IN METRES

APPLICANT: M/s.TAMILNADU MINERALS LIMITED,
No.31, KAMARAJAR SALAI,
CHEPAUK, CHENNAI - 600 005.

Certified that the PLAN is Correct


N
JPONNAR
RESERVED FOREST
JANDAKATTI HILL
RESERVED FOREST
SATHANUR BLACK GRANITE QUARRY
ENVIRONMENT PLAN
NEAR PLAN



LEGEND
DESCRIPTION
SYMBOL
LEASE APPLIED AREA
ROAD
VILLAGE ROAD
MINE APPROACH ROAD
TEMPORARY SHED
ASSUMED BENCH MARK
CONTOUR INTERVAL AT 2.0m
BLACK GRANITE DEPOSIT
EXISTING PIT
PROPOSED DEVELOPMENT DURING MINING PLAN PERIOD
PROPOSED DEVELOPMENT AT THE END OF LIFE OF THE QUARRY
EXISTING WASTE DUMP
PROPOSED WASTE DUMP DURING MINING PLAN PERIOD
PROPOSED WASTE DUMP AT THE END OF LIFE OF THE QUARRY
PROPOSED AFFORESTATION DURING MINING PLAN PERIOD
PROPOSED AFFORESTATION AT THE END OF LIFE OF THE QUARRY
SAFETY DISTANCE
DISTRICT
TALUK : THANDARAMPATTU
VILLAGE NAME : SATHANUR
LEASE APPLIED AREA
PLATE No.8
SATHANUR BLACK GRANITE QUARRY
PROGRESSIVE QUARRY CLOSURE PLAN
MINING PLAN
0
100
200
ALL DIMENSIONS ARE IN METRES
APPLICANT: M/s.TAMILNADU MINERALS LIMITED,
CHENNAI
Certified that the PLAN is Correct
N
Vill. No.100
Veeranam

Annexure 6

DISTRICT SURVEY REPORT
FOR MINOR MINERALS OTHER THAN SAND MINING / RIVER BED MINING

MINOR MINERAL : GRANITE

(Prepared As Per Notification Of Ministry Of Environment, Forest And Climate Change - Moef & CC S.O.141 (E) Dated 15th January 2016 & S.O.3611 (F) Dated 25th July 2018)

MAY -2019

DISTRICT SURVEY REPORT TIRUVANNAMALAI DISTRICT

1. INTRODUCTION

Geologically Tiruvannamalai District mainly comprises of rocks of Archaeon age. The type of rocks found in the district are Charnockite, Granitic gneiss, Epidote Hornblende Gneiss, Amphibolite, Pyroxenite, Dunite, Migmatites, Banded Magnetite Quartzite, Shale and Clay. Dolerite dykes (Black Granite) are also noticed cutting across the country rocks.

The need of the minor minerals particularly for infrastructural development of Individuals as well as for the Government is increasing day by day rapidly, accordingly the mining of minor minerals, is also developing vigorously. However, each entity looking for a good environment for their habitat.

As per the Gazette Notification **S.O.3611 (E) Dated: 25.07.2018** Ministry of Environment, Forest and Climate Change (MoEF & CC),laid procedure for preparation of District Survey Report of minor minerals other than sand mining or river bed mining. The main purpose of preparation of District Survey Report is to identify the mineral resources and developing the mining activities along with other relevant data of the District.

This District Survey report, guides systematic and scientific utilization of natural resources, so that present and future generations benefit equally. The objective of District Survey Report (DSR) is to meet human needs while preserving the Environment so that these needs can be met not only in the present, also for future generation.

The minerals are basic and strategic material for industrial and Economic development. In mining, the possibilities of adverse effects on the Environment are quite high if the adverse effects are not contain are reduced to minimum. The Negative impact of Mining could be controlled through the application of the concept and principles of sustainable development to mining operation.

The District Survey report (DSR) contain mainly data published and endorsed by various Departments and websites about Geology of the area, Mineral Wealth details, Details of Lease and Mining activity in the District along with Revenue of Minerals. This report also contains details of Forest, Rivers, Soil, Agriculture, Road, Transportation and Climate etc.

The main purpose of preparation of District Survey Report is to identify the mineral resources and developing the mining activities along with other relevant data of the District.

List of occurrences of Minerals in Thiruvannamalai District:

1. Granite (Black Granite and Multi Colour Granite)
2. Rough Stone and associated products
3. Fire clay
4. Gravel / Ordinary Earth (Savudu) / Brick Earth

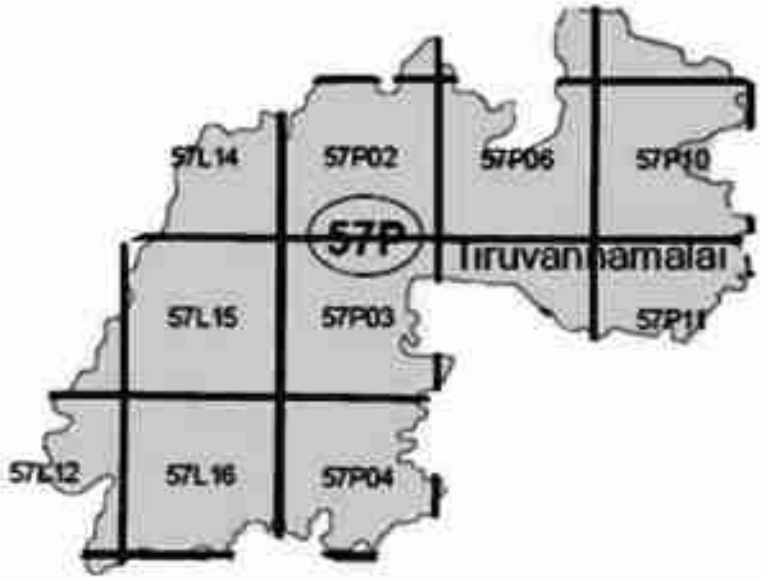
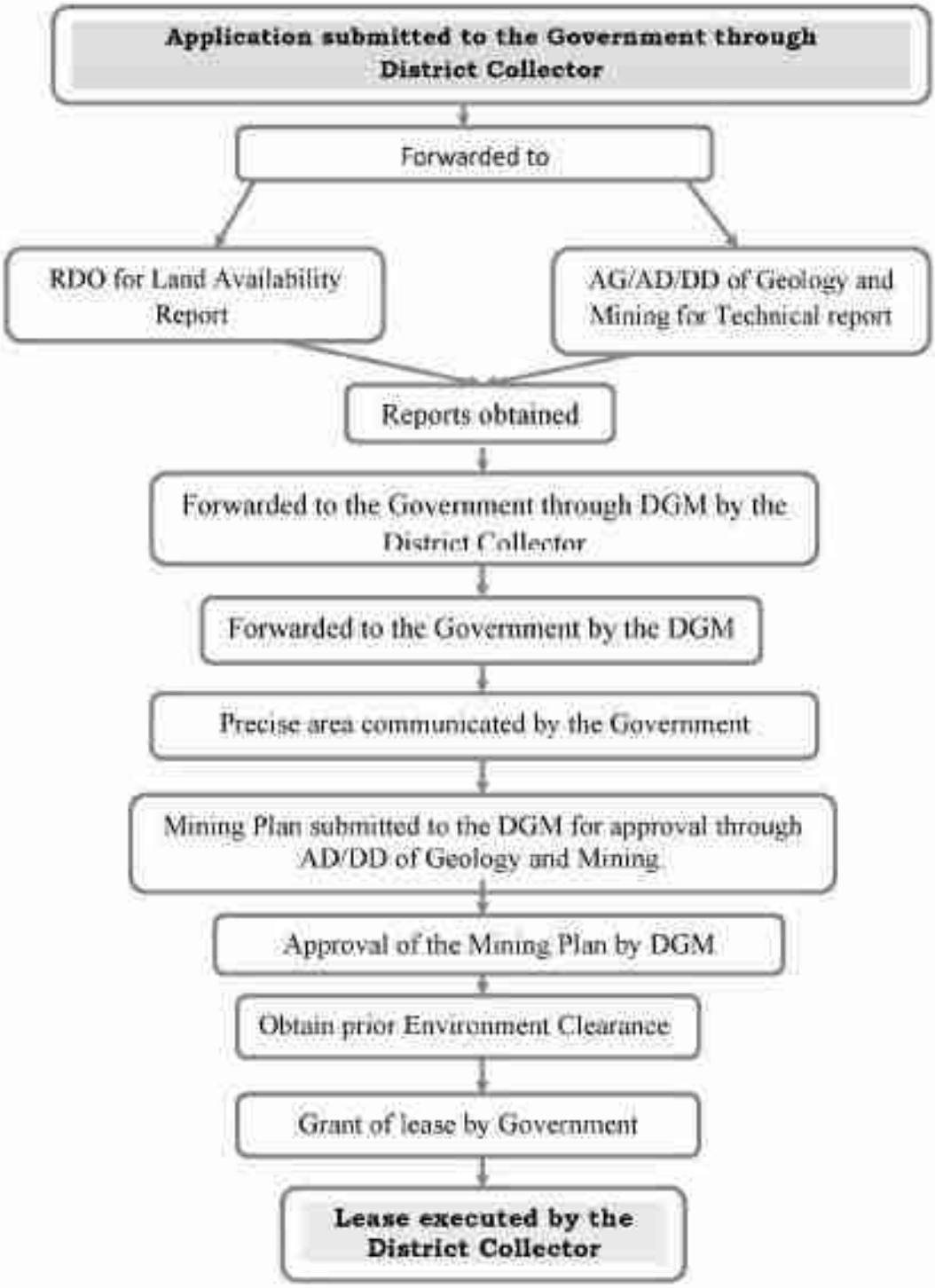


Fig. 1.1 Toposheet in Tiruvannamalai District

2. OVERVIEW OF MINING ACTIVITY IN THE DISTRICT

The Mining activities are carried out in the district by Opencast Mechanized method and Opencast Manual method. In opencast method, Mining activities being carried out by drilling and blasting and also deploying heavy machineries like pocklain, Breaker and compressors etc., Benches are formed along the strike on the hanging wall and footwall sides to work the deposit at depth.

Procedure for Grant of quarry lease for Minor Mineral - Granite



The office of the Assistant Director, Department of Geology and Mining is functioning under the control of District Collector, Thiruvannamalai. The Assistant Director, Geology and Mining are assisting the District Collector in the Mineral Administration works.

3. GENERAL PROFILE OF THE DISTRICT

Tiruvannamalai district lies in the northern part of Tamil Nadu, and 200 Km from the state capital Chennai. It is bounded on the north by Vellore District, on the east by Kanchipuram District, and Villupuram on the south by Villupuram District, and on the west by Dharmapuri, Krishnagiri and Vellore districts. Tiruvannamalai District is divided into 3 Revenue Divisions namely Tiruvannamalai, Arni and Cheyyar and 12 Taluks namely Tiruvannamalai, Kilpennathur, Chengam, Thandarampattu, Kalasapakkam, Polur, Arni, Chetput, Cheyyar, Vembakkam, Vandavasi and Jamanamarathur. Tiruvannamalai consist of 18 Blocks (Union), 4 Municipalities, 10 Town Panchayats and 860 Village Panchayats.

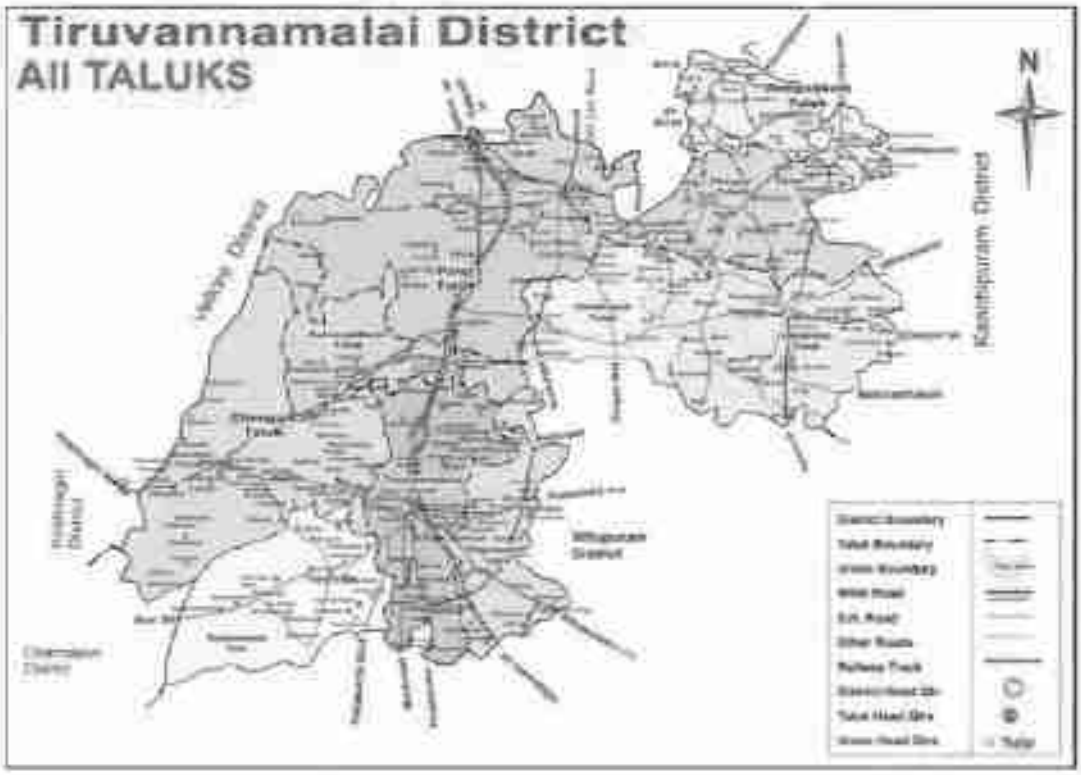


Fig.3.1 Tiruvannamalai District (Taluk wise)

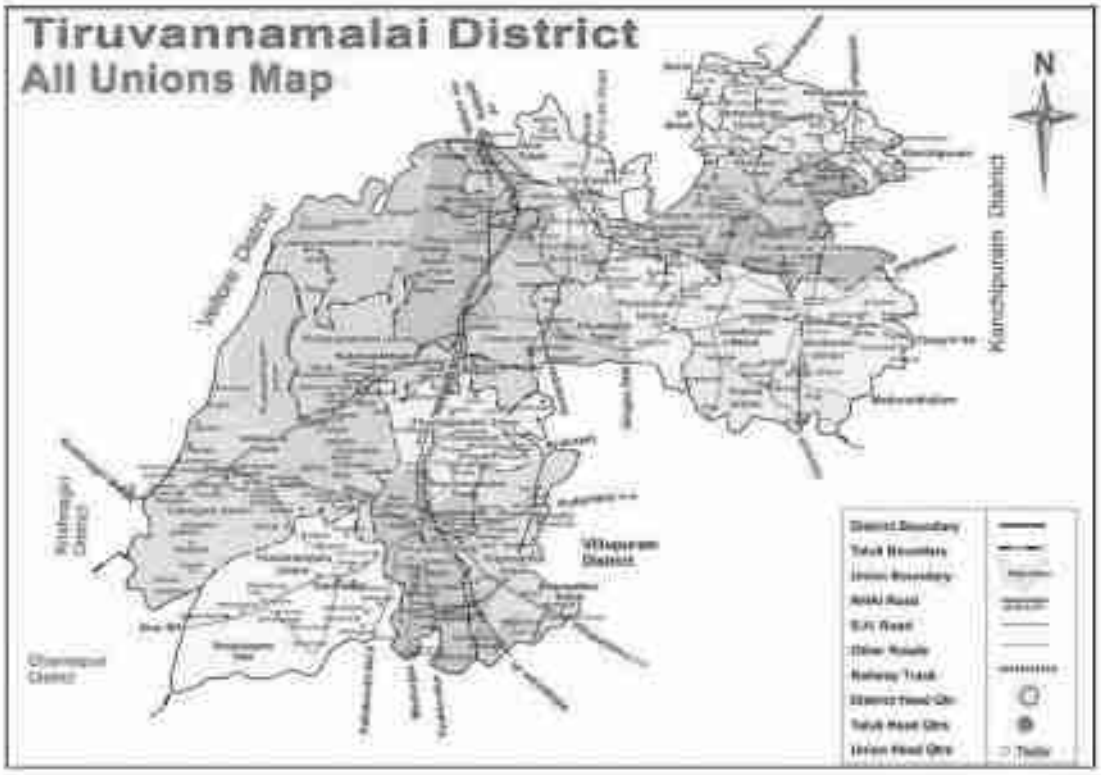


Fig.3.2 All Union Map, Tiruvannamalai District

TIRUVANNAMALAI DISTRICT PROFILE – 2017 - 18

Table	Geographical Position		
1	North Latitude between		Between 11.55 and 13.15'
	East Longitude between		Between 78.20 and 79.50'
2	Area and Population		
	1. Area in Square Km		6188
	2. Total Population as per 2011		2464875
	3. Density / Sq. Km		398
	4. Literate		
		Male %	83.11
		Female %	65.32
	Language spoken in the		Tamil
	Temperature (IN CELCIUS)		Max : 36.00 Min : 21.10
	Rainfall in mm		
	Normal		North East Monsoon : 446.5 South West Monsoon : 468.1
	Actual		North East Monsoon : 524.9 South West Monsoon : 621.9
	Agriculture (in Ha)		
	Total Cultivated area		314827
	Net area sown		208644
	Area sown more than once		106182
	Forests (in Ha)		
	Reserved forest		151799.64
	Forest		101017
	Un classed Forest		381.48

Places of worship and tourist

Tiruvannamalai is one of the most venerated places in Tamil Nadu. The main Deepam festival, Maha shivarathri and Pournami Girivalam attracts Tiruvannamalai and Parvathamalai devotees from far and wide throughout India and abroad. Further main features of the District attract historic places besides Tiruvannamalai, Arni, Vandavasi and Devigapuram connected to East India and French companies. It is also noticed that well-maintained tourist places such as Sathanur dam, Jawathumalai and Amirthy Game Park. In the late Chola period the Cholan of Sambuvarayar having Padavedu near Arni as HQ ruled this district.

4. GEOLOGY OF TIRUVANNAMALAI DISTRICT

The Entire district is underlain by the rocks belonging to hard crystalline rock masses of Archaean age. The Archaean rocks in this area are represented by rocks of eastern Ghat complex comprising charnockites, Migmatite complex of composite gneiss. The district is covered by metamorphic crystalline rocks of charnockite, composite gneiss of Archaean age. These rocks are highly metamorphosed and have been subjected to sever folding, crushing and faulting. Charnockites group is occupied by North and Southern part of the basin. The other rock type is encountered by composite granitic gneiss of Epidote hornblende biotite gneiss and hornblende biotite gneiss are occupy in the middle portion of the basin. Charnockite group occupies the high ground as well as plain and it is poorly weathered and jointed. They are generally black grey to dark grey in colour medium to coarse grained texture, and generally massive and un-foliated. A gneissic rock occurs as linear bands in the middle portion of the area and is highly migmatised. Mostly, micaceous with bands of granites, pegmatites, quartz veins the rock is well foliated. The Hornblende biotite gneiss forms the country rock of the area and epidote hornblende gneiss (Proterozic age) occurs as small isolated outcrops. The crystalline formations are charnockite, granitic gneiss of Archean age have been intrude by dolerite dykes and pegmatite veins. These rocks are highly metamorphosed and have been subjected to very severe folding, crushing and faulting. The crystalline rocks are subjected to tectonic activities under various orogenic cycles resulting in the development of secondary structures such as joints, fissures and cleavages. The intensity of weathering varies from place to place.

Highly weathered zones and granitic rock occurs in masses are around some of the villages like Ariyanalur, Mulkunam, Kaarunkuli Tondur, vedal, Melolakkur, Pennagar, Chinnaagram (57p/7). The general geological sequence of formation is given in the Table.

Age	Stage	Lithology
Archaean	Migmatite Complex	Biotite Gneiss, Epidote, Hornblende gneiss.
	Charnockite Group	Magnetite

BLACK GRANITE

Dolerite dyke commercially called as Black Granite play a vital role in the mineral resources of this District. Black Granite is found in Tiruvannamalai, Chengam, Thandarampattu and Vandavasi Taluks.

Photo:1. Black Granite, **Location:** Seiyalam, VandavasiTaluk
Folistion: N65°E / 80°SE **Coordininates :**12° 26' 40.29" N, 79° 43' 23.56" E

Photo:2. Black Granite **Location:** Atthipakkam, VandavasiTaluk

Foliation : N-S / 60°SE **Coordininates :** 12° 27' 38.56" N, 79° 35' 53.39" E

MULTI COLOUR GRANITE

The granite gneisses commercially called as Multi Coloured Granite are noticed in parts of Tiruvannamalai, Arni, Thandarapmpattu, Polur and Chetpet Taluks.

Foliation : S80°E / 80°SW **Coordininates** :12° 30' 28.21" N,
Joint : S50°W / 80°SW 79° 18' 03.11" E
: E-W / 60°N

Photo. 3 & 4: Multi Colour Granite

Location : Nachiayapuram, Chetpet Taluk

5. DRAINAGE AND IRRIGATION PATTERN

Drainage :

Cheyyar river which originates from Jawadhu Hills, flows in a southern direction at first, and turns south-east near Chengam after flowing through Polur, Vandavasi and Cheyyar taluks. Palar raising near Nandidurg in Mysore enters Vellore district passing through Gudiyatham, Walajah and Arakonam taluks before entering into Cheyyar taluk of Tiruvannamalai district and there after enters into Kancheepuram district. Pennaiyar and South Pennaiyar originate from Nandidurg of Karnataka. They pass through Dharmapuri district and enter southern part of Chengam taluk before entering in to Viluppuram district. Finally, the river enters into the Bay of Bengal at Cuddalore.

The river is dry for the most part of the year. Water flows during the monsoon season when it is fed by the southwest monsoon in catchment area and the northeast monsoon 45 in Tamil Nadu. A dam has been constructed across this river at Sathanur which is a picnic spot in this district. Sathanur Reservoir provides drinking water to Tiruvannamalai town and the water is used for irrigation when the reservoir is filled with surplus water.

Irrigation

Tanks and dug wells were the major sources of irrigation in the district. The district had 604 major tanks (with ayacut of 40 ha. or more) and 1,361 small tanks (with ayacut of less than 40 ha.) There were 1,050 private borewells, 200 dug-cum-bore wells and 1, 54,415 open wells in the district. Sathanur reservoir is built across the Thenpennai river with an ayacut of 18,882 ha. benefiting both Tiruvannamalai and Villupuram districts

Source : Records of Office of Assistant Director of Statistics, Tiruvannamalai

6. LAND UTILISATION PATTERN IN THE DISTRICT: FOREST, AGRICULTURAL, HORTICULTURAL, MINING, Etc.,

The total geographical area of the district is 6,191 Sq. km.

Details of Land Utilization pattern of Tiruvannamalai District

S. No	Classification	Area in Ha	Percentage
1	Forest	1,53,318	24.76
2	Barren and uncultivable land	21,058	3.40
3	Land put to non agricultural uses	92,598	15.00
4	Cultivable waste	14,963	2.41
5	Permanent pastures and other grazing land	2,908	0.46
6	Land under miscellaneous, tree crop sand groves included in the net area sown	2,690	0.43
7	Current fallows	68,662	11.09
8	Other fallow lands	32,621	5.27
9	Net area sown	2,30,282	37.19
10	Total Geographical area	**6,19,100**	**100.00**

Source: Records of Office of Department of Revenue, Tiruvannamalai

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7. SURFACE WATER AND GROUND WATER SCENARIO OF THE DISTRICT

Surface water

The major rivers traversing the area are Ponnaiyar and Cheyyar.The major part of the district falls under the Palar sub catchment and extreme southern part of the district fall under Ponnaiyar sub catchment.

Cheyyar river which originates from Jawadhu Hills, flows in a southern direction at first, and turns south-east near Chengam after flowing through Polur, Vandavasi and Cheyyar taluks. Palar rising near Nandidurg in Mysore enters Vellore district passing through Gudiyatham, Walajah and Arakonam taluks before entering into Cheyyar taluk of Tiruvannamalai district and there after enters into Kancheepuram district. Pennaiyar and South Pennaiyar originate from Nandidurg of Karnataka

Ground water:

Ground Water is found beneath the earth's surface and is an importantsource of water in most of the Districts in the State. Ground Water is withdrawn for Agriculture, Municipal and industrial use. The depth at which the ground water is found is called Ground water Table.The district is classified into different blocks based on the ground water abstraction rate.

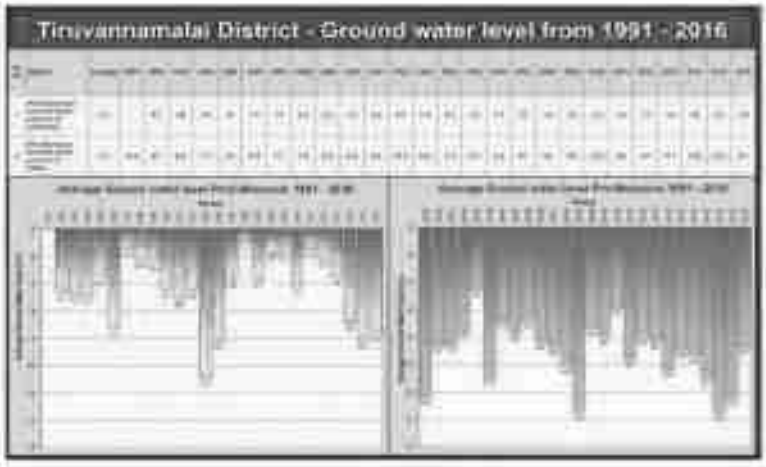


Figure 7.0 Geology And Mineral Resources Map Of Tiruvannamalai District

Over exploited (Greater than 100%)	Critical (Between 90 and 100%)	Semi – Critical (70 – 90%)	Safe (Less than 70%)
Chengam, Cheyyar, Kilpennathur, Osur Pachal, Melpallipattu, Somaspadi, Malaiyur, Pudupalayam, Vandavasi, Thandarampat , Thurinjapuram, Veraiyur.	Kettavarampalayam, Nayadumangalam, Vanapuram, Eraiyur, Thanipadi, Thatchampattu, Chennavaram, Vadathandalam, Desur, Kelur, Kilkodungalur, Kolappalur, Nedungunam, Peranamallur, Santhavasal, Thachambadi	Anakavoor, Dusi, Kadaladi, Kalasapakkam, Mandakolathur, Modayur, Polur, T.V. Malai (South), Vakkadai, Vinnamangalam, Mullipattu , Nateri, Thethurai, Mangalam, Agrapalayam, Kannamangalam Vakkadai, Vettavlam.	Perungattur, Sathyavijayanagaram Vembakkam, Arni

Source : Tamil Nadu Water Supply and Drainage Board

8. RAINFALL OF THE DISTRICT AND CLIMATE CONDITIONS.

Rainfall

The area receives rainfall and the 5 year rainfall collected from the IMD, Chennai is as follows.

Actual rainfall in mm					Normal rainfall in mm
2013	2014	2015	2016	2017	
812.80	799.10	1247.4	684.7	1251.3	1039.66

Climatic Conditions.

This district has moderate climate. In Tiruvannamalai and Chengam taluks, the climate is cool in winter and hot during summer. The district gets rainfall during both north-east monsoon and southwest monsoon. The physiographic nature prevailing in the district forces variation in the climatic conditions. The rainfall of the region depends on the south-west and the north-east monsoons. Except southern taluks of Cheyyar and Vandavas, the district experience moderate rainfall during north-east monsoon. In summer, from March to June, the wind is hot and uncomfortable. In the monsoon seasons, from July to November, the wind is mild and from December to February, the wind is cold. The hottest month in this district was April (36.3° C) and coldest month in this district was January (21.2° C).

9. DETAILS OF THE GRANITE MINING LEASES IN THE DISTRICT AS PER THE FOLLOWING FORMAT:-

Sl. No	Name of the Mineral	Name of the Lessee	Address & Contact No. lessee	Mining lease Grant Order No. & date	Area of Mining lease (ha)	Period of Mining lease (Initial)		Period of Mining lease (1st / 2nd ... renewal)		date of commencement of Mining operation	Status (working/Non Working/Temp. Working for dispatch etc.,	Captive / Non-Captive	Obtained Environmental Clearance (Yes/No) If yes letter No with date of grant of EC	Location of the mining lease (Latitude & Longitude)	Method of Mining (Opencast/underground)
						From	To	From	To						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Black Granite	TAMIN	39, Kamarajar Salai Chennai	G.O.Ms.No.164/Ind (MME1)Dept. Dt:29.12.2006	8.61.5	08.01.2007	07.01.2027	-	-	08.01.2007	Operative	Non Captive	Yes SEIAA-TN/F.No.1258/EC/1(a)/EC.No.1832/2014 dt.27.03.2015	Thandarampattu Thandarampattu 12° 10' 08"N 12° 10' 23"N 78° 56' 24"E 78° 56' 39"E	Opencast
2	Black Granite	Tvl.Magam Inc.	Chennai.	G.O.No.1376 /Ind/MME-1 / Dept. dt.28.11.1990	0.86.0	05.12.1999	04.12.2019 Renewal applied	-	-	05.12.1999	Non-Operative	Non Captive	Yes SEIAA-TN/F.No.4403/EC/1(a)/EC.No.3682/2016 dt.08.08.2016	Agarampallipattu-Thandarampattu 12°05'27"N 12° 05'30"N 78°57'59"E 78°58'03"E	Opencast
3	Black Granite	M/S. Aruna Granites,	109-A Big Street, Tiruvannamalai.	G.O.M.S. (4D) No.2/ Ind (MMB1) Dept. dt.27.8.1999	2.21.0	21.01.2000	20.01.2020	-	-	21.01.2000	Non-Operative	Non Captive	-No-	Nadanhiganandal Tiruvannamalai 12°10'55"N 79°09'26"E	Opencast
4	Black Granite	Tvl.Enterprising Exporters	Chennai.	G.O.No.1375/Ind/MME-1/ Dept. dt.28.11.1990	4.95.0	05.12.1990	04.12.2020 Renewal applied	-	-	05.12.1990	Non-Operative	Non Captive	-No-	Vettavalam Tiruvannamalai 12° 06'45"N 79°15'30"E	Opencast

5	Black Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O 28/Ind/MM E1 Dept. dt.24.03.2004 Renewal granted	20.50.0	15.06.2004	14.06.2024	-	-	15.06.2004	Non- Operative	Non Captive	-No-	Veeranam Thandanum pattu 12°11'11.85"N 12°11'40.41"N 78°53'46.95"E 78°54'38.33"E	Opencast
6	Black Granite	TAMIN	39, Kamarajar Salai Chennai	G.O.57/Ind/MM E/Dept dt.31.08.2004	4.79.5	29.11.2004	28.11.2024	-	-	29.11.2004	Non- Operative	Non Captive	-No-	Appunaick an- palayam Thandaramp attu 12°32'32.56"N 78°08'57.22"E	Opencast
7	Black Granite	TAMIN	39, Kamarajar Salai Chennai	G.O.No.21/Ind/ 112/Dept. Dt.03.08.2009	6.73.5	01.09.2009	31.08.2029	-	-	01.09.2009	Non- Operative	Non Captive	-No-	Thandram pattu Thandramp attu 12°28'15"N 79°55'30"E	Opencast
8	Black Granite	TAMIN	39, Kamarajar Salai Chennai	G.O.Ms (3D)No. 1/Ind.(MME1) Dept. Dt.25.01.2012	*27.5	20.04.2012	19.04.2042	-	-	20.04.2012	Non- Operative	Non Captive	-No-	Kolamanja nur Thandramp attu 12° 0'21.85" N 12°07'30.69" N 79°5'19.52"E 79°53'32.94"E	Opencast
9	Multi Colour Granite	TAMIN	39, Kamarajar Salai Chennai	G.O.Ms (3D)No. 61/Ind.(MME1) Dept. Dt.05.12.2011	10.50.5	21.02.2012	20.02.2042	-	-	21.02.2012	Non-Operative	Non Captive	Yes SEIAA-TN/F.No.146 0/EC/1(a)/ EC.No.1831/2 014 dt.27.03.2015	Rayanda- puram Thandram pattu 12°04'26.24"N 12°04'36.44"N 79°53'36.28"E 79°56'46.46"E	Opencast
10	Multi Colour Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.Ms (3D)No. 02/Ind (MME1)Dept. Dt.25.01.2012	22.26.0	27.04.2012	26.04.2042	-	-	27.04.2012	Non- Operative	Non Captive	Yes SEIAA-TN/F.No.145 9/EC/1(a)/ EC.No.1721/2 014 dt.31.03.2015	Nachapuram Area 12°30'21"N 12°30'47"N 79°18'19"E 79°18'33"E	Opencast

11	Multi Colour Granite	TAMIN	10, Kamaraja Salai, Chennai	G.O.Ms.No.111/ Ind (MME1) Dept., Dt:30.08.2005	22.88.5	17.10.2005	16.10.2015	-	-	17.10.2005	Non-Operative	Non Captive	No-	Sengunam Polur 12°32'24"N 79°09'00"E	Opencast
12	Black Granite	Tvl. Sun Shine Enterprises Pvt Ltd.,	Enterprises Pvt. Ltd., Coimbatore	G.O.No.104/Ind (MME1) Dept, Dt: 08.11.2004	8.37.5	10.12.2004	09.12.2024	-	-	10.12.2004	Non-Operative	Non Captive	Yes SEIAA-TN/F.No.537 0/EC/1(a)/ EC.No.3315/2 016 dt.15.07.2016	Thiruvada-thamir Thandam-pattu 12°06'11"N 12°06'16"N 78°53'44"E 78°53'50"E	Opencast
13	Black Granite	Tvl.Madhucon Granites Ltd	Khammam AP	G.O. M.S. (3D) No. 10/ Ind (MME-1)Dept. Dt: 4.3.2008	2.89.5	17.3.2008	16.3.2018	-	-	17.3.2008	Non-Operative	Non Captive	Yes SEIAA-TN/F.No.510 4/EC/1(a)/ EC.No.3218/2 016 dt.06.07.2016	Edaikal Thandaram-pattu 12° 03'58" N 12° 04'2" N 79°00' 23"E 79°00' 34"E	Opencast
14	Black Granite	M.Ramasamy	Muthu Gounder Colony, Hanur-638303	G.O.(3D).No.7/ Industries (MMI3.2) Department, Dt.16.03.2015	1.79.0	15.03.2015	14.03.2025	-	-	15.03.2015	Non-Operative	Non Captive	Yes SEIAA-TN/F.No.276 9/EC/1(a)/ EC.No.1607/2 014 dt.19.02.2015	Thondaman ur Thandaram-pattu 12°04'38"N 12°04'37"N 78°56'41"E 78°56'48"E	Opencast
15	Black Granite	N.Viswanathan	Eraiyur Village, Vanur Taluk, Villupuram District.	G.O.(3D).No.30 / Industries (MMI3.2) Department, Dt:29.10.2015	1.07.5	08.12.2015	07.12.2025	-	-	08.12.2015	Non-Operative	Non Captive	Yes SEIAA-TN/F.No.367 9/EC/1(a)/ EC.No.2201/2 015 dt.15.10.2015	Rayandap uram Thandara mpattu 12°05'20"N 12°05'23"N 78°56'20"E 78°56'30"E	Opencast
16	Black Granite	Tvl.Lakshmi Sai Granites,	No.4/401-C, Adhiyaman Nagar, Krishnagiri	G.O.(3D).No.14/ Industries (MMI3.2) Dpt, dt:25.01.2016	3.10.0	08.02.2016	07.02.2026	-	-	08.02.2016	Operative	Non Captive	Yes SEIAA-TN/F.No.447 2/EC/1(a)/ EC.No.2668/2 015 dt.04.01.2016	Agrampal lipattu Thandaram-pattu 12°05'27.93"N 12°05'37.63"N 78°57'55.03"E 78°58'01.41"E	Opencast

17	Black Granite	Tvl.A.Gunase karan	Balajinagar Chennai	G.O.(M.S.) (3D) No. 11 /Ind (MME-1) Dept, date: 05.3.2008.	1.22.0	31.3.2008	30.3.2028	-	-	31.3.2008	Non- Operative	Non Captive	Yes SEIAA-TN/F.No.518 6/EC/1(a)/ EC.No.36892 016 dt.08.08.2016	Athipakka m - Varadayani 12°27'37.41"N 12°27'42.18"N 79°35'53.49"E 79°35'57.22"E	Opencast
18	Black Granite	Tvl.Regal Granites and Stone	Works, No.34/66, Gunes Road, Ambur, Vellore District	G.O.No.27/ Ind/dept dt.02.03.2005	2.47.5	06.06.2005	05.06.2025	-	-	06.06.2005	Operative	Non Captive	Yes SEIAA-TN/F.No.554 9/EC/1(a)/ EC.No.35492 016 dt.10.08.2016	Palamara-thur Chengam 12° 37' 05"N 78° 28' 00"E	Opencast
19	Black Granite	R.Radhakrish nan	134Main street, Kamoonur Village, Villupuram	G.O. (3D) No. 61 /Ind (MMB-1) Dept. Dated 03.12.2010.	1.41.0	9.12.2010	8.12.2030	-	-	9.12.2010	Non- Operative	Non Captive	-No-	Vazhutha ngulam Tiruvanna m 12° 20' 00"N 79° 13' 00"E	Opencast
20	Black Granite	R.K.Ramesh	Virukampakkam Chennai	G.O. M.S. (3D) No. 12/Ind (MME-1) Dept. Dated 06.03.2008.	1.27.0	17.3.2008	16.3.2028	-	-	17.3.2008	Non- Operative	Non Captive	-No-	Kariam-poondi Tiruvanna malai 12°15'53"N 12°15'58"N 79°11'00"E 79°11'06"E	Opencast
21	Black Granite	Tvl.Zohra Imbex	B2, T5, Rohini Garden Enclave, Pattabiraman Street, Thennur, Trichy-17	G.O.50/Ind/ MME-1/dept dt.11.7.2005	1.00.0	01.8.2005	31.7.2025	-	-	01.8.2005	Non- Operative	Non Captive	-No-	Eraiyur Chengam 12°17'30"N 78°46' 00"E	Opencast
22	Black Granite	Tvl.Balaji Granites.	Nampalli Village, Harur Taluk, Dharmapuri District.	G.O.No.107/Ind Dept, Dt. 24.11.2004.	1.07.5	24.12.2004	23.12.2024	-	-	24.12.2004	Non- Operative	Non Captive	-No-	Mothakkal Thandara mpattu 12°05'35"N 78°43'40"E	Opencast
23	Black Granite	Tvl.Madhucon Granite Ltd.	Khammam	G.O.3DNo.72/ Ind/ (MME-1) dept dt.01.11.2006	2.73.9	9.11.2006	8.11.2026	-	-	9.11.2006	Non- Operative	Non Captive	-No-	Appunaick en alayam Thandarampattu 12° 06'35"N 78°53'02"E	Opencast

24	Black Granite	Tvl. Mir Nazim Ali.	Jagadevi, Krishnagiri	G.O.3(D) No.50/Ind/ MME-1/dgm dt.22.7.2008	2.26.0	1.9.2008	31.8.2028	-	-	1.9.2008	Non-Operative	Non Captive	-No-	Thenkarumpalur & Vanapuram Thandarampattu 12° 08' 00"N 78° 58' 00"E	Opencast
25	Black Granite	Tvl.Oriental Minerals, rhone.	Sri Ram Nagar, Trichy road, Namakkal	G.O.3(D) No211/Ind/ MMD-2/Dept dt.31.5.1994 &	1.10.0	04.07.1994	03.07.2014 (Renewal applied)	-	-	04.07.1994	Non-Operative	Non Captive	-No-	Malaimanjanur Thandarampattu 12°06'35"N 78°52'30"E	Opencast
26	Black Granite	Tvl.K.Vijay kumar.	No.3, Palace Nagar, Pudukottai & District.	G.O. (3D) No.94/ Ind/ Dept Dt: 4.12.2006	1.07.5	18.12.2006	17.12.2026	-	-	18.12.2006	Non-Operative	Non Captive	-No-	Seivalam Vandavasi 12°26'45"N 78°43'30"E	Opencast

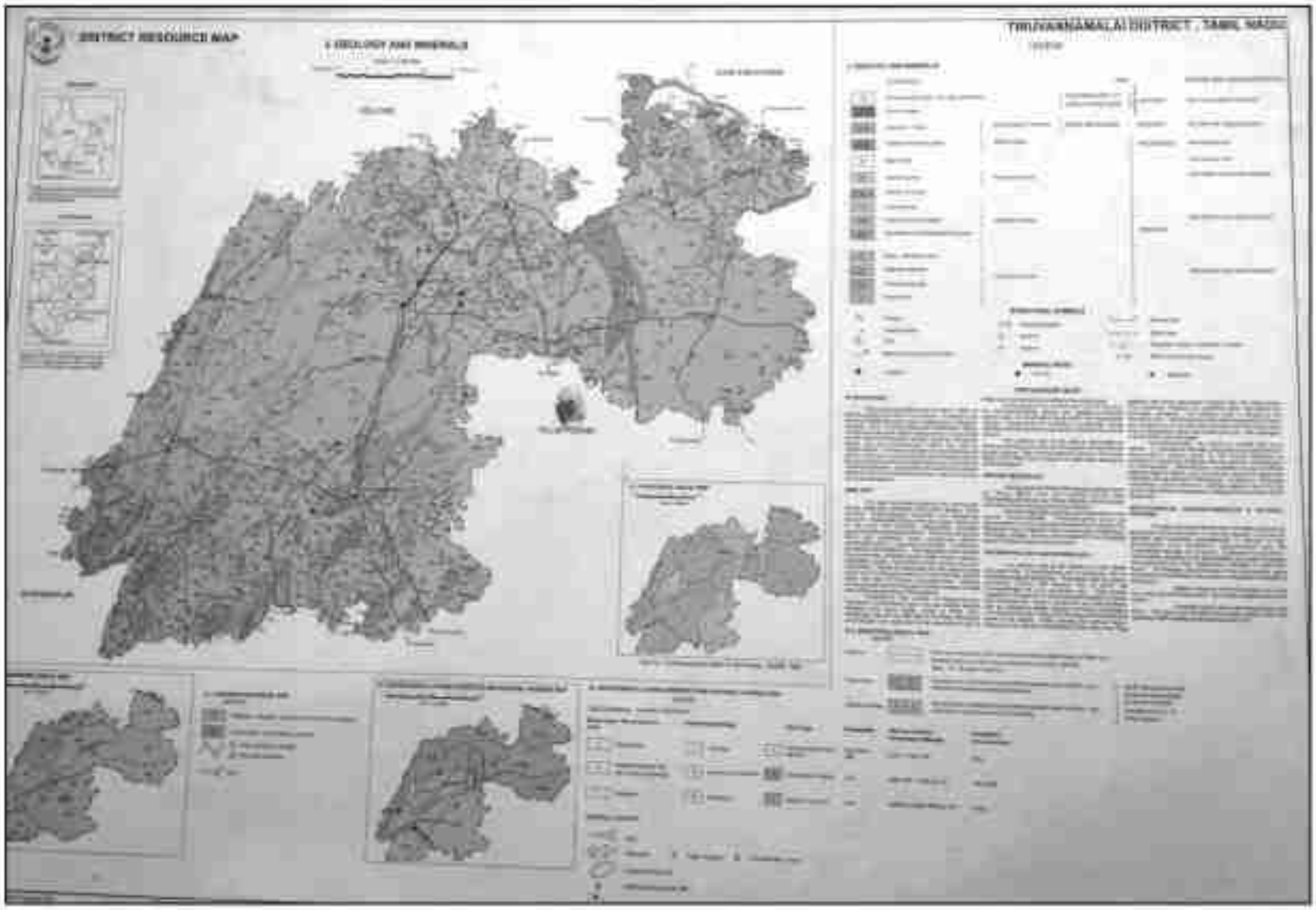
10. DETAILS OF ROYALTY OR REVENUE RECEIVED IN LAST THREE YEARS (2016-17 TO 2018-19)

Sl.No	Year	Revenue realized
1.	2016-2017	15242043
2.	2017-2018	16996937
3.	2018-2019	14872518

11. DETAILS OF PRODUCTION OF MINERALS IN LAST THREE YEARS (2016-17 TO 2018-19)

Sl.No	Year	Production of Granite
1.	2016-2017	4014.092
2.	2017-2018	4315.219
3.	2018-2019	4165.357

12. MINERAL MAP OF THE DISTRICT:-



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13. LIST OF LETTER OF INTENT (LOI) HOLDERS IN THE DISTRICT ALONG WITH ITSVALIDITY AS PER THE FOLLOWING FORMAT:-

Sl. No	Name of the Mineral	Name of the lessee	Address & contact no. of letter of Intent holder	Letter of Intent Grant order No. & date	Area of mining lease to be allotted (Ha)	Validity of LOI	Use (Captive/ Non-captive)	Location of the Mining lease (Latitude & Longitude)
NIL								

14. TOTAL MINERAL RESERVES AVAILABLE IN THE DISTRICT:-

Sl. No	Name of the Mineral	Name of the Lessee	Address & Contact No. lessee	Mining lease Grant Order No. & date	Area of Mining lease (ha)	Location of the mining lease (Latitude & Longitude)	Total Quantity (Geological Reveres)
1	2	3	4	5	6	7	8
1	Black Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.Ms.No.164/Ind (MME1)Dept, Dt:29.12.2006	**8.61.5**	Thandarampattu Thandarampattu **12° 10' 08"N 12° 10' 23"N 78° 56' 23"E 78° 56' 38"E**	1048590 cbm
2	Black Granite	Tvl.Magam Inc,	Chennai.	G.O.No.1376 /Ind/ MME-1 / Dept. dt.28.11.1990	**0.86.0**	Agarampallipattu-Thandarampattu **12°05'27"N 12° 05'30"N 78°57'59"E 78°58'03"E**	82500 cbm
3	Black Granite	M/S. Aruna Granites,	109-A Big Street, Tiruvannamalai.	G.O.M.S. (4D) No.2/ Ind (MMB1) Dept. dt.27.8.1999	**2.21.0**	Nadazhaganandal Tiruvannamalai **12°10'55"N 79°09'26"E**	29385 cbm
4	Black Granite	Tvl.Enterprising Exporters	Chennai.	G.O.No.1375/Ind/MME-1/ Dept. dt.28.11.1990.	**4.95.0**	Vettavalam Tiruvannamalai **12° 06'45"N 79°15'30"E**	412500 cbm
5	Black Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.28/Ind/MME1 Dept, dt:24.05.2004 Renewal granted	**20.50.0**	Veeranam Thandarampattu **12°11'11.85"N 12°11'40.41"N 78°53'46.95"E 78°54'38.33"E**	1634965 cbm

6	Black Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.57/Ind/MME/Dept dt:31.08.2004	**4.79.5**	Appunaickan-palayam Thandarampattu **12°32'32.56"N 78°08'57.22"E**	346544 cbm
7	Black Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.No.21/Ind/H2/Dept, Dt:03.08.2009.	**6.73.5**	Thandrampattu Thandrampattu **12°20'15"N 78°55'30"E**	582455 cbm
8	Black Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.Ms.(3D)No.1/Ind (MME1) Dept., Dt:25.01.2012	**7.27.5**	Kolamanjanur Thandrampattu **12° 03'21.05" N 12°07'30.69" N 79°53'19.52"E 79°53'32.94"E**	70467 cbm
9	Multi Colour Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.Ms.(3D)No.61/Ind (MME1) Dept., Dt:05.12.2011	**10.50.5**	Rayanda-puram Thandram-pattu **12°04'26.24"N 12°04'36.44"N 78°53'36.28"E 78°56'46.46"E**	485040 cbm
10	Multi Colour Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.Ms.(3D)No.02/Ind (MME1)Dept., Dt:25.01.2012	**22.26.0**	Nachapuram Arni **12°30'21"N 12°30'47"N 78°18'19"E 78°18'33"E**	6574392 cbm

11	Multi Colour Granite	TAMIN	39, Kamarajar Salai Chennai.	G.O.Ms.No.111/Ind (MME1) Dept., Dt:30.08.2005	**22.88.5**	Sengunam Polur **12°32'24"N 79°09'00"E**	8037885 cbm
12	Black Granite	Tvl. Sun Shine Enterprises Pvt. Ltd.,	Enterprises Pvt. Ltd., Coimbatore	G.O.No.104/Ind (MMB.1) Dept. Dt: 08.11.2004.	**1.17.5**	Thiruvada-thanur Thandara-mpattu **12°06'11"N 12° 06'16"N 78°53'44"E 78°53'50"E**	9282 cbm
13	Black Granite	Tvl.Madhuco n Granites Ltd	Khammam AP	G.O. M.S. (3D) No. 10/ Ind (MME-1)Dept. Dt: 4.3.2008.	**2.39.5**	Edakkal Thandaram-pattu **12° 03'58" N 12° 04'5" N 79°00' 23"E 79°00' 34"E**	76000 cbm
14	Black Granite	Thiru.M.Ram asamy	MuthuGounder Colony, Harur-636903.	G.O.(3D) No.7 / Industries (MMB.2) Department, Dt:10.03.2015.	**1.79.0**	Thondamanur - Thandaram-pattu **12°04'30"N 12°04'37"N 78° 56' 41"E 78° 56' 48"E**	102103 cbm
15	Black Granite	Thiru.N.Visw anathan	Eraiyur Village, Vanur Taluk, Villupuram District.	G.O.(3D) No.30 / Industries (MMB.2) Department, Dt:29.10.2015.	**1.07.5**	Rayandapuram-Thandarampattu **12°05'20"N 12°05'23"N 78°56'20"E 78°56'30"E**	107100 Cbm
16	Black Granite	Tvl.Lakshmi Sai Granites,	No.4/491-C, Adhiyaman Nagar, Krishnagiri.	G.O.(3D) No.14/ Industries (MMB.2) Dpt, dt:25.01.2016.	**3.10.0**	Agarampallipattu-Thandaram-pattu **12°05'27.03"N 12°05'37.63"N 78°57'55.03"E 78°58'01.41"E**	60000 cbm

17	Black Granite	Tvl.A.Gunasekaran.	Balajinagar Chennai	G.O.(M.S.) 3D No. 11 /Ind (MME-1) Dept. date:,05.3.2008.	**1.22.0**	Athipakkam Vandavasi **12°27'37.41"N 12° 27'42.18"N 79°35'53.49"E 79°35'57.22"E**	60000 cbm
18	Black Granite	Tvl.Regal Granites and Stone	Works, No.34/66, Gomer Road, Ambur, Vellore District.	G.O.No.27/ Ind/dept dt:02.05.2005.	**2.47.5**	Palamara-thur Chengam **12° 37' 05"N 78° 28' 00"E**	431188 cbm
19	Black Granite	R.Radhakrishnan	154Mettu street, Karasanur Vilaige, Villupuram	G.O. (3D) No. 61 /Ind (MMB-1) Dept. Dated: 03.12.2010.	**1.41.0**	Vazhuthangulam Tiruvannam **12° 20' 00"N 79° 13' 00"E**	44800 cbm
20	Black Granite	R.K.Ramesh	Virukampakkam Chennai	G.O. M.S. (3D) No. 12/Ind (MME-1) Dept. Dated: 06.03.2008.	**1.27.0**	Karnam-poondi Tiruvannamalai **12°15'53"N 12°15'58"N 79°11'00"E 79°11'06"E**	60300 cbm
21	Black Granite	Tvl.Zohra Imbex	B2, T5, Rohini Garden Enclave, Pattabiraman Street, Thennur, Trichy-17	G.O.50/Ind/ MME-1/dept. dt:11.7.2005	**1.00.0**	Eraiyur Chengam **12°17'30"N 78°46' 00"E**	84350 cbm
22	Black Granite	Tvl.Balaji Granites,	Naripalli Village, Harur Taluk, Dharmapuri District.	G.O.No.107/Ind Dept, Dt: 24.11.2004.	**1.07.5**	Mothakkal Thandarampattu **12°05'25"N 78°43'40"E**	86508 cbm
23	Black Granite	Tvl.Madhucon GranitesLtd,	Khammam	G.O.3DNo.72/ Ind/ (MME-1) dept. dt.01.11.2006	**2.73.9**	Appunaicken-alayam Thandarampatu **12° 06'35"N 78°53'02"E**	235000 cbm

24	Black Granite	Tvl. Mir Nazim Ali,	Jagadevi, Krishnagiri	G.O.3(D) No.50/Ind/ MME-1/dept. dt.22.7.2008	**2.26.0**	Thenkarumpalur & Vana-puram Thandarampattu **12° 08' 00"N 78° 58' 00"E**	65700 cbm
25	Black Granite	Tvl.Oriental Minerals stone,	Sri Ram Nagar, Trichy road, Nammakkal	G.O.3(D) No211/Ind/ MMB-2/Dept. dt:31.5.1994 &	**1.10.0**	Malamn-janur Thandarampattu **12°06'35"N 78°52'30"E**	198000 cbm
26	Black Granite	Tvl.K.Vijayku mar,	No.3, Palace Nagar, Pudukotai & District.	G.O. (3D). No.94/ Ind Dept. Dt: 4.12.2006	**1.07.5**	Seiyalam Vandavasi **12°26'45"N 79°43'30"E**	48000 cbm

15) QUALITY/ GRADE OF MINERAL AVAILABLE IN THE DISTRICT

Granite:

Characteristics	Physical properties
Moisture Content %	0.15
Dry Density	2.60 to 2.68
Apparent Resistivity	2.75
Water absorption	0.50
Porosity	1 to 2
Hardness	6 to 7

16. USE OF MINERAL

BLACK GRANITE & MULTI COLOUR GRANITE

Granite is the most sought-after among all building stones. In ancient times, granite pillars and beams were a preferred material to support the huge structures of temples and palaces and for making protective walls around them. With the invention of modern tools of greater hardness and polishing ability, the use of granite has rather increased on account of its aesthetic value. The modern motorised tools of tungsten carbide and brazed diamond have enabled the user to cut & polish granite as per the specifications of the Building Sector. Presently, cut and polished granite slabs of 20 mm thickness are preferred for flooring, while tiles of 10 or 12 mm thickness are used for cladding. In addition, gravestones and monuments of various shapes and sizes are also in vogue. The flexibility of the cutting tools has engendered creation of many artifacts of granite for decorative purposes. Granite also finds its application in making garden furniture, such as, benches, fountains and many other articles which are used for landscaping and/or decorative purposes. The cut-to-size small blocks are used as cobblestone, kerbstone, and road sidings and for many other innovative purposes. Crude granites are utilised for structural purpose after little dressing & sizing, whereas processed granites are used mostly in the construction of buildings and monuments and for interiors and exterior facing. Granites, because of its superior wear resistance and non-denting quality are used as parts in various meteorological and engineering instruments, such as, surface plates, straight edges, parallels, cubes, V' blocks and work-mounting tables of co-ordinate

measuring machines. The surface plates are used as flat datum surface whenever precise measurements of dimensions and geometrical relationships are to be carried out. For this purpose, harder variety of granite is required so that it can bear the high-degree of grinding, polishing and calibration for achieving flat surface. For its use as surface plates, granites should have properties such as, close grain size, homogeneity, high density and hardness, uniformcolour, low moisture absorption and should be freefrom flaws.

17.DEMAND AND SUPPLY OF THE MINERAL IN THE LAST THREE YEARS :-

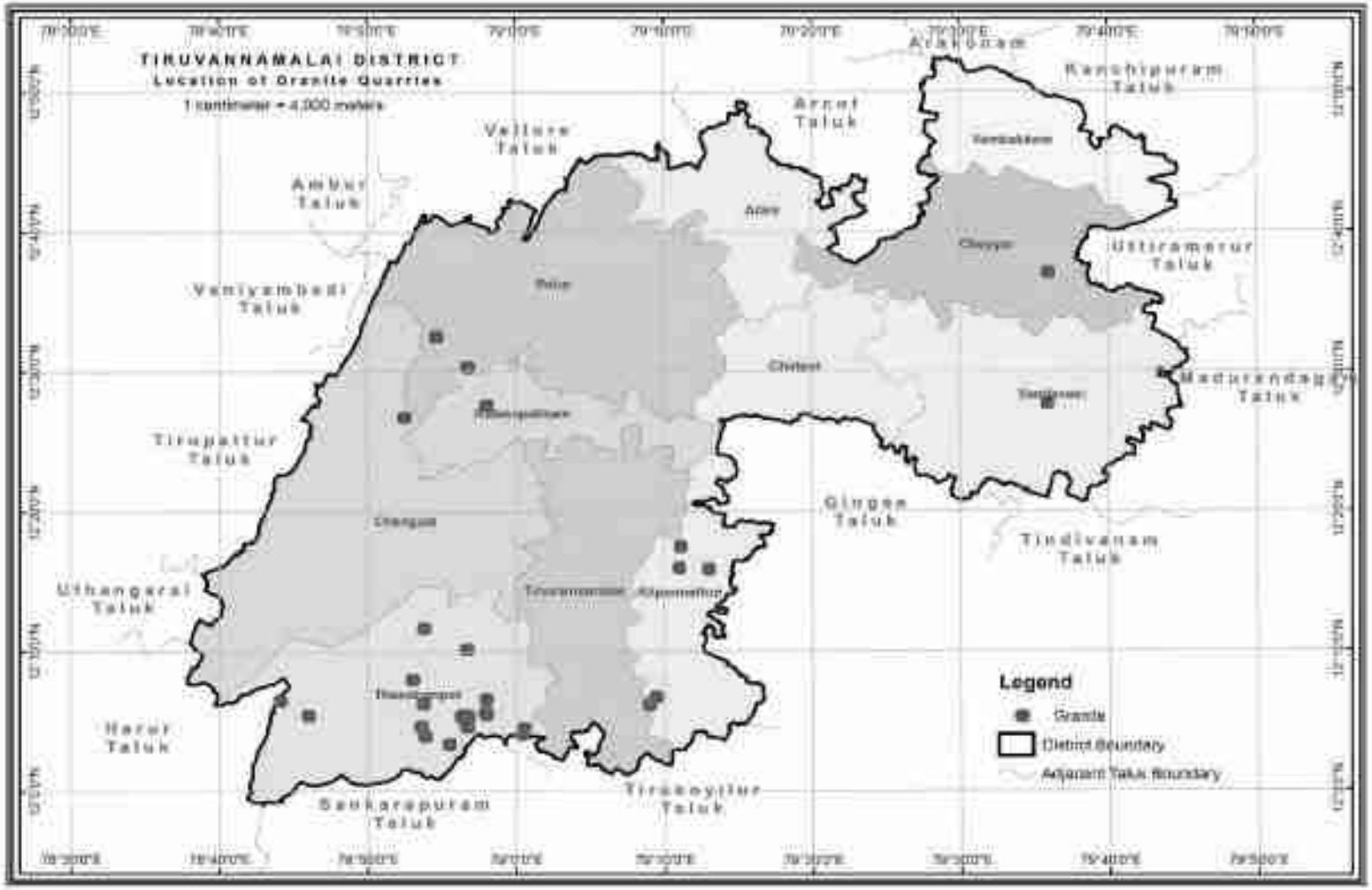
Granite –

India possesses one of the best granite deposits in the world having excellent varieties comprising over 200 shades. India accounts for over 20% of the world resources in granite. The Dimension stone market is said to grow at a fervent pace as the demand for granite, marble, sandstone and other dimension stones and stone products is on the rise and are anticipated to grow at around 15% CAGR. A similar rate of growth in exports can also be achieved with the help of suitable policy framework, infrastructure and other facilities which the Industry expects to consolidate for augmentation of prospects. The Working Group for 12th Plan has recommended that well-planned, concerted and dedicated efforts are essentially needed for promotion of Indian stones to galvanise their export prospects.

Sl.No	Year	Production of Granite	Revenue realized
1.	2016-2017	4014.092	15242043
2.	2017-2018	4315.219	16996937
3.	2018-2019	4165.357	14872518

18. MINING LEASES MARKED ON THE MAP OF THE DISTRICT

Figure 18.1 Granite quarry Leases marked in the District Map



19. DETAILS OF THE AREA OF WHERE THERE IS A CLUSTER OF MINING VIZ., NUMBER OF MINING LEASES, LOCATION (LATITUDE AND LONGITUDE):-

S. No	Name of the Mineral	No. of Mining Lease	Taluk	village	Location of the Mining lease (Latitude & Longitude)
1	Black Granite	2	Thadnaram-pattu	Agarampallipattu	1. 12°05'27"N 12° 05'30"N 78°57'59"E 78°58'03"E
					2. 12°05'27.03"N 12°05'37.63"N 78°57'55.03"E 78°58'01.41"E
2		2	Thadnaram-pattu	Thadnaram-pattu	1. 12° 10' 08"N 12° 10' 23"N 78° 56' 23"E 78° 56' 38"E
					2. 12°20'15"N - 78°55'30"E

20 .DETAILS OF ECO – SENSITIVE AREA, IF ANY, IN THE DISTRICT.

- There are No Wild Life Sanctuaries and National Park as per The Indian Wildlife (Protection) Act, 1972.
- There is no Western Ghats region near the district
- There is No Interstate Boundary crossing in the Tiruvannamalai District.
- There is No Coastal Regulation Zone (CRZ) within the district.

21.IMPACT ON THE ENVIRONMENT (AIR, WATER, NOISE, SOIL FLORA & FAUNA, LAND USE, AGRICULTURE, FOREST ETC.,) DUE TO MINING ACTIVITY

Generally, the Environmental impacts can be categorized as either primary or secondary. Primary impacts are those, which are attributed directly by the project, secondary impacts are those, which are indirectly induced and typically include the associated investment and changed pattern of social and economic activities by the proposed action.

The impact has been ascertained for the project assuming that the pollution due to mining activity has been completely spelled out under the baseline environmental status for the entire ROM which is proposed to exploit from the mines.

Air

Mining Operations are carried out by opencast semi mechanized/ Mechanized method, dust particles are generated due to various activities like, Excavation, Loading, handling of mineral and transportation. The air quality in the mining area depends upon the nature and concentration of emissions and meteorological conditions.

The major air pollutants due to mining activity includes:-

- Particulate Matter (Dust) of various sizes.
- Gases, such as, Sulphur Dioxide, Oxides of Nitrogen, Carbon Monoxide etc., from vehicular exhaust.
- Dust is the single Air pollutant observed in the open cast mines. Diesel operating drilling machines, small amount of blasting and movement of machinery/ vehicles produce NO_x,$SO_2$and CO emissions, usually at low levels. Dust can be of significant nuisance surrounding land users and potential health risk in some circumstances.

Water

Impact

The mining operation leads to intersect the water table cause ground water depletion.

Due to the interruption surface water sources like River, Nallah, Odai etc., surface water system, Drainage pattern of the area is altered.

Noise

Noise pollution is mainly due to operation of Machineries and occasional plying of machineries. These activities will create Noise pollution in the surrounding area.

Land Environment

The topography of the area will change, due to the Topographical changes the entire Eco system will be altered.

Flora and Fauna

The impact on biodiversity is difficult to quantify because of its diverse and dynamic characteristics.

Mining activities generally result in the deforestation, land degradation, water, air and noise pollution which directly or indirectly affect the faunal and floral status of the project area.

However, occurrence and magnitude of these impacts are entirely dependent upon the project location, mode of operation and technology involved.

22. REMEDIAL MEASURE TO MITIGATE THE IMPACT OF MINING ON THE ENVIRONMENT

Air

Mitigated measures suggested for air pollution controls are based on the baseline ambient air quality of the area

The following measures are proposed to adopted in the mines such as,

- Dust generation shall be reduced by using sharp teeth of shovels.
- Wet drilling shall be carried out to contain the dust.
- Controlled blasting techniques shall be adopted.
- Water spraying on haul roads, service roads and overburden dumps will help in reducing considerable dust pollution.
- Proper and regular maintenance of mining equipment's have to be considered.
- Transport of material in trucks covered with tarpaulin.
- The mine pit water can be utilized for dust suppression in and around mine areas.
- Information on wind direction and meteorology will be considered while planning, so that pollutants, which cannot be fully suppressed by engineering technique, will be prevented from reaching the nearby agriculture area.
- Comprehensive green belt around overburden dumps has to be carried out to reduce to fugitive dust emissions in order to create clean and healthy environment.

Water

- Construction of garland drains to divert surface run-off into the mining area.
- Construction of check dams / gully plugs at strategic places to arrest silt wash off from broken up area.
- Retaining walls with weep hole will be constructed around the mine boundaries to arrest silt wash off.

- The mined out pits shall be converted into the water reservoir at the end of mine life. This will help in recharging ground water table by acting as a water harvesting structure.
- Periodic analysis of mine pit water and ground water quality in nearby villages.
- Domestic sewage from site office & urinals/latrines provided in ML is discharged in septic tank followed by soak pits.

Noise

Mitigation measures

- Periodic maintenance of machinery, equipment's shall be ensured to keep the noise generated at minimum.
- Development of thick green belt around mining area and haul roads to reduce the noise.
- Provision of earplugs to workers exposed to high noise generating activities. Workers and operators at work site will be provided with earmuffs.
- Conducting periodical medical check up of all workers for any noise related health problems.
- Proper training to personnel to create awareness about adverse noise level effects.
- Periodic noise monitoring at suitable locations in the mining area and nearby habitations to assess efficacy of adopted control measures.
- During the blasting, optimum Spacing, Burden and charging of holes will be made under the supervision of competent qualified mines foreman, Mate as approved by Director of Mines safety.

Biological Environment

MITIGATION MEASURES:

- Development of gap filling saplings in the safety barrier left around the quarry area.
- Carrying out thick greenbelt with local flora species predominantly with long canopy leaves on the inactive mined out upper benches.
- Development of dense poly-culture plantation using local flora species in the mining area at conceptual stage.
- Adoption of suitable air pollution control measures as suggested above.
- Transport of materials in trucks covered with tarpaulin.
- Construction of garland drains and settling tank to arrest silt wash off from lease area.

- Construction of retention walls around lower boundary of mining area to arrest silt wash off and roll down boulders.
- Retaining walls with weep hole will be constructed around the mine boundariesto arrest silt wash off.

23. Reclamation of Mined out area (Best practice already implemented in the district, requirement as per rules and regulation, proposed reclamation plan):-

Under Rule 23A, Mine Closure Plan: Every mine shall have Mine Closure Plan, which shall be of two types:-

(i) Progressive mine closure plan; and

(ii) Final mine closure plan.

Conceptual Final Landform-

The broad rehabilitation objective for the post-quarry landform is to establish a similar land use on the disturbed areas, with the exception of the final void. The topography of the final landform will consist of a large number of stepped benches formed in an amphitheatre configuration, each with a re-vegetated bench as shown in Figure-1.

Figure 2 shows plan and sectional views of the final landform. The void will be some approximately 1.88.8 Ha in area. Until such time that extraction has ceased, rehabilitation will occur around the perimeter of the pit only along the benches, and will not involve the pit floor. The primary purpose of rehabilitation during the operational phase is to mitigate any visual impacts.

Figure 23.0: Example of Bench Rehabilitation

Once operations have ceased, all buildings and infrastructure will be removed. These areas will be reshaped and ripped where necessary for top-soiling and re-vegetation.

The top benches will be vegetated with appropriate native species. The lower benches will be formed as a shallow depression of retention pond/ rain water harvesting structure.

Rehabilitation and Re-vegetation –

Rehabilitation of the site will be undertaken once extraction is complete. As the extraction progresses through the resource, 5 m wide benches will be left every 5 m of depth to provide a horizontal platform on which native flora species will be established.

The plantation in the mine lease area also includes gap filling plantation on the safety barrier zone left around the mine lease area. Gap filling plantation has been carried out in the safety barrier zone left around the mine lease area from the beginning of the mining operations.

Additional plantation will be carried out in the inactive mining area. Grass and bushes will be planted in areas prone to erosion. Other areas will be spread with organic manures and planted with local species.

The characteristics of this vegetation will resemble that of the natural environment except for the early growth, which may be a protective cover crop of non-seeding annuals. Before re-vegetation, the land will be properly prepared by spreading the top soil, which is rich in organic contents along with mulches and organic manure. Vegetation will be self-sufficient after planting and require no fertilizers or maintenance.

The re-vegetation program will re-establish native tree / shrub / ground cover and will stabilize reshaped and benched areas. Benches will be deep ripped to actively promote infiltration of water which will enhance soil moisture requirements for direct tree seeding and minimize surface runoff to underlying benches. Re-vegetation will also visually screen disturbed areas and will re-establish habitat for native fauna.

24. RISK ASSESSMENT & DISASTER MANAGEMENT PLAN:-

The Disaster Management Plan (DMP) is supposed to be a dynamic, changing, document focusing on continual improvement of emergency response planning and arrangements.

The disaster management plan is aimed to ensure safety of life, protection of environment, protection of installation, restoration of production and salvage operations in this same order of priorities. For effective implementation of the disaster management plan, it should be widely circulated and personnel training through rehearsals/induction conducted by the respective department from time to time.

General Responsibilities of Employees during an Emergency:

During an emergency, it becomes more enhanced and pronounced when an emergency warning is raised, the workers in-charge, should adopt safe and emergency shut down and attend any prescribed duty as essential employee. If no such responsibility is assigned, he should adopt a safe course to assembly point and await instructions. He should not resort to spread panic. On the other hand, he must assist emergency personnel towards objectives of DMP.

Co-ordination with Local Authorities:

The mine manager who is responsible for emergency will always keep a jeep ready at site. In case any eventualities the victim will be taken to the nearby hospitals after carrying out the first aid at site. A certified first aid certificate holder will be responsible to carryout the first aid at site. The mine manager should collect and have adequate information of the nearby hospitals, fire station, police station, village panchayat heads, taxy stands, medical shop, district revenue authorities etc., and use them efficiently during the case of emergency.

25. Details of the Occupation Health issues in the District. (Last five-year date of number of patients of Silicosis & Tuberculosis is also needs to be submitted):-

As per the guidelines of the Mine Rules 1955, occupational health safety stipulated by the ILO/WHO. The proponent's will take all necessary precautions. Normal sanitary facilities should be provided within the lease area. The management will carry out periodic health check up of workers.

Occupational hazards involved in mines are related to dust pollution, Noise pollution, blasting and injuries from moving machineries & equipment and fall from high places. DGMS has given necessary guidelines for safety against these occupational hazards. The management will strictly follow these guidelines.

All necessary first aid and medical facilities will be provided to the workers. The mine shall be well equipped with Personal Protective Equipment (PPE). Further all the necessary protective equipment's such as helmets, safety goggles, earplugs, earmuffs, etc. will be provided to persons working in mines as per Mines Rules. All operators and mechanics will be trained to handle fire-fighting equipment's.

26. PLANTATION OF GREEN BELT DEVELOPMENT IN RESPECT OF LEASES ALREADY GRANTED IN THE DISTRICT:-

Green Belt Development

- A well planned Green Belt with multi rows (Three tier) preferably with long canopy leaves shall be developed with dense plantations around the boundary and haul rods to prevent air, dust noise propagation to undesired places. Efforts will be taken for the enhancement of survival rate since the soil is alkaline in nature.

Species Recommended for Plantation

Following points have been considered while recommending the species for plantation:

- Natural growth of existing species and survival rate of various species.
- Suitability of a particular plant species for a particular type of area.
- Creating of bio-diversity.
- Fast growing, thick canopy cover, perennial and evergreen large leaf area.
- Efficient in absorbing pollutants without major effects on natural growth.
- The following species may be considered primarily for plantation best suited for the prevailing climatic condition in the area.

RECOMMENDED SPECIES TO PLANT IN THE GREENBELT

S.No	Name of the plant (Botanical)	Family Name	Common Name	Habit
1.	Azadirachta indica	*Meliaceae*	Neem, Vembu	Tree
2.	Albizia falcatoria	*Fabaceae*	Tamarind, Puliyamaram	Tree
3.	Polyalthia longifolia	*Annonaceae*	Kattumaram	Tree
4.	Borassus flabellifer	*Arecaceae*	Palmyra Palm	Tree

27. ANY OTHER INFORMATION:-

The Granite deposits found in Thiruvannamalai District are mostly Black Granite i.e Doleriti rock. Because of its fine grained texture, and its dark black colour, it is valuable and export worthy and the demand in the market is very high.

The well developed Environmental management plan and remedial measures is proposed to carryout in all mining areas in the District.

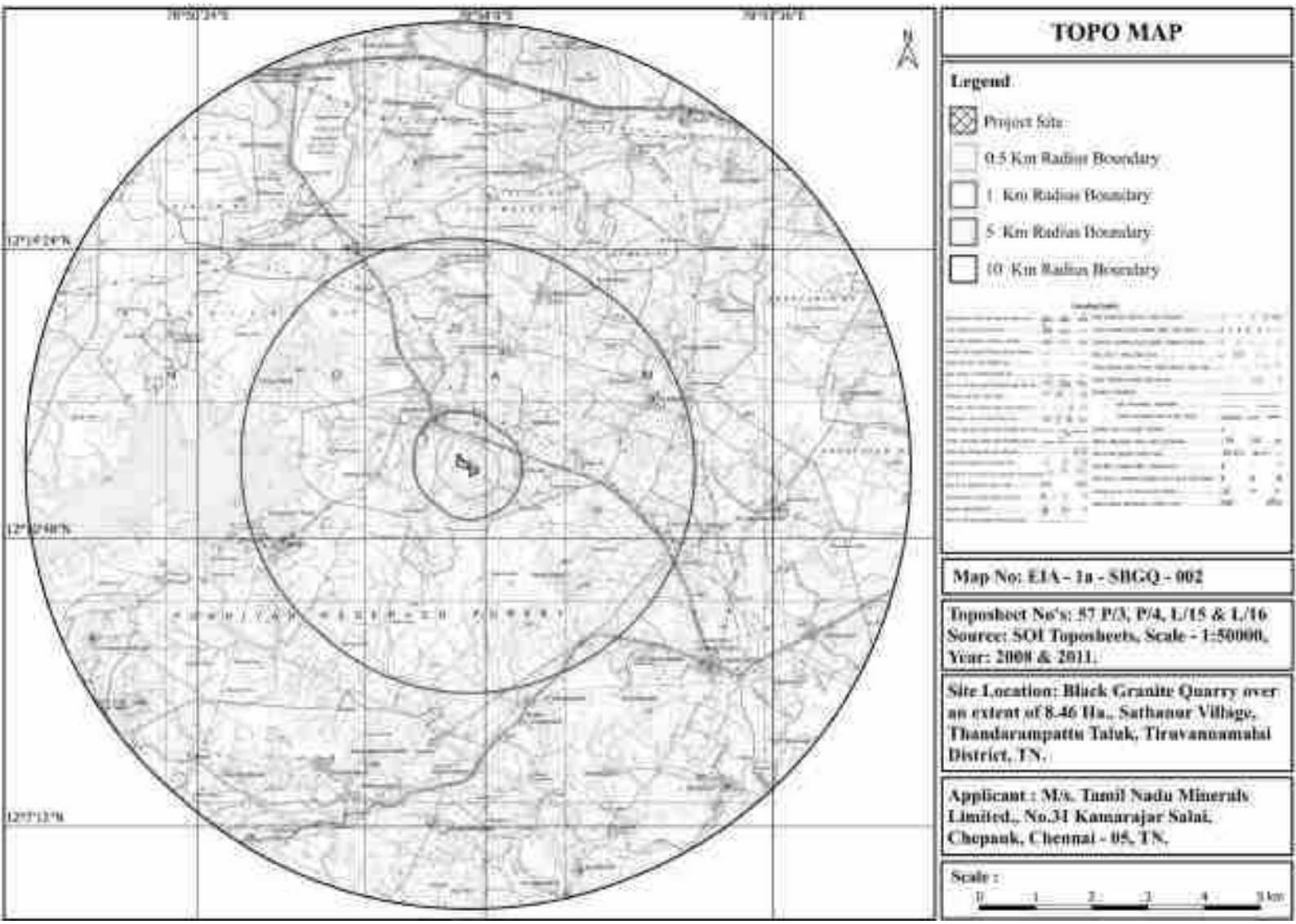
CER/CSR activities shall be carried out by providing social and welfare measures to the local community of the nearby villages. The main activities would be like drinking water facilities for the government schools children, public toilets to the local community and government schools, conducting free medical camps, providing solar lights to the villages besides encouraging the local cultural activities of the area.

This District Survey Report has been prepared in a short span of time by doing rapid field work. The details related to the occurrence of mineral resources and other data of the district are subject to updation from time to time. Before grant of any quarry lease, the parameters related to geosciences and sustainable developments are to be considered on the basis of ground reality.

COLLECTOR
Tiruvannamalai District.
Tiruvannamalai.

Assistant Director
Dept. of Geology & Mining
Thiruvannamalai District.

Annexure 7


TOPO MAP
Legend
Project Site
0.5 Km Radius Boundary
1 Km Radius Boundary
5 Km Radius Boundary
10 Km Radius Boundary
Map No: EIA – 1a - SBGQ - 002
Toposheet No's: 57 P/3, P/4, L/15 & L/16
Source: SOI Toposheets, Scale - 1:50000,
Year: 2008 & 2011.
Site Location: Black Granite Quarry over an extent of 8.46 Ha., Sathanur Village, Thandarampattu Taluk, Tiruvannamalai District, TN.
Applicant : M/s. Tamil Nadu Minerals Limited., No.31 Kamarajar Salai, Chepauk, Chennai - 05, TN.
Scale :
0 1 2 3 4 5 km

Sathanur Black Granite Quarry									
PM 10									
S. No.	**Date**	**AAQ1**	**AAQ2**	**AAQ3**	**AAQ4**	**AAQ5**	**AAQ6**	**AAQ7**	**AAQ8**
	Location Name	**Near Project Site (C/W)**	**Sorappanandal (C/W)**	**Kil Karippur (C/W)**	**Near Taradappattu (C/W)**	**Tandrampattu (C/W)**	**Mottur Olagappadi (D/W)**	**Near Mallikapuram (D/W)**	**Sattannur (U/W)**
1	18.12.2023	47.7	51.5	44.7	52.6	58.1	53.9	52.2	47.9
2	22.12.2023	36.2	39.1	34.0	40.0	44.1	40.9	39.6	36.4
3	25.12.2023	48.0	51.9	45.0	53.0	58.5	54.3	52.6	48.2
4	29.12.2023	37.4	40.4	35.1	41.3	45.6	42.3	40.9	37.6
5	01.01.2024	38.4	41.5	36.1	42.5	46.8	43.5	42.1	38.6
6	05.01.2024	36.6	39.6	34.4	40.5	44.6	41.4	40.1	36.8
7	08.01.2024	48.9	52.9	45.9	54.0	59.6	55.3	53.6	49.2
8	12.01.2024	36.5	39.5	34.3	40.4	44.5	41.3	40.0	36.7
9	15.01.2024	37.5	40.5	35.2	41.4	45.7	42.4	41.0	37.6
10	19.01.2024	38.7	41.9	36.3	42.8	47.2	43.8	42.4	38.9
11	22.01.2024	36.9	39.9	34.6	40.8	45.0	41.7	40.4	37.1
12	26.01.2024	49.3	53.2	46.2	54.4	60.0	55.7	53.9	49.5
13	02.02.2024	37.9	41.0	35.6	41.9	46.2	42.9	41.5	38.1
14	05.02.2024	47.8	51.6	44.8	52.8	58.2	54.0	52.3	48.0
15	09.02.2024	37.9	41.0	35.6	41.9	46.2	42.8	41.5	38.1
16	12.02.2024	35.2	38.0	33.0	38.8	42.8	39.7	38.5	35.3
17	16.02.2024	49.0	53.0	46.0	54.2	59.8	55.5	53.7	49.3
18	19.02.2024	50.1	54.1	47.0	55.3	61.0	56.6	54.9	50.3
19	23.02.2024	42.2	45.6	39.6	46.6	51.4	47.7	46.2	42.4
20	26.02.2024	48.6	52.5	45.6	53.7	59.2	54.9	53.2	48.8
21	04.03.2024	37.0	40.0	34.8	40.9	45.1	41.9	40.6	37.2
22	08.03.2024	48.2	52.1	45.2	53.2	58.7	54.5	52.8	48.4
23	11.03.2024	36.2	39.1	34.0	40.0	44.1	40.9	39.6	36.4

24	15.03.2024	49.5	53.5	46.4	54.6	60.3	55.9	54.2	49.7
	N	24	24	24	24	24	24	24	24
	Min	35.2	38.0	33.0	38.8	42.8	39.7	38.5	35.3
	Max	50.1	54.1	47.0	55.3	61.0	56.6	54.9	50.3
	Mean	**42.2**	**45.6**	**39.6**	**46.6**	**51.4**	**47.7**	**46.2**	**42.4**
	Median	38.6	41.70075	36.2	42.6	47.0	43.6	42.3	38.8
	SD	5.81	6.28	5.45	6.41	7.08	6.57	6.36	5.83
	C V %	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
	98 Percentile	49.8	53.8	46.7	55.0	60.7	56.3	54.5	50.0
	NAAQS	100	100	100	100	100	100	100	100

Sathanur Black Granite Quarry									
PM 2.5									
S. No.	**Date**	**AAQ1**	**AAQ2**	**AAQ3**	**AAQ4**	**AAQ5**	**AAQ6**	**AAQ7**	**AAQ8**
	Location Name	**Near Project Site (C/W)**	**Sorappanandal (C/W)**	**Kil Karippur (C/W)**	**Near Taradappattu (C/W)**	**Tandrampattu (C/W)**	**Mottur Olagappadi (D/W)**	**Near Mallikapuram (D/W)**	**Sattannur (U/W)**
1	18.12.2023	26.2	28.3	24.6	29.0	31.9	29.6	28.7	26.3
2	22.12.2023	19.9	21.5	18.7	22.0	24.3	22.5	21.8	20.0
3	25.12.2023	26.4	28.5	24.8	29.2	32.2	29.8	28.9	26.5
4	29.12.2023	20.6	22.2	19.3	22.7	25.1	23.2	22.5	20.7
5	01.01.2024	21.1	22.8	19.8	23.3	25.8	23.9	23.1	21.2
6	05.01.2024	20.1	21.8	18.9	22.3	24.5	22.8	22.1	20.2
7	08.01.2024	26.9	29.1	25.2	29.7	32.8	30.4	29.5	27.0
8	12.01.2024	20.1	21.7	18.9	22.2	24.5	22.7	22.0	20.2
9	15.01.2024	20.6	22.3	19.3	22.8	25.1	23.3	22.6	20.7
10	19.01.2024	21.3	23.0	20.0	23.5	26.0	24.1	23.3	21.4

11	22.01.2024	20.3	21.9	19.1	22.4	24.7	23.0	22.2	20.4
12	26.01.2024	27.1	29.3	25.4	29.9	33.0	30.6	29.7	27.2
13	02.02.2024	20.9	22.6	19.6	23.1	25.4	23.6	22.9	21.0
14	05.02.2024	26.3	28.4	24.6	29.0	32.0	29.7	28.8	26.4
15	09.02.2024	20.8	22.5	19.6	23.0	25.4	23.6	22.8	20.9
16	12.02.2024	19.3	20.9	18.1	21.4	23.6	21.9	21.2	19.4
17	16.02.2024	27.0	29.2	25.3	29.8	32.9	30.5	29.5	27.1
18	19.02.2024	27.6	29.8	25.9	30.4	33.6	31.2	30.2	27.7
19	23.02.2024	23.3	25.2	21.9	25.7	28.4	26.3	25.5	23.4
20	26.02.2024	26.7	28.9	25.1	29.5	32.6	30.2	29.3	26.8
21	04.03.2024	20.4	22.0	19.1	22.5	24.8	23.0	22.3	20.5
22	08.03.2024	26.5	28.7	24.9	29.3	32.3	30.0	29.0	26.6
23	11.03.2024	19.9	21.5	18.7	22.0	24.3	22.5	21.8	20.0
24	15.03.2024	27.2	29.4	25.5	30.1	33.2	30.8	29.8	27.3
	N	24	24	24	24	24	24	24	24
	Min	19.3	20.9	18.1	21.4	23.6	21.9	21.2	19.4
	Max	27.6	29.8	25.9	30.4	33.6	31.2	30.2	27.7
	Mean	**23.2**	**25.1**	**21.8**	**25.6**	**28.3**	**26.2**	**25.4**	**23.3**
	Median	21.2	22.9	19.9	23.4	25.9	24.0	23.2	21.3
	SD	3.194	3.452	2.997	3.528	3.892	3.611	3.497	3.209
	C V %	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
	98 Percentile	27.4	29.6	25.7	30.3	33.4	31.0	30.0	27.5
	NAAQS	60	60	60	60	60	60	60	60

Sathanur Black Granite Quarry									
SO_2									
S. No.	Date	AAQ1	AAQ2	AAQ3	AAQ4	AAQ5	AAQ6	AAQ7	AAQ8
	Location Name	Near Project Site (C/W)	Sorappanandal (C/W)	Kil Karippur (C/W)	Near Taradappattu (C/W)	Tandrampattu (C/W)	Mottur Olagappadi (D/W)	Near Mallikapuram (D/W)	Sattannur (U/W)
1	18.12.2023	8.9	7.8	7.6	8.8	10.4	9.6	9.2	8.6
2	22.12.2023	6.8	5.9	5.8	6.7	7.9	7.3	7.0	6.5
3	25.12.2023	9.0	7.9	7.6	8.9	10.5	9.7	9.2	8.7
4	29.12.2023	7.0	6.1	5.9	6.9	8.2	7.5	7.2	6.7
5	01.01.2024	7.2	6.3	6.1	7.1	8.4	7.8	7.4	6.9
6	05.01.2024	6.9	6.0	5.8	6.8	8.0	7.4	7.0	6.6
7	08.01.2024	9.2	8.0	7.8	9.1	10.7	9.9	9.4	8.8
8	12.01.2024	6.9	6.0	5.8	6.8	8.0	7.4	7.0	6.6
9	15.01.2024	7.0	6.1	6.0	6.9	8.2	7.6	7.2	6.8
10	19.01.2024	7.3	6.3	6.2	7.2	8.5	7.8	7.5	7.0
11	22.01.2024	6.9	6.1	5.9	6.8	8.1	7.5	7.1	6.7
12	26.01.2024	9.2	8.1	7.8	9.1	10.8	9.9	9.5	8.9
13	02.02.2024	7.1	6.2	6.0	7.0	8.3	7.7	7.3	6.8
14	05.02.2024	9.0	7.8	7.6	8.8	10.4	9.6	9.2	8.6
15	09.02.2024	7.1	6.2	6.0	7.0	8.3	7.7	7.3	6.8
16	12.02.2024	6.6	5.8	5.6	6.5	7.7	7.1	6.8	6.3
17	16.02.2024	9.2	8.0	7.8	9.1	10.7	9.9	9.4	8.9
18	19.02.2024	9.4	8.2	8.0	9.3	10.9	10.1	9.6	9.0
19	23.02.2024	8.0	7.0	6.8	7.9	9.3	8.6	8.2	7.7
20	26.02.2024	9.1	8.0	7.7	9.0	10.6	9.8	9.3	8.8
21	04.03.2024	7.0	6.1	5.9	6.9	8.1	7.5	7.1	6.7
22	08.03.2024	9.0	7.9	7.7	8.9	10.5	9.7	9.3	8.7

23	11.03.2024	6.8	5.9	5.8	6.7	7.9	7.3	7.0	6.5
24	15.03.2024	9.3	8.1	7.9	9.2	10.8	10.0	9.5	8.9
	N	24	24	24	24	24	24	24	24
	Min	6.6	5.8	5.6	6.5	7.7	7.1	6.8	6.3
	Max	9.4	8.2	8.0	9.3	10.9	10.1	9.6	9.0
	Mean	**7.9**	**6.9**	**6.7**	**7.8**	**9.2**	**8.5**	**8.1**	**7.6**
	Median	7.2	6.32385	6.1	7.1	8.4	7.8	7.4	7.0
	SD	1.089914172	0.95203825	0.924464868	1.076125997	1.269169275	1.172645426	1.117490852	1.04855
	C V %	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
	98 Percentile	9.3	8.2	7.9	9.2	10.9	10.1	9.6	9.0
	NAAQS	80	80	80	80	80	80	80	80

Sathanur Black Granite Quarry									
NO_2									
S. No.	**Date**	**AAQ1**	**AAQ2**	**AAQ3**	**AAQ4**	**AAQ5**	**AAQ6**	**AAQ7**	**AAQ8**
	Location Name	**Near Project Site (C/W)**	**Sorappanandal (C/W)**	**Kil Karippur (C/W)**	**Near Taradappattu (C/W)**	**Tandrampattu (C/W)**	**Mottur Olagappadi (D/W)**	**Near Mallikapuram (D/W)**	**Sattannur (U/W)**
1	18.12.2023	19.4	20.0	18.2	20.7	22.5	22.5	24.0	20.5
2	22.12.2023	14.7	15.2	13.8	15.7	17.1	17.1	18.2	15.6
3	25.12.2023	19.5	20.2	18.4	20.9	22.7	22.7	24.2	20.6
4	29.12.2023	15.2	15.7	14.3	16.3	17.7	17.7	18.8	16.1
5	01.01.2024	15.6	16.2	14.7	16.7	18.2	18.2	19.4	16.5
6	05.01.2024	14.9	15.4	14.0	15.9	17.3	17.3	18.4	15.7
7	08.01.2024	19.9	20.6	18.7	21.3	23.1	23.1	24.6	21.0
8	12.01.2024	14.8	15.4	14.0	15.9	17.3	17.3	18.4	15.7
9	15.01.2024	15.2	15.8	14.3	16.3	17.7	17.7	18.9	16.1

10	19.01.2024	15.7	16.3	14.8	16.8	18.3	18.3	19.5	16.7
11	22.01.2024	15.0	15.5	14.1	16.0	17.5	17.5	18.6	15.9
12	26.01.2024	20.0	20.7	18.8	21.4	23.3	23.3	24.8	21.2
13	02.02.2024	15.4	16.0	14.5	16.5	17.9	17.9	19.1	16.3
14	05.02.2024	19.4	20.1	18.3	20.8	22.6	22.6	24.1	20.5
15	09.02.2024	15.4	15.9	14.5	16.5	17.9	17.9	19.1	16.3
16	12.02.2024	14.3	14.8	13.4	15.3	16.6	16.6	17.7	15.1
17	16.02.2024	19.9	20.6	18.8	21.3	23.2	23.2	24.7	21.1
18	19.02.2024	20.3	21.1	19.2	21.8	23.7	23.7	25.2	21.5
19	23.02.2024	17.2	17.8	16.2	18.4	20.0	20.0	21.3	18.2
20	26.02.2024	19.7	20.4	18.6	21.1	23.0	23.0	24.5	20.9
21	04.03.2024	15.0	15.6	14.2	16.1	17.5	17.5	18.7	15.9
22	08.03.2024	19.6	20.3	18.4	21.0	22.8	22.8	24.3	20.7
23	11.03.2024	14.7	15.2	13.8	15.7	17.1	17.1	18.2	15.6
24	15.03.2024	20.1	20.8	18.9	21.5	23.4	23.4	24.9	21.3
	N	24	24	24	24	24	24	24	24
	Min	14.3	14.8	13.4	15.3	16.6	16.6	17.7	15.1
	Max	20.3	21.1	19.2	21.8	23.7	23.7	25.2	21.5
	Mean	**17.1**	**17.7**	**16.1**	**18.3**	**19.9**	**19.9**	**21.2**	**18.1**
	Median	15.7	16.2	14.8	16.8	18.2	18.2	19.4	16.6
	SD	2.359	2.441	2.221	2.524	2.745	2.745	2.924	2.497
	C V %	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
	98 Percentile	20.2	20.9	19.0	21.7	23.5	23.5	25.1	21.4
	NAAQS	80	80	80	80	80	80	80	80

Annexure 9

YEAR	DATE	MONTH	HOUR	TEMPERATURE FARENHEIT	RELATIVE HUMIDITY %	WIND DIRECTION	WIND SPEED m/hr	WIND SPEED m/s	1 HR PRECIPITATION P01I	VISIBILITY VSBY	SKY LEVEL COVERAGE SKYC1	SKY LEVEL COVERAGESKY C1 (VALUE)	SKY LEVEL ALTITUDE SKYL1	IRRADIANCE Wh/m2	SEA LEVEL PRESSURE mslp
2023	15	12	0	71.6	88.43	80	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2023	15	12	1	71.6	88.43	80	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2023	15	12	2	71.6	88.43	80	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2023	15	12	3	71.6	88.43	80	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2023	15	12	4	77	78.48	60	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2023	15	12	5	78.8	69.52	230	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2023	15	12	6	82.4	61.81	40	4.60	2.06	0	3.11	SCT	4	2000	0	999
2023	15	12	7	82.4	61.81	20	9.21	4.12	0	3.11	SCT	4	2000	143.54	998
2023	15	12	8	82.4	61.81	10	9.21	4.12	0	3.11	BKN	6	10000	369.59	997
2023	15	12	9	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	551.22	997
2023	15	12	10	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	689.45	997
2023	15	12	11	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	745.34	997
2023	15	12	12	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	741.41	997
2023	15	12	13	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	709.95	997
2023	15	12	14	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	628.89	997
2023	15	12	15	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	490.43	997
2023	15	12	16	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	316.61	997
2023	15	12	17	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	114.13	997
2023	15	12	18	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	0	997
2023	15	12	19	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	0	997
2023	15	12	20	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	0	997
2023	15	12	21	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	0	997
2023	15	12	22	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	0	997
2023	15	12	23	82.4	61.81	10	9.21	4.12	0	3.11	SCT	4	2000	0	997
2023	16	12	0	77	88.67	20	6.90	3.09	0	2.49	SCT	4	2000	0	999
2023	16	12	1	77	88.67	20	6.90	3.09	0	2.49	SCT	4	2000	0	999
2023	16	12	2	77	88.67	20	6.90	3.09	0	2.49	SCT	4	2000	0	999
2023	16	12	3	77	88.67	20	6.90	3.09	0	2.49	SCT	4	2000	0	999

2023	16	12	4	80.6	74.11	10	9.21	4.12	0	2.49	SCT	4	2000	0	999
2023	16	12	5	82.4	65.74	30	6.90	3.09	0	3.11	SCT	4	2000	0	999
2023	16	12	6	84.2	62.03	10	6.90	3.09	0	3.73	SCT	4	2000	0	998
2023	16	12	7	86	58.55	330	5.75	2.57	0	3.73	SCT	4	2000	143.54	997
2023	16	12	8	86	55.04	10	6.90	3.09	0	4.35	SCT	4	2000	369.59	996
2023	16	12	9	86	55.04	70	4.60	2.06	0	4.35	SCT	4	2000	551.22	995
2023	16	12	10	84.2	62.03	10	5.75	2.57	0	4.35	SCT	4	2000	689.45	995
2023	16	12	11	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	745.34	995
2023	16	12	12	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	741.41	995
2023	16	12	13	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	709.95	995
2023	16	12	14	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	628.89	995
2023	16	12	15	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	490.43	995
2023	16	12	16	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	316.61	995
2023	16	12	17	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	114.13	995
2023	16	12	18	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	0	995
2023	16	12	19	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	0	995
2023	16	12	20	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	0	995
2023	16	12	21	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	0	995
2023	16	12	22	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	0	995
2023	16	12	23	84.2	58.32	30	5.75	2.57	0	4.35	SCT	4	2000	0	995
2023	17	12	0	75.2	88.59	10	6.90	3.09	0	2.49	SCT	4	2000	0	998
2023	17	12	1	75.2	88.59	10	6.90	3.09	0	2.49	SCT	4	2000	0	998
2023	17	12	2	75.2	88.59	10	6.90	3.09	0	2.49	SCT	4	2000	0	998
2023	17	12	3	75.2	88.59	10	6.90	3.09	0	2.49	SCT	4	2000	0	998
2023	17	12	4	77	83.44	10	9.21	4.12	0	3.11	SCT	4	2000	0	998
2023	17	12	5	78.8	73.95	20	8.06	3.60	0	3.11	SCT	4	2000	0	998
2023	17	12	6	80.6	69.71	20	6.90	3.09	0	3.11	SCT	4	2000	0	998
2023	17	12	7	80.6	69.71	10	9.21	4.12	0	3.11	SCT	4	2000	143.54	997
2023	17	12	8	82.4	65.74	10	9.21	4.12	0	3.11	SCT	4	2000	369.59	995
2023	17	12	9	78.8	73.95	20	11.51	5.14	0	3.11	SCT	4	2000	551.22	995
2023	17	12	10	78.8	73.95	20	11.51	5.14	0	3.11	SCT	4	2000	689.45	994

2023	17	12	11	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	745.34	995
2023	17	12	12	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	741.41	995
2023	17	12	13	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	709.95	995
2023	17	12	14	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	628.89	995
2023	17	12	15	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	490.43	995
2023	17	12	16	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	316.61	995
2023	17	12	17	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	114.13	995
2023	17	12	18	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	0	995
2023	17	12	19	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	0	995
2023	17	12	20	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	0	995
2023	17	12	21	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	0	995
2023	17	12	22	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	0	995
2023	17	12	23	78.8	73.95	10	9.21	4.12	0	3.11	SCT	4	2000	0	995
2023	18	12	0	77	73.78	340	3.45	1.54	0	1.86	SCT	4	1500	0	999
2023	18	12	1	77	73.78	340	3.45	1.54	0	1.86	SCT	4	1500	0	999
2023	18	12	2	77	73.78	340	3.45	1.54	0	1.86	SCT	4	1500	0	999
2023	18	12	3	77	73.78	340	3.45	1.54	0	1.86	SCT	4	1500	0	999
2023	18	12	4	77	73.78	150	5.75	2.57	0	2.49	SCT	4	1500	0	1000
2023	18	12	5	78.8	69.52	150	2.30	1.03	0	3.11	SCT	4	1500	0	1000
2023	18	12	6	80.6	61.58	40	9.21	4.12	0	3.11	SCT	4	1500	0	999
2023	18	12	7	82.4	58.08	40	4.60	2.06	0	3.11	SCT	4	1500	143.54	998
2023	18	12	8	82.4	54.55	20	11.51	5.14	0	3.11	SCT	4	1500	369.59	997
2023	18	12	9	80.6	61.58	20	12.66	5.66	0	3.11	SCT	4	1500	551.22	996
2023	18	12	10	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	689.45	996
2023	18	12	11	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	745.34	996
2023	18	12	12	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	741.41	996
2023	18	12	13	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	709.95	996
2023	18	12	14	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	628.89	996
2023	18	12	15	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	490.43	996
2023	18	12	16	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	316.61	996
2023	18	12	17	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	114.13	996

2023	18	12	18	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	0	996
2023	18	12	19	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	0	996
2023	18	12	20	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	0	996
2023	18	12	21	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	0	996
2023	18	12	22	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	0	996
2023	18	12	23	80.6	61.58	40	11.51	5.14	0	3.11	SCT	4	1500	0	996
2023	19	12	0	75.2	73.61	10	6.90	3.09	0	2.49	FEW	1	1500	0	1000
2023	19	12	1	75.2	73.61	10	6.90	3.09	0	2.49	FEW	1	1500	0	1000
2023	19	12	2	75.2	73.61	10	6.90	3.09	0	2.49	FEW	1	1500	0	1000
2023	19	12	3	75.2	73.61	10	6.90	3.09	0	2.49	FEW	1	1500	0	1000
2023	19	12	4	77	69.33	10	12.66	5.66	0	3.11	FEW	1	1500	0	1001
2023	19	12	5	80.6	61.58	350	6.90	3.09	0	3.11	FEW	1	1500	0	1000
2023	19	12	6	82.4	54.55	30	4.60	2.06	0	3.11	FEW	1	1500	0	999
2023	19	12	7	84.2	51.47	280	3.45	1.54	0	3.11	FEW	1	1500	143.54	998
2023	19	12	8	86	48.58	320	3.45	1.54	0	3.11	FEW	1	1500	369.59	997
2023	19	12	9	86	48.58	140	4.60	2.06	0	3.11	SCT	4	2000	551.22	996
2023	19	12	10	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	689.45	996
2023	19	12	11	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	745.34	996
2023	19	12	12	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	741.41	996
2023	19	12	13	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	709.95	996
2023	19	12	14	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	628.89	996
2023	19	12	15	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	490.43	996
2023	19	12	16	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	316.61	996
2023	19	12	17	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	114.13	996
2023	19	12	18	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	0	996
2023	19	12	19	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	0	996
2023	19	12	20	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	0	996
2023	19	12	21	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	0	996
2023	19	12	22	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	0	996
2023	19	12	23	84.2	54.8	150	5.75	2.57	0	3.11	SCT	4	2000	0	996
2023	20	12	0	75.2	73.61	20	5.75	2.57	0	2.49	SCT	4	2000	0	1000

2023	20	12	1	75.2	73.61	20	5.75	2.57	0	2.49	SCT	4	2000	0	1000
2023	20	12	2	75.2	73.61	20	5.75	2.57	0	2.49	SCT	4	2000	0	1000
2023	20	12	3	75.2	73.61	20	5.75	2.57	0	2.49	SCT	4	2000	0	1000
2023	20	12	4	77	69.33	10	4.60	2.06	0	2.49	SCT	4	2000	0	1001
2023	20	12	5	78.8	69.52	10	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2023	20	12	6	82.4	61.81	140	3.45	1.54	0	3.11	SCT	4	2000	0	999
2023	20	12	7	82.4	58.08	340	4.60	2.06	0	3.11	SCT	4	2000	143.54	998
2023	20	12	8	82.4	61.81	100	3.45	1.54	0	3.11	SCT	4	2000	369.59	997
2023	20	12	9	84.2	58.32	340	5.75	2.57	0	3.11	SCT	4	2000	551.22	996
2023	20	12	10	82.4	61.81	340	6.90	3.09	0	3.11	SCT	4	2000	689.45	996
2023	20	12	11	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	745.34	996
2023	20	12	12	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	741.41	996
2023	20	12	13	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	709.95	996
2023	20	12	14	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	628.89	996
2023	20	12	15	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	490.43	996
2023	20	12	16	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	316.61	996
2023	20	12	17	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	114.13	996
2023	20	12	18	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	0	996
2023	20	12	19	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	0	996
2023	20	12	20	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	0	996
2023	20	12	21	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	0	996
2023	20	12	22	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	0	996
2023	20	12	23	80.6	65.54	10	9.21	4.12	0	3.11	SCT	4	2000	0	996
2023	21	12	0	75.2	78.34	20	11.51	5.14	0	1.86	SCT	4	1500	0	1000
2023	21	12	1	75.2	78.34	20	11.51	5.14	0	1.86	SCT	4	1500	0	1000
2023	21	12	2	75.2	78.34	20	11.51	5.14	0	1.86	SCT	4	1500	0	1000
2023	21	12	3	75.2	78.34	20	11.51	5.14	0	1.86	SCT	4	1500	0	1000
2023	21	12	4	77	73.78	20	14.96	6.69	0	2.49	SCT	4	1500	0	1000
2023	21	12	5	78.8	73.95	10	9.21	4.12	0	2.8	SCT	4	1500	0	1000
2023	21	12	6	80.6	69.71	130	4.60	2.06	0	3.11	SCT	4	1500	0	999
2023	21	12	7	82.4	61.81	150	5.75	2.57	0	3.11	SCT	4	1500	143.54	998

2023	21	12	8	82.4	65.74	120	3.45	1.54	0	3.11	SCT	4	1500	369.59	997
2023	21	12	9	82.4	65.74	10	3.45	1.54	0	3.11	SCT	4	2000	551.22	996
2023	21	12	10	82.4	65.74	340	3.45	1.54	0	3.11	SCT	4	2000	689.45	996
2023	21	12	11	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	745.34	996
2023	21	12	12	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	741.41	996
2023	21	12	13	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	709.95	996
2023	21	12	14	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	628.89	996
2023	21	12	15	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	490.43	996
2023	21	12	16	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	316.61	996
2023	21	12	17	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	114.13	996
2023	21	12	18	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	0	996
2023	21	12	19	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	0	996
2023	21	12	20	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	0	996
2023	21	12	21	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	0	996
2023	21	12	22	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	0	996
2023	21	12	23	82.4	65.74	200	3.45	1.54	0	3.11	SCT	4	2000	0	996
2023	22	12	0	71.6	94.06	50	3.45	1.54	0	1.86	SCT	4	1997	0	1000
2023	22	12	1	71.6	94.06	50	3.45	1.54	0	1.86	SCT	4	1998	0	1000
2023	22	12	2	71.6	94.06	50	3.45	1.54	0	1.86	SCT	4	1999	0	1000
2023	22	12	3	71.6	94.06	50	3.45	1.54	0	1.86	SCT	4	2000	0	1000
2023	22	12	4	77	78.48	10	4.60	2.06	0	1.86	SCT	4	2000	0	1001
2023	22	12	5	80.6	65.54	330	4.60	2.06	0	2.49	SCT	4	2000	0	1000
2023	22	12	6	82.4	58.08	10	4.60	2.06	0	3.11	SCT	4	2000	0	999
2023	22	12	7	86	51.72	30	3.45	1.54	0	3.11	SCT	4	2000	143.54	998
2023	22	12	8	87.8	48.84	30	0.00	0.00	0	3.11	FEW	1	2000	369.59	996
2023	22	12	9	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	551.22	996
2023	22	12	10	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	689.45	996
2023	22	12	11	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	745.34	996
2023	22	12	12	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	741.41	996
2023	22	12	13	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	709.95	996
2023	22	12	14	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	628.89	996

2023	22	12	15	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	490.43	996
2023	22	12	16	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	316.61	996
2023	22	12	17	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	114.13	996
2023	22	12	18	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	0	996
2023	22	12	19	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	0	996
2023	22	12	20	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	0	996
2023	22	12	21	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	0	996
2023	22	12	22	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	0	996
2023	22	12	23	87.8	43.07	30	2.30	1.03	0	3.11	FEW	1	2000	0	996
2023	23	12	0	71.6	78.04	50	4.60	2.06	0	1.86	SCT	4	1500	0	1001
2023	23	12	1	71.6	78.04	50	4.60	2.06	0	1.86	SCT	4	1500	0	1001
2023	23	12	2	71.6	78.04	50	4.60	2.06	0	1.86	SCT	4	1500	0	1001
2023	23	12	3	71.6	78.04	50	4.60	2.06	0	1.86	SCT	4	1500	0	1001
2023	23	12	4	73.4	83.21	130	4.60	2.06	0	1.86	SCT	4	1500	0	1002
2023	23	12	5	77	73.78	140	4.60	2.06	0	2.49	SCT	4	1500	0	1001
2023	23	12	6	80.6	65.54	140	4.60	2.06	0	2.49	SCT	4	1500	0	1000
2023	23	12	7	82.4	58.08	170	3.45	1.54	0	3.11	SCT	4	1500	143.54	999
2023	23	12	8	80.6	61.58	240	3.45	1.54	0	3.11	SCT	4	1500	369.59	998
2023	23	12	9	84.2	51.47	360	3.45	1.54	0	3.11	SCT	4	1500	551.22	997
2023	23	12	10	82.4	54.55	20	2.30	1.03	0	3.11	SCT	4	1500	689.45	996
2023	23	12	11	84.2	48.32	20	4.60	2.06	0	3.11	SCT	4	1500	745.34	997
2023	23	12	12	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	741.41	997
2023	23	12	13	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	709.95	997
2023	23	12	14	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	628.89	997
2023	23	12	15	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	490.43	997
2023	23	12	16	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	316.61	997
2023	23	12	17	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	114.13	997
2023	23	12	18	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	0	997
2023	23	12	19	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	0	997
2023	23	12	20	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	0	997
2023	23	12	21	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	0	997

2023	23	12	22	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	0	997
2023	23	12	23	82.4	42.25	10	4.60	2.06	0	3.11	SCT	4	1500	0	997
2023	24	12	0	71.6	78.04	10	4.60	2.06	0	1.86	FEW	1	2000	0	1003
2023	24	12	1	71.6	78.04	10	4.60	2.06	0	1.86	FEW	1	2000	0	1003
2023	24	12	2	71.6	78.04	10	4.60	2.06	0	1.86	FEW	1	2000	0	1003
2023	24	12	3	71.6	78.04	10	4.60	2.06	0	1.86	FEW	1	2000	0	1003
2023	24	12	4	73.4	73.44	0	0.00	0.00	0	2.17	SCT	4	2000	0	1003
2023	24	12	5	78.8	57.6	340	4.60	2.06	0	2.49	FEW	1	2000	0	1002
2023	24	12	6	82.4	51.21	340	2.30	1.03	0	2.8	FEW	1	2000	0	1001
2023	24	12	7	87.8	43.07	340	2.30	1.03	0	3.11	FEW	1	2000	143.54	1000
2023	24	12	8	86	45.61	130	6.90	3.09	0	3.11	FEW	1	2000	369.59	998
2023	24	12	9	87.8	45.88	180	6.90	3.09	0	3.11	FEW	1	2000	551.22	997
2023	24	12	10	86	51.72	120	6.90	3.09	0	3.11	SCT	4	2000	689.45	997
2023	24	12	11	82.4	58.08	110	8.06	3.60	0	3.11	SCT	4	2000	745.34	997
2023	24	12	12	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	741.41	998
2023	24	12	13	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	709.95	998
2023	24	12	14	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	628.89	998
2023	24	12	15	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	490.43	998
2023	24	12	16	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	316.61	998
2023	24	12	17	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	114.13	998
2023	24	12	18	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	24	12	19	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	24	12	20	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	24	12	21	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	24	12	22	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	24	12	23	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	0	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	1	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	2	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	3	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	4	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998

2023	25	12	5	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	6	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	7	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	143.54	998
2023	25	12	8	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	369.59	998
2023	25	12	9	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	551.22	998
2023	25	12	10	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	689.45	998
2023	25	12	11	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	745.34	998
2023	25	12	12	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	741.41	998
2023	25	12	13	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	709.95	998
2023	25	12	14	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	628.89	998
2023	25	12	15	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	490.43	998
2023	25	12	16	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	316.61	998
2023	25	12	17	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	114.13	998
2023	25	12	18	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	19	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	20	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	21	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	22	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	25	12	23	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	0	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	1	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	2	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	3	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	4	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	5	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	6	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	7	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	143.54	998
2023	26	12	8	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	369.59	998
2023	26	12	9	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	551.22	998
2023	26	12	10	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	689.45	998
2023	26	12	11	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	745.34	998

2023	26	12	12	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	741.41	998
2023	26	12	13	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	709.95	998
2023	26	12	14	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	628.89	998
2023	26	12	15	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	490.43	998
2023	26	12	16	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	316.61	998
2023	26	12	17	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	114.13	998
2023	26	12	18	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	19	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	20	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	21	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	22	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	26	12	23	80.6	61.58	100	9.21	4.12	0	3.11	FEW	1	2000	0	998
2023	27	12	0	73.4	78.19	10	6.90	3.09	0	2.49	FEW	1	2000	0	1002
2023	27	12	1	73.4	78.19	10	6.90	3.09	0	2.49	FEW	1	2000	0	1002
2023	27	12	2	73.4	78.19	10	6.90	3.09	0	2.49	FEW	1	2000	0	1002
2023	27	12	3	73.4	78.19	10	6.90	3.09	0	2.49	FEW	1	2000	0	1002
2023	27	12	4	77	69.33	30	5.75	2.57	0	3.11	FEW	1	2000	0	1003
2023	27	12	5	80.6	57.84	130	4.60	2.06	0	3.11	FEW	1	2000	0	1002
2023	27	12	6	82.4	54.55	20	6.90	3.09	0	3.73	FEW	1	2000	0	1002
2023	27	12	7	84.2	51.47	350	6.90	3.09	0	4.35	FEW	1	2000	143.54	1000
2023	27	12	8	86	48.58	330	5.75	2.57	0	4.35	FEW	1	2000	369.59	998
2023	27	12	9	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	551.22	997
2023	27	12	10	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	689.45	997
2023	27	12	11	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	745.34	997
2023	27	12	12	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	741.41	997
2023	27	12	13	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	709.95	997
2023	27	12	14	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	628.89	997
2023	27	12	15	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	490.43	997
2023	27	12	16	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	316.61	997
2023	27	12	17	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	114.13	997
2023	27	12	18	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	0	997

2023	27	12	19	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	0	997
2023	27	12	20	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	0	997
2023	27	12	21	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	0	997
2023	27	12	22	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	0	997
2023	27	12	23	87.8	45.88	350	6.90	3.09	0	4.35	FEW	1	2000	0	997
2023	28	12	0	75.2	78.34	80	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2023	28	12	1	75.2	78.34	80	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2023	28	12	2	75.2	78.34	80	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2023	28	12	3	75.2	78.34	80	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2023	28	12	4	77	73.78	20	6.90	3.09	0	3.11	FEW	1	2000	0	1001
2023	28	12	5	80.6	65.54	10	4.60	2.06	0	3.11	SCT	4	2000	0	1001
2023	28	12	6	82.4	61.81	20	5.75	2.57	0	3.11	SCT	4	2000	0	1000
2023	28	12	7	82.4	61.81	10	4.60	2.06	0	3.11	SCT	4	2000	143.54	998
2023	28	12	8	86	55.04	40	6.90	3.09	0	3.73	SCT	4	2000	369.59	997
2023	28	12	9	86	55.04	330	4.60	2.06	0	4.35	SCT	4	2000	551.22	996
2023	28	12	10	86	55.04	350	3.45	1.54	0	4.35	SCT	4	2000	689.45	996
2023	28	12	11	86	51.72	130	9.21	4.12	0	4.35	SCT	4	2000	745.34	996
2023	28	12	12	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	741.41	996
2023	28	12	13	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	709.95	996
2023	28	12	14	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	628.89	996
2023	28	12	15	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	490.43	996
2023	28	12	16	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	316.61	996
2023	28	12	17	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	114.13	996
2023	28	12	18	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	0	996
2023	28	12	19	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	0	996
2023	28	12	20	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	0	996
2023	28	12	21	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	0	996
2023	28	12	22	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	0	996
2023	28	12	23	84.2	51.47	80	4.60	2.06	0	4.35	SCT	4	2000	0	996
2023	29	12	0	75.2	78.34	80	4.60	2.06	0	3.11	SCT	4	2000	0	1001
2023	29	12	1	75.2	78.34	80	4.60	2.06	0	3.11	SCT	4	2000	0	1001

2023	29	12	2	75.2	78.34	80	4.60	2.06	0	3.11	SCT	4	2000	0	1001
2023	29	12	3	75.2	78.34	80	4.60	2.06	0	3.11	SCT	4	2000	0	1001
2023	29	12	4	80.6	65.54	350	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2023	29	12	5	80.6	65.54	40	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2023	29	12	6	80.6	65.54	350	4.60	2.06	0	3.73	SCT	4	2000	0	1000
2023	29	12	7	84.2	58.32	20	6.90	3.09	0	4.35	SCT	4	2000	143.54	999
2023	29	12	8	84.2	58.32	10	6.90	3.09	0	4.35	SCT	4	2000	369.59	997
2023	29	12	9	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	551.22	997
2023	29	12	10	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	689.45	997
2023	29	12	11	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	745.34	997
2023	29	12	12	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	741.41	997
2023	29	12	13	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	709.95	997
2023	29	12	14	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	628.89	997
2023	29	12	15	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	490.43	997
2023	29	12	16	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	316.61	997
2023	29	12	17	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	114.13	997
2023	29	12	18	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	0	997
2023	29	12	19	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	0	997
2023	29	12	20	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	0	997
2023	29	12	21	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	0	997
2023	29	12	22	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	0	997
2023	29	12	23	84.2	54.8	20	9.21	4.12	0	4.35	SCT	4	2000	0	997
2023	30	12	0	73.4	88.51	120	3.45	1.54	0	2.49	FEW	1	2000	0	1000
2023	30	12	1	73.4	88.51	120	3.45	1.54	0	2.49	FEW	1	2000	0	1000
2023	30	12	2	73.4	88.51	120	3.45	1.54	0	2.49	FEW	1	2000	0	1000
2023	30	12	3	73.4	88.51	120	3.45	1.54	0	2.49	FEW	1	2000	0	1000
2023	30	12	4	77	78.48	100	4.60	2.06	0	2.49	FEW	1	2000	0	1001
2023	30	12	5	82.4	61.81	200	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2023	30	12	6	82.4	61.81	10	4.60	2.06	0	3.11	SCT	4	2000	0	1000
2023	30	12	7	82.4	58.08	10	4.60	2.06	0	3.11	SCT	4	2000	143.54	999
2023	30	12	8	84.2	54.8	20	3.45	1.54	0	3.73	SCT	4	2000	369.59	997

2023	30	12	9	84.2	54.8	110	3.45	1.54	0	3.73	SCT	4	2000	551.22	996
2023	30	12	10	84.2	54.8	290	3.45	1.54	0	3.73	SCT	4	2000	689.45	996
2023	30	12	11	84.2	54.8	150	4.60	2.06	0	3.73	SCT	4	2000	745.34	996
2023	30	12	12	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	741.41	996
2023	30	12	13	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	709.95	996
2023	30	12	14	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	628.89	996
2023	30	12	15	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	490.43	996
2023	30	12	16	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	316.61	996
2023	30	12	17	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	114.13	996
2023	30	12	18	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	0	996
2023	30	12	19	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	0	996
2023	30	12	20	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	0	996
2023	30	12	21	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	0	996
2023	30	12	22	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	0	996
2023	30	12	23	82.4	61.81	130	6.90	3.09	0	3.73	SCT	4	2000	0	996
2023	31	12	0	73.4	88.51	130	6.90	3.09	0	2.49	FEW	1	2000	0	1001
2023	31	12	1	73.4	88.51	130	6.90	3.09	0	2.49	FEW	1	2000	0	1001
2023	31	12	2	73.4	88.51	130	6.90	3.09	0	2.49	FEW	1	2000	0	1001
2023	31	12	3	73.4	88.51	130	6.90	3.09	0	2.49	FEW	1	2000	0	1001
2023	31	12	4	75.2	83.32	220	3.45	1.54	0	2.49	FEW	1	2000	0	1001
2023	31	12	5	78.8	65.33	30	4.60	2.06	0	2.49	FEW	1	2000	0	1000
2023	31	12	6	82.4	54.55	50	3.45	1.54	0	3.11	SCT	4	2000	0	999
2023	31	12	7	82.4	54.55	110	3.45	1.54	0	3.11	SCT	4	2000	143.54	998
2023	31	12	8	86	48.58	110	3.45	1.54	0	3.11	SCT	4	2000	369.59	997
2023	31	12	9	86	48.58	80	3.45	1.54	0	3.11	SCT	4	2000	551.22	996
2023	31	12	10	86	45.61	130	5.75	2.57	0	3.73	SCT	4	2000	689.45	995
2023	31	12	11	86	45.61	110	6.90	3.09	0	3.73	SCT	4	2000	745.34	994
2023	31	12	12	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	741.41	995
2023	31	12	13	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	709.95	995
2023	31	12	14	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	628.89	995
2023	31	12	15	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	490.43	995

2023	31	12	16	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	316.61	995
2023	31	12	17	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	114.13	995
2023	31	12	18	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	0	995
2023	31	12	19	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	0	995
2023	31	12	20	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	0	995
2023	31	12	21	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	0	995
2023	31	12	22	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	0	995
2023	31	12	23	84.2	51.47	120	6.90	3.09	0	3.73	SCT	4	2000	0	995
2024	1	1	0	69.8	94.01	120	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2024	1	1	1	69.8	94.01	120	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2024	1	1	2	69.8	94.01	120	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2024	1	1	3	69.8	94.01	120	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2024	1	1	4	75.2	78.34	100	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	1	1	5	78.8	61.36	10	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	1	1	6	82.4	54.55	260	4.60	2.06	0	3.11	SCT	4	2000	0	1000
2024	1	1	7	84.2	51.47	260	2.30	1.03	0	3.11	SCT	4	2000	123.72	998
2024	1	1	8	86	45.61	330	3.45	1.54	0	3.11	SCT	4	2000	393.66	997
2024	1	1	9	87.8	40.41	310	3.45	1.54	0	3.11	SCT	4	2000	609.74	996
2024	1	1	10	86	40.14	180	5.75	2.57	0	3.11	SCT	4	2000	783.04	996
2024	1	1	11	86	45.61	160	9.21	4.12	0	3.11	SCT	4	2000	877	995
2024	1	1	12	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	934.8	996
2024	1	1	13	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	897.27	996
2024	1	1	14	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	818.93	996
2024	1	1	15	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	670.26	996
2024	1	1	16	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	473.62	996
2024	1	1	17	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	219.71	996
2024	1	1	18	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	1	1	19	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	1	1	20	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	1	1	21	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	1	1	22	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	0	996

2024	1	1	23	84.2	51.47	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	2	1	0	73.4	83.21	110	5.75	2.57	0	2.49	SCT	4	2000	0	999
2024	2	1	1	73.4	83.21	110	5.75	2.57	0	2.49	SCT	4	2000	0	999
2024	2	1	2	73.4	83.21	110	5.75	2.57	0	2.49	SCT	4	2000	0	999
2024	2	1	3	73.4	83.21	110	5.75	2.57	0	2.49	SCT	4	2000	0	999
2024	2	1	4	75.2	78.34	110	5.75	2.57	0	2.49	SCT	4	2000	0	1000
2024	2	1	5	78.8	69.52	240	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	2	1	6	80.6	61.58	180	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	2	1	7	82.4	58.08	280	4.60	2.06	0	3.11	SCT	4	2000	123.72	998
2024	2	1	8	84.2	54.8	240	3.45	1.54	0	3.11	SCT	4	2000	393.66	996
2024	2	1	9	86	45.61	160	4.60	2.06	0	3.11	SCT	4	2000	609.74	995
2024	2	1	10	86	48.58	100	4.60	2.06	0	3.11	SCT	4	2000	783.04	995
2024	2	1	11	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	877	995
2024	2	1	12	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	934.8	995
2024	2	1	13	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	897.27	995
2024	2	1	14	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	818.93	995
2024	2	1	15	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	670.26	995
2024	2	1	16	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	473.62	995
2024	2	1	17	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	219.71	995
2024	2	1	18	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	2	1	19	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	2	1	20	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	2	1	21	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	2	1	22	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	2	1	23	86	45.61	120	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	3	1	0	73.4	83.21	20	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	3	1	1	73.4	83.21	20	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	3	1	2	73.4	83.21	20	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	3	1	3	73.4	83.21	20	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	3	1	4	77	73.78	50	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2024	3	1	5	80.6	65.54	20	3.45	1.54	0	3.11	SCT	4	2000	0	999

2024	3	1	6	82.4	61.81	340	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	3	1	7	84.2	51.47	320	3.45	1.54	0	3.11	SCT	4	2000	123.72	997
2024	3	1	8	86	48.58	210	3.45	1.54	0	3.11	SCT	4	2000	393.66	995
2024	3	1	9	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	609.74	995
2024	3	1	10	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	783.04	995
2024	3	1	11	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	877	995
2024	3	1	12	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	934.8	995
2024	3	1	13	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	897.27	995
2024	3	1	14	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	818.93	995
2024	3	1	15	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	670.26	995
2024	3	1	16	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	473.62	995
2024	3	1	17	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	219.71	995
2024	3	1	18	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	3	1	19	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	3	1	20	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	3	1	21	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	3	1	22	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	3	1	23	87.8	45.88	70	5.75	2.57	0	3.11	SCT	4	2000	0	995
2024	4	1	0	75.2	88.59	300	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	4	1	1	75.2	88.59	300	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	4	1	2	75.2	88.59	300	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	4	1	3	75.2	88.59	300	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	4	1	4	77	78.48	80	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2024	4	1	5	78.8	73.95	170	4.60	2.06	0	3.11	SCT	4	2000	0	999
2024	4	1	6	80.6	69.71	350	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	4	1	7	82.4	61.81	20	3.45	1.54	0	3.11	SCT	4	2000	123.72	997
2024	4	1	8	82.4	65.74	320	3.45	1.54	0	3.11	SCT	4	2000	393.66	996
2024	4	1	9	82.4	61.81	30	3.45	1.54	0	3.11	SCT	4	2000	609.74	995
2024	4	1	10	82.4	61.81	30	3.45	1.54	0	3.11	SCT	4	2000	783.04	995
2024	4	1	11	82.4	61.81	120	3.45	1.54	0	3.11	SCT	4	2000	877	995
2024	4	1	12	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	934.8	995

2024	4	1	13	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	897.27	995
2024	4	1	14	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	818.93	995
2024	4	1	15	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	670.26	995
2024	4	1	16	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	473.62	995
2024	4	1	17	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	219.71	995
2024	4	1	18	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	0	995
2024	4	1	19	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	0	995
2024	4	1	20	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	0	995
2024	4	1	21	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	0	995
2024	4	1	22	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	0	995
2024	4	1	23	80.6	69.71	110	4.60	2.06	0	3.11	SCT	4	2000	0	995
2024	5	1	0	73.4	100	110	4.60	2.06	0	1.86	SCT	4	2000	0	999
2024	5	1	1	73.4	100	110	4.60	2.06	0	1.86	SCT	4	2000	0	999
2024	5	1	2	73.4	100	110	4.60	2.06	0	1.86	SCT	4	2000	0	999
2024	5	1	3	73.4	100	110	4.60	2.06	0	1.86	SCT	4	2000	0	999
2024	5	1	4	75.2	94.14	120	3.45	1.54	0	1.86	SCT	4	2000	0	999
2024	5	1	5	77	88.67	180	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	5	1	6	78.8	78.62	190	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	5	1	7	80.6	74.11	180	3.45	1.54	0	3.11	SCT	4	2000	123.72	997
2024	5	1	8	82.4	65.74	210	3.45	1.54	0	3.11	SCT	4	2000	393.66	996
2024	5	1	9	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	609.74	995
2024	5	1	10	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	783.04	995
2024	5	1	11	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	877	995
2024	5	1	12	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	934.8	995
2024	5	1	13	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	897.27	995
2024	5	1	14	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	818.93	995
2024	5	1	15	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	670.26	995
2024	5	1	16	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	473.62	995
2024	5	1	17	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	219.71	995
2024	5	1	18	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	5	1	19	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	0	995

2024	5	1	20	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	5	1	21	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	5	1	22	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	5	1	23	82.4	65.74	130	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	6	1	0	75.2	88.59	50	3.45	1.54	0	1.24	SCT	4	2000	0	998
2024	6	1	1	75.2	88.59	50	3.45	1.54	0	1.24	SCT	4	2000	0	998
2024	6	1	2	75.2	88.59	50	3.45	1.54	0	1.24	SCT	4	2000	0	998
2024	6	1	3	75.2	88.59	50	3.45	1.54	0	1.24	SCT	4	2000	0	998
2024	6	1	4	77	78.48	50	2.30	1.03	0	1.86	SCT	4	2000	0	999
2024	6	1	5	78.8	73.95	130	4.60	2.06	0	3.11	SCT	4	2000	0	999
2024	6	1	6	80.6	69.71	130	3.45	1.54	0	3.11	FEW	1	2000	0	998
2024	6	1	7	82.4	61.81	150	5.75	2.57	0	3.11	FEW	1	2000	123.72	996
2024	6	1	8	84.2	62.03	130	4.60	2.06	0	3.11	FEW	1	2000	393.66	995
2024	6	1	9	84.2	62.03	130	4.60	2.06	0	3.11	FEW	1	2000	609.74	995
2024	6	1	10	86	58.55	90	6.90	3.09	0	3.11	SCT	4	2000	783.04	994
2024	6	1	11	82.4	65.74	100	9.21	4.12	0	3.11	FEW	1	2000	877	994
2024	6	1	12	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	934.8	995
2024	6	1	13	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	897.27	995
2024	6	1	14	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	818.93	995
2024	6	1	15	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	670.26	995
2024	6	1	16	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	473.62	995
2024	6	1	17	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	219.71	995
2024	6	1	18	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	0	995
2024	6	1	19	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	0	995
2024	6	1	20	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	0	995
2024	6	1	21	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	0	995
2024	6	1	22	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	0	995
2024	6	1	23	82.4	65.74	130	5.75	2.57	0	3.11	FEW	1	2000	0	995
2024	7	1	0	77	78.48	130	1.15	0.51	0	2.49	FEW	1	2000	0	999
2024	7	1	1	77	78.48	130	1.15	0.51	0	2.49	FEW	1	2000	0	999
2024	7	1	2	77	78.48	130	1.15	0.51	0	2.49	FEW	1	2000	0	999

2024	7	1	3	77	78.48	130	1.15	0.51	0	2.49	FEW	1	2000	0	999
2024	7	1	4	77	78.48	130	1.15	0.51	0	3.11	SCT	4	2000	0	1000
2024	7	1	5	78.8	73.95	130	1.15	0.51	0	3.11	SCT	4	2000	0	1000
2024	7	1	6	80.6	65.54	130	0.00	0.00	0	3.11	FEW	1	2000	0	999
2024	7	1	7	82.4	61.81	190	5.75	2.57	0	3.11	FEW	1	2000	123.72	997
2024	7	1	8	86	55.04	110	5.75	2.57	0	3.11	FEW	1	2000	393.66	996
2024	7	1	9	86	55.04	10	6.90	3.09	0	3.11	FEW	1	2000	609.74	995
2024	7	1	10	86	55.04	300	4.60	2.06	0	3.11	SCT	4	2000	783.04	994
2024	7	1	11	84.2	58.32	340	9.21	4.12	0	3.73	FEW	1	2000	877	994
2024	7	1	12	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	934.8	995
2024	7	1	13	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	897.27	995
2024	7	1	14	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	818.93	995
2024	7	1	15	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	670.26	995
2024	7	1	16	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	473.62	995
2024	7	1	17	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	219.71	995
2024	7	1	18	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	7	1	19	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	7	1	20	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	7	1	21	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	7	1	22	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	7	1	23	82.4	61.81	360	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	8	1	0	75.2	88.59	20	5.75	2.57	0	3.73	SCT	4	2000	0	1000
2024	8	1	1	75.2	88.59	20	5.75	2.57	0	3.73	SCT	4	2000	0	1000
2024	8	1	2	75.2	88.59	20	5.75	2.57	0	3.73	SCT	4	2000	0	1000
2024	8	1	3	75.2	88.59	20	5.75	2.57	0	3.73	SCT	4	2000	0	1000
2024	8	1	4	75.2	88.59	10	6.90	3.09	0	3.73	SCT	4	2000	0	1000
2024	8	1	5	75.2	88.59	10	6.90	3.09	0	3.73	SCT	4	2000	0	1000
2024	8	1	6	80.6	74.11	20	5.75	2.57	0	4.35	SCT	4	2000	0	1000
2024	8	1	7	80.6	78.76	10	9.21	4.12	0	4.35	SCT	4	2000	123.72	999
2024	8	1	8	82.4	69.9	340	5.75	2.57	0	4.35	SCT	4	2000	393.66	998
2024	8	1	9	78.8	83.55	10	11.51	5.14	0	4.35	SCT	4	2000	609.74	997

2024	8	1	10	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	783.04	997
2024	8	1	11	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	877	997
2024	8	1	12	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	934.8	997
2024	8	1	13	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	897.27	997
2024	8	1	14	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	818.93	997
2024	8	1	15	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	670.26	997
2024	8	1	16	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	473.62	997
2024	8	1	17	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	219.71	997
2024	8	1	18	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	0	997
2024	8	1	19	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	0	997
2024	8	1	20	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	0	997
2024	8	1	21	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	0	997
2024	8	1	22	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	0	997
2024	8	1	23	75.2	94.14	50	3.45	1.54	0	3.73	FEW	1	1500	0	997
2024	9	1	0	73.4	100	20	5.75	2.57	0	3.11	FEW	1	1000	0	999
2024	9	1	1	73.4	100	20	5.75	2.57	0	3.11	FEW	1	1000	0	999
2024	9	1	2	73.4	100	20	5.75	2.57	0	3.11	FEW	1	1000	0	999
2024	9	1	3	73.4	100	20	5.75	2.57	0	3.11	FEW	1	1000	0	999
2024	9	1	4	75.2	83.32	20	6.90	3.09	0	3.11	FEW	1	1000	0	1000
2024	9	1	5	73.4	94.1	10	5.75	2.57	0	3.11	FEW	1	1000	0	1000
2024	9	1	6	75.2	88.59	10	6.90	3.09	0	3.11	FEW	1	1000	0	1000
2024	9	1	7	77	83.44	10	9.21	4.12	0	3.11	FEW	1	1000	123.72	999
2024	9	1	8	78.8	69.52	20	9.21	4.12	0	3.11	FEW	1	1000	393.66	998
2024	9	1	9	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	609.74	997
2024	9	1	10	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	783.04	997
2024	9	1	11	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	877	997
2024	9	1	12	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	934.8	997
2024	9	1	13	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	897.27	997
2024	9	1	14	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	818.93	997
2024	9	1	15	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	670.26	997
2024	9	1	16	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	473.62	997

2024	9	1	17	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	219.71	997
2024	9	1	18	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	0	997
2024	9	1	19	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	0	997
2024	9	1	20	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	0	997
2024	9	1	21	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	0	997
2024	9	1	22	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	0	997
2024	9	1	23	80.6	69.71	10	6.90	3.09	0	3.11	SCT	4	2000	0	997
2024	10	1	0	75.2	83.32	190	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	10	1	1	75.2	83.32	190	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	10	1	2	75.2	83.32	190	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	10	1	3	75.2	83.32	190	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	10	1	4	78.8	73.95	180	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2024	10	1	5	80.6	61.58	300	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2024	10	1	6	82.4	58.08	280	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	10	1	7	82.4	58.08	330	5.75	2.57	0	3.11	SCT	4	2000	123.72	998
2024	10	1	8	82.4	58.08	270	3.45	1.54	0	3.11	SCT	4	2000	393.66	997
2024	10	1	9	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	609.74	996
2024	10	1	10	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	783.04	996
2024	10	1	11	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	877	996
2024	10	1	12	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	934.8	996
2024	10	1	13	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	897.27	996
2024	10	1	14	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	818.93	996
2024	10	1	15	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	670.26	996
2024	10	1	16	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	473.62	996
2024	10	1	17	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	219.71	996
2024	10	1	18	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	10	1	19	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	10	1	20	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	10	1	21	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	10	1	22	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	10	1	23	84.2	54.8	10	5.75	2.57	0	3.11	SCT	4	2000	0	996

2024	11	1	0	73.4	88.51	40	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	11	1	1	73.4	88.51	40	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	11	1	2	73.4	88.51	40	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	11	1	3	73.4	88.51	40	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	11	1	4	78.8	69.52	20	6.90	3.09	0	2.49	SCT	4	2000	0	1001
2024	11	1	5	80.6	57.84	40	6.90	3.09	0	3.11	SCT	4	2000	0	1001
2024	11	1	6	82.4	54.55	60	4.60	2.06	0	3.11	SCT	4	2000	0	1000
2024	11	1	7	84.2	48.32	190	5.75	2.57	0	3.11	SCT	4	2000	123.72	998
2024	11	1	8	86	42.8	150	4.60	2.06	0	3.11	SCT	4	2000	393.66	997
2024	11	1	9	86	42.8	110	5.75	2.57	0	3.11	SCT	4	2000	609.74	996
2024	11	1	10	87.8	40.41	190	4.60	2.06	0	3.11	SCT	4	2000	783.04	995
2024	11	1	11	86	42.8	10	8.06	3.60	0	3.11	SCT	4	2000	877	995
2024	11	1	12	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	934.8	996
2024	11	1	13	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	897.27	996
2024	11	1	14	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	818.93	996
2024	11	1	15	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	670.26	996
2024	11	1	16	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	473.62	996
2024	11	1	17	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	219.71	996
2024	11	1	18	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	0	996
2024	11	1	19	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	0	996
2024	11	1	20	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	0	996
2024	11	1	21	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	0	996
2024	11	1	22	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	0	996
2024	11	1	23	86	42.8	50	6.90	3.09	0	3.11	SCT	4	2000	0	996
2024	12	1	0	71.6	88.43	50	6.90	3.09	0	2.49	SCT	4	2000	0	1000
2024	12	1	1	71.6	88.43	50	6.90	3.09	0	2.49	SCT	4	2000	0	1000
2024	12	1	2	71.6	88.43	50	6.90	3.09	0	2.49	SCT	4	2000	0	1000
2024	12	1	3	71.6	88.43	50	6.90	3.09	0	2.49	SCT	4	2000	0	1000
2024	12	1	4	77	73.78	50	6.90	3.09	0	2.49	SCT	4	2000	0	1001
2024	12	1	5	78.8	61.36	340	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	12	1	6	82.4	51.21	10	3.45	1.54	0	3.11	SCT	4	2000	0	1000

2024	12	1	7	84.2	48.32	10	5.75	2.57	0	3.11	SCT	4	2000	123.72	999
2024	12	1	8	84.2	48.32	20	3.45	1.54	0	3.11	SCT	4	2000	393.66	998
2024	12	1	9	86	42.8	200	4.60	2.06	0	3.11	SCT	4	2000	609.74	996
2024	12	1	10	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	783.04	996
2024	12	1	11	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	877	996
2024	12	1	12	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	934.8	996
2024	12	1	13	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	897.27	996
2024	12	1	14	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	818.93	996
2024	12	1	15	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	670.26	996
2024	12	1	16	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	473.62	996
2024	12	1	17	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	219.71	996
2024	12	1	18	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	12	1	19	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	12	1	20	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	12	1	21	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	12	1	22	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	12	1	23	87.8	40.41	270	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	13	1	0	71.6	94.06	270	4.60	2.06	0	2.49	FEW	1	2000	0	1001
2024	13	1	1	71.6	94.06	270	4.60	2.06	0	2.49	FEW	1	2000	0	1001
2024	13	1	2	71.6	94.06	270	4.60	2.06	0	2.49	FEW	1	2000	0	1001
2024	13	1	3	71.6	94.06	270	4.60	2.06	0	2.49	FEW	1	2000	0	1001
2024	13	1	4	75.2	78.34	40	3.45	1.54	0	2.49	FEW	1	2000	0	1002
2024	13	1	5	80.6	61.58	340	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	13	1	6	82.4	54.55	340	2.30	1.03	0	3.11	SCT	4	2000	0	1001
2024	13	1	7	84.2	54.8	270	3.45	1.54	0	3.11	SCT	4	2000	123.72	1000
2024	13	1	8	87.8	45.88	300	4.60	2.06	0	3.11	SCT	4	2000	393.66	998
2024	13	1	9	87.8	45.88	150	4.60	2.06	0	3.11	SCT	4	2000	609.74	997
2024	13	1	10	86	48.58	150	4.60	2.06	0	3.11	SCT	4	2000	783.04	997
2024	13	1	11	86	51.72	120	5.75	2.57	0	3.11	SCT	4	2000	877	997
2024	13	1	12	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	934.8	997
2024	13	1	13	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	897.27	997

2024	13	1	14	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	818.93	997
2024	13	1	15	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	670.26	997
2024	13	1	16	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	473.62	997
2024	13	1	17	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	219.71	997
2024	13	1	18	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	13	1	19	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	13	1	20	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	13	1	21	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	13	1	22	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	13	1	23	84.2	51.47	120	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	14	1	0	71.6	88.43	120	2.30	1.03	0	1.24	NSC	0	2000	0	1001
2024	14	1	1	71.6	88.43	120	2.30	1.03	0	1.24	NSC	0	2000	0	1001
2024	14	1	2	71.6	88.43	120	2.30	1.03	0	1.24	NSC	0	2000	0	1001
2024	14	1	3	71.6	88.43	120	2.30	1.03	0	1.24	NSC	0	2000	0	1001
2024	14	1	4	77	78.48	120	0.00	0.00	0	1.86	NSC	0	2000	0	1001
2024	14	1	5	82.4	61.81	120	0.00	0.00	0	2.49	NSC	0	2000	0	1000
2024	14	1	6	84.2	54.8	110	3.45	1.54	0	3.11	NSC	0	2000	0	999
2024	14	1	7	87.8	37.9	360	5.75	2.57	0	3.11	NSC	0	2000	123.72	998
2024	14	1	8	89.6	33.56	10	9.21	4.12	0	3.11	NSC	0	2000	393.66	996
2024	14	1	9	87.8	37.9	330	4.60	2.06	0	3.11	NSC	0	2000	609.74	995
2024	14	1	10	89.6	35.81	70	5.75	2.57	0	3.11	NSC	0	2000	783.04	995
2024	14	1	11	87.8	37.9	20	9.21	4.12	0	3.11	NSC	0	2000	877	995
2024	14	1	12	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	934.8	995
2024	14	1	13	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	897.27	995
2024	14	1	14	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	818.93	995
2024	14	1	15	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	670.26	995
2024	14	1	16	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	473.62	995
2024	14	1	17	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	219.71	995
2024	14	1	18	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	0	995
2024	14	1	19	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	0	995
2024	14	1	20	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	0	995

2024	14	1	21	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	0	995
2024	14	1	22	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	0	995
2024	14	1	23	86	42.8	20	2.30	1.03	0	3.11	NSC	0	2000	0	995
2024	15	1	0	71.6	83.09	130	2.30	1.03	0	1.24	NSC	0	2000	0	1001
2024	15	1	1	71.6	83.09	130	2.30	1.03	0	1.24	NSC	0	2000	0	1001
2024	15	1	2	71.6	83.09	130	2.30	1.03	0	1.24	NSC	0	2000	0	1001
2024	15	1	3	71.6	83.09	130	2.30	1.03	0	1.24	NSC	0	2000	0	1001
2024	15	1	4	75.2	73.61	130	0.00	0.00	0	1.86	NSC	0	2000	0	1001
2024	15	1	5	80.6	54.3	130	0.00	0.00	0	3.11	NSC	0	2000	0	1001
2024	15	1	6	82.4	48.05	130	5.75	2.57	0	3.11	NSC	0	2000	0	999
2024	15	1	7	87.8	35.53	330	11.51	5.14	0	3.11	NSC	0	2000	123.72	998
2024	15	1	8	87.8	33.29	340	6.90	3.09	0	3.11	NSC	0	2000	393.66	996
2024	15	1	9	87.8	29.18	360	6.90	3.09	0	3.11	NSC	0	2000	609.74	995
2024	15	1	10	91.4	26.05	360	2.30	1.03	0	3.11	NSC	0	2000	783.04	995
2024	15	1	11	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	877	994
2024	15	1	12	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	934.8	994
2024	15	1	13	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	897.27	994
2024	15	1	14	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	818.93	994
2024	15	1	15	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	670.26	994
2024	15	1	16	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	473.62	994
2024	15	1	17	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	219.71	994
2024	15	1	18	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	0	994
2024	15	1	19	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	0	994
2024	15	1	20	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	0	994
2024	15	1	21	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	0	994
2024	15	1	22	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	0	994
2024	15	1	23	87.8	33.29	80	6.90	3.09	0	3.11	NSC	0	2000	0	994
2024	16	1	0	71.6	88.43	360	5.75	2.57	0	1.55	NSC	0	2000	0	1000
2024	16	1	1	71.6	88.43	360	5.75	2.57	0	1.55	NSC	0	2000	0	1000
2024	16	1	2	71.6	88.43	360	5.75	2.57	0	1.55	NSC	0	2000	0	1000
2024	16	1	3	71.6	88.43	360	5.75	2.57	0	1.55	NSC	0	2000	0	1000

2024	16	1	4	75.2	73.61	340	3.45	1.54	0	1.86	NSC	0	2000	0	1000
2024	16	1	5	78.8	61.36	340	3.45	1.54	0	3.11	NSC	0	2000	0	999
2024	16	1	6	82.4	51.21	190	3.45	1.54	0	3.11	NSC	0	2000	0	998
2024	16	1	7	84.2	42.52	120	5.75	2.57	0	3.11	NSC	0	2000	123.72	997
2024	16	1	8	86	40.14	10	5.75	2.57	0	3.11	NSC	0	2000	393.66	995
2024	16	1	9	89.6	29.45	10	2.30	1.03	0	3.11	NSC	0	2000	609.74	994
2024	16	1	10	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	783.04	994
2024	16	1	11	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	877	994
2024	16	1	12	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	934.8	994
2024	16	1	13	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	897.27	994
2024	16	1	14	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	818.93	994
2024	16	1	15	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	670.26	994
2024	16	1	16	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	473.62	994
2024	16	1	17	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	219.71	994
2024	16	1	18	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	0	994
2024	16	1	19	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	0	994
2024	16	1	20	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	0	994
2024	16	1	21	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	0	994
2024	16	1	22	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	0	994
2024	16	1	23	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	0	994
2024	17	1	0	71.6	83.09	30	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	17	1	1	71.6	83.09	30	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	17	1	2	71.6	83.09	30	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	17	1	3	71.6	83.09	30	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	17	1	4	77	61.13	30	0.00	0.00	0	3.11	NSC	0	2000	0	999
2024	17	1	5	80.6	54.3	30	0.00	0.00	0	3.11	NSC	0	2000	0	998
2024	17	1	6	82.4	54.55	30	2.30	1.03	0	3.11	NSC	0	2000	0	997
2024	17	1	7	84.2	45.34	80	4.60	2.06	0	3.11	FEW	1	2000	123.72	996
2024	17	1	8	86	40.14	140	4.60	2.06	0	3.11	FEW	1	2000	393.66	995
2024	17	1	9	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	609.74	994
2024	17	1	10	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	783.04	994

2024	17	1	11	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	877	994
2024	17	1	12	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	934.8	994
2024	17	1	13	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	897.27	994
2024	17	1	14	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	818.93	994
2024	17	1	15	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	670.26	994
2024	17	1	16	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	473.62	994
2024	17	1	17	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	219.71	994
2024	17	1	18	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	0	994
2024	17	1	19	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	0	994
2024	17	1	20	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	0	994
2024	17	1	21	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	0	994
2024	17	1	22	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	0	994
2024	17	1	23	87.8	37.9	140	2.30	1.03	0	3.11	FEW	1	2000	0	994
2024	18	1	0	71.6	78.04	60	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2024	18	1	1	71.6	78.04	60	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2024	18	1	2	71.6	78.04	60	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2024	18	1	3	71.6	78.04	60	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2024	18	1	4	75.2	73.61	270	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2024	18	1	5	77	65.12	190	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2024	18	1	6	80.6	54.3	50	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	18	1	7	84.2	42.52	50	4.60	2.06	0	3.11	SCT	4	2000	123.72	997
2024	18	1	8	86	40.14	240	3.45	1.54	0	3.73	SCT	4	2000	393.66	996
2024	18	1	9	87.8	37.9	140	3.45	1.54	0	3.73	SCT	4	2000	609.74	994
2024	18	1	10	87.8	37.9	150	4.60	2.06	0	3.73	SCT	4	2000	783.04	994
2024	18	1	11	87.8	37.9	180	5.75	2.57	0	4.35	SCT	4	2000	877	994
2024	18	1	12	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	934.8	994
2024	18	1	13	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	897.27	994
2024	18	1	14	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	818.93	994
2024	18	1	15	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	670.26	994
2024	18	1	16	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	473.62	994
2024	18	1	17	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	219.71	994

2024	18	1	18	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	0	994
2024	18	1	19	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	0	994
2024	18	1	20	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	0	994
2024	18	1	21	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	0	994
2024	18	1	22	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	0	994
2024	18	1	23	86	40.14	160	4.60	2.06	0	4.35	SCT	4	2000	0	994
2024	19	1	0	75.2	83.32	20	4.60	2.06	0	2.49	SCT	4	2000	0	999
2024	19	1	1	75.2	83.32	20	4.60	2.06	0	2.49	SCT	4	2000	0	999
2024	19	1	2	75.2	83.32	20	4.60	2.06	0	2.49	SCT	4	2000	0	999
2024	19	1	3	75.2	83.32	20	4.60	2.06	0	2.49	SCT	4	2000	0	999
2024	19	1	4	77	78.48	60	3.45	1.54	0	2.49	SCT	4	2000	0	1000
2024	19	1	5	82.4	61.81	130	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	19	1	6	84.2	51.47	80	4.60	2.06	0	3.73	FEW	1	2000	0	998
2024	19	1	7	87.8	43.07	60	4.60	2.06	0	3.73	FEW	1	2000	123.72	997
2024	19	1	8	89.6	38.18	90	4.60	2.06	0	3.73	FEW	1	2000	393.66	996
2024	19	1	9	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	609.74	995
2024	19	1	10	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	783.04	995
2024	19	1	11	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	877	995
2024	19	1	12	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	934.8	995
2024	19	1	13	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	897.27	995
2024	19	1	14	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	818.93	995
2024	19	1	15	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	670.26	995
2024	19	1	16	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	473.62	995
2024	19	1	17	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	219.71	995
2024	19	1	18	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	0	995
2024	19	1	19	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	0	995
2024	19	1	20	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	0	995
2024	19	1	21	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	0	995
2024	19	1	22	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	0	995
2024	19	1	23	89.6	35.81	140	5.75	2.57	0	3.73	FEW	1	2000	0	995
2024	20	1	0	75.2	83.32	140	2.30	1.03	0	3.11	FEW	1	2000	0	1001

2024	20	1	1	75.2	83.32	140	2.30	1.03	0	3.11	FEW	1	2000	0	1001
2024	20	1	2	75.2	83.32	140	2.30	1.03	0	3.11	FEW	1	2000	0	1001
2024	20	1	3	75.2	83.32	140	2.30	1.03	0	3.11	FEW	1	2000	0	1001
2024	20	1	4	75.2	78.34	140	2.30	1.03	0	3.11	FEW	1	2000	0	1001
2024	20	1	5	77	73.78	140	2.30	1.03	0	3.11	SCT	4	2000	0	1001
2024	20	1	6	82.4	54.55	200	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	20	1	7	84.2	48.32	200	2.30	1.03	0	3.11	SCT	4	2000	123.72	999
2024	20	1	8	84.2	45.34	200	2.30	1.03	0	3.11	SCT	4	2000	393.66	998
2024	20	1	9	86	40.14	320	3.45	1.54	0	3.11	SCT	4	2000	609.74	997
2024	20	1	10	86	40.14	320	2.30	1.03	0	3.11	FEW	1	2000	783.04	996
2024	20	1	11	86	40.14	180	4.60	2.06	0	3.11	FEW	1	2000	877	996
2024	20	1	12	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	934.8	996
2024	20	1	13	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	897.27	996
2024	20	1	14	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	818.93	996
2024	20	1	15	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	670.26	996
2024	20	1	16	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	473.62	996
2024	20	1	17	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	219.71	996
2024	20	1	18	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	0	996
2024	20	1	19	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	0	996
2024	20	1	20	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	0	996
2024	20	1	21	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	0	996
2024	20	1	22	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	0	996
2024	20	1	23	86	40.14	150	3.45	1.54	0	3.11	FEW	1	2000	0	996
2024	21	1	0	73.4	83.21	150	3.45	1.54	0	3.11	NSC	0	2000	0	1001
2024	21	1	1	73.4	83.21	150	3.45	1.54	0	3.11	NSC	0	2000	0	1001
2024	21	1	2	73.4	83.21	150	3.45	1.54	0	3.11	NSC	0	2000	0	1001
2024	21	1	3	73.4	83.21	150	3.45	1.54	0	3.11	NSC	0	2000	0	1001
2024	21	1	4	77	73.78	320	3.45	1.54	0	3.11	NSC	0	2000	0	1001
2024	21	1	5	80.6	61.58	320	3.45	1.54	0	3.11	NSC	0	2000	0	1001
2024	21	1	6	84.2	51.47	320	2.30	1.03	0	3.11	NSC	0	2000	0	1000
2024	21	1	7	86	45.61	130	6.90	3.09	0	3.11	FEW	1	2000	123.72	998

2024	21	1	8	87.8	43.07	160	3.45	1.54	0	3.11	FEW	1	2000	393.66	997
2024	21	1	9	89.6	38.18	160	2.30	1.03	0	3.73	FEW	1	2000	609.74	995
2024	21	1	10	91.4	33.84	160	2.30	1.03	0	3.73	FEW	1	2000	783.04	995
2024	21	1	11	91.4	33.84	180	3.45	1.54	0	3.73	FEW	1	2000	877	995
2024	21	1	12	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	934.8	995
2024	21	1	13	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	897.27	995
2024	21	1	14	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	818.93	995
2024	21	1	15	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	670.26	995
2024	21	1	16	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	473.62	995
2024	21	1	17	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	219.71	995
2024	21	1	18	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	0	995
2024	21	1	19	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	0	995
2024	21	1	20	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	0	995
2024	21	1	21	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	0	995
2024	21	1	22	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	0	995
2024	21	1	23	87.8	40.41	100	6.90	3.09	0	3.73	SCT	4	2000	0	995
2024	22	1	0	75.2	73.61	140	6.90	3.09	0	3.11	NSC	0	2000	0	1002
2024	22	1	1	75.2	73.61	140	6.90	3.09	0	3.11	NSC	0	2000	0	1002
2024	22	1	2	75.2	73.61	140	6.90	3.09	0	3.11	NSC	0	2000	0	1002
2024	22	1	3	75.2	73.61	140	6.90	3.09	0	3.11	NSC	0	2000	0	1002
2024	22	1	4	77	69.33	140	2.30	1.03	0	3.11	NSC	0	2000	0	1002
2024	22	1	5	80.6	61.58	140	3.45	1.54	0	3.11	NSC	0	2000	0	1002
2024	22	1	6	80.6	61.58	140	3.45	1.54	0	3.11	NSC	0	2000	0	1002
2024	22	1	7	87.8	31.17	170	4.60	2.06	0	3.11	NSC	0	2000	123.72	1000
2024	22	1	8	89.6	25.79	100	4.60	2.06	0	3.11	NSC	0	2000	393.66	998
2024	22	1	9	89.6	27.56	210	3.45	1.54	0	3.73	NSC	0	2000	609.74	997
2024	22	1	10	89.6	27.56	120	4.60	2.06	0	3.73	NSC	0	2000	783.04	997
2024	22	1	11	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	877	997
2024	22	1	12	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	934.8	997
2024	22	1	13	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	897.27	997
2024	22	1	14	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	818.93	997

2024	22	1	15	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	670.26	997
2024	22	1	16	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	473.62	997
2024	22	1	17	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	219.71	997
2024	22	1	18	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	0	997
2024	22	1	19	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	0	997
2024	22	1	20	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	0	997
2024	22	1	21	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	0	997
2024	22	1	22	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	0	997
2024	22	1	23	87.8	37.9	100	8.06	3.60	0	3.73	FEW	1	2000	0	997
2024	23	1	0	73.4	64.69	40	3.45	1.54	0	3.11	SCT	4	2000	0	1002
2024	23	1	1	73.4	64.69	40	3.45	1.54	0	3.11	SCT	4	2000	0	1002
2024	23	1	2	73.4	64.69	40	3.45	1.54	0	3.11	SCT	4	2000	0	1002
2024	23	1	3	73.4	64.69	40	3.45	1.54	0	3.11	SCT	4	2000	0	1002
2024	23	1	4	77	61.13	180	3.45	1.54	0	3.11	SCT	4	2000	0	1002
2024	23	1	5	78.8	57.6	240	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	23	1	6	82.4	45.07	230	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	23	1	7	84.2	42.52	110	3.45	1.54	0	3.73	FEW	1	2000	123.72	999
2024	23	1	8	87.8	31.17	220	4.60	2.06	0	3.73	FEW	1	2000	393.66	998
2024	23	1	9	87.8	33.29	190	4.60	2.06	0	3.73	FEW	1	2000	609.74	996
2024	23	1	10	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	783.04	996
2024	23	1	11	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	877	996
2024	23	1	12	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	934.8	996
2024	23	1	13	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	897.27	996
2024	23	1	14	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	818.93	996
2024	23	1	15	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	670.26	996
2024	23	1	16	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	473.62	996
2024	23	1	17	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	219.71	996
2024	23	1	18	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	0	996
2024	23	1	19	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	0	996
2024	23	1	20	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	0	996
2024	23	1	21	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	0	996

2024	23	1	22	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	0	996
2024	23	1	23	87.8	35.53	160	4.60	2.06	0	3.73	FEW	1	2000	0	996
2024	24	1	0	73.4	83.21	80	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	24	1	1	73.4	83.21	80	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	24	1	2	73.4	83.21	80	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	24	1	3	73.4	83.21	80	3.45	1.54	0	2.49	SCT	4	2000	0	1001
2024	24	1	4	77	73.78	130	3.45	1.54	0	2.49	FEW	1	2000	0	1002
2024	24	1	5	78.8	61.36	160	6.90	3.09	0	3.11	FEW	1	2000	0	1001
2024	24	1	6	84.2	39.86	160	4.60	2.06	0	3.73	FEW	1	2000	0	1000
2024	24	1	7	87.8	31.17	170	4.60	2.06	0	3.73	FEW	1	2000	123.72	999
2024	24	1	8	87.8	35.53	120	5.75	2.57	0	4.35	FEW	1	2000	393.66	997
2024	24	1	9	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	609.74	996
2024	24	1	10	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	783.04	996
2024	24	1	11	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	877	996
2024	24	1	12	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	934.8	996
2024	24	1	13	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	897.27	996
2024	24	1	14	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	818.93	996
2024	24	1	15	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	670.26	996
2024	24	1	16	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	473.62	996
2024	24	1	17	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	219.71	996
2024	24	1	18	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	0	996
2024	24	1	19	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	0	996
2024	24	1	20	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	0	996
2024	24	1	21	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	0	996
2024	24	1	22	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	0	996
2024	24	1	23	87.8	35.53	160	4.60	2.06	0	4.35	FEW	1	2000	0	996
2024	25	1	0	73.4	78.19	160	4.60	2.06	0	2.49	SCT	4	2000	0	1001
2024	25	1	1	73.4	78.19	160	4.60	2.06	0	2.49	SCT	4	2000	0	1001
2024	25	1	2	73.4	78.19	160	4.60	2.06	0	2.49	SCT	4	2000	0	1001
2024	25	1	3	73.4	78.19	160	4.60	2.06	0	2.49	SCT	4	2000	0	1001
2024	25	1	4	77	65.12	150	3.45	1.54	0	3.11	SCT	4	2000	0	1002

2024	25	1	5	80.6	54.3	90	3.45	1.54	0	3.11	SCT	4	2000	0	1002
2024	25	1	6	82.4	48.05	120	4.60	2.06	0	3.11	FEW	1	2000	0	1001
2024	25	1	7	86	45.61	120	6.90	3.09	0	3.11	FEW	1	2000	123.72	999
2024	25	1	8	86	40.14	120	3.45	1.54	0	3.73	FEW	1	2000	393.66	998
2024	25	1	9	87.8	37.9	120	6.90	3.09	0	3.73	SCT	4	2000	609.74	997
2024	25	1	10	87.8	35.53	180	6.90	3.09	0	3.73	SCT	4	2000	783.04	996
2024	25	1	11	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	877	997
2024	25	1	12	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	934.8	997
2024	25	1	13	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	897.27	997
2024	25	1	14	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	818.93	997
2024	25	1	15	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	670.26	997
2024	25	1	16	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	473.62	997
2024	25	1	17	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	219.71	997
2024	25	1	18	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	0	997
2024	25	1	19	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	0	997
2024	25	1	20	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	0	997
2024	25	1	21	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	0	997
2024	25	1	22	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	0	997
2024	25	1	23	87.8	35.53	240	3.45	1.54	0	3.73	SCT	4	2000	0	997
2024	26	1	0	73.4	78.19	320	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	26	1	1	73.4	78.19	320	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	26	1	2	73.4	78.19	320	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	26	1	3	73.4	78.19	320	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	26	1	4	75.2	73.61	10	3.45	1.54	0	2.49	FEW	1	2000	0	1004
2024	26	1	5	80.6	54.3	290	3.45	1.54	0	3.11	FEW	1	2000	0	1003
2024	26	1	6	82.4	42.25	140	5.75	2.57	0	3.11	FEW	1	2000	0	1002
2024	26	1	7	86	35.25	150	4.60	2.06	0	3.73	FEW	1	2000	123.72	1001
2024	26	1	8	87.8	29.18	40	3.45	1.54	0	4.35	FEW	1	2000	393.66	1000
2024	26	1	9	89.6	25.79	70	3.45	1.54	0	4.35	FEW	1	2000	609.74	999
2024	26	1	10	89.6	25.79	110	4.60	2.06	0	4.35	FEW	1	2000	783.04	998
2024	26	1	11	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	877	998

2024	26	1	12	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	934.8	998
2024	26	1	13	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	897.27	998
2024	26	1	14	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	818.93	998
2024	26	1	15	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	670.26	998
2024	26	1	16	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	473.62	998
2024	26	1	17	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	219.71	998
2024	26	1	18	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	0	998
2024	26	1	19	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	0	998
2024	26	1	20	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	0	998
2024	26	1	21	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	0	998
2024	26	1	22	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	0	998
2024	26	1	23	89.6	29.45	90	4.60	2.06	0	4.35	FEW	1	2000	0	998
2024	27	1	0	71.6	88.43	40	4.60	2.06	0	2.49	FEW	1	2000	0	1003
2024	27	1	1	71.6	88.43	40	4.60	2.06	0	2.49	FEW	1	2000	0	1003
2024	27	1	2	71.6	88.43	40	4.60	2.06	0	2.49	FEW	1	2000	0	1003
2024	27	1	3	71.6	88.43	40	4.60	2.06	0	2.49	FEW	1	2000	0	1003
2024	27	1	4	77	69.33	10	5.75	2.57	0	3.11	FEW	1	2000	0	1004
2024	27	1	5	78.8	65.33	10	5.75	2.57	0	3.11	SCT	4	2000	0	1003
2024	27	1	6	80.6	54.3	70	4.60	2.06	0	3.11	SCT	4	2000	0	1002
2024	27	1	7	82.4	51.21	120	3.45	1.54	0	3.11	SCT	4	2000	123.72	1001
2024	27	1	8	84.2	48.32	110	6.90	3.09	0	3.11	SCT	4	2000	393.66	1000
2024	27	1	9	86	42.8	110	2.30	1.03	0	3.73	SCT	4	2000	609.74	999
2024	27	1	10	86	42.8	110	2.30	1.03	0	3.73	SCT	4	2000	783.04	998
2024	27	1	11	86	40.14	110	2.30	1.03	0	3.73	SCT	4	2000	877	998
2024	27	1	12	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	934.8	998
2024	27	1	13	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	897.27	998
2024	27	1	14	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	818.93	998
2024	27	1	15	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	670.26	998
2024	27	1	16	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	473.62	998
2024	27	1	17	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	219.71	998
2024	27	1	18	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	0	998

2024	27	1	19	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	0	998
2024	27	1	20	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	0	998
2024	27	1	21	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	0	998
2024	27	1	22	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	0	998
2024	27	1	23	84.2	45.34	30	9.21	4.12	0	3.73	SCT	4	2000	0	998
2024	28	1	0	75.2	78.34	30	9.21	4.12	0	3.11	SCT	4	2000	0	1003
2024	28	1	1	75.2	78.34	30	9.21	4.12	0	3.11	SCT	4	2000	0	1003
2024	28	1	2	75.2	78.34	30	9.21	4.12	0	3.11	SCT	4	2000	0	1003
2024	28	1	3	75.2	78.34	30	9.21	4.12	0	3.11	SCT	4	2000	0	1003
2024	28	1	4	78.8	69.52	30	9.21	4.12	0	3.11	SCT	4	2000	0	1003
2024	28	1	5	80.6	61.58	160	3.45	1.54	0	3.11	SCT	4	2000	0	1003
2024	28	1	6	80.6	61.58	350	6.90	3.09	0	3.11	FEW	1	1200	0	1002
2024	28	1	7	84.2	54.8	350	2.30	1.03	0	3.11	SCT	4	2000	123.72	1001
2024	28	1	8	86	48.58	350	2.30	1.03	0	3.11	SCT	4	2000	393.66	999
2024	28	1	9	87.8	40.41	350	2.30	1.03	0	3.73	SCT	4	2000	609.74	998
2024	28	1	10	87.8	40.41	350	2.30	1.03	0	3.73	SCT	4	2000	783.04	997
2024	28	1	11	87.8	37.9	350	2.30	1.03	0	4.35	SCT	4	2000	877	997
2024	28	1	12	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	934.8	998
2024	28	1	13	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	897.27	998
2024	28	1	14	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	818.93	998
2024	28	1	15	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	670.26	998
2024	28	1	16	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	473.62	998
2024	28	1	17	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	219.71	998
2024	28	1	18	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	0	998
2024	28	1	19	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	0	998
2024	28	1	20	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	0	998
2024	28	1	21	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	0	998
2024	28	1	22	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	0	998
2024	28	1	23	86	42.8	40	5.75	2.57	0	4.35	SCT	4	2000	0	998
2024	29	1	0	73.4	83.21	10	3.45	1.54	0	2.49	SCT	4	2000	0	1002
2024	29	1	1	73.4	83.21	10	3.45	1.54	0	2.49	SCT	4	2000	0	1002

2024	29	1	2	73.4	83.21	10	3.45	1.54	0	2.49	SCT	4	2000	0	1002
2024	29	1	3	73.4	83.21	10	3.45	1.54	0	2.49	SCT	4	2000	0	1002
2024	29	1	4	77	69.33	120	5.75	2.57	0	2.49	SCT	4	2000	0	1003
2024	29	1	5	78.8	65.33	120	5.75	2.57	0	3.11	SCT	4	2000	0	1002
2024	29	1	6	82.4	51.21	70	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	29	1	7	84.2	45.34	140	4.60	2.06	0	3.11	SCT	4	2000	123.72	1000
2024	29	1	8	86	42.8	320	3.45	1.54	0	3.11	SCT	4	2000	393.66	999
2024	29	1	9	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	609.74	997
2024	29	1	10	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	783.04	997
2024	29	1	11	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	877	997
2024	29	1	12	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	934.8	997
2024	29	1	13	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	897.27	997
2024	29	1	14	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	818.93	997
2024	29	1	15	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	670.26	997
2024	29	1	16	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	473.62	997
2024	29	1	17	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	219.71	997
2024	29	1	18	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	29	1	19	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	29	1	20	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	29	1	21	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	29	1	22	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	29	1	23	87.8	37.9	190	4.60	2.06	0	3.11	SCT	4	2000	0	997
2024	30	1	0	71.6	78.04	330	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2024	30	1	1	71.6	78.04	330	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2024	30	1	2	71.6	78.04	330	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2024	30	1	3	71.6	78.04	330	3.45	1.54	0	1.86	SCT	4	2000	0	1001
2024	30	1	4	75.2	69.14	330	3.45	1.54	0	1.86	SCT	4	2000	0	1002
2024	30	1	5	78.8	57.6	40	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	30	1	6	82.4	48.05	260	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	30	1	7	86	42.8	280	3.45	1.54	0	3.11	FEW	1	2000	123.72	999
2024	30	1	8	87.8	35.53	160	5.75	2.57	0	3.11	FEW	1	2000	393.66	997

2024	30	1	9	89.6	27.56	50	3.45	1.54	0	3.11	SCT	4	2000	609.74	996
2024	30	1	10	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	783.04	995
2024	30	1	11	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	877	995
2024	30	1	12	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	934.8	995
2024	30	1	13	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	897.27	995
2024	30	1	14	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	818.93	995
2024	30	1	15	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	670.26	995
2024	30	1	16	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	473.62	995
2024	30	1	17	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	219.71	995
2024	30	1	18	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	30	1	19	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	30	1	20	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	30	1	21	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	30	1	22	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	30	1	23	91.4	29.72	220	6.90	3.09	0	3.11	SCT	4	2000	0	995
2024	31	1	0	73.4	88.51	240	3.45	1.54	0	1.86	FEW	1	2000	0	1001
2024	31	1	1	73.4	88.51	240	3.45	1.54	0	1.86	FEW	1	2000	0	1001
2024	31	1	2	73.4	88.51	240	3.45	1.54	0	1.86	FEW	1	2000	0	1001
2024	31	1	3	73.4	88.51	240	3.45	1.54	0	1.86	FEW	1	2000	0	1001
2024	31	1	4	77	78.48	210	3.45	1.54	0	1.86	FEW	1	2000	0	1002
2024	31	1	5	80.6	65.54	170	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	31	1	6	82.4	58.08	170	6.90	3.09	0	3.11	FEW	1	2000	0	1000
2024	31	1	7	86	51.72	250	4.60	2.06	0	3.11	FEW	1	2000	123.72	999
2024	31	1	8	87.8	45.88	170	5.75	2.57	0	3.11	FEW	1	2000	393.66	998
2024	31	1	9	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	609.74	997
2024	31	1	10	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	783.04	997
2024	31	1	11	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	877	997
2024	31	1	12	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	934.8	997
2024	31	1	13	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	897.27	997
2024	31	1	14	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	818.93	997
2024	31	1	15	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	670.26	997

2024	31	1	16	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	473.62	997
2024	31	1	17	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	219.71	997
2024	31	1	18	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	0	997
2024	31	1	19	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	0	997
2024	31	1	20	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	0	997
2024	31	1	21	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	0	997
2024	31	1	22	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	0	997
2024	31	1	23	89.6	40.69	280	4.60	2.06	0	3.11	FEW	1	2000	0	997
2024	1	2	0	77	83.44	180	2.30	1.03	0	2.49	FEW	1	2000	0	1002
2024	1	2	1	77	83.44	180	2.30	1.03	0	2.49	FEW	1	2000	0	1002
2024	1	2	2	77	83.44	180	2.30	1.03	0	2.49	FEW	1	2000	0	1002
2024	1	2	3	77	83.44	180	2.30	1.03	0	2.49	FEW	1	2000	0	1002
2024	1	2	4	78.8	78.62	180	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	1	2	5	82.4	65.74	40	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	1	2	6	84.2	62.03	150	4.60	2.06	0	3.11	SCT	4	2000	0	1001
2024	1	2	7	87.8	48.84	150	2.30	1.03	0	3.11	SCT	4	2000	122.97	999
2024	1	2	8	89.6	43.34	160	4.60	2.06	0	3.11	SCT	4	2000	382.43	998
2024	1	2	9	91.4	38.45	150	3.45	1.54	0	3.11	SCT	4	2000	616.64	997
2024	1	2	10	93.2	31.99	190	4.60	2.06	0	3.11	SCT	4	2000	814.13	996
2024	1	2	11	91.4	31.72	200	3.45	1.54	0	3.11	SCT	4	2000	952.08	995
2024	1	2	12	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	1005.96	996
2024	1	2	13	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	980.34	996
2024	1	2	14	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	887.33	996
2024	1	2	15	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	735.83	996
2024	1	2	16	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	520.9	996
2024	1	2	17	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	271.02	996
2024	1	2	18	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	1	2	19	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	1	2	20	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	1	2	21	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	1	2	22	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	0	996

2024	1	2	23	91.4	31.72	180	4.60	2.06	0	3.11	SCT	4	2000	0	996
2024	2	2	0	77	83.44	190	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	2	2	1	77	83.44	190	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	2	2	2	77	83.44	190	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	2	2	3	77	83.44	190	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	2	2	4	80.6	74.11	120	3.45	1.54	0	3.11	SCT	4	2000	0	1002
2024	2	2	5	82.4	69.9	40	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	2	2	6	84.2	62.03	170	4.60	2.06	0	3.11	SCT	4	2000	0	1000
2024	2	2	7	87.8	51.98	180	6.90	3.09	0	3.11	SCT	4	2000	122.97	999
2024	2	2	8	87.8	51.98	160	5.75	2.57	0	3.11	SCT	4	2000	382.43	998
2024	2	2	9	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	616.64	997
2024	2	2	10	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	814.13	997
2024	2	2	11	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	952.08	997
2024	2	2	12	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	1005.96	997
2024	2	2	13	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	980.34	997
2024	2	2	14	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	887.33	997
2024	2	2	15	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	735.83	997
2024	2	2	16	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	520.9	997
2024	2	2	17	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	271.02	997
2024	2	2	18	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	0	997
2024	2	2	19	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	0	997
2024	2	2	20	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	0	997
2024	2	2	21	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	0	997
2024	2	2	22	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	0	997
2024	2	2	23	89.6	46.14	180	5.75	2.57	0	3.11	SCT	4	2000	0	997
2024	3	2	0	77	88.67	160	2.30	1.03	0	2.49	FEW	1	2000	0	1001
2024	3	2	1	77	88.67	160	2.30	1.03	0	2.49	FEW	1	2000	0	1001
2024	3	2	2	77	88.67	160	2.30	1.03	0	2.49	FEW	1	2000	0	1001
2024	3	2	3	77	88.67	160	2.30	1.03	0	2.49	FEW	1	2000	0	1001
2024	3	2	4	78.8	78.62	160	3.45	1.54	0	2.8	SCT	4	2000	0	1002
2024	3	2	5	82.4	65.74	150	3.45	1.54	0	3.11	SCT	4	2000	0	1002

2024	3	2	6	84.2	58.32	160	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	3	2	7	87.8	48.84	160	2.30	1.03	0	3.11	SCT	4	2000	122.97	999
2024	3	2	8	89.6	40.69	70	5.75	2.57	0	3.11	SCT	4	2000	382.43	998
2024	3	2	9	89.6	40.69	70	2.30	1.03	0	3.11	SCT	4	2000	616.64	997
2024	3	2	10	91.4	38.45	70	2.30	1.03	0	3.11	SCT	4	2000	814.13	996
2024	3	2	11	91.4	38.45	120	4.60	2.06	0	3.11	SCT	4	2000	952.08	996
2024	3	2	12	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	1005.96	996
2024	3	2	13	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	980.34	996
2024	3	2	14	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	887.33	996
2024	3	2	15	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	735.83	996
2024	3	2	16	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	520.9	996
2024	3	2	17	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	271.02	996
2024	3	2	18	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	3	2	19	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	3	2	20	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	3	2	21	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	3	2	22	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	3	2	23	89.6	40.69	110	5.75	2.57	0	3.11	SCT	4	2000	0	996
2024	4	2	0	75.2	78.34	100	2.30	1.03	0	3.11	NSC	0	2000	0	1003
2024	4	2	1	75.2	78.34	100	2.30	1.03	0	3.11	NSC	0	2000	0	1003
2024	4	2	2	75.2	78.34	100	2.30	1.03	0	3.11	NSC	0	2000	0	1003
2024	4	2	3	75.2	78.34	100	2.30	1.03	0	3.11	NSC	0	2000	0	1003
2024	4	2	4	80.6	65.54	100	0.00	0.00	0	3.11	NSC	0	2000	0	1004
2024	4	2	5	80.6	61.58	100	2.30	1.03	0	3.11	NSC	0	2000	0	1004
2024	4	2	6	84.2	51.47	100	2.30	1.03	0	3.11	NSC	0	2000	0	1002
2024	4	2	7	86	42.8	100	4.60	2.06	0	3.11	NSC	0	2000	122.97	1001
2024	4	2	8	89.6	35.81	160	3.45	1.54	0	3.11	FEW	1	2000	382.43	1000
2024	4	2	9	91.4	31.72	160	2.30	1.03	0	3.73	SCT	4	2000	616.64	999
2024	4	2	10	91.4	29.72	180	6.90	3.09	0	4.35	SCT	4	2000	814.13	998
2024	4	2	11	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	952.08	998
2024	4	2	12	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	1005.96	998

2024	4	2	13	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	980.34	998
2024	4	2	14	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	887.33	998
2024	4	2	15	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	735.83	998
2024	4	2	16	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	520.9	998
2024	4	2	17	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	271.02	998
2024	4	2	18	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	0	998
2024	4	2	19	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	0	998
2024	4	2	20	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	0	998
2024	4	2	21	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	0	998
2024	4	2	22	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	0	998
2024	4	2	23	89.6	33.56	150	3.45	1.54	0	4.35	SCT	4	2000	0	998
2024	5	2	0	71.6	78.04	210	2.30	1.03	0	1.86	NSC	0	2000	0	1003
2024	5	2	1	71.6	78.04	210	2.30	1.03	0	1.86	NSC	0	2000	0	1003
2024	5	2	2	71.6	78.04	210	2.30	1.03	0	1.86	NSC	0	2000	0	1003
2024	5	2	3	71.6	78.04	210	2.30	1.03	0	1.86	NSC	0	2000	0	1003
2024	5	2	4	75.2	73.61	210	2.30	1.03	0	2.49	NSC	0	2000	0	1004
2024	5	2	5	78.8	61.36	210	2.30	1.03	0	3.11	NSC	0	2000	0	1004
2024	5	2	6	82.4	45.07	210	3.45	1.54	0	3.11	NSC	0	2000	0	1003
2024	5	2	7	86	40.14	180	6.90	3.09	0	3.11	NSC	0	2000	122.97	1001
2024	5	2	8	87.8	33.29	140	4.60	2.06	0	3.11	NSC	0	2000	382.43	1000
2024	5	2	9	89.6	31.45	160	5.75	2.57	0	3.11	NSC	0	2000	616.64	999
2024	5	2	10	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	814.13	998
2024	5	2	11	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	952.08	998
2024	5	2	12	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	1005.96	998
2024	5	2	13	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	980.34	998
2024	5	2	14	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	887.33	998
2024	5	2	15	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	735.83	998
2024	5	2	16	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	520.9	998
2024	5	2	17	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	271.02	998
2024	5	2	18	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	0	998
2024	5	2	19	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	0	998

2024	5	2	20	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	0	998
2024	5	2	21	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	0	998
2024	5	2	22	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	0	998
2024	5	2	23	91.4	31.72	200	6.90	3.09	0	3.11	NSC	0	2000	0	998
2024	6	2	0	73.4	78.19	30	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	6	2	1	73.4	78.19	30	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	6	2	2	73.4	78.19	30	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	6	2	3	73.4	78.19	30	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	6	2	4	77	65.12	210	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	6	2	5	80.6	57.84	180	3.45	1.54	0	3.11	FEW	1	2000	0	1003
2024	6	2	6	84.2	45.34	290	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	6	2	7	86	42.8	180	6.90	3.09	0	3.11	FEW	1	2000	122.97	1001
2024	6	2	8	87.8	37.9	110	4.60	2.06	0	3.11	FEW	1	2000	382.43	999
2024	6	2	9	89.6	35.81	120	4.60	2.06	0	3.11	NSC	0	2000	616.64	998
2024	6	2	10	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	814.13	997
2024	6	2	11	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	952.08	997
2024	6	2	12	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	1005.96	997
2024	6	2	13	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	980.34	997
2024	6	2	14	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	887.33	997
2024	6	2	15	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	735.83	997
2024	6	2	16	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	520.9	997
2024	6	2	17	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	271.02	997
2024	6	2	18	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	0	997
2024	6	2	19	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	0	997
2024	6	2	20	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	0	997
2024	6	2	21	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	0	997
2024	6	2	22	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	0	997
2024	6	2	23	91.4	31.72	120	2.30	1.03	0	3.11	NSC	0	2000	0	997
2024	7	2	0	73.4	83.21	30	3.45	1.54	0	2.49	FEW	1	2000	0	1002
2024	7	2	1	73.4	83.21	30	3.45	1.54	0	2.49	FEW	1	2000	0	1002
2024	7	2	2	73.4	83.21	30	3.45	1.54	0	2.49	FEW	1	2000	0	1002

2024	7	2	3	73.4	83.21	30	3.45	1.54	0	2.49	FEW	1	2000	0	1002
2024	7	2	4	78.8	65.33	100	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	7	2	5	82.4	54.55	80	4.60	2.06	0	3.11	FEW	1	2000	0	1002
2024	7	2	6	86	42.8	140	4.60	2.06	0	3.11	FEW	1	2000	0	1002
2024	7	2	7	89.6	31.45	160	3.45	1.54	0	3.11	NSC	0	2000	122.97	1000
2024	7	2	8	91.4	26.05	130	5.75	2.57	0	3.11	NSC	0	2000	382.43	999
2024	7	2	9	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	616.64	998
2024	7	2	10	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	814.13	998
2024	7	2	11	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	952.08	998
2024	7	2	12	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	1005.96	998
2024	7	2	13	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	980.34	998
2024	7	2	14	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	887.33	998
2024	7	2	15	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	735.83	998
2024	7	2	16	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	520.9	998
2024	7	2	17	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	271.02	998
2024	7	2	18	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	0	998
2024	7	2	19	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	0	998
2024	7	2	20	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	0	998
2024	7	2	21	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	0	998
2024	7	2	22	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	0	998
2024	7	2	23	93.2	24.63	140	5.75	2.57	0	3.11	NSC	0	2000	0	998
2024	8	2	0	75.2	64.91	150	2.30	1.03	0	2.49	NSC	0	2000	0	1001
2024	8	2	1	75.2	64.91	150	2.30	1.03	0	2.49	NSC	0	2000	0	1001
2024	8	2	2	75.2	64.91	150	2.30	1.03	0	2.49	NSC	0	2000	0	1001
2024	8	2	3	75.2	64.91	150	2.30	1.03	0	2.49	NSC	0	2000	0	1001
2024	8	2	4	80.6	50.95	150	2.30	1.03	0	2.8	NSC	0	2000	0	1001
2024	8	2	5	84.2	42.52	150	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	8	2	6	87.8	33.29	150	2.30	1.03	0	3.73	FEW	1	2000	0	1000
2024	8	2	7	91.4	26.05	150	6.90	3.09	0	3.73	FEW	1	2000	122.97	999
2024	8	2	8	93.2	23.04	100	5.75	2.57	0	3.73	FEW	1	2000	382.43	997
2024	8	2	9	95	20.38	110	3.45	1.54	0	3.73	FEW	1	2000	616.64	996

2024	8	2	10	96.8	16.83	170	5.75	2.57	0	4.97	FEW	1	2000	814.13	996
2024	8	2	11	95	19.04	100	6.90	3.09	0	4.97	FEW	1	2000	952.08	995
2024	8	2	12	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	1005.96	996
2024	8	2	13	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	980.34	996
2024	8	2	14	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	887.33	996
2024	8	2	15	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	735.83	996
2024	8	2	16	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	520.9	996
2024	8	2	17	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	271.02	996
2024	8	2	18	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	0	996
2024	8	2	19	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	0	996
2024	8	2	20	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	0	996
2024	8	2	21	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	0	996
2024	8	2	22	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	0	996
2024	8	2	23	91.4	24.37	90	5.75	2.57	0	4.97	FEW	1	2000	0	996
2024	9	2	0	75.2	60.9	60	3.45	1.54	0	2.49	FEW	1	2000	0	1001
2024	9	2	1	75.2	60.9	60	3.45	1.54	0	2.49	FEW	1	2000	0	1001
2024	9	2	2	75.2	60.9	60	3.45	1.54	0	2.49	FEW	1	2000	0	1001
2024	9	2	3	75.2	60.9	60	3.45	1.54	0	2.49	FEW	1	2000	0	1001
2024	9	2	4	78.8	50.69	200	3.45	1.54	0	2.49	FEW	1	2000	0	1002
2024	9	2	5	84.2	37.35	170	4.60	2.06	0	3.11	FEW	1	2000	0	1002
2024	9	2	6	87.8	25.52	100	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	9	2	7	89.6	22.53	90	3.45	1.54	0	3.73	FEW	1	2000	122.97	999
2024	9	2	8	91.4	22.78	100	4.60	2.06	0	4.35	FEW	1	2000	382.43	998
2024	9	2	9	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	616.64	997
2024	9	2	10	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	814.13	997
2024	9	2	11	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	952.08	997
2024	9	2	12	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	1005.96	997
2024	9	2	13	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	980.34	997
2024	9	2	14	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	887.33	997
2024	9	2	15	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	735.83	997
2024	9	2	16	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	520.9	997

2024	9	2	17	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	271.02	997
2024	9	2	18	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	0	997
2024	9	2	19	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	0	997
2024	9	2	20	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	0	997
2024	9	2	21	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	0	997
2024	9	2	22	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	0	997
2024	9	2	23	93.2	23.04	150	6.90	3.09	0	4.35	FEW	1	2000	0	997
2024	10	2	0	75.2	78.34	330	3.45	1.54	0	3.11	NSC	0	2000	0	1003
2024	10	2	1	75.2	78.34	330	3.45	1.54	0	3.11	NSC	0	2000	0	1003
2024	10	2	2	75.2	78.34	330	3.45	1.54	0	3.11	NSC	0	2000	0	1003
2024	10	2	3	75.2	78.34	330	3.45	1.54	0	3.11	NSC	0	2000	0	1003
2024	10	2	4	78.8	61.36	330	2.30	1.03	0	3.11	NSC	0	2000	0	1003
2024	10	2	5	82.4	54.55	300	3.45	1.54	0	3.11	FEW	1	2000	0	1003
2024	10	2	6	82.4	54.55	190	3.45	1.54	0	3.11	FEW	1	1200	0	1003
2024	10	2	7	86	48.58	110	6.90	3.09	0	3.11	FEW	1	1200	122.97	1001
2024	10	2	8	89.6	40.69	210	3.45	1.54	0	3.11	SCT	4	2000	382.43	1000
2024	10	2	9	89.6	38.18	170	8.06	3.60	0	3.11	SCT	4	2000	616.64	999
2024	10	2	10	89.6	35.81	360	4.60	2.06	0	3.11	SCT	4	2000	814.13	998
2024	10	2	11	89.6	33.56	100	8.06	3.60	0	3.11	SCT	4	2000	952.08	998
2024	10	2	12	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	1005.96	998
2024	10	2	13	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	980.34	998
2024	10	2	14	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	887.33	998
2024	10	2	15	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	735.83	998
2024	10	2	16	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	520.9	998
2024	10	2	17	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	271.02	998
2024	10	2	18	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	0	998
2024	10	2	19	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	0	998
2024	10	2	20	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	0	998
2024	10	2	21	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	0	998
2024	10	2	22	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	0	998
2024	10	2	23	87.8	35.53	90	5.75	2.57	0	3.11	FEW	1	2000	0	998

2024	11	2	0	75.2	78.34	90	5.75	2.57	0	2.49	FEW	1	2000	0	1003
2024	11	2	1	75.2	78.34	90	5.75	2.57	0	2.49	FEW	1	2000	0	1003
2024	11	2	2	75.2	78.34	90	5.75	2.57	0	2.49	FEW	1	2000	0	1003
2024	11	2	3	75.2	78.34	90	5.75	2.57	0	2.49	FEW	1	2000	0	1003
2024	11	2	4	77	69.33	150	3.45	1.54	0	3.11	FEW	1	2000	0	1004
2024	11	2	5	82.4	54.55	340	5.75	2.57	0	3.11	SCT	4	2000	0	1004
2024	11	2	6	84.2	48.32	210	6.90	3.09	0	3.11	SCT	4	2000	0	1003
2024	11	2	7	86	42.8	180	4.60	2.06	0	3.11	SCT	4	2000	122.97	1002
2024	11	2	8	89.6	38.18	290	5.75	2.57	0	3.11	SCT	4	2000	382.43	1001
2024	11	2	9	91.4	33.84	90	4.60	2.06	0	3.73	SCT	4	2000	616.64	999
2024	11	2	10	91.4	31.72	300	4.60	2.06	0	4.35	SCT	4	2000	814.13	998
2024	11	2	11	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	952.08	998
2024	11	2	12	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	1005.96	998
2024	11	2	13	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	980.34	998
2024	11	2	14	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	887.33	998
2024	11	2	15	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	735.83	998
2024	11	2	16	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	520.9	998
2024	11	2	17	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	271.02	998
2024	11	2	18	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	0	998
2024	11	2	19	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	0	998
2024	11	2	20	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	0	998
2024	11	2	21	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	0	998
2024	11	2	22	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	0	998
2024	11	2	23	89.6	33.56	140	4.60	2.06	0	4.97	FEW	1	2000	0	998
2024	12	2	0	71.6	73.27	40	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	12	2	1	71.6	73.27	40	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	12	2	2	71.6	73.27	40	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	12	2	3	71.6	73.27	40	3.45	1.54	0	2.49	FEW	1	2000	0	1003
2024	12	2	4	75.2	64.91	140	4.60	2.06	0	2.49	FEW	1	2000	0	1004
2024	12	2	5	78.8	57.6	270	3.45	1.54	0	3.11	FEW	1	2000	0	1003
2024	12	2	6	82.4	45.07	120	3.45	1.54	0	3.11	FEW	1	2000	0	1003

2024	12	2	7	84.2	45.34	190	5.75	2.57	0	3.11	FEW	1	2000	122.97	1001
2024	12	2	8	86	42.8	230	3.45	1.54	0	3.11	NSC	0	2000	382.43	1000
2024	12	2	9	89.6	35.81	170	4.60	2.06	0	3.73	FEW	1	2000	616.64	998
2024	12	2	10	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	814.13	998
2024	12	2	11	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	952.08	998
2024	12	2	12	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	1005.96	998
2024	12	2	13	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	980.34	998
2024	12	2	14	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	887.33	998
2024	12	2	15	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	735.83	998
2024	12	2	16	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	520.9	998
2024	12	2	17	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	271.02	998
2024	12	2	18	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	0	998
2024	12	2	19	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	0	998
2024	12	2	20	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	0	998
2024	12	2	21	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	0	998
2024	12	2	22	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	0	998
2024	12	2	23	89.6	35.81	120	3.45	1.54	0	3.73	FEW	1	2000	0	998
2024	13	2	0	75.2	73.61	10	4.60	2.06	0	3.11	NSC	0	2000	0	1002
2024	13	2	1	75.2	73.61	10	4.60	2.06	0	3.11	NSC	0	2000	0	1002
2024	13	2	2	75.2	73.61	10	4.60	2.06	0	3.11	NSC	0	2000	0	1002
2024	13	2	3	75.2	73.61	10	4.60	2.06	0	3.11	NSC	0	2000	0	1002
2024	13	2	4	78.8	65.33	10	2.30	1.03	0	3.73	FEW	1	2000	0	1003
2024	13	2	5	84.2	51.47	10	2.30	1.03	0	4.35	FEW	1	2000	0	1002
2024	13	2	6	84.2	51.47	10	2.30	1.03	0	4.35	FEW	1	2000	0	1001
2024	13	2	7	86	45.61	10	2.30	1.03	0	4.97	SCT	4	2000	122.97	1000
2024	13	2	8	89.6	38.18	20	5.75	2.57	0	4.97	SCT	4	2000	382.43	999
2024	13	2	9	91.4	36.08	280	4.60	2.06	0	4.97	SCT	4	2000	616.64	997
2024	13	2	10	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	814.13	996
2024	13	2	11	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	952.08	996
2024	13	2	12	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	1005.96	996
2024	13	2	13	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	980.34	996

2024	13	2	14	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	887.33	996
2024	13	2	15	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	735.83	996
2024	13	2	16	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	520.9	996
2024	13	2	17	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	271.02	996
2024	13	2	18	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	0	996
2024	13	2	19	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	0	996
2024	13	2	20	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	0	996
2024	13	2	21	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	0	996
2024	13	2	22	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	0	996
2024	13	2	23	89.6	40.69	120	6.90	3.09	0	4.97	SCT	4	2000	0	996
2024	14	2	0	77	78.48	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	14	2	1	77	78.48	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	14	2	2	77	78.48	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	14	2	3	77	78.48	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	14	2	4	80.6	69.71	30	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	14	2	5	82.4	61.81	220	4.60	2.06	0	3.11	FEW	1	2000	0	1001
2024	14	2	6	86	51.72	230	4.60	2.06	0	3.11	SCT	4	2000	0	1001
2024	14	2	7	87.8	45.88	20	4.60	2.06	0	3.11	SCT	4	2000	122.97	999
2024	14	2	8	89.6	40.69	290	3.45	1.54	0	4.35	SCT	4	2000	382.43	998
2024	14	2	9	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	616.64	997
2024	14	2	10	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	814.13	997
2024	14	2	11	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	952.08	997
2024	14	2	12	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	1005.96	997
2024	14	2	13	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	980.34	997
2024	14	2	14	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	887.33	997
2024	14	2	15	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	735.83	997
2024	14	2	16	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	520.9	997
2024	14	2	17	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	271.02	997
2024	14	2	18	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	0	997
2024	14	2	19	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	0	997
2024	14	2	20	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	0	997

2024	14	2	21	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	0	997
2024	14	2	22	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	0	997
2024	14	2	23	91.4	36.08	210	3.45	1.54	0	4.35	SCT	4	2000	0	997
2024	15	2	0	75.2	73.61	50	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	15	2	1	75.2	73.61	50	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	15	2	2	75.2	73.61	50	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	15	2	3	75.2	73.61	50	3.45	1.54	0	3.11	FEW	1	2000	0	1001
2024	15	2	4	78.8	61.36	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	15	2	5	80.6	57.84	340	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	15	2	6	84.2	45.34	60	4.60	2.06	0	3.11	FEW	1	2000	0	1001
2024	15	2	7	86	42.8	200	3.45	1.54	0	3.73	FEW	1	2000	122.97	1000
2024	15	2	8	87.8	37.9	320	3.45	1.54	0	3.73	SCT	4	2000	382.43	998
2024	15	2	9	89.6	35.81	110	6.90	3.09	0	3.73	SCT	4	2000	616.64	997
2024	15	2	10	91.4	33.84	110	2.30	1.03	0	3.73	SCT	4	2000	814.13	996
2024	15	2	11	91.4	33.84	120	5.75	2.57	0	3.73	SCT	4	2000	952.08	996
2024	15	2	12	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	1005.96	996
2024	15	2	13	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	980.34	996
2024	15	2	14	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	887.33	996
2024	15	2	15	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	735.83	996
2024	15	2	16	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	520.9	996
2024	15	2	17	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	271.02	996
2024	15	2	18	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	0	996
2024	15	2	19	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	0	996
2024	15	2	20	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	0	996
2024	15	2	21	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	0	996
2024	15	2	22	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	0	996
2024	15	2	23	87.8	37.9	100	4.60	2.06	0	3.73	SCT	4	2000	0	996
2024	16	2	0	75.2	73.61	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	16	2	1	75.2	73.61	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	16	2	2	75.2	73.61	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	16	2	3	75.2	73.61	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002

2024	16	2	4	80.6	57.84	250	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	16	2	5	82.4	51.21	120	3.45	1.54	0	3.11	FEW	1	2000	0	1002
2024	16	2	6	84.2	48.32	130	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	16	2	7	87.8	43.07	350	4.60	2.06	0	3.73	SCT	4	2000	122.97	1000
2024	16	2	8	87.8	40.41	310	4.60	2.06	0	3.73	SCT	4	2000	382.43	998
2024	16	2	9	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	616.64	997
2024	16	2	10	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	814.13	997
2024	16	2	11	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	952.08	997
2024	16	2	12	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	1005.96	997
2024	16	2	13	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	980.34	997
2024	16	2	14	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	887.33	997
2024	16	2	15	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	735.83	997
2024	16	2	16	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	520.9	997
2024	16	2	17	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	271.02	997
2024	16	2	18	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	0	997
2024	16	2	19	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	0	997
2024	16	2	20	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	0	997
2024	16	2	21	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	0	997
2024	16	2	22	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	0	997
2024	16	2	23	89.6	38.18	120	9.21	4.12	0	3.73	SCT	4	2000	0	997
2024	17	2	0	75.2	53.55	120	2.30	1.03	0	2.49	NSC	0	2000	0	1000
2024	17	2	1	75.2	53.55	120	2.30	1.03	0	2.49	NSC	0	2000	0	1000
2024	17	2	2	75.2	53.55	120	2.30	1.03	0	2.49	NSC	0	2000	0	1000
2024	17	2	3	75.2	53.55	120	2.30	1.03	0	2.49	NSC	0	2000	0	1000
2024	17	2	4	80.6	41.97	120	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	17	2	5	84.2	34.97	120	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	17	2	6	86	27.03	120	2.30	1.03	0	3.73	NSC	0	2000	0	999
2024	17	2	7	89.6	25.79	120	2.30	1.03	0	3.73	NSC	0	2000	122.97	998
2024	17	2	8	91.4	26.05	120	2.30	1.03	0	3.73	NSC	0	2000	382.43	996
2024	17	2	9	91.4	26.05	110	6.90	3.09	0	4.35	NSC	0	2000	616.64	995
2024	17	2	10	93.2	26.31	100	9.21	4.12	0	4.35	NSC	0	2000	814.13	994

2024	17	2	11	91.4	29.72	100	10.36	4.63	0	4.35	FEW	1	2000	952.08	994
2024	17	2	12	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	1005.96	995
2024	17	2	13	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	980.34	995
2024	17	2	14	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	887.33	995
2024	17	2	15	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	735.83	995
2024	17	2	16	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	520.9	995
2024	17	2	17	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	271.02	995
2024	17	2	18	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	0	995
2024	17	2	19	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	0	995
2024	17	2	20	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	0	995
2024	17	2	21	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	0	995
2024	17	2	22	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	0	995
2024	17	2	23	89.6	35.81	120	9.21	4.12	0	4.35	FEW	1	2000	0	995
2024	18	2	0	75.2	64.91	120	9.21	4.12	0	3.11	NSC	0	2000	0	1000
2024	18	2	1	75.2	64.91	120	9.21	4.12	0	3.11	NSC	0	2000	0	1000
2024	18	2	2	75.2	64.91	120	9.21	4.12	0	3.11	NSC	0	2000	0	1000
2024	18	2	3	75.2	64.91	120	9.21	4.12	0	3.11	NSC	0	2000	0	1000
2024	18	2	4	78.8	57.6	120	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	18	2	5	82.4	51.21	120	2.30	1.03	0	3.11	NSC	0	2000	0	1000
2024	18	2	6	86	40.14	120	2.30	1.03	0	3.11	NSC	0	2000	0	999
2024	18	2	7	87.8	35.53	120	2.30	1.03	0	3.73	NSC	0	2000	122.97	998
2024	18	2	8	91.4	27.83	190	4.60	2.06	0	3.73	NSC	0	2000	382.43	996
2024	18	2	9	93.2	24.63	210	3.45	1.54	0	3.73	NSC	0	2000	616.64	995
2024	18	2	10	95	21.79	210	2.30	1.03	0	4.35	FEW	1	2000	814.13	994
2024	18	2	11	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	952.08	994
2024	18	2	12	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	1005.96	994
2024	18	2	13	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	980.34	994
2024	18	2	14	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	887.33	994
2024	18	2	15	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	735.83	994
2024	18	2	16	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	520.9	994
2024	18	2	17	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	271.02	994

2024	18	2	18	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	0	994
2024	18	2	19	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	0	994
2024	18	2	20	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	0	994
2024	18	2	21	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	0	994
2024	18	2	22	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	0	994
2024	18	2	23	93.2	26.31	110	10.36	4.63	0	4.35	FEW	1	2000	0	994
2024	19	2	0	75.2	73.61	110	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	19	2	1	75.2	73.61	110	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	19	2	2	75.2	73.61	110	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	19	2	3	75.2	73.61	110	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	19	2	4	78.8	61.36	110	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	19	2	5	78.8	61.36	110	2.30	1.03	0	3.11	NSC	0	2000	0	1001
2024	19	2	6	86	37.62	150	9.21	4.12	0	3.73	NSC	0	2000	0	999
2024	19	2	7	87.8	35.53	150	6.90	3.09	0	3.73	FEW	1	2000	122.97	998
2024	19	2	8	91.4	26.05	110	6.90	3.09	0	3.73	FEW	1	2000	382.43	997
2024	19	2	9	91.4	22.78	150	6.90	3.09	0	4.35	FEW	1	2000	616.64	995
2024	19	2	10	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	814.13	995
2024	19	2	11	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	952.08	995
2024	19	2	12	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	1005.96	995
2024	19	2	13	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	980.34	995
2024	19	2	14	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	887.33	995
2024	19	2	15	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	735.83	995
2024	19	2	16	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	520.9	995
2024	19	2	17	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	271.02	995
2024	19	2	18	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	0	995
2024	19	2	19	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	0	995
2024	19	2	20	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	0	995
2024	19	2	21	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	0	995
2024	19	2	22	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	0	995
2024	19	2	23	93.2	23.04	150	6.90	3.09	0	4.97	FEW	1	2000	0	995
2024	20	2	0	75.2	73.61	150	6.90	3.09	0	3.11	SCT	4	2000	0	1000

2024	20	2	1	75.2	73.61	150	6.90	3.09	0	3.11	SCT	4	2000	0	1000
2024	20	2	2	75.2	73.61	150	6.90	3.09	0	3.11	SCT	4	2000	0	1000
2024	20	2	3	75.2	73.61	150	6.90	3.09	0	3.11	SCT	4	2000	0	1000
2024	20	2	4	80.6	61.58	150	6.90	3.09	0	3.11	SCT	4	2000	0	1000
2024	20	2	5	84.2	45.34	90	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2024	20	2	6	87.8	31.17	140	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	20	2	7	89.6	31.45	200	4.60	2.06	0	3.73	FEW	1	2000	122.97	998
2024	20	2	8	91.4	29.72	200	5.75	2.57	0	3.73	FEW	1	2000	382.43	996
2024	20	2	9	93.2	29.99	190	6.90	3.09	0	4.35	FEW	1	2000	616.64	995
2024	20	2	10	93.2	28.1	180	4.60	2.06	0	4.35	FEW	1	2000	814.13	994
2024	20	2	11	93.2	28.1	150	6.90	3.09	0	4.35	FEW	1	2000	952.08	994
2024	20	2	12	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	1005.96	994
2024	20	2	13	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	980.34	994
2024	20	2	14	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	887.33	994
2024	20	2	15	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	735.83	994
2024	20	2	16	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	520.9	994
2024	20	2	17	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	271.02	994
2024	20	2	18	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	0	994
2024	20	2	19	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	0	994
2024	20	2	20	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	0	994
2024	20	2	21	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	0	994
2024	20	2	22	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	0	994
2024	20	2	23	91.4	29.72	180	9.21	4.12	0	4.35	FEW	1	2000	0	994
2024	21	2	0	77	78.48	180	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	21	2	1	77	78.48	180	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	21	2	2	77	78.48	180	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	21	2	3	77	78.48	180	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	21	2	4	80.6	69.71	120	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	21	2	5	84.2	58.32	100	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	21	2	6	86	51.72	200	4.60	2.06	0	3.11	SCT	4	2000	0	998
2024	21	2	7	87.8	48.84	220	5.75	2.57	0	3.11	SCT	4	2000	122.97	997

2024	21	2	8	91.4	38.45	260	3.45	1.54	0	3.11	SCT	4	2000	382.43	995
2024	21	2	9	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	616.64	994
2024	21	2	10	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	814.13	994
2024	21	2	11	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	952.08	994
2024	21	2	12	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	1005.96	994
2024	21	2	13	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	980.34	994
2024	21	2	14	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	887.33	994
2024	21	2	15	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	735.83	994
2024	21	2	16	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	520.9	994
2024	21	2	17	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	271.02	994
2024	21	2	18	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	21	2	19	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	21	2	20	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	21	2	21	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	21	2	22	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	21	2	23	91.4	36.08	160	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	22	2	0	78.8	73.95	200	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	22	2	1	78.8	73.95	200	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	22	2	2	78.8	73.95	200	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	22	2	3	78.8	73.95	200	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	22	2	4	82.4	61.81	150	3.45	1.54	0	2.49	SCT	4	2000	0	999
2024	22	2	5	84.2	58.32	220	4.60	2.06	0	3.11	SCT	4	2000	0	999
2024	22	2	6	84.2	58.32	130	6.90	3.09	0	3.11	SCT	4	2000	0	998
2024	22	2	7	87.8	55.29	150	5.75	2.57	0	3.11	SCT	4	2000	122.97	997
2024	22	2	8	89.6	46.14	120	5.75	2.57	0	3.11	FEW	1	2000	382.43	995
2024	22	2	9	91.4	43.61	140	6.90	3.09	0	3.11	FEW	1	2000	616.64	994
2024	22	2	10	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	814.13	993
2024	22	2	11	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	952.08	993
2024	22	2	12	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	1005.96	993
2024	22	2	13	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	980.34	993
2024	22	2	14	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	887.33	993

2024	22	2	15	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	735.83	993
2024	22	2	16	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	520.9	993
2024	22	2	17	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	271.02	993
2024	22	2	18	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	0	993
2024	22	2	19	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	0	993
2024	22	2	20	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	0	993
2024	22	2	21	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	0	993
2024	22	2	22	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	0	993
2024	22	2	23	93.2	41.23	140	3.45	1.54	0	3.11	FEW	1	2000	0	993
2024	23	2	0	82.4	65.74	100	2.30	1.03	0	2.49	NSC	0	2000	0	999
2024	23	2	1	82.4	65.74	100	2.30	1.03	0	2.49	NSC	0	2000	0	999
2024	23	2	2	82.4	65.74	100	2.30	1.03	0	2.49	NSC	0	2000	0	999
2024	23	2	3	82.4	65.74	100	2.30	1.03	0	2.49	NSC	0	2000	0	999
2024	23	2	4	84.2	58.32	100	2.30	1.03	0	3.11	NSC	0	2000	0	999
2024	23	2	5	87.8	48.84	100	2.30	1.03	0	3.11	NSC	0	2000	0	998
2024	23	2	6	89.6	43.34	100	4.60	2.06	0	3.11	FEW	1	2000	0	997
2024	23	2	7	91.4	40.96	170	6.90	3.09	0	3.11	FEW	1	2000	122.97	996
2024	23	2	8	93.2	36.35	140	4.60	2.06	0	3.11	FEW	1	2000	382.43	994
2024	23	2	9	95	32.27	140	2.30	1.03	0	3.11	FEW	1	2000	616.64	993
2024	23	2	10	95	30.26	150	8.06	3.60	0	3.73	FEW	1	2000	814.13	992
2024	23	2	11	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	952.08	992
2024	23	2	12	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	1005.96	992
2024	23	2	13	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	980.34	992
2024	23	2	14	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	887.33	992
2024	23	2	15	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	735.83	992
2024	23	2	16	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	520.9	992
2024	23	2	17	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	271.02	992
2024	23	2	18	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	0	992
2024	23	2	19	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	0	992
2024	23	2	20	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	0	992
2024	23	2	21	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	0	992

2024	23	2	22	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	0	992
2024	23	2	23	96.8	28.63	180	6.90	3.09	0	3.73	FEW	1	2000	0	992
2024	24	2	0	80.6	78.76	140	6.90	3.09	0	3.11	SCT	4	2000	0	998
2024	24	2	1	80.6	78.76	140	6.90	3.09	0	3.11	SCT	4	2000	0	998
2024	24	2	2	80.6	78.76	140	6.90	3.09	0	3.11	SCT	4	2000	0	998
2024	24	2	3	80.6	78.76	140	6.90	3.09	0	3.11	SCT	4	2000	0	998
2024	24	2	4	84.2	65.95	160	6.90	3.09	0	3.11	SCT	4	2000	0	999
2024	24	2	5	84.2	65.95	180	4.60	2.06	0	3.11	SCT	4	2000	0	998
2024	24	2	6	87.8	51.98	190	9.21	4.12	0	3.11	SCT	4	2000	0	997
2024	24	2	7	91.4	43.61	190	6.90	3.09	0	3.73	SCT	4	2000	122.97	996
2024	24	2	8	91.4	40.96	190	5.75	2.57	0	3.73	SCT	4	2000	382.43	995
2024	24	2	9	93.2	38.73	170	6.90	3.09	0	3.73	SCT	4	2000	616.64	994
2024	24	2	10	93.2	38.73	160	9.21	4.12	0	4.35	SCT	4	2000	814.13	993
2024	24	2	11	93.2	41.23	120	5.75	2.57	0	4.35	FEW	1	2000	952.08	993
2024	24	2	12	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	1005.96	993
2024	24	2	13	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	980.34	993
2024	24	2	14	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	887.33	993
2024	24	2	15	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	735.83	993
2024	24	2	16	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	520.9	993
2024	24	2	17	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	271.02	993
2024	24	2	18	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	0	993
2024	24	2	19	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	0	993
2024	24	2	20	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	0	993
2024	24	2	21	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	0	993
2024	24	2	22	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	0	993
2024	24	2	23	91.4	43.61	110	5.75	2.57	0	4.35	SCT	4	2000	0	993
2024	25	2	0	78.8	69.52	140	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	25	2	1	78.8	69.52	140	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	25	2	2	78.8	69.52	140	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	25	2	3	78.8	69.52	140	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	25	2	4	80.6	65.54	130	5.75	2.57	0	3.11	SCT	4	2000	0	998

2024	25	2	5	84.2	54.8	30	4.60	2.06	0	3.11	SCT	4	2000	0	998
2024	25	2	6	86	51.72	270	6.90	3.09	0	3.11	SCT	4	2000	0	998
2024	25	2	7	87.8	45.88	60	4.60	2.06	0	3.11	SCT	4	2000	122.97	996
2024	25	2	8	89.6	43.34	170	4.60	2.06	0	3.11	SCT	4	2000	382.43	995
2024	25	2	9	91.4	40.96	300	3.45	1.54	0	3.11	SCT	4	2000	616.64	993
2024	25	2	10	91.4	40.96	120	5.75	2.57	0	3.11	SCT	4	2000	814.13	992
2024	25	2	11	91.4	38.45	130	6.90	3.09	0	3.11	SCT	4	2000	952.08	992
2024	25	2	12	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	1005.96	992
2024	25	2	13	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	980.34	992
2024	25	2	14	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	887.33	992
2024	25	2	15	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	735.83	992
2024	25	2	16	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	520.9	992
2024	25	2	17	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	271.02	992
2024	25	2	18	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	0	992
2024	25	2	19	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	0	992
2024	25	2	20	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	0	992
2024	25	2	21	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	0	992
2024	25	2	22	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	0	992
2024	25	2	23	89.6	40.69	110	9.21	4.12	0	3.11	SCT	4	2000	0	992
2024	26	2	0	77	73.78	330	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	26	2	1	77	73.78	330	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	26	2	2	77	73.78	330	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	26	2	3	77	73.78	330	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	26	2	4	80.6	65.54	10	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	26	2	5	82.4	61.81	170	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	26	2	6	86	51.72	300	4.60	2.06	0	3.11	SCT	4	2000	0	998
2024	26	2	7	87.8	45.88	320	4.60	2.06	0	3.73	SCT	4	2000	122.97	997
2024	26	2	8	89.6	40.69	260	4.60	2.06	0	3.73	SCT	4	2000	382.43	996
2024	26	2	9	91.4	33.84	120	9.21	4.12	0	4.35	SCT	4	2000	616.64	994
2024	26	2	10	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	814.13	994
2024	26	2	11	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	952.08	994

2024	26	2	12	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	1005.96	994
2024	26	2	13	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	980.34	994
2024	26	2	14	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	887.33	994
2024	26	2	15	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	735.83	994
2024	26	2	16	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	520.9	994
2024	26	2	17	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	271.02	994
2024	26	2	18	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	26	2	19	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	26	2	20	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	26	2	21	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	26	2	22	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	26	2	23	93.2	29.99	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	27	2	0	78.8	73.95	30	9.21	4.12	0	3.11	SCT	4	2000	0	999
2024	27	2	1	78.8	73.95	30	9.21	4.12	0	3.11	SCT	4	2000	0	999
2024	27	2	2	78.8	73.95	30	9.21	4.12	0	3.11	SCT	4	2000	0	999
2024	27	2	3	78.8	73.95	30	9.21	4.12	0	3.11	SCT	4	2000	0	999
2024	27	2	4	82.4	61.81	10	9.21	4.12	0	3.11	FEW	1	2000	0	1000
2024	27	2	5	82.4	58.08	80	5.75	2.57	0	3.73	SCT	4	2000	0	1000
2024	27	2	6	84.2	54.8	140	4.60	2.06	0	4.35	SCT	4	2000	0	999
2024	27	2	7	89.6	40.69	180	4.60	2.06	0	4.35	SCT	4	2000	122.97	997
2024	27	2	8	89.6	40.69	40	4.60	2.06	0	4.35	SCT	4	2000	382.43	996
2024	27	2	9	91.4	36.08	160	3.45	1.54	0	4.35	SCT	4	2000	616.64	995
2024	27	2	10	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	814.13	994
2024	27	2	11	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	952.08	994
2024	27	2	12	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	1005.96	994
2024	27	2	13	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	980.34	994
2024	27	2	14	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	887.33	994
2024	27	2	15	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	735.83	994
2024	27	2	16	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	520.9	994
2024	27	2	17	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	271.02	994
2024	27	2	18	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	0	994

2024	27	2	19	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	27	2	20	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	27	2	21	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	27	2	22	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	27	2	23	91.4	36.08	140	6.90	3.09	0	4.35	SCT	4	2000	0	994
2024	28	2	0	77	69.33	160	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	28	2	1	77	69.33	160	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	28	2	2	77	69.33	160	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	28	2	3	77	69.33	160	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	28	2	4	80.6	61.58	250	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	28	2	5	84.2	51.47	140	4.60	2.06	0	3.73	FEW	1	2000	0	999
2024	28	2	6	87.8	43.07	200	3.45	1.54	0	3.73	FEW	1	2000	0	998
2024	28	2	7	89.6	38.18	130	4.60	2.06	0	3.73	FEW	1	2000	122.97	996
2024	28	2	8	91.4	31.72	150	5.75	2.57	0	4.35	FEW	1	2000	382.43	995
2024	28	2	9	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	616.64	994
2024	28	2	10	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	814.13	994
2024	28	2	11	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	952.08	994
2024	28	2	12	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	1005.96	994
2024	28	2	13	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	980.34	994
2024	28	2	14	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	887.33	994
2024	28	2	15	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	735.83	994
2024	28	2	16	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	520.9	994
2024	28	2	17	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	271.02	994
2024	28	2	18	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	0	994
2024	28	2	19	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	0	994
2024	28	2	20	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	0	994
2024	28	2	21	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	0	994
2024	28	2	22	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	0	994
2024	28	2	23	95	28.37	140	6.90	3.09	0	4.35	FEW	1	2000	0	994
2024	29	2	0	75.2	73.61	50	4.60	2.06	0	3.11	FEW	1	2000	0	999
2024	29	2	1	75.2	73.61	50	4.60	2.06	0	3.11	FEW	1	2000	0	999

2024	29	2	2	75.2	73.61	50	4.60	2.06	0	3.11	FEW	1	2000	0	999
2024	29	2	3	75.2	73.61	50	4.60	2.06	0	3.11	FEW	1	2000	0	999
2024	29	2	4	82.4	54.55	330	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	29	2	5	84.2	48.32	170	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	29	2	6	87.8	37.9	130	3.45	1.54	0	3.73	FEW	1	2000	0	998
2024	29	2	7	89.6	33.56	330	3.45	1.54	0	4.35	FEW	1	2000	122.97	997
2024	29	2	8	91.4	27.83	180	4.60	2.06	0	4.35	FEW	1	2000	382.43	996
2024	29	2	9	93.2	28.1	230	4.60	2.06	0	4.97	FEW	1	2000	616.64	995
2024	29	2	10	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	814.13	994
2024	29	2	11	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	952.08	994
2024	29	2	12	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	1005.96	994
2024	29	2	13	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	980.34	994
2024	29	2	14	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	887.33	994
2024	29	2	15	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	735.83	994
2024	29	2	16	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	520.9	994
2024	29	2	17	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	271.02	994
2024	29	2	18	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	0	994
2024	29	2	19	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	0	994
2024	29	2	20	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	0	994
2024	29	2	21	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	0	994
2024	29	2	22	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	0	994
2024	29	2	23	93.2	28.1	110	8.06	3.60	0	4.97	FEW	1	2000	0	994
2024	1	3	0	77	69.33	320	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2024	1	3	1	77	69.33	320	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2024	1	3	2	77	69.33	320	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2024	1	3	3	77	69.33	320	3.45	1.54	0	3.11	SCT	4	2000	0	1000
2024	1	3	4	82.4	54.55	340	3.45	1.54	0	3.11	SCT	4	2000	0	1001
2024	1	3	5	86	40.14	10	3.45	1.54	0	3.73	SCT	4	2000	0	1000
2024	1	3	6	89.6	33.56	30	3.45	1.54	0	4.35	SCT	4	2000	0	999
2024	1	3	7	89.6	31.45	220	3.45	1.54	0	4.35	SCT	4	2000	132.38	998
2024	1	3	8	93.2	26.31	160	3.45	1.54	0	4.35	SCT	4	2000	370.43	997

2024	1	3	9	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	597.21	995
2024	1	3	10	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	787.32	995
2024	1	3	11	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	907.16	995
2024	1	3	12	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	958.13	995
2024	1	3	13	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	930.65	995
2024	1	3	14	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	819.81	995
2024	1	3	15	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	658.45	995
2024	1	3	16	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	448.34	995
2024	1	3	17	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	214.95	995
2024	1	3	18	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	1.34	995
2024	1	3	19	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	0	995
2024	1	3	20	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	0	995
2024	1	3	21	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	0	995
2024	1	3	22	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	0	995
2024	1	3	23	93.2	26.31	200	5.75	2.57	0	4.35	SCT	4	2000	0	995
2024	2	3	0	75.2	60.9	200	5.75	2.57	0	3.73	FEW	1	2000	0	1000
2024	2	3	1	75.2	60.9	200	5.75	2.57	0	3.73	FEW	1	2000	0	1000
2024	2	3	2	75.2	60.9	200	5.75	2.57	0	3.73	FEW	1	2000	0	1000
2024	2	3	3	75.2	60.9	200	5.75	2.57	0	3.73	FEW	1	2000	0	1000
2024	2	3	4	78.8	57.6	200	5.75	2.57	0	3.73	FEW	1	2000	0	1001
2024	2	3	5	82.4	48.05	280	3.45	1.54	0	3.73	FEW	1	2000	0	1001
2024	2	3	6	84.2	39.86	280	3.45	1.54	0	3.73	FEW	1	2000	0	1000
2024	2	3	7	86	35.25	200	5.75	2.57	0	3.11	FEW	1	2000	132.38	999
2024	2	3	8	89.6	29.45	200	3.45	1.54	0	3.73	FEW	1	2000	370.43	997
2024	2	3	9	91.4	26.05	200	3.45	1.54	0	3.73	FEW	1	2000	597.21	996
2024	2	3	10	95	21.79	200	6.90	3.09	0	4.35	FEW	1	2000	787.32	994
2024	2	3	11	93.2	23.04	150	8.06	3.60	0	4.35	FEW	1	2000	907.16	994
2024	2	3	12	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	958.13	994
2024	2	3	13	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	930.65	994
2024	2	3	14	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	819.81	994
2024	2	3	15	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	658.45	994

2024	2	3	16	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	448.34	994
2024	2	3	17	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	214.95	994
2024	2	3	18	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	1.34	994
2024	2	3	19	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	0	994
2024	2	3	20	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	0	994
2024	2	3	21	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	0	994
2024	2	3	22	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	0	994
2024	2	3	23	91.4	31.72	240	3.45	1.54	0	4.35	FEW	1	2000	0	994
2024	3	3	0	77	73.78	350	4.60	2.06	0	2.49	NSC	0	2000	0	999
2024	3	3	1	77	73.78	350	4.60	2.06	0	2.49	NSC	0	2000	0	999
2024	3	3	2	77	73.78	350	4.60	2.06	0	2.49	NSC	0	2000	0	999
2024	3	3	3	77	73.78	350	4.60	2.06	0	2.49	NSC	0	2000	0	999
2024	3	3	4	80.6	61.58	10	4.60	2.06	0	3.11	NSC	0	2000	0	1000
2024	3	3	5	84.2	51.47	40	3.45	1.54	0	3.11	NSC	0	2000	0	1000
2024	3	3	6	86	42.8	40	2.30	1.03	0	3.11	NSC	0	2000	0	999
2024	3	3	7	91.4	27.83	40	2.30	1.03	0	3.11	NSC	0	2000	132.38	997
2024	3	3	8	93.2	24.63	140	6.90	3.09	0	3.11	NSC	0	2000	370.43	996
2024	3	3	9	93.2	24.63	140	3.45	1.54	0	3.73	NSC	0	2000	597.21	995
2024	3	3	10	95	23.3	130	4.60	2.06	0	3.73	NSC	0	2000	787.32	994
2024	3	3	11	95	23.3	200	6.90	3.09	0	3.73	NSC	0	2000	907.16	993
2024	3	3	12	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	958.13	993
2024	3	3	13	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	930.65	993
2024	3	3	14	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	819.81	993
2024	3	3	15	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	658.45	993
2024	3	3	16	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	448.34	993
2024	3	3	17	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	214.95	993
2024	3	3	18	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	1.34	993
2024	3	3	19	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	3	3	20	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	3	3	21	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	3	3	22	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	0	993

2024	3	3	23	95	24.89	190	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	4	3	0	77	69.33	340	3.45	1.54	0	3.11	SCT	4	1997	0	999
2024	4	3	1	77	69.33	340	3.45	1.54	0	3.11	SCT	4	1998	0	999
2024	4	3	2	77	69.33	340	3.45	1.54	0	3.11	SCT	4	1999	0	999
2024	4	3	3	77	69.33	340	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	4	3	4	78.8	69.52	340	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	4	3	5	84.2	58.32	250	4.60	2.06	0	3.11	SCT	4	2000	0	999
2024	4	3	6	87.8	48.84	100	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	4	3	7	89.6	35.81	240	3.45	1.54	0	3.11	SCT	4	2000	132.38	997
2024	4	3	8	91.4	29.72	180	3.45	1.54	0	3.11	SCT	4	2000	370.43	995
2024	4	3	9	95	26.58	160	3.45	1.54	0	3.11	FEW	1	2000	597.21	994
2024	4	3	10	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	787.32	993
2024	4	3	11	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	907.16	993
2024	4	3	12	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	958.13	993
2024	4	3	13	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	930.65	993
2024	4	3	14	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	819.81	993
2024	4	3	15	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	658.45	993
2024	4	3	16	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	448.34	993
2024	4	3	17	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	214.95	993
2024	4	3	18	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	1.34	993
2024	4	3	19	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	0	993
2024	4	3	20	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	0	993
2024	4	3	21	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	0	993
2024	4	3	22	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	0	993
2024	4	3	23	95	24.89	180	4.60	2.06	0	3.11	FEW	1	2000	0	993
2024	5	3	0	75.2	83.32	70	3.45	1.54	0	3.11	FEW	1	2000	0	998
2024	5	3	1	75.2	83.32	70	3.45	1.54	0	3.11	FEW	1	2000	0	998
2024	5	3	2	75.2	83.32	70	3.45	1.54	0	3.11	FEW	1	2000	0	998
2024	5	3	3	75.2	83.32	70	3.45	1.54	0	3.11	FEW	1	2000	0	998
2024	5	3	4	80.6	69.71	340	3.45	1.54	0	3.11	FEW	1	2000	0	999
2024	5	3	5	84.2	62.03	200	3.45	1.54	0	3.11	FEW	1	2000	0	998

2024	5	3	6	89.6	46.14	250	4.60	2.06	0	3.11	SCT	4	2000	0	998
2024	5	3	7	91.4	31.72	140	4.60	2.06	0	3.11	SCT	4	2000	132.38	996
2024	5	3	8	95	28.37	180	4.60	2.06	0	3.11	SCT	4	2000	370.43	995
2024	5	3	9	96.8	16.83	160	4.60	2.06	0	3.73	SCT	4	2000	597.21	993
2024	5	3	10	98.6	14.87	120	4.60	2.06	0	3.73	FEW	1	2000	787.32	993
2024	5	3	11	96.8	16.83	110	9.21	4.12	0	4.35	FEW	1	2000	907.16	993
2024	5	3	12	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	958.13	993
2024	5	3	13	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	930.65	993
2024	5	3	14	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	819.81	993
2024	5	3	15	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	658.45	993
2024	5	3	16	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	448.34	993
2024	5	3	17	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	214.95	993
2024	5	3	18	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	1.34	993
2024	5	3	19	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	0	993
2024	5	3	20	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	0	993
2024	5	3	21	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	0	993
2024	5	3	22	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	0	993
2024	5	3	23	95	21.79	110	9.21	4.12	0	4.35	FEW	1	2000	0	993
2024	6	3	0	77	69.33	110	9.21	4.12	0	3.11	SCT	4	2000	0	999
2024	6	3	1	77	69.33	110	9.21	4.12	0	3.11	SCT	4	2000	0	999
2024	6	3	2	77	69.33	110	9.21	4.12	0	3.11	SCT	4	2000	0	999
2024	6	3	3	77	69.33	110	9.21	4.12	0	3.11	SCT	4	2000	0	999
2024	6	3	4	80.6	69.71	250	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	6	3	5	84.2	62.03	220	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	6	3	6	86	55.04	220	5.75	2.57	0	3.11	SCT	4	2000	0	998
2024	6	3	7	91.4	36.08	150	5.75	2.57	0	3.11	SCT	4	2000	132.38	997
2024	6	3	8	93.2	26.31	170	6.90	3.09	0	3.11	SCT	4	2000	370.43	995
2024	6	3	9	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	597.21	994
2024	6	3	10	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	787.32	994
2024	6	3	11	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	907.16	994
2024	6	3	12	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	958.13	994

2024	6	3	13	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	930.65	994
2024	6	3	14	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	819.81	994
2024	6	3	15	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	658.45	994
2024	6	3	16	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	448.34	994
2024	6	3	17	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	214.95	994
2024	6	3	18	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	1.34	994
2024	6	3	19	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	6	3	20	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	6	3	21	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	6	3	22	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	6	3	23	95	26.58	120	5.75	2.57	0	3.11	SCT	4	2000	0	994
2024	7	3	0	77	69.33	210	4.60	2.06	0	2.49	NSC	0	2000	0	998
2024	7	3	1	77	69.33	210	4.60	2.06	0	2.49	NSC	0	2000	0	998
2024	7	3	2	77	69.33	210	4.60	2.06	0	2.49	NSC	0	2000	0	998
2024	7	3	3	77	69.33	210	4.60	2.06	0	2.49	NSC	0	2000	0	998
2024	7	3	4	82.4	61.81	210	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	7	3	5	84.2	51.47	210	4.60	2.06	0	3.11	NSC	0	2000	0	998
2024	7	3	6	89.6	40.69	300	3.45	1.54	0	3.11	NSC	0	2000	0	998
2024	7	3	7	91.4	27.83	60	3.45	1.54	0	3.11	FEW	1	2000	132.38	996
2024	7	3	8	95	23.3	260	5.75	2.57	0	3.73	FEW	1	2000	370.43	995
2024	7	3	9	96.8	19.28	210	5.75	2.57	0	4.35	FEW	1	2000	597.21	993
2024	7	3	10	98.6	14.87	180	5.75	2.57	0	4.35	FEW	1	2000	787.32	992
2024	7	3	11	96.8	16.83	160	5.75	2.57	0	4.35	FEW	1	2000	907.16	992
2024	7	3	12	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	958.13	992
2024	7	3	13	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	930.65	992
2024	7	3	14	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	819.81	992
2024	7	3	15	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	658.45	992
2024	7	3	16	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	448.34	992
2024	7	3	17	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	214.95	992
2024	7	3	18	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	1.34	992
2024	7	3	19	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	0	992

2024	7	3	20	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	0	992
2024	7	3	21	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	0	992
2024	7	3	22	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	0	992
2024	7	3	23	96.8	16.83	130	6.90	3.09	0	4.35	FEW	1	2000	0	992
2024	8	3	0	78.8	61.36	190	2.30	1.03	0	2.49	FEW	1	2000	0	999
2024	8	3	1	78.8	61.36	190	2.30	1.03	0	2.49	FEW	1	2000	0	999
2024	8	3	2	78.8	61.36	190	2.30	1.03	0	2.49	FEW	1	2000	0	999
2024	8	3	3	78.8	61.36	190	2.30	1.03	0	2.49	FEW	1	2000	0	999
2024	8	3	4	82.4	51.21	190	2.30	1.03	0	2.8	FEW	1	2000	0	999
2024	8	3	5	86	45.61	190	4.60	2.06	0	3.11	FEW	1	2000	0	999
2024	8	3	6	89.6	38.18	180	6.90	3.09	0	3.11	FEW	1	2000	0	998
2024	8	3	7	91.4	27.83	200	5.75	2.57	0	3.73	NSC	0	2000	132.38	997
2024	8	3	8	95	23.3	170	4.60	2.06	0	3.73	NSC	0	2000	370.43	995
2024	8	3	9	95	21.79	230	5.75	2.57	0	3.73	NSC	0	2000	597.21	994
2024	8	3	10	96.8	20.62	200	5.75	2.57	0	4.35	NSC	0	2000	787.32	994
2024	8	3	11	96.8	20.62	200	4.60	2.06	0	4.97	FEW	1	2000	907.16	993
2024	8	3	12	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	958.13	993
2024	8	3	13	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	930.65	993
2024	8	3	14	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	819.81	993
2024	8	3	15	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	658.45	993
2024	8	3	16	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	448.34	993
2024	8	3	17	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	214.95	993
2024	8	3	18	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	1.34	993
2024	8	3	19	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	0	993
2024	8	3	20	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	0	993
2024	8	3	21	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	0	993
2024	8	3	22	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	0	993
2024	8	3	23	95	21.79	190	6.90	3.09	0	4.97	FEW	1	2000	0	993
2024	9	3	0	80.6	65.54	130	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	9	3	1	80.6	65.54	130	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	9	3	2	80.6	65.54	130	3.45	1.54	0	3.11	SCT	4	2000	0	998

2024	9	3	3	80.6	65.54	130	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	9	3	4	84.2	51.47	160	3.45	1.54	0	3.11	SCT	4	2000	0	999
2024	9	3	5	86	51.72	200	3.45	1.54	0	3.11	SCT	4	2000	0	998
2024	9	3	6	89.6	40.69	140	5.75	2.57	0	3.11	FEW	1	2000	0	998
2024	9	3	7	91.4	36.08	240	6.90	3.09	0	3.73	FEW	1	2000	132.38	996
2024	9	3	8	95	30.26	200	4.60	2.06	0	4.35	SCT	4	2000	370.43	995
2024	9	3	9	95	26.58	130	5.75	2.57	0	4.35	SCT	4	2000	597.21	994
2024	9	3	10	96.8	28.63	250	5.75	2.57	0	4.35	SCT	4	2000	787.32	993
2024	9	3	11	96.8	26.84	210	9.21	4.12	0	4.35	FEW	1	2000	907.16	993
2024	9	3	12	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	958.13	993
2024	9	3	13	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	930.65	993
2024	9	3	14	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	819.81	993
2024	9	3	15	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	658.45	993
2024	9	3	16	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	448.34	993
2024	9	3	17	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	214.95	993
2024	9	3	18	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	1.34	993
2024	9	3	19	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	0	993
2024	9	3	20	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	0	993
2024	9	3	21	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	0	993
2024	9	3	22	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	0	993
2024	9	3	23	95	28.37	210	5.75	2.57	0	4.35	FEW	1	2000	0	993
2024	10	3	0	80.6	78.76	180	4.60	2.06	0	3.11	FEW	1	2000	0	1000
2024	10	3	1	80.6	78.76	180	4.60	2.06	0	3.11	FEW	1	2000	0	1000
2024	10	3	2	80.6	78.76	180	4.60	2.06	0	3.11	FEW	1	2000	0	1000
2024	10	3	3	80.6	78.76	180	4.60	2.06	0	3.11	FEW	1	2000	0	1000
2024	10	3	4	82.4	69.9	190	4.60	2.06	0	3.11	FEW	1	2000	0	1001
2024	10	3	5	84.2	62.03	180	4.60	2.06	0	3.11	FEW	1	2000	0	1001
2024	10	3	6	86	55.04	160	6.90	3.09	0	3.11	FEW	1	2000	0	1000
2024	10	3	7	89.6	43.34	180	9.21	4.12	0	3.11	SCT	4	2000	132.38	998
2024	10	3	8	93.2	34.11	180	9.21	4.12	0	3.11	FEW	1	2000	370.43	997
2024	10	3	9	95	30.26	190	9.21	4.12	0	3.73	FEW	1	2000	597.21	996

2024	10	3	10	95	28.37	110	5.75	2.57	0	4.35	FEW	1	2000	787.32	995
2024	10	3	11	95	30.26	190	8.06	3.60	0	4.35	FEW	1	2000	907.16	995
2024	10	3	12	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	958.13	995
2024	10	3	13	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	930.65	995
2024	10	3	14	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	819.81	995
2024	10	3	15	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	658.45	995
2024	10	3	16	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	448.34	995
2024	10	3	17	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	214.95	995
2024	10	3	18	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	1.34	995
2024	10	3	19	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	0	995
2024	10	3	20	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	0	995
2024	10	3	21	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	0	995
2024	10	3	22	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	0	995
2024	10	3	23	95	23.3	120	6.90	3.09	0	4.35	FEW	1	2000	0	995
2024	11	3	0	80.6	57.84	70	2.30	1.03	0	3.11	SCT	4	2000	0	1002
2024	11	3	1	80.6	57.84	70	2.30	1.03	0	3.11	SCT	4	2000	0	1002
2024	11	3	2	80.6	57.84	70	2.30	1.03	0	3.11	SCT	4	2000	0	1002
2024	11	3	3	80.6	57.84	70	2.30	1.03	0	3.11	SCT	4	2000	0	1002
2024	11	3	4	82.4	48.05	70	2.30	1.03	0	3.11	FEW	1	2000	0	1003
2024	11	3	5	86	42.8	70	2.30	1.03	0	3.11	FEW	1	2000	0	1002
2024	11	3	6	89.6	33.56	70	4.60	2.06	0	3.11	FEW	1	2000	0	1001
2024	11	3	7	91.4	29.72	190	6.90	3.09	0	3.11	FEW	1	2000	132.38	1000
2024	11	3	8	95	24.89	260	4.60	2.06	0	3.11	NSC	0	2000	370.43	998
2024	11	3	9	95	23.3	140	4.60	2.06	0	3.73	FEW	1	2000	597.21	997
2024	11	3	10	96.8	22.04	90	8.06	3.60	0	4.35	FEW	1	2000	787.32	996
2024	11	3	11	95	24.89	100	11.51	5.14	0	4.35	FEW	1	2000	907.16	995
2024	11	3	12	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	958.13	996
2024	11	3	13	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	930.65	996
2024	11	3	14	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	819.81	996
2024	11	3	15	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	658.45	996
2024	11	3	16	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	448.34	996

2024	11	3	17	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	214.95	996
2024	11	3	18	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	1.34	996
2024	11	3	19	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	0	996
2024	11	3	20	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	0	996
2024	11	3	21	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	0	996
2024	11	3	22	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	0	996
2024	11	3	23	93.2	28.1	110	11.51	5.14	0	4.35	SCT	4	2000	0	996
2024	12	3	0	77	78.48	160	5.75	2.57	0	2.49	NSC	0	2000	0	1001
2024	12	3	1	77	78.48	160	5.75	2.57	0	2.49	NSC	0	2000	0	1001
2024	12	3	2	77	78.48	160	5.75	2.57	0	2.49	NSC	0	2000	0	1001
2024	12	3	3	77	78.48	160	5.75	2.57	0	2.49	NSC	0	2000	0	1001
2024	12	3	4	80.6	57.84	110	4.60	2.06	0	3.11	NSC	0	2000	0	1002
2024	12	3	5	86	45.61	150	5.75	2.57	0	3.11	NSC	0	2000	0	1001
2024	12	3	6	89.6	33.56	180	5.75	2.57	0	3.11	NSC	0	2000	0	1000
2024	12	3	7	91.4	31.72	170	8.06	3.60	0	3.11	NSC	0	2000	132.38	999
2024	12	3	8	93.2	26.31	220	8.06	3.60	0	3.73	NSC	0	2000	370.43	998
2024	12	3	9	95	24.89	290	4.60	2.06	0	3.73	NSC	0	2000	597.21	996
2024	12	3	10	96.8	22.04	180	6.90	3.09	0	3.73	NSC	0	2000	787.32	995
2024	12	3	11	96.8	20.62	130	5.75	2.57	0	3.73	FEW	1	2000	907.16	995
2024	12	3	12	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	958.13	995
2024	12	3	13	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	930.65	995
2024	12	3	14	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	819.81	995
2024	12	3	15	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	658.45	995
2024	12	3	16	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	448.34	995
2024	12	3	17	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	214.95	995
2024	12	3	18	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	1.34	995
2024	12	3	19	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	12	3	20	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	12	3	21	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	12	3	22	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	0	995
2024	12	3	23	95	24.89	100	9.21	4.12	0	3.73	FEW	1	2000	0	995

2024	13	3	0	80.6	65.54	140	3.45	1.54	0	3.11	FEW	1	2000	0	1000
2024	13	3	1	80.6	65.54	140	3.45	1.54	0	3.11	FEW	1	2000	0	1000
2024	13	3	2	80.6	65.54	140	3.45	1.54	0	3.11	FEW	1	2000	0	1000
2024	13	3	3	80.6	65.54	140	3.45	1.54	0	3.11	FEW	1	2000	0	1000
2024	13	3	4	82.4	61.81	130	3.45	1.54	0	3.11	FEW	1	2000	0	1000
2024	13	3	5	87.8	35.53	170	6.90	3.09	0	3.11	NSC	0	2000	0	1000
2024	13	3	6	89.6	25.79	160	6.90	3.09	0	3.11	NSC	0	2000	0	999
2024	13	3	7	91.4	24.37	190	6.90	3.09	0	3.73	NSC	0	2000	132.38	998
2024	13	3	8	95	24.89	200	9.21	4.12	0	3.73	NSC	0	2000	370.43	997
2024	13	3	9	95	24.89	200	2.30	1.03	0	3.73	NSC	0	2000	597.21	995
2024	13	3	10	96.8	23.55	40	4.60	2.06	0	3.73	NSC	0	2000	787.32	994
2024	13	3	11	96.8	23.55	230	5.75	2.57	0	3.73	NSC	0	2000	907.16	994
2024	13	3	12	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	958.13	994
2024	13	3	13	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	930.65	994
2024	13	3	14	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	819.81	994
2024	13	3	15	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	658.45	994
2024	13	3	16	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	448.34	994
2024	13	3	17	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	214.95	994
2024	13	3	18	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	1.34	994
2024	13	3	19	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	0	994
2024	13	3	20	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	0	994
2024	13	3	21	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	0	994
2024	13	3	22	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	0	994
2024	13	3	23	95	24.89	230	2.30	1.03	0	3.73	NSC	0	2000	0	994
2024	14	3	0	80.6	61.58	120	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	14	3	1	80.6	61.58	120	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	14	3	2	80.6	61.58	120	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	14	3	3	80.6	61.58	120	4.60	2.06	0	3.11	NSC	0	2000	0	999
2024	14	3	4	84.2	62.03	190	5.75	2.57	0	3.11	NSC	0	2000	0	1000
2024	14	3	5	87.8	55.29	190	2.30	1.03	0	3.11	NSC	0	2000	0	999
2024	14	3	6	89.6	49.1	170	3.45	1.54	0	3.11	NSC	0	2000	0	998

2024	14	3	7	95	30.26	280	4.60	2.06	0	3.11	FEW	1	2000	132.38	997
2024	14	3	8	95	26.58	150	6.90	3.09	0	3.11	FEW	1	2000	370.43	996
2024	14	3	9	96.8	25.15	180	5.75	2.57	0	3.11	FEW	1	2000	597.21	994
2024	14	3	10	98.6	23.81	90	5.75	2.57	0	3.73	FEW	1	2000	787.32	993
2024	14	3	11	98.6	25.41	180	8.06	3.60	0	3.73	FEW	1	2000	907.16	993
2024	14	3	12	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	958.13	993
2024	14	3	13	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	930.65	993
2024	14	3	14	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	819.81	993
2024	14	3	15	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	658.45	993
2024	14	3	16	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	448.34	993
2024	14	3	17	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	214.95	993
2024	14	3	18	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	1.34	993
2024	14	3	19	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	14	3	20	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	14	3	21	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	14	3	22	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	14	3	23	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	0	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	1	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	2	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	3	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	4	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	5	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	6	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	7	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	132.38	993
2024	15	3	8	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	370.43	993
2024	15	3	9	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	597.21	993
2024	15	3	10	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	787.32	993
2024	15	3	11	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	907.16	993
2024	15	3	12	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	958.13	993
2024	15	3	13	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	930.65	993

2024	15	3	14	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	819.81	993
2024	15	3	15	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	658.45	993
2024	15	3	16	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	448.34	993
2024	15	3	17	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	214.95	993
2024	15	3	18	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	1.34	993
2024	15	3	19	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	20	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	21	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	22	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993
2024	15	3	23	96.8	26.84	150	5.75	2.57	0	3.73	FEW	1	2000	0	993