

Affidavit

Federal Court of Australia
 District Registry: Victoria
 Division: General

Raelene Cooper

Applicant

National Offshore Petroleum Safety and Environmental Management Authority and others

Respondents

This document is in a form that may be uploaded to the online file

Affidavit of:

[REDACTED]

Address:

c/o Mia Yellagonga, 11 Mount Street, Perth, Western Australia

Occupation:

[REDACTED] Woodside Energy Limited

Date:

11 September 2023

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Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd, the Second and Third Respondents

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I, ██████████ of 11 Mount Street, Perth in the state of Western Australia, ██████████
 affirm:

1. I am authorised to affirm this affidavit on behalf of Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd (**Woodside**) in response to the Applicant's application for an interlocutory injunction dated 7 September 2023.
2. Unless otherwise indicated, the matters contained in this affidavit are based on:
 - (a) my own knowledge;



- (b) information provided to me by others, who I identify below, and I believe that information is true and correct; and
 - (c) information derived from the electronic records of Woodside or companies related to Woodside, to which I have access. For the purposes of preparing this affidavit and responding to the issues raised in this proceeding regarding consultation, I have reviewed the records of Woodside and believe it is true and correct.
3. When I use the words 'we' or 'us' in this affidavit, I refer to the First Nations Team at Woodside.

Background

4. I hold the following formal qualifications:
- (a) a Graduate Certificate of Social Impact from the University of Western Australia in 2015;
 - (b) a Graduate Certificate of Human Rights from Curtin University in 2019;
 - (c) a Master of Human Rights from Curtin University in 2022; and
 - (d) a Certificate in Indigenous Human Rights and Policy from Columbia University in 2023.
5. In August 2022, I commenced my current role as [REDACTED] at Woodside in Perth.
6. Prior to this role, I occupied the following positions at Woodside:
- (a) [REDACTED]
 - (b) [REDACTED]
 - (c) [REDACTED]
 - (d) [REDACTED]
7. I have over 23 years' experience developing and managing First Nations relationships, negotiating and implementing native title and land access agreements, managing cultural heritage, and working in the complex field of native title. My experience has focused on establishing relationships in the Goldfields and West Pilbara regions of Western Australia, which includes working with the native title claimant groups who asserted interests over the Burrup Peninsula (also known as 'Murujuga').

Role and responsibilities

8. I have worked at Woodside for over 12 years, where my roles have always been focused on Indigenous Affairs.
9. In my current role as [REDACTED] I have worked on a range of projects, but primarily on the identification, advocacy, protection and management of Indigenous rights and interests – including for the Scarborough Project.
10. My current responsibilities include:
 - (a) managing Woodside's relationships and agreements with First Nations groups, including within the Murujuga (Burrup Peninsula) area;
 - (b) coordinating Woodside's Reconciliation Action Plan; and
 - (c) providing strategic advice on native title requirements and Aboriginal cultural heritage to help Woodside consider First Nations' interests and outcomes in the early planning and development phases of its Liquefied Natural Gas, condensate production and export facility projects.
11. As part of my role, I have been involved in and supervised various consultations that Woodside has undertaken by reason of the requirements in Division 2.2A of the *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009* (Cth) (**Environment Regulations**). This includes consultations undertaken by Woodside for the Scarborough 4D B1 Marine Seismic Survey Environment Plan (**Seismic Survey EP**).

Consultation with the Traditional Custodians

12. Figure 5-3 of the Seismic Survey EP illustrates the relevant Operational Area and the Environment that May Be Affected (**EMBA**).
13. Murujuga is an area that is coastally adjacent to the Seismic Survey EP EMBA. Murujuga is the language name for the entirety of the area encompassing the Burrup Peninsula, being land and sea country, consisting of a narrow peninsula of land plus 42 islands located near the town of Dampier in the Pilbara.
14. Woodside has more than 35 years of operating experience in this region. Woodside and the First Nations Team have developed mature relationships with the Traditional Owners and Custodians located in the Murujuga area, in addition to continuing to develop relationships with emerging stakeholders.
15. Consistent with Woodside's objective of building respectful relationships and partnerships with First Nations communities where it is active, each member of the First Nations Team is responsible for managing certain relationships to establish a



rapport and maintain continuity with external stakeholders. We aim to send the same person to consult with a given community every time there is a consultation.

16. I manage Woodside's relationship with the Murujuga Aboriginal Corporation (**MAC**).
17. Woodside has conducted formal consultation with MAC in respect of Woodside's growth projects, including the broader Scarborough Project, since late-2018. This consultation with MAC has also included engaging with heritage experts to conduct archaeological and ethnographic assessments.
18. I am aware from my dealings with MAC that it was incorporated in 2006. It is the Nominated Representative Corporation under the Burrup and Maitland Industrial Estates Agreement (**BMIEA**), which is coastally adjacent to the EMBA and underpins land access for the onshore component of the Scarborough Project.
19. MAC represents the members of overlapping Native Title claims over Murujuga, collectively known as the Ngarda-Ngarli, which comprises the following five Murujuga Traditional Owner groups:
 - (a) Ngarluma People;
 - (b) Yindjibarndi People;
 - (c) Yaburara People;
 - (d) Mardudhunera People; and
 - (e) Wong-Goo-Tt-Oo People.
20. I understand from my dealings with MAC that it currently has a membership in excess of 1,200 members.
21. I understand from my dealings with MAC that it also owns and co-manages the Murujuga National Park, is responsible for the Dampier Archipelago National Heritage Place, and is progressing the World Heritage Nomination of the Murujuga Cultural Landscape. The EMBA does not overlap with the Murujuga National Park.
22. Woodside has consulted with MAC, its Circle of Elders and the Wirrawandi Aboriginal Corporation (**WAC**), which is the Native Title Prescribed Body Corporate for the Yaburara and Mardudhunera peoples, about cultural authority, cultural knowledge and cultural holders. These consultations have occurred over several years. The feedback given to Woodside has remained consistent, being that MAC and WAC are the recognised representative bodies that represent their members to speak with 'one voice' to provide governance and advice on issues related to traditional Aboriginal cultural knowledge.

23. Woodside also consulted with Yamatji Marlpa Aboriginal Corporation (**YMAC**), as the Native Title Representative Body for the Yamatji and Pilbara regions of Western Australia and the nominated representative for Nganhurra Thanardi Garbu Aboriginal Corporation, to confirm the best approach to identify additional cultural values (if any) for the broader Scarborough Project, including the EMBA for the Seismic Survey EP. I am informed by [REDACTED] at Woodside, and duly believe, that YMAC informed Woodside that the most appropriate stakeholders for the Scarborough Project generally are MAC and the Ngarluma Aboriginal Corporation, who are not represented by YMAC.
24. [REDACTED] at Woodside is the primary person responsible for managing Woodside's relationship with Ngarluma Aboriginal Corporation.
25. [REDACTED] under my supervision and with [REDACTED] assistance, is the primary person responsible for managing Woodside's relationship with Save our Songlines (**SOS**).

Woodside's historical engagement with Ms Raelene Cooper as a former MAC Board member

26. I know the Applicant, Ms Raelene Cooper, is a former board member and former chair of MAC. To the best of my knowledge, Ms Cooper was a MAC Board member from around 2016 until she resigned from the MAC Board in around February 2022.
27. I am aware from a conversation between myself and Ms Cooper, and through my ongoing communications with the MAC Board and Circle of Elders that Ms Cooper identifies as a Mardudhunera woman.
28. Woodside first established its relationship with Ms Cooper around 2015 when she provided input to MAC's Murujuga Cultural Management Plan, which was funded by Woodside, and when she joined the MAC Board in around 2016.
29. From around late-2018, Woodside began consulting with MAC (including Ms Cooper) regarding potential growth opportunities. Woodside's discussions with MAC focused on what a potential benefit sharing arrangement might look like if Woodside expanded its operations in Murujuga.
30. Ms Cooper was involved in my discussions with the MAC Board, executive management team and Circle of Elders regarding Woodside's activities and potential projects located in or adjacent to Murujuga.
31. For example, on 30 March 2021, Ms Cooper and several MAC Board members travelled to Perth to meet with Woodside [REDACTED] and senior [REDACTED]

executives. I attended that meeting. Ms Cooper participated in discussions about maintaining respectful relationships and continuing support for MAC to achieve positive sustainable outcomes for its members as a result of Woodside's ongoing interests and operations on Murujuga.

32. This consultation resulted in the signing of the MAC Forward Plan Agreement (2019), in addition to the benefit sharing and conservation agreements related to the Scarborough Project with MAC:

- (a) the BMIEA undertakings in 2007; and
- (b) the Burrup Conservation Agreement (2007) reaffirmed through the Ngajarli Joint Statement (2017).

33. In 2019, Woodside voluntarily signed an extended Forward Plan Agreement with MAC in contemplation of the expanded growth activities in respect of the Pluto Train 2 and Scarborough projects. The MAC Forward Plan Agreement builds on the existing support that Woodside provides for the protection, preservation, and management of the nationally heritage-listed Burrup Peninsula.

34. The MAC Board, which included Ms Cooper, approved the MAC Forward Plan Agreement in December 2019.

35. To the best of my knowledge, on or about 19 November 2021, Ms Cooper and Ms Josie Alec co-founded SOS, with the launch of the SOS Facebook page. Annexed and marked [REDACTED] 1 is a true copy of a screenshot of the SOS Facebook page, which shows a creation date of 19 November 2021.

36. The website of SOS, which is accessible at <https://www.saveoursonglines.org/>, states that the objective of SOS is to '*stop new industry on the Burrup from damaging our Songlines, our rock art, our health and our climate*'. SOS opposes the planned expansion of the Burrup Hub, including the Scarborough Project. Annexed and marked [REDACTED] 2 is a true copy of a screenshot of the SOS website.

Meeting with the MAC Board and Circle of Elders on 15 December 2021

37. On 15 December 2021, I attended an in-person meeting with the MAC Board and Circle of Elders for the purpose of delivering a general presentation on the Scarborough Project and the proposed growth activities in the Burrup Hub area (**December 2021 MAC Meeting**). [REDACTED]

[REDACTED] also attended from Woodside.

38. At the time of the December 2021 MAC Meeting, Ms Cooper was still on the MAC Board.
39. The Woodside meeting notes are contained on page 263 of Part 1 of the Sensitive Information Report (Revision 6, June 2023) for the Seismic Survey EP (***Sensitive Information Report, Part 1***). Annexed and marked Confidential Annexure [REDACTED]-3 is a true copy of pages 263 to 359 the Sensitive Information Report, Part 1.

Woodside's consultation with SOS

40. Section 2.23, pages 263 to 359 of the Sensitive Information Report, Part 1, contains both file notes of meetings and all of the correspondence exchanged between Ms Cooper, Ms Alec, SOS, Ms Cooper's solicitors, the Environmental Defenders' Office (***EDO***), and Woodside between 15 December 2021 and 1 June 2023.
41. Ms Cooper, through the EDO, informed Woodside that the preferred method of consultation was in-person. Woodside has sought to accommodate this request where possible.
42. Overall, our approach to consultation with Ms Cooper and SOS is that we have been guided by their requests and we have incorporated their requirements into our consultation process. We have endeavoured to accommodate every request made by Ms Cooper with respect to organising consultation.
43. I am informed by [REDACTED] and duly believe, that Ms Jessica Border of the EDO has filed an affidavit dated 7 September 2023 (***Second Border Affidavit***) setting out Ms Cooper's account of the consultation that has occurred. I note that, as noted at paragraph 83 below, I have been shown an extract containing paragraphs 11 to 22 of the Second Border Affidavit. However, I have not seen or read any other sections of the Second Border Affidavit, including the sections that contain Ms Cooper's account of the consultation.

Correspondence and engagement with SOS during 2022

44. On or about 24 March 2022, Woodside attempted to have a meeting with SOS. A true copy of the relevant correspondence in this regard is contained at pages 26-27 of Confidential Annexure [REDACTED]-3.
45. Several attempts were made to arrange a further meeting with SOS at another time during 2022.
46. On 2 August 2022, I wrote to the Ngarluma Yindjibarndi Foundation Limited regarding its offer to facilitate a meeting between Woodside and SOS for the purpose of exchanging information about Woodside's operations and development projects on



Murujuga, particularly the Scarborough Project, and to draw out the specific concerns that SOS held in relation to Woodside's current and proposed activities. A true copy of this correspondence is contained at page 38 of Confidential Annexure [REDACTED] 3.

47. This proposal did not progress due to other community priorities, which included native title and Aboriginal Corporation annual general meetings that needed to be conducted within specific timeframes and ahead of the commencement of the Cultural Law Business period.
48. On 29 September 2022, [REDACTED] subsequently wrote to Ms Cooper and Ms Alec to introduce herself and to suggest that a meeting be held on 10 October 2022 in Karratha. [REDACTED] did not receive a response to this email. A true copy of this correspondence is contained at pages 43-44 of Confidential Annexure [REDACTED] 3.
49. [REDACTED] sent emails and text messages to Ms Cooper and Ms Alec, and spoke to Ms Alec on the phone, in the days beforehand to try and confirm the meeting on 10 October 2022. Ms Cooper and Ms Alec did not confirm whether they would attend the meeting. True copies of this correspondence are contained at pages 43-46 of Confidential Annexure [REDACTED] 3.
50. [REDACTED] at Woodside, flew from Perth to Karratha for the meeting on 10 October 2022. Ms Cooper and Ms Alec did not attend, nor did anyone else from SOS.
51. There was another attempt by Woodside to organise a meeting with Ms Cooper, Ms Alec, and SOS in Karratha in late 2022.
52. On or around 8 November 2022, the National Offshore Petroleum Safety and Environmental Management Authority (*NOPSEMA*) sent [REDACTED] a copy of a letter from Ms Cooper and Ms Alec. The letter proposed some dates for a meeting in November 2022 and requested at least four weeks' notice for meetings in future.
53. On 22 November 2022, [REDACTED] sent an email to Ms Cooper and Ms Alec confirming a meeting with SOS in Karratha on Tuesday, 29 November 2022 (being one of the dates suggested by SOS). A true copy of this correspondence is contained at pages 48-49 of Confidential Annexure [REDACTED] 3.
54. On 24 November 2022, [REDACTED] received a letter from Ms Cooper and Ms Alec requesting:
 - (a) clarity on the intended scope and purpose of the meeting;
 - (b) confirmation that Woodside accepts their 'relevant persons' status; and
 - (c) certain information from Woodside.

[REDACTED]

A true copy of this correspondence is contained at pages 50-51 of Confidential Annexure [REDACTED] 3.

55. During December 2022 and January 2023 several emails were exchanged between Woodside and Ms Cooper and Ms Alec regarding a potential meeting. The Woodside emails originated from a generic email address called 'Woodside Feedback' (feedback@woodside.com.au). True copies of this correspondence are contained at pages 51-55 of Confidential Annexure [REDACTED] 3.
56. By that correspondence, Woodside provided Ms Cooper and Ms Alec (amongst other things) the following information (as contained at page 52 of Confidential Annexure [REDACTED] 3):
 - (a) the Seismic Survey EP Consultation Information Sheet and a link to the accompanying EP, which had been available on the NOPSEMA website since 18 October 2021;
 - (b) the D&C EP Consultation Information Sheet, and a link to the accompanying EP, which had been available on the NOPSEMA website since November 2021;
 - (c) the SITI EP Consultation Information Sheet and a link to the accompanying EP, which had been available on the NOPSEMA website since 13 January 2022;
 - (d) the State Waters EP Consultation Information Sheet and a link to the accompanying EP, which had been available on the NOPSEMA website since March 2022; and
 - (e) the Subsea EP Consultation Information Sheet and a link to the accompanying EP, which had been available on the NOPSEMA website since 21 October 2022.
57. I understand that in the Pilbara, November to March, is usually Cultural Law time, which means the availability of Traditional Owners to meet for consultation is constrained. I recall that we continued to make attempts to arrange a meeting for a time convenient for Ms Cooper and Ms Alec.

Meeting with SOS on 14 March 2023

58. The first in-person meeting with Ms Cooper and Ms Alec occurred on 14 March 2023, at Hearson's Cove, near Karratha (**March 2023 SOS Meeting**).
59. An agenda and protocols for the meeting were agreed prior with the EDO.



60. On 24 February 2023, Ms Hamilton of the EDO sent an email to Woodside which stated:

In respect of the cultural protocols for information sharing, as some information is highly sensitive, our clients require assurance that it will be treated with the utmost confidentiality and only accessible by a specific nominated person. This person must be female. Our clients request contact details for the female person that will receive the information and provide an assurance that Woodside will manage the information we provide so that it is not accessed, purposely or inadvertently, by anyone other than the nominated person. Our clients do not guarantee that these arrangements alone will be sufficient for all information relevant to their functions, interests and activities and the risks and impacts of Woodside's activities, however request that these arrangements be put in place as a starting point.

A true copy of that email is contained at page 57 of Confidential Annexure [REDACTED] 3.

61. On 1 March 2023, Woodside confirmed that [REDACTED] was the nominated person to receive sensitive information. A true copy of that email is contained at pages 57-58 of Confidential Annexure [REDACTED] 3.
62. On 8 March 2023, Ms Alaraibi sent an email to the EDO, Ms Cooper, and Ms Alec, which proposed an agenda for discussion that included the Seismic Survey EP, Drilling & Completions EP, Subsea Infrastructure Installation and Seabed Intervention and Trunkline Installation EP (collectively, the **Scarborough EPs**). A true copy of that email is contained at pages 58-59 of Confidential Annexure [REDACTED] 3.
63. I am informed by [REDACTED] and duly believe, that she spoke to Ms Alec over the phone prior to the March 2023 SOS Meeting to discuss the appropriate protocols, and that during this discussion:
- (a) [REDACTED] and Ms Alec agreed that only women would be in attendance and that there would be no recording of the meeting;
 - (b) [REDACTED] asked if there was anything that Ms Alec would like her to feed back to the Woodside team to ensure they were providing an environment that was culturally safe for them to speak with Woodside; and
 - (c) Ms Alec said words to the effect that Woodside should 'come with an open heart, deep listening, and respectful conversation'.
64. On 10 March 2023, [REDACTED] at Woodside, sent an email to the EDO, which set out the agreed protocols for the meeting. The protocols included:
- (a) a women-only meeting, in response to SOS' request that only women attend, so that women only cultural information could be shared at the meeting; and

- (b) written notes but not any audio or visual recording of the meeting to respect privacy, safety, and cultural values.

A true copy of that email is contained at pages 59-60 of Confidential Annexure [REDACTED] 3.

65. The attendees from Woodside were [REDACTED]
[REDACTED]
[REDACTED] from Woodside. The attendees from SOS were Ms Alec, Ms Cooper, an unidentified attendee, and also two lawyers from the EDO, Ms Clare Lakewood (Special Counsel) and Ms Ruby Hamilton (Solicitor).
66. I did not attend this meeting as [REDACTED] were already attending from the First Nations Team.
67. I am informed by [REDACTED] and duly believe, that the attendees provided a general overview of the Scarborough Project and the proposed activities under the Scarborough EPs and specific and tailored information including in relation to the Seismic Survey EP.
68. Woodside has chosen to treat the information provided by Ms Cooper, Ms Alec and SOS as sensitive information. Accordingly, the information that [REDACTED]
[REDACTED] recounted to me is contained in Confidential Annexure [REDACTED] 4.
69. Annexed and marked [REDACTED] 5 are true copies of the information sheets that Woodside handed out to the meeting attendees at the March 2023 SOS Meeting.
70. On 16 March 2023, the attendees at the March 2023 SOS Meeting sent a joint email to the EDO, Ms Cooper and Ms Alec, which provided a summary of the meeting. A true copy of that email is contained at pages 60-62 of Confidential Annexure [REDACTED] 3.
71. On 17 March 2023, Woodside sent an email and attachment to Ms Cooper, Ms Alec and SOS, which contained Woodside's responses to 'relevant objections, claims and additional information' raised in SOS' letters dated 6 June 2022, 26 September 2022 and 24 November 2022, including in relation to activities the subject of the Seismic Survey EP. A true copy of that email and its attachment is contained at pages 62-71 of Confidential Annexure [REDACTED] 3.
72. On 17 April 2023, Woodside sent a letter to NOPSEMA, which copied Ms Lakewood, in response to a letter from the EDO dated 6 April 2023 addressed to NOPSEMA and copied to Woodside. The letter from Woodside included an attachment titled, '*Attachment A – Engagements and consultation with Josie Alec and Raelene Cooper and Save our Songlines*'. That attachment listed five meetings, two attempted meetings, 19 emails, seven phone calls and 10 letters as part of Woodside's

[REDACTED]

engagement with SOS. A true copy of that letter and its attachment is contained at pages 94-107 of Confidential Annexure [REDACTED] 3.

73. On 9 May 2023, Woodside sent a further email to SOS responding to certain objections, claims and additional information raised by SOS. A true copy of the 9 May 2023 email and its attachment is contained at pages 111-121 of Confidential Annexure [REDACTED] 3.

Meeting with SOS on 25 July 2023

74. The next meeting held with SOS was on 25 July 2023, via Microsoft Teams (*July 2023 SOS Meeting*).
75. I did not attend the July 2023 SOS Meeting. [REDACTED] represented the First Nations Team at the July 2023 SOS Meeting.
76. I am informed by [REDACTED] and duly believe, that the attendees agreed to certain protocols before the July 2023 SOS Meeting, including that culturally sensitive information would not be recorded. Annexed and marked [REDACTED] 6 is a true copy of the correspondence between Woodside and the EDO about the protocols of this meeting.
77. I am also informed by [REDACTED] and duly believe, that the agenda for the July 2023 SOS Meeting was agreed beforehand and extended to discussion of the Scarborough EPs. Annexed and marked [REDACTED] 7 is a true copy of emails between [REDACTED] (Woodside) and Ms Jess Border and Ms Lakewood (EDO) between 18 July and 21 July 2023 which relate to the agenda for discussion at the July 2023 SOS Meeting.
78. In addition to [REDACTED] the July 2023 SOS Meeting was also attended by:
- (a) [REDACTED]
[REDACTED] from Woodside; and
 - (b) Ms Alec, Ms Cooper, and a relative of Ms Alec from SOS, and Ms Border and Ms Alina Leikin (Special Counsel) from the EDO.
79. I am informed by [REDACTED] and duly believe, that [REDACTED] delivered a presentation on the Scarborough Project activities, including the Scarborough EPs that were up to assessment with NOPSEMA. Annexed and marked [REDACTED] 8 is a true copy of the slide deck from this presentation, which was displayed online during the presentation.
80. I am also informed by [REDACTED] and duly believe, that throughout the presentation Ms Cooper and Ms Alec had been asking questions about the Scarborough Project generally, not just in relation to the Seismic Survey EP.

81. I am informed by [REDACTED] and duly believe, that:
- (a) Ms Cooper and Ms Alec asked several questions in relation to drilling;
 - (b) Ms Cooper and Ms Alec raised a concern that the seismic activities would impact on the whales' sonar, and the Songlines that run through the whales. In response, [REDACTED] explained that the seismic activity only travels for 17 kilometres, which is outside the whales' migratory pathway; and
 - (c) Ms Cooper and Ms Alec asked the Woodside attendees questions about the source of Woodside's information on whales and their migratory patterns, and also asked questions about the modelling for the EMBA and the science behind the Seismic Survey EP.

Information shared by Ms Cooper and Save Our Songlines

82. During the course of my interactions with Ms Cooper and SOS-affiliated members since November 2021, they have shared some information with Woodside about their functions, interests, and activities. For example, I know that SOS, and the broader Ngarda Ngarli, place significance on animals. Because of this cultural significance, Woodside has incorporated marine animal protections into the Seismic Survey EP.
83. As noted in paragraph 43 above, I have been shown an extract containing paragraphs 11 to 22 of the Second Border Affidavit, which set out Ms Cooper's interests, and her concerns about the potential environmental impacts of the activities under the Seismic Survey EP.
84. Before reading the extract containing paragraphs 11 to 22 of the Second Border Affidavit, I was not aware of:
- (a) the Whale Dreaming within Murujuga; and
 - (b) Ms Cooper and Ms Alec's carriage of a Whale songline.

Subsequent engagement with SOS since approval of Seismic Survey EP

85. Woodside has continued to exchange correspondence with Ms Cooper through her solicitors since June 2023.
86. As stated at paragraph 74 above, on 25 July 2023, Woodside conducted an in-person meeting with Ms Cooper, SOS and EDO. The meeting was audio-recorded with the agreement of the attendees.
87. On 27 July 2023, Woodside sent the audio-recording to the EDO.
88. [REDACTED] email referred to above in paragraph 87 also states that during the July 2023 SOS Meeting, Woodside offered to arrange fortnightly meetings to support

consultation. However, Ms Cooper and Ms Alec declined that offer and stated they would need at least six weeks to process the information and respond.

89. Since the July 2023 SOS Meeting, Woodside and the EDO have exchanged correspondence about an on-Country meeting in Karratha between Woodside, SOS, Ms Cooper and Ms Alec. Annexed and marked [REDACTED] 9 is a bundle containing true copies of this correspondence.
90. This further meeting on Country is scheduled for Tuesday, 12 September 2023.
91. Thereafter, Woodside, through my team, will continue to consult with Ms Cooper, Ms Alec and SOS while the Seismic Survey EP is live.

Confidentiality

92. The following annexures contain confidential information:
- (a) Confidential Annexure [REDACTED] 3, being a true extract of Part 1 of the Sensitive Information Report (Revision 6, June 2023) for the Seismic Survey EP contains confidential information; and
 - (b) Confidential Annexure [REDACTED] 4, being sensitive information regarding the consultation meeting with SOS on 14 March 2023.
93. These annexures are confidential because they contain 'sensitive information' within the meaning of regulation 4 of the Environment Regulations. This includes information that was given by a relevant person in consultation under regulation 11A and that the giver requested not be published.
-

94. The Environment Regulations provide that such information is not to be published (regulations 9(8), 9AB, 11(2A)(b) and (2B) and 11B(3)-(5)).

AFFIRMED at Perth, Western Australia on
11 September 2023

Before me:

A legal practitioner who has held a practice certificate for at least 2 years and who holds a current practice certificate

Schedule

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Respondents

Second Respondent: Woodside Energy Scarborough Pty Ltd
ACN 650 177 227

Third Respondent: Woodside Energy (Australia) Pty Ltd
ACN 006 923 879

Date: 11 September 2023



Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the annexure marked [REDACTED] produced and shown to [REDACTED] at the time
of affirming her affidavit this 11 September 2023.

Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd,
the Second and Third Respondents

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Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the annexure marked [REDACTED]-2 produced and shown to [REDACTED] at the time
of affirming her affidavit this 11 September 2023.

Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd,
the Second and Third Respondents

Prepared by: Jeremy Quan-Sing

Law firm: Allens

Tel: (08) 9488 3700

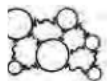
Fax: (08) 9488 3701

Email: Jeremy.Quan-Sing@allens.com.au

Address for service:

Level 11, Mia Yellagonga Tower 2, 5 Spring Street, Perth WA 6000

Email: Jeremy.Quan-Sing@allens.com.au



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March for Murujuga Country



Wayiba, Wanthiwa!

We acknowledge the Ngarluma people, the Traditional Owners and Custodians of the land on which we live and work.

This website may contain images and recordings of people who have died. Please respect their memories.

Murujuga is a place of worship. Our rock art tells our stories; it is our Bible. We practise and continue to follow our cultural protocols, passing down knowledge of Lore and culture. As custodians we are entrusted to carry on our traditional customs.

We are joining together to stop new industry on the Burrup from damaging our Songlines, our rock art, our health and our climate. We oppose planned expansion of Burrup Hub industry by Woodside, Perdaman and Yara.

[Donate](#)



Statement on Channel 7 Regional News coverage

Statement by Raelene Cooper,
Save Our Songlines
spokesperson: "Last night, I wa...

Murujuga Traditional Custodians say expanding Burrup...

Murujuga Traditional
Custodians have called for a
moratorium on further...

Statement on Art Gallery of WA protest

Statement from Raelene
Cooper, Mardudhunera
woman and former Chair of...



Our Heart Call to Action

1. Remove gag clauses on Traditional Owners preventing us from speaking out.
2. Provide independent funding to Murujuga Aboriginal Corporation so it does not have to do deals with Woodside to manage cultural heritage.
3. Put an immediate pause on the Scarborough gas project until Traditional Owners can be properly consulted and make an informed decisions.

Support



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[Join our Supporters Mailing List](#)

Contact: info@saveoursonglines.org

Media enquiries: media@saveoursonglines.org

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Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the confidential annexure marked [REDACTED] 3 produced and shown to [REDACTED]
at the time of affirming her affidavit this 11 September 2023.

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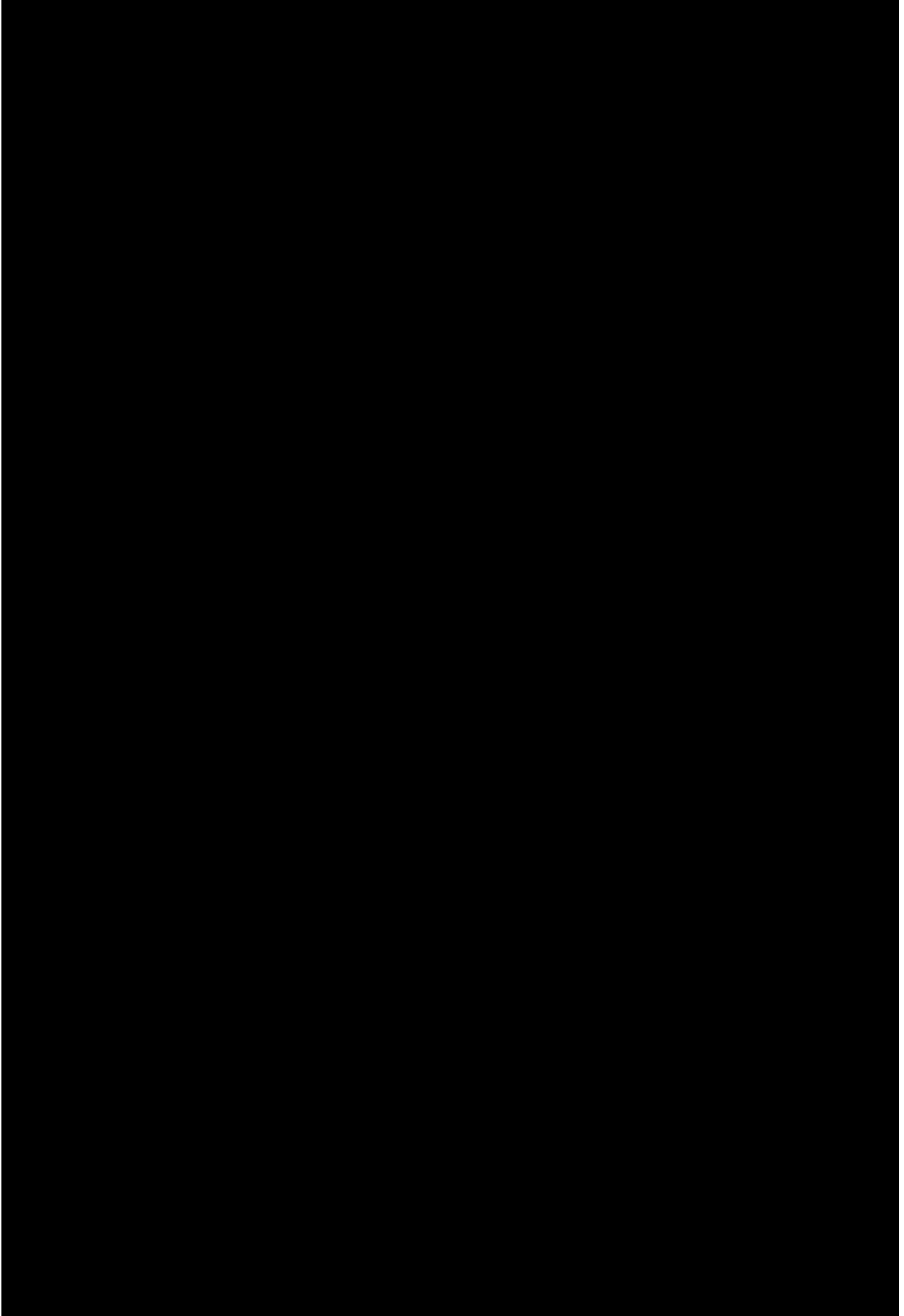
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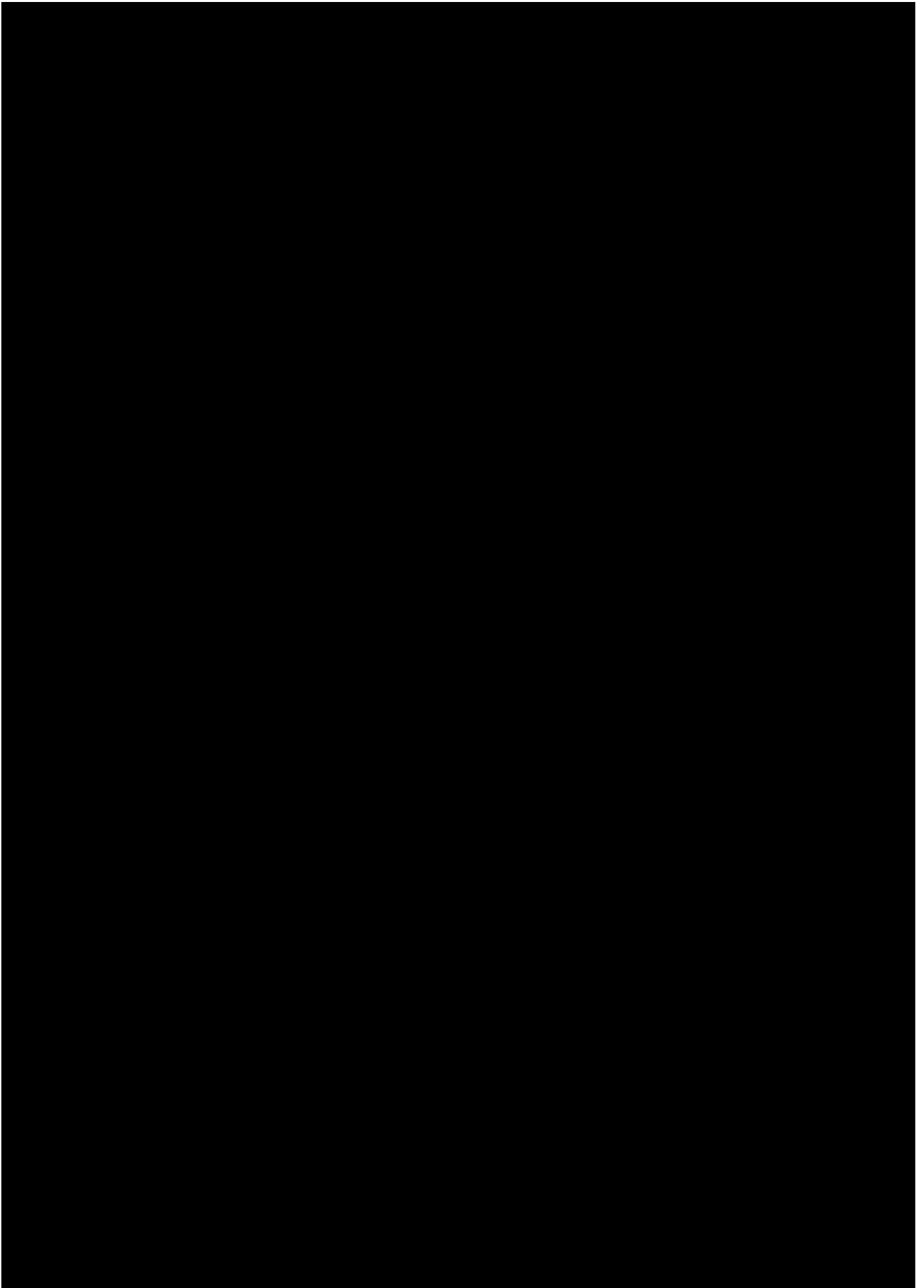
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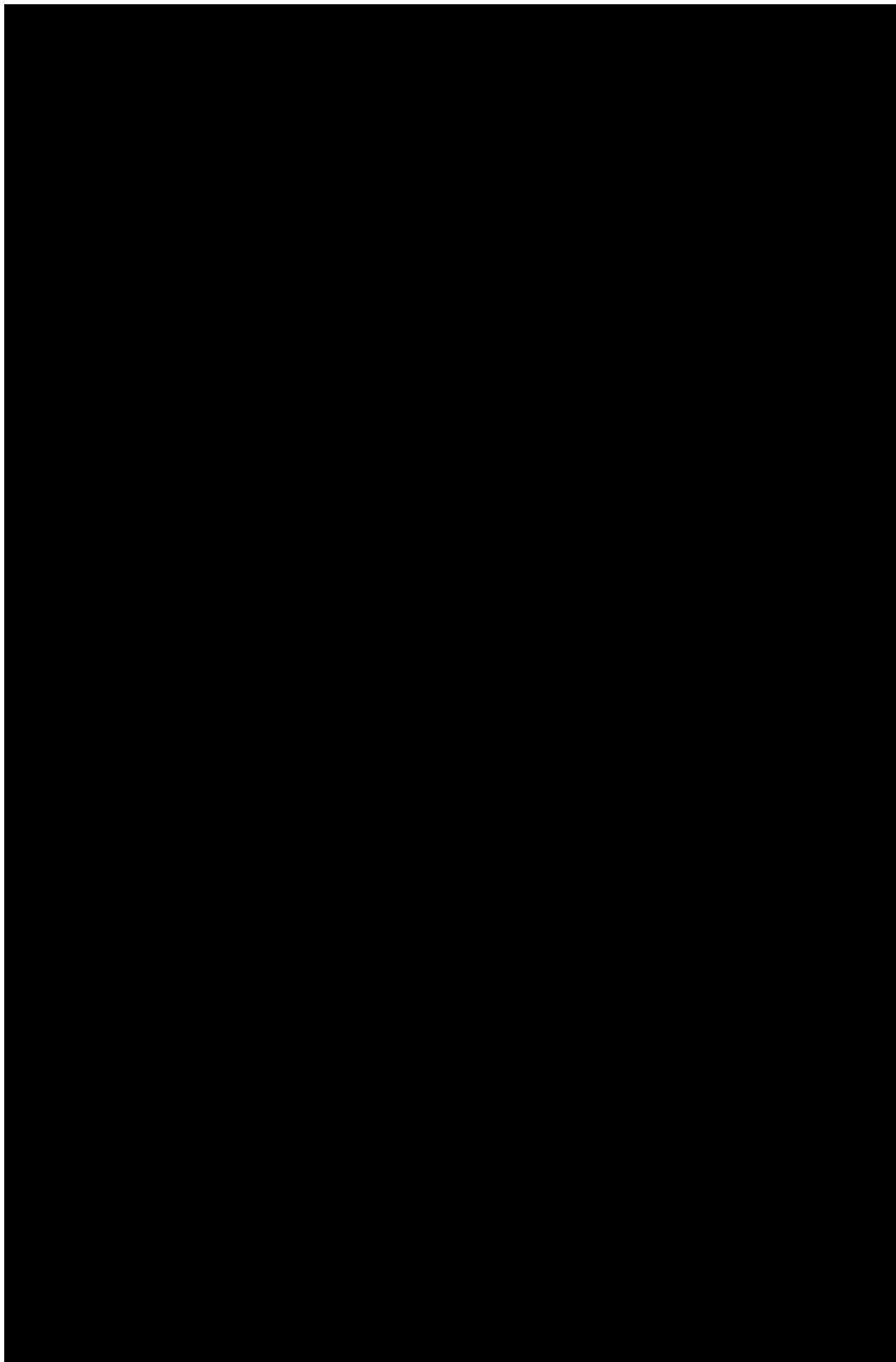
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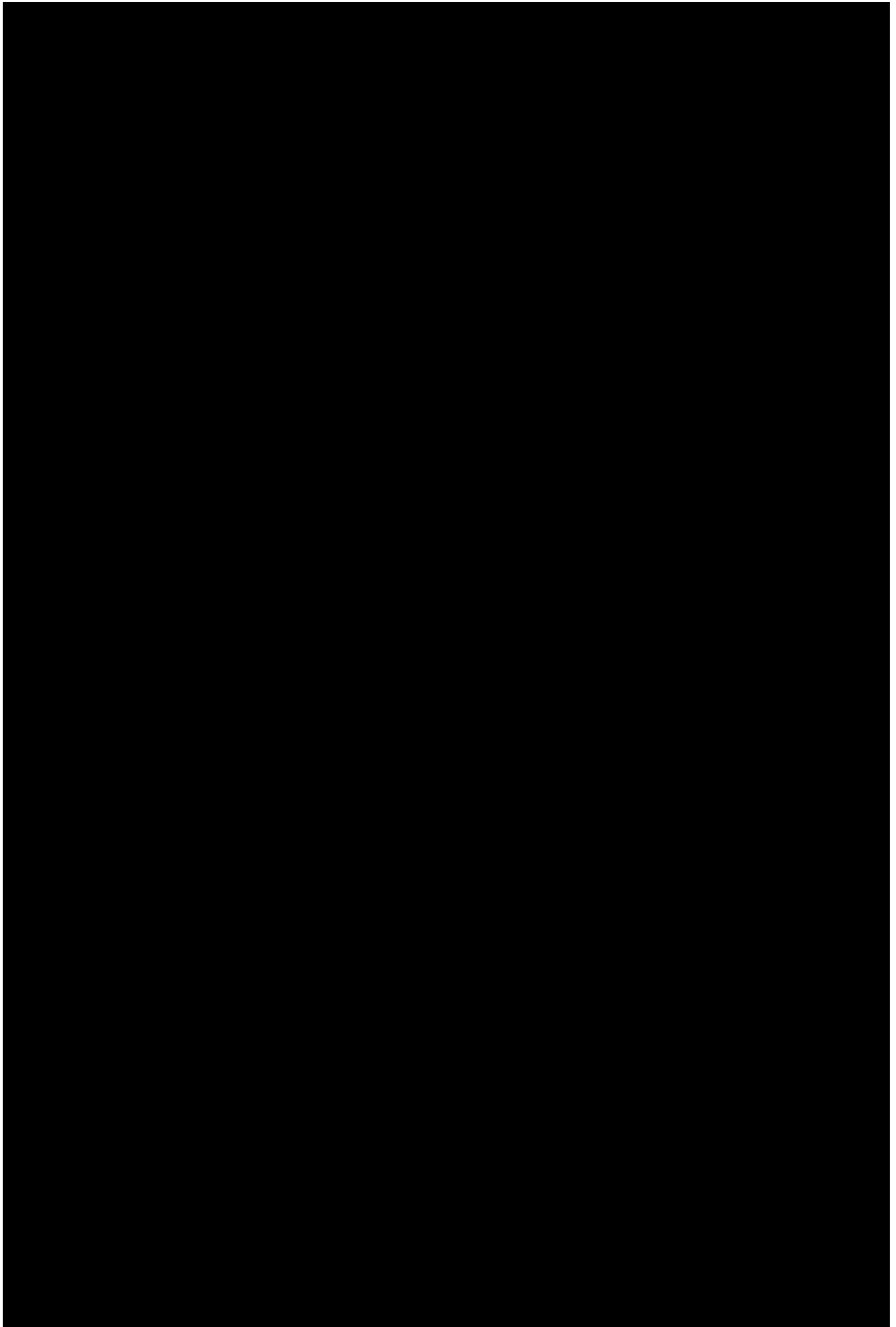
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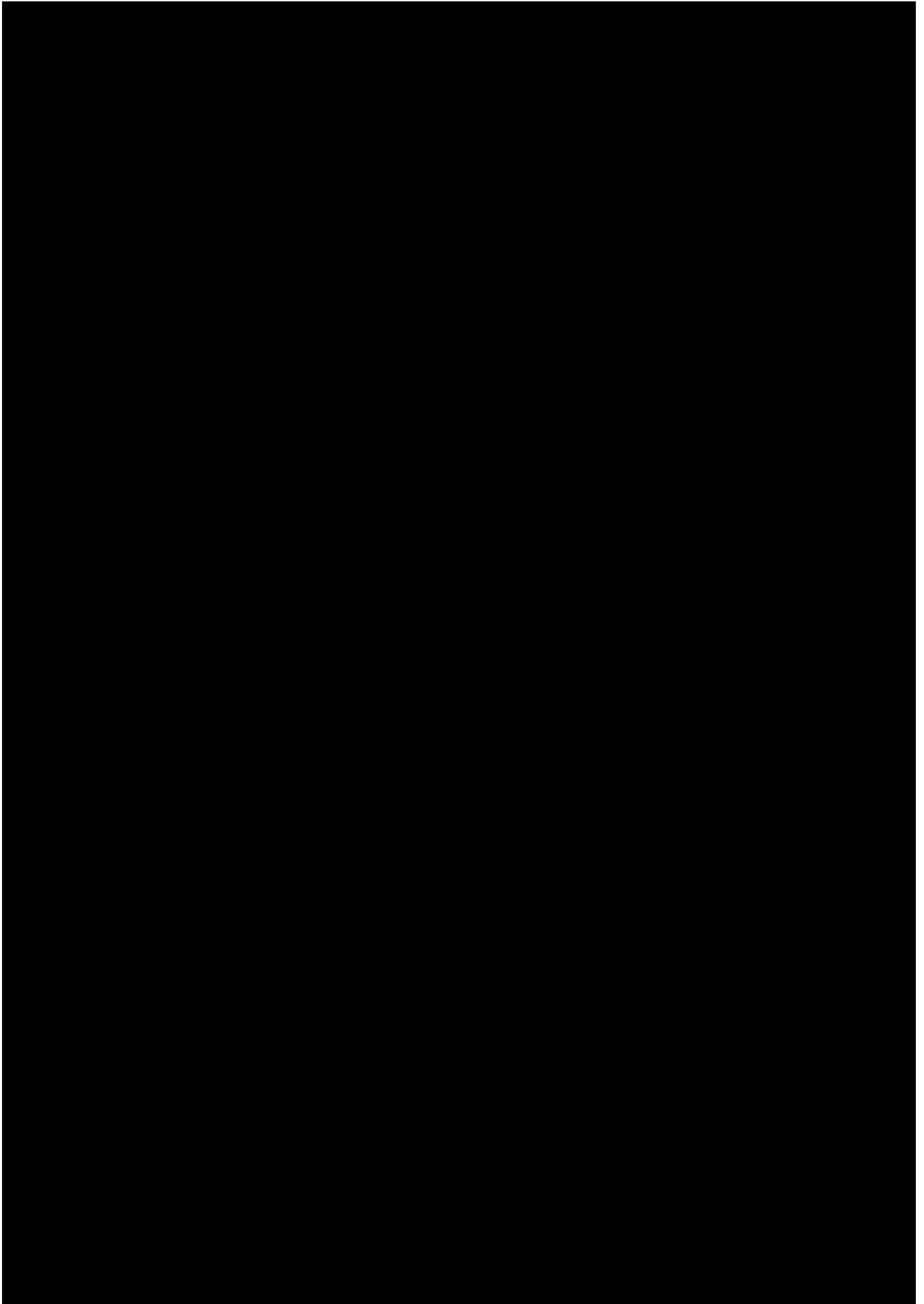
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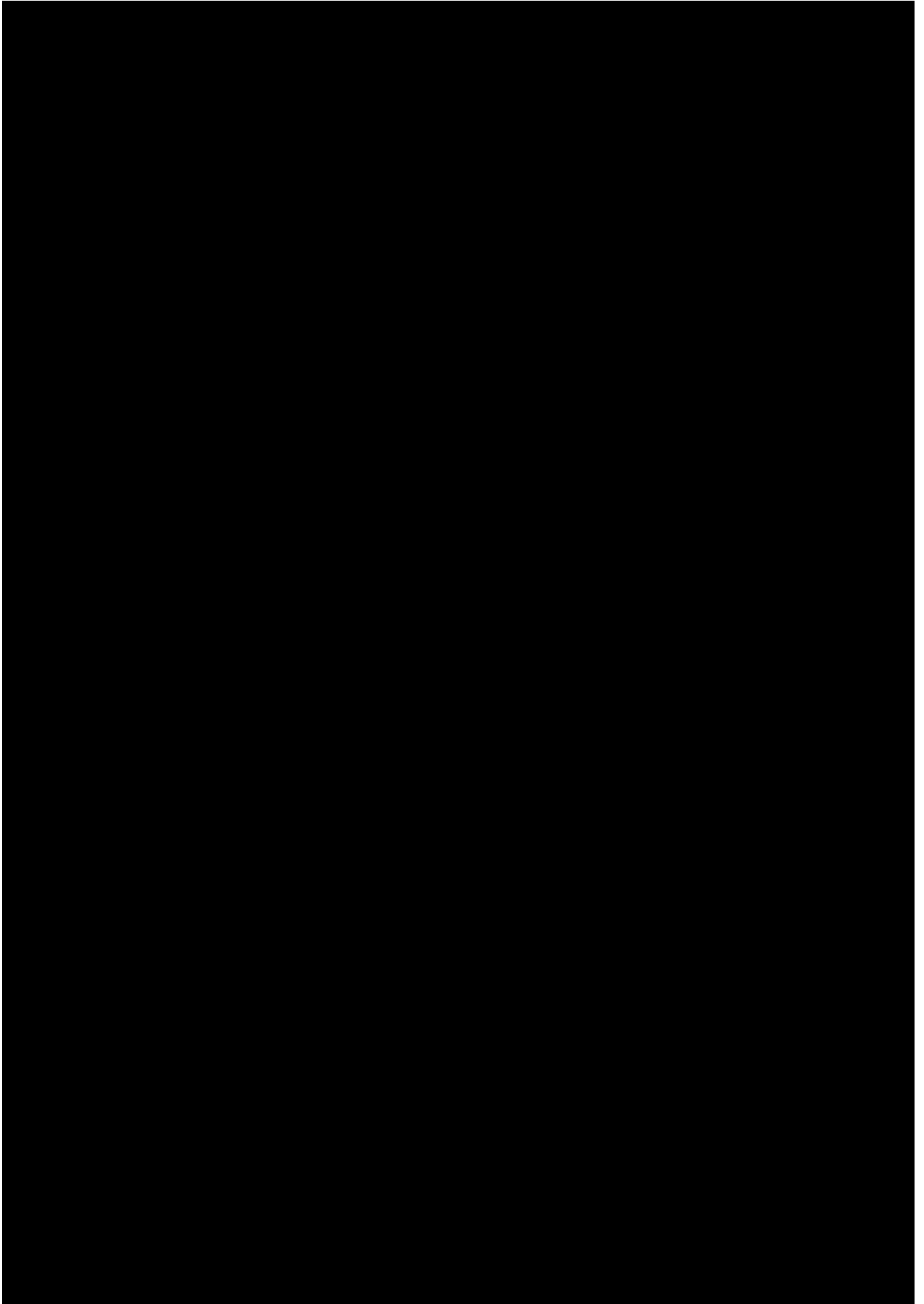


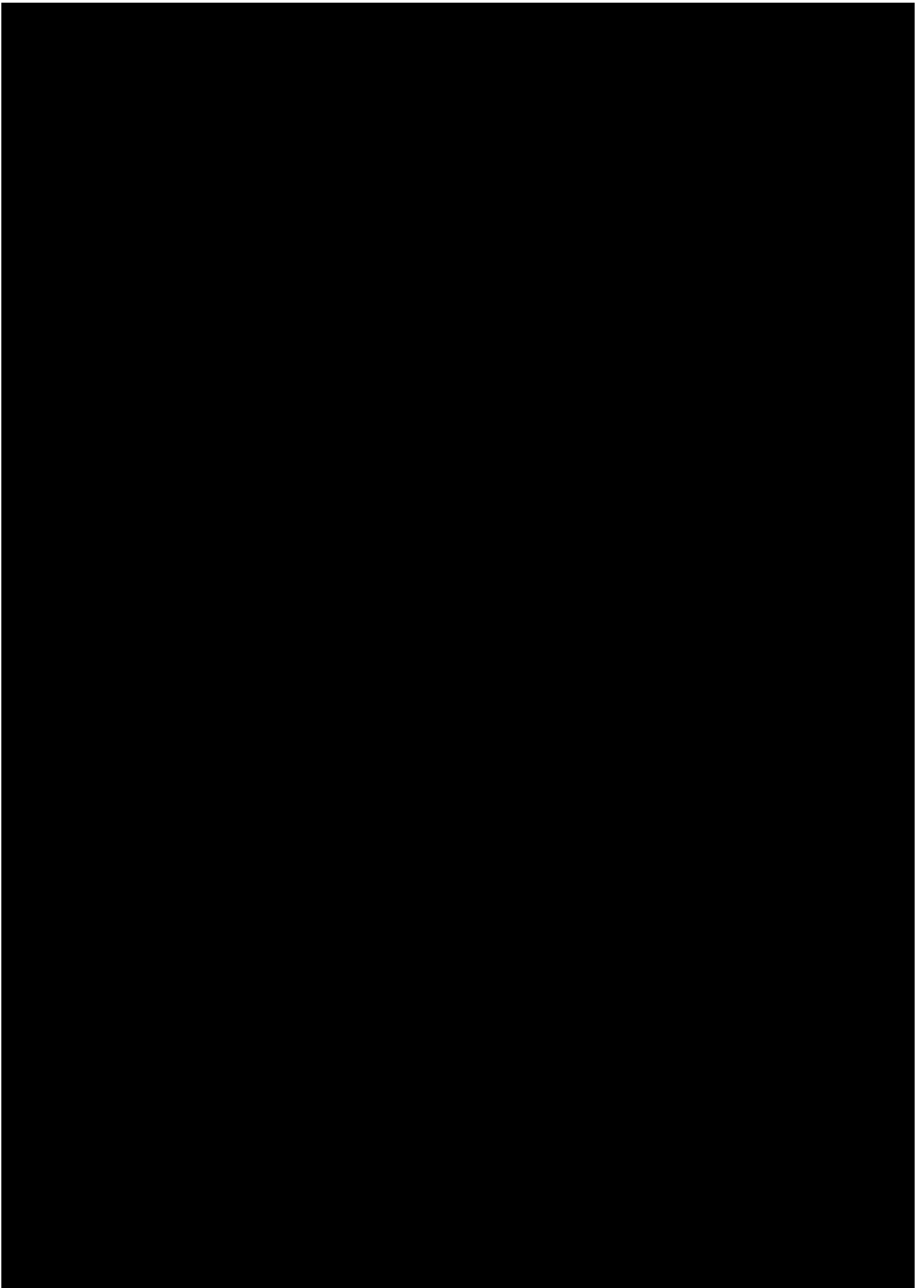


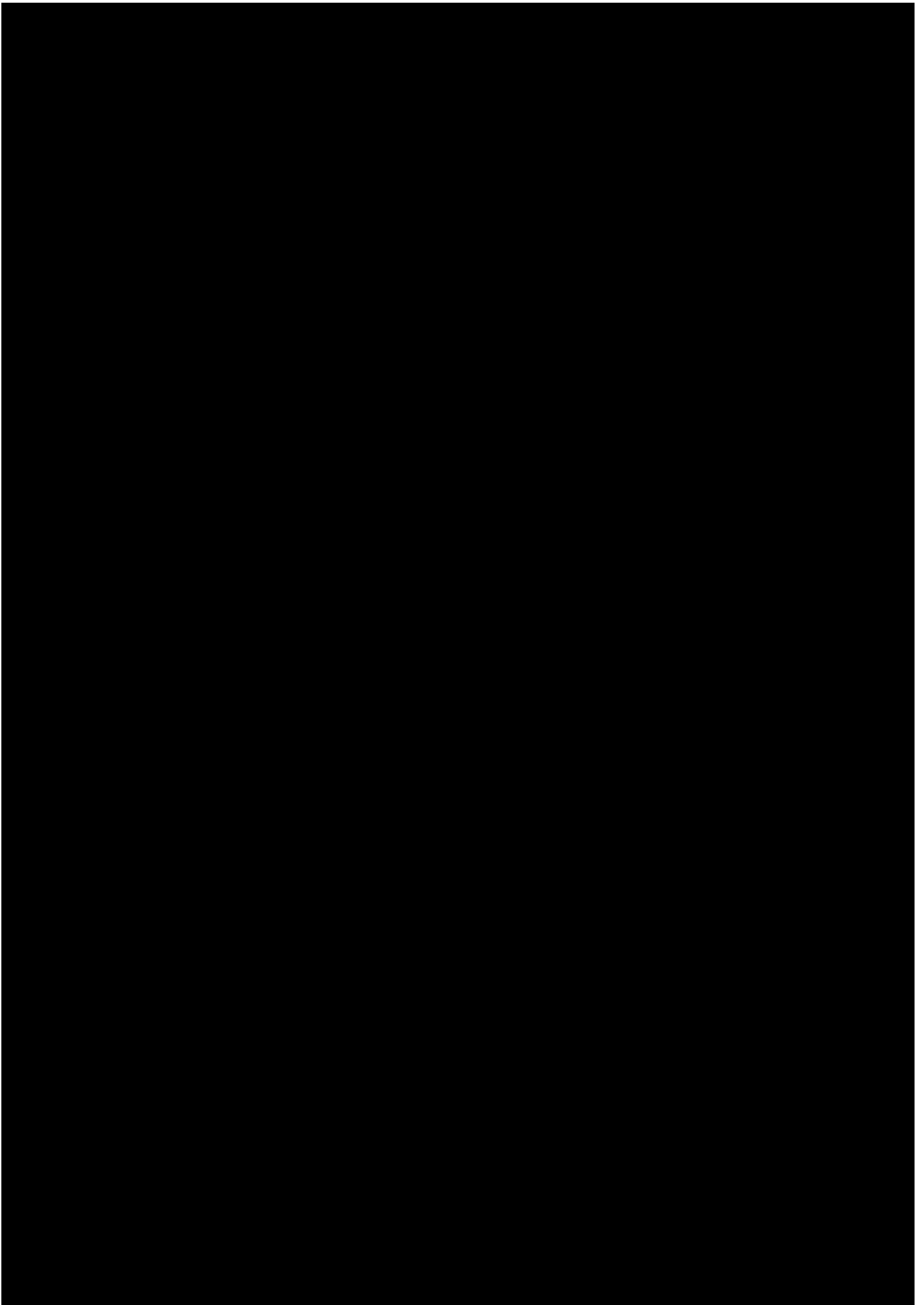


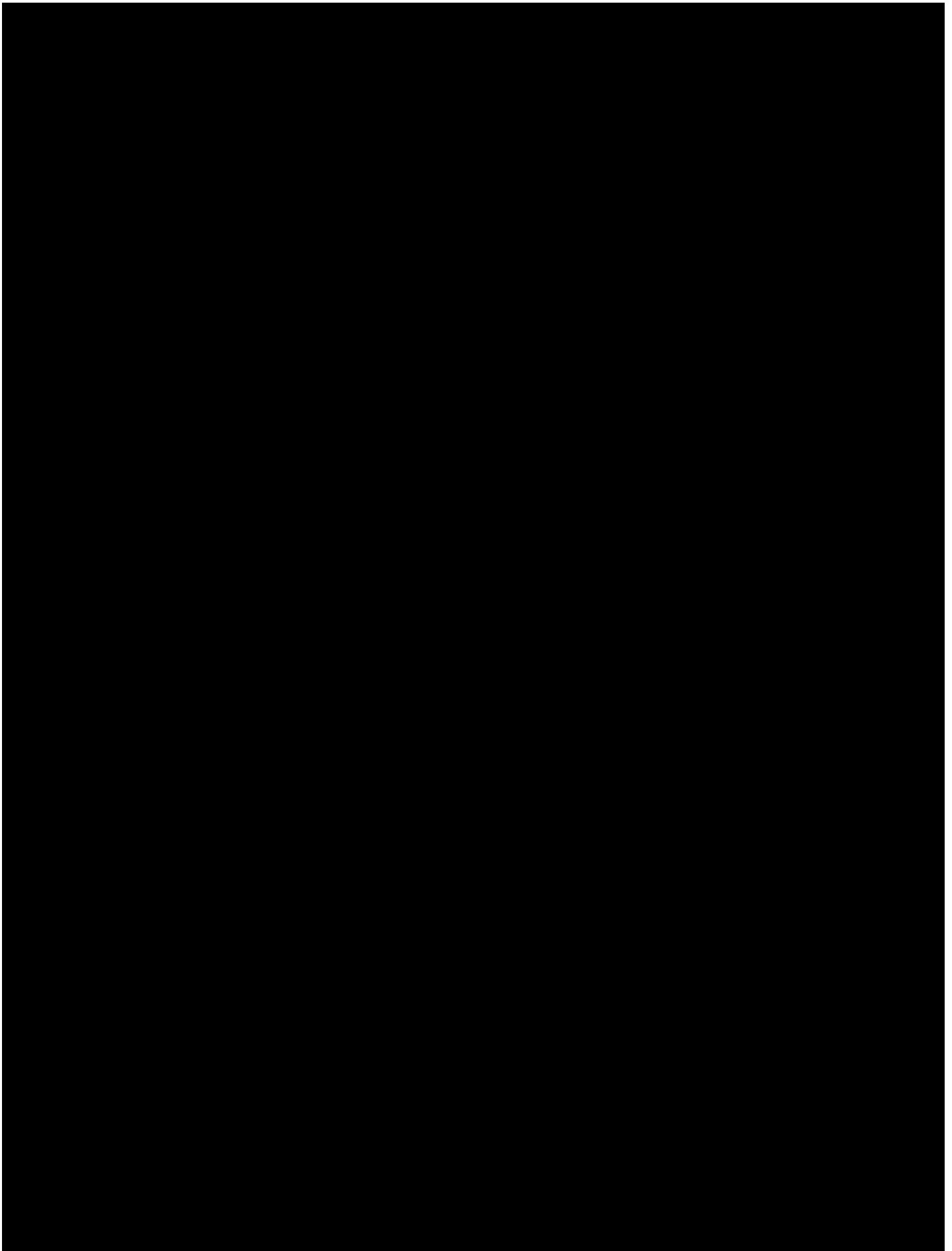


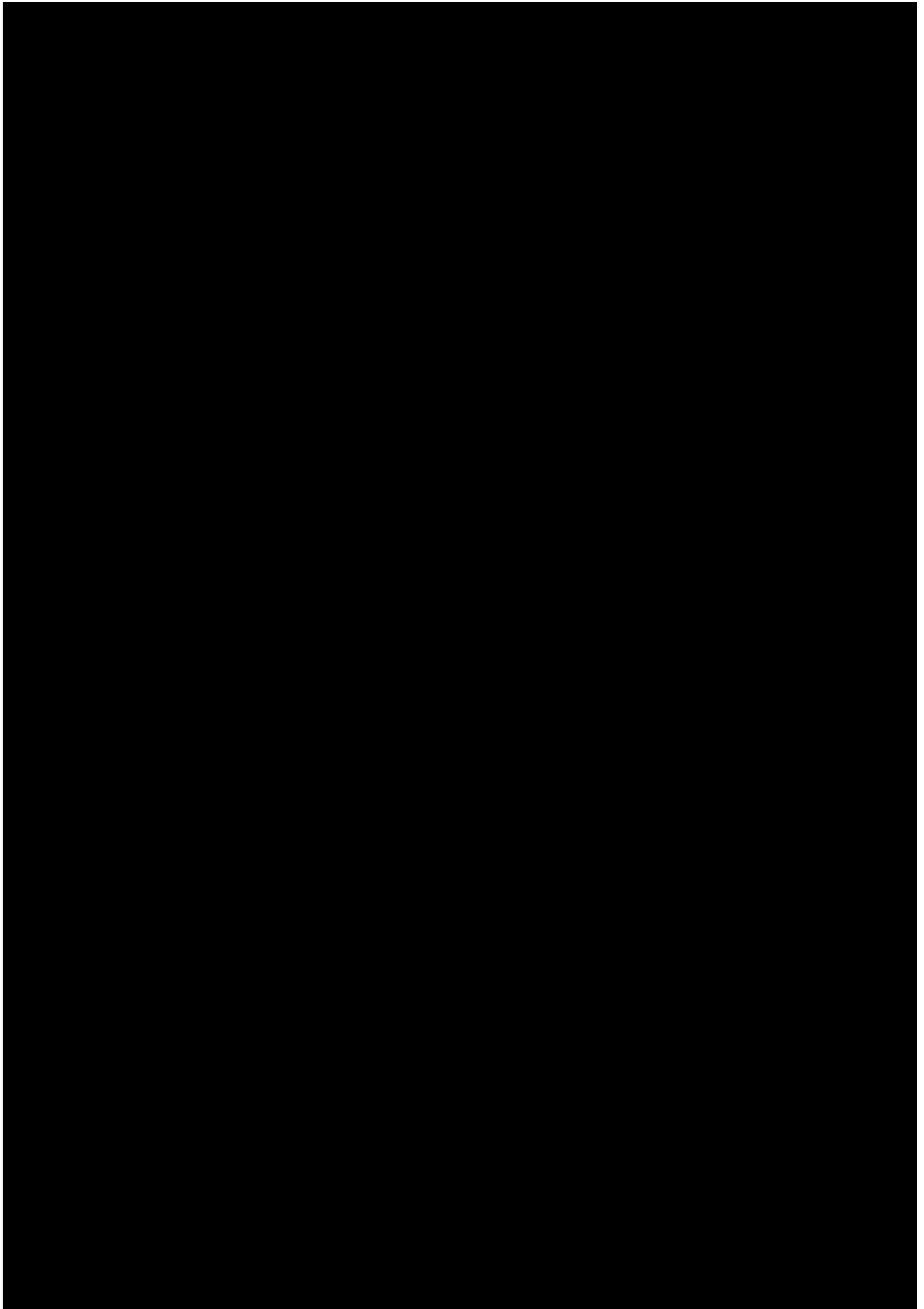


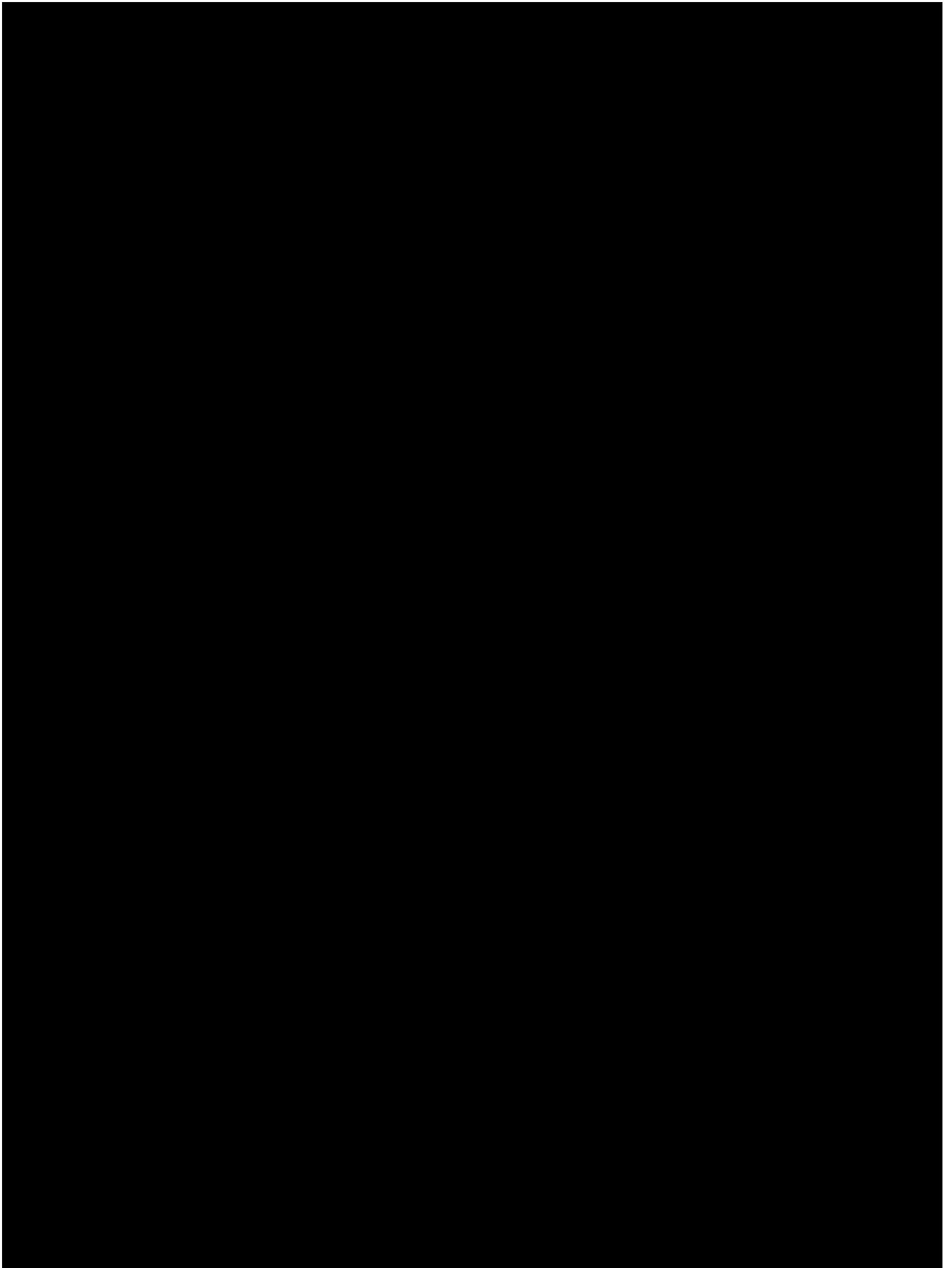


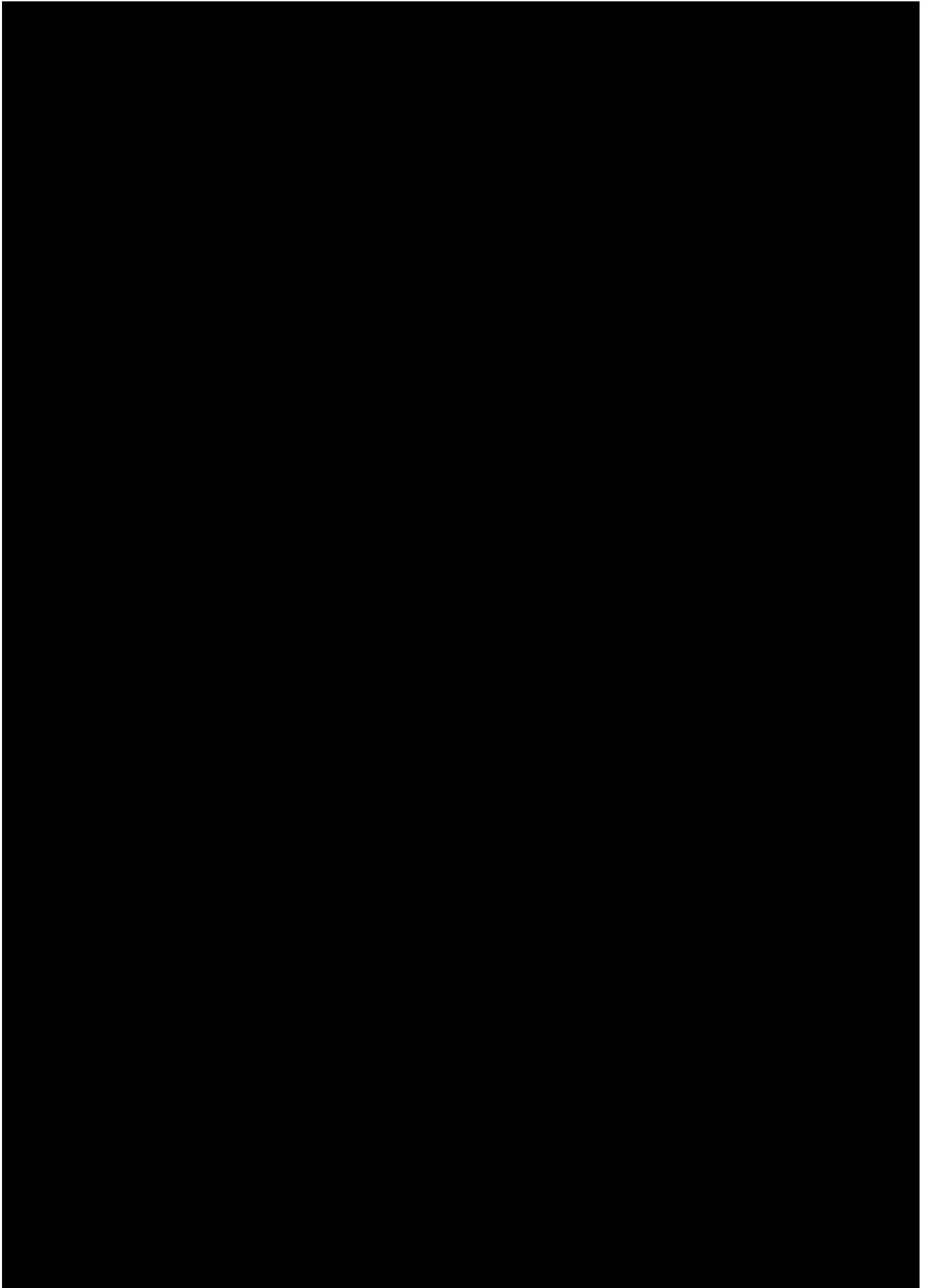


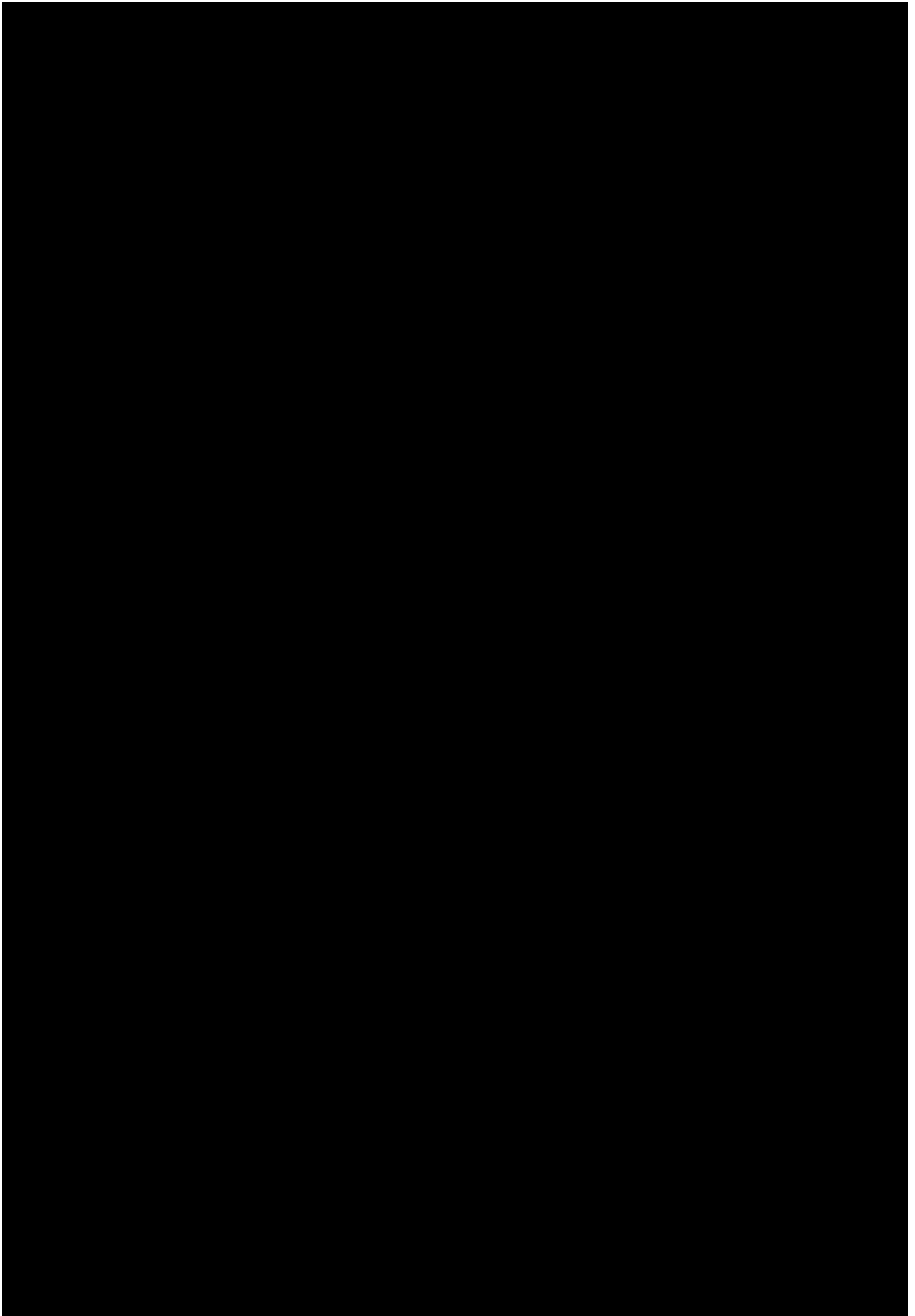


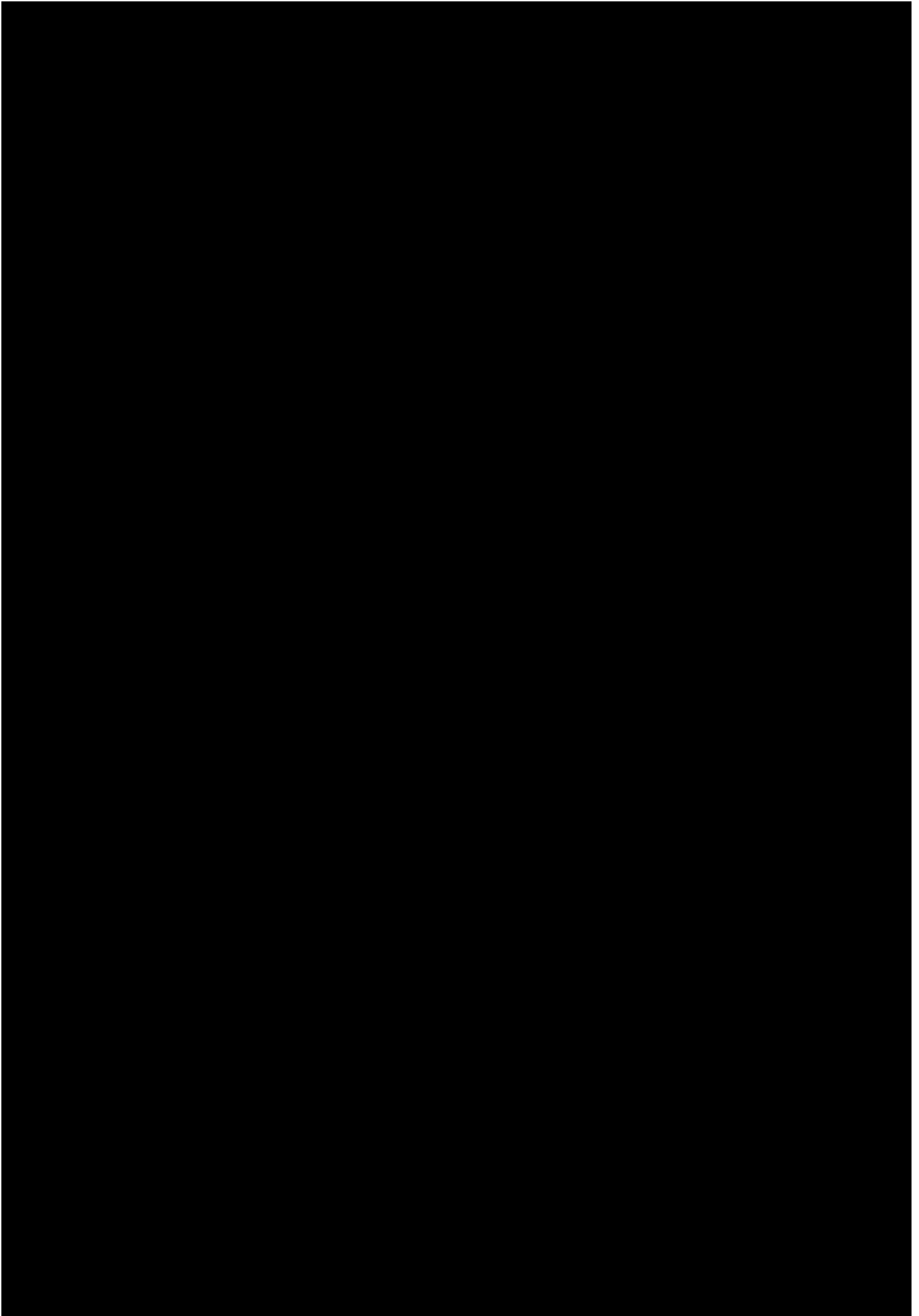


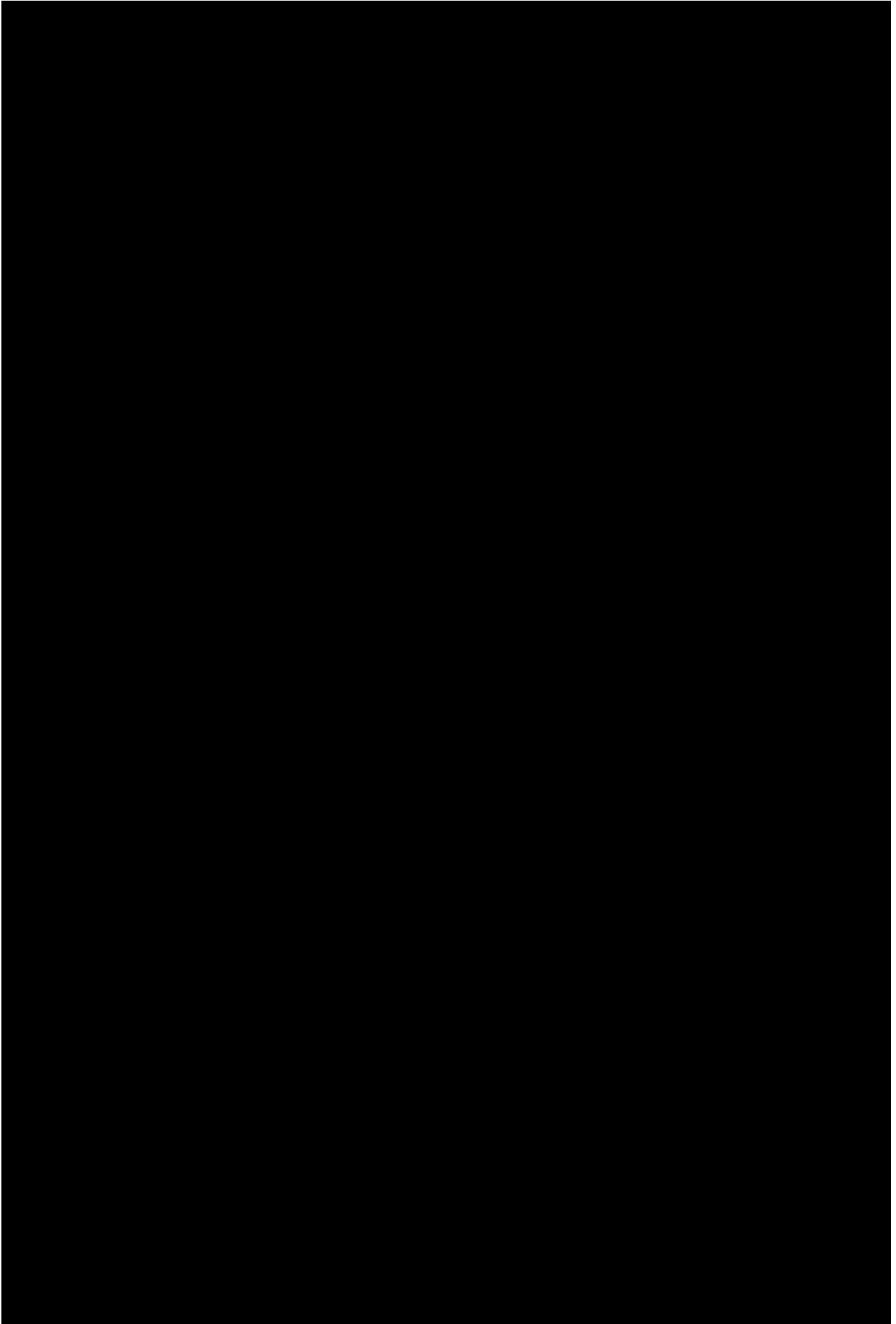


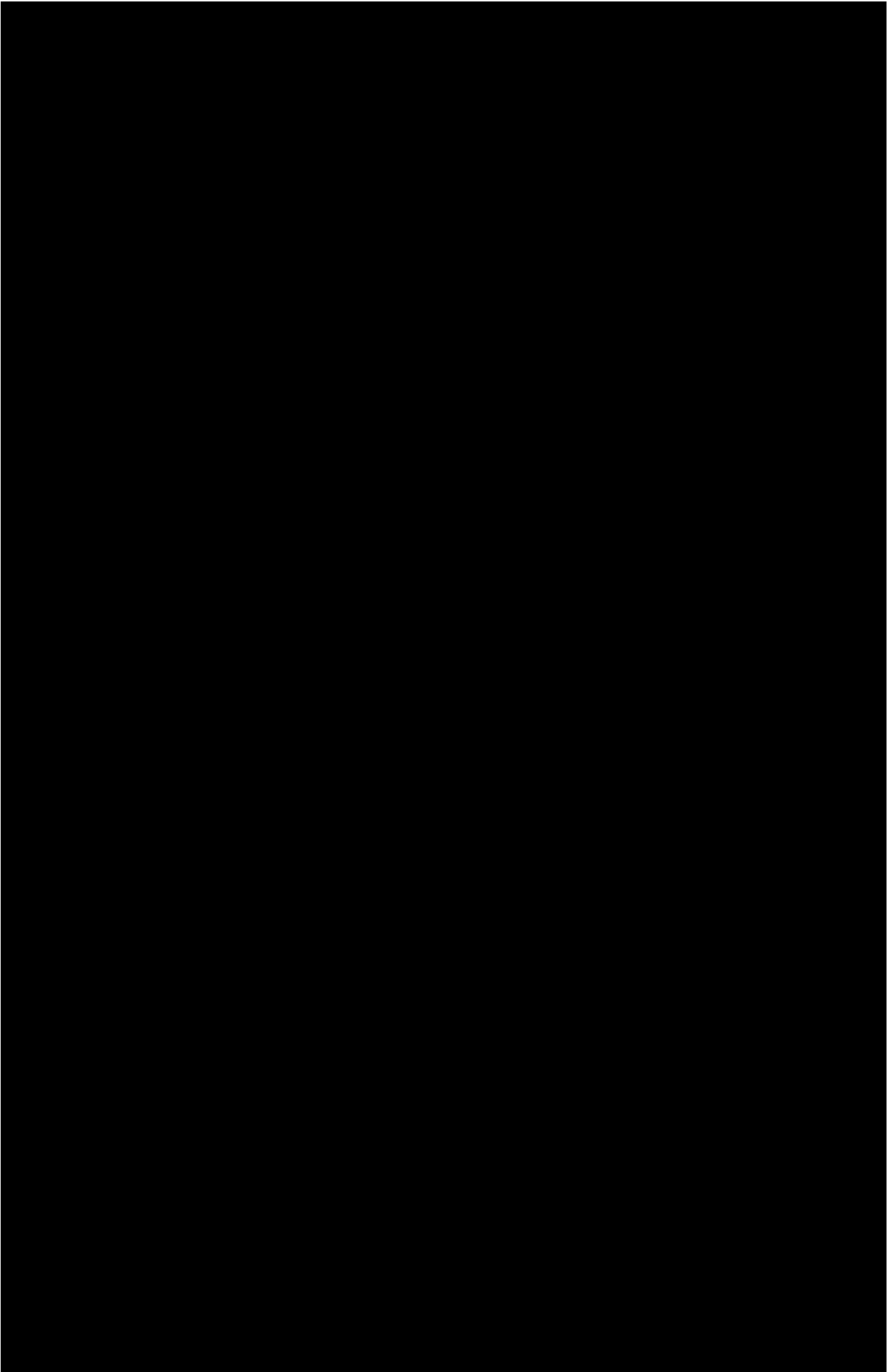


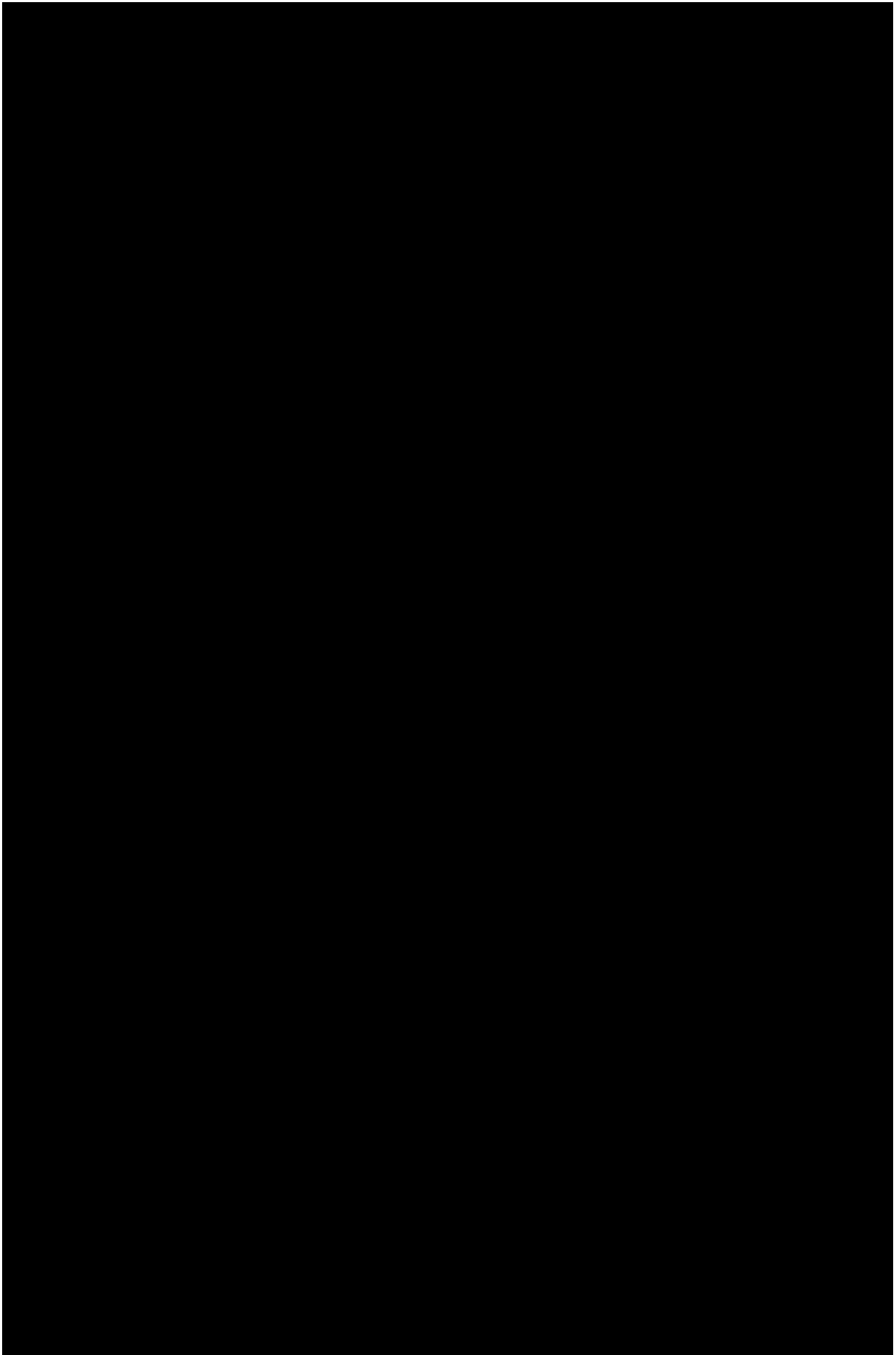


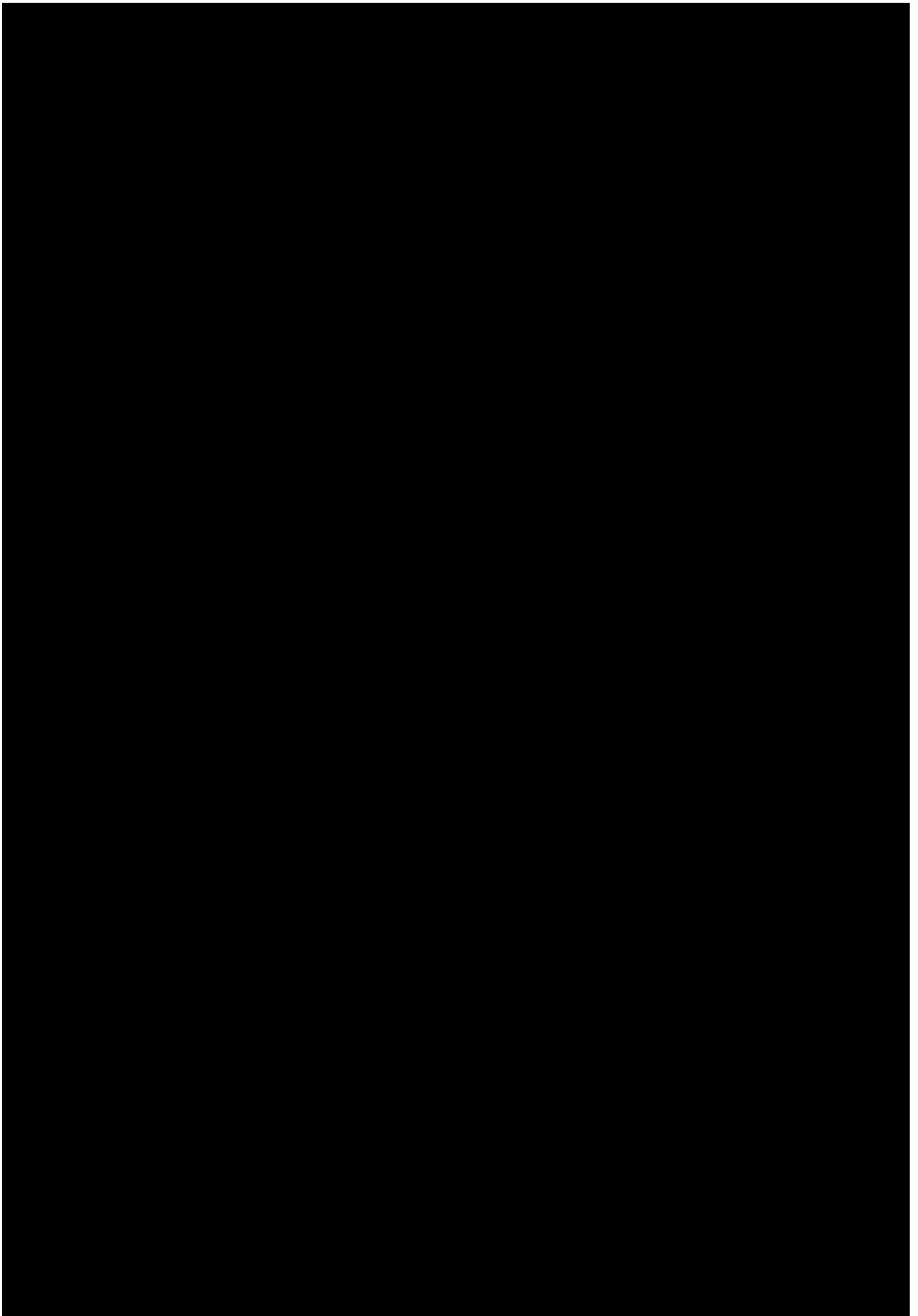


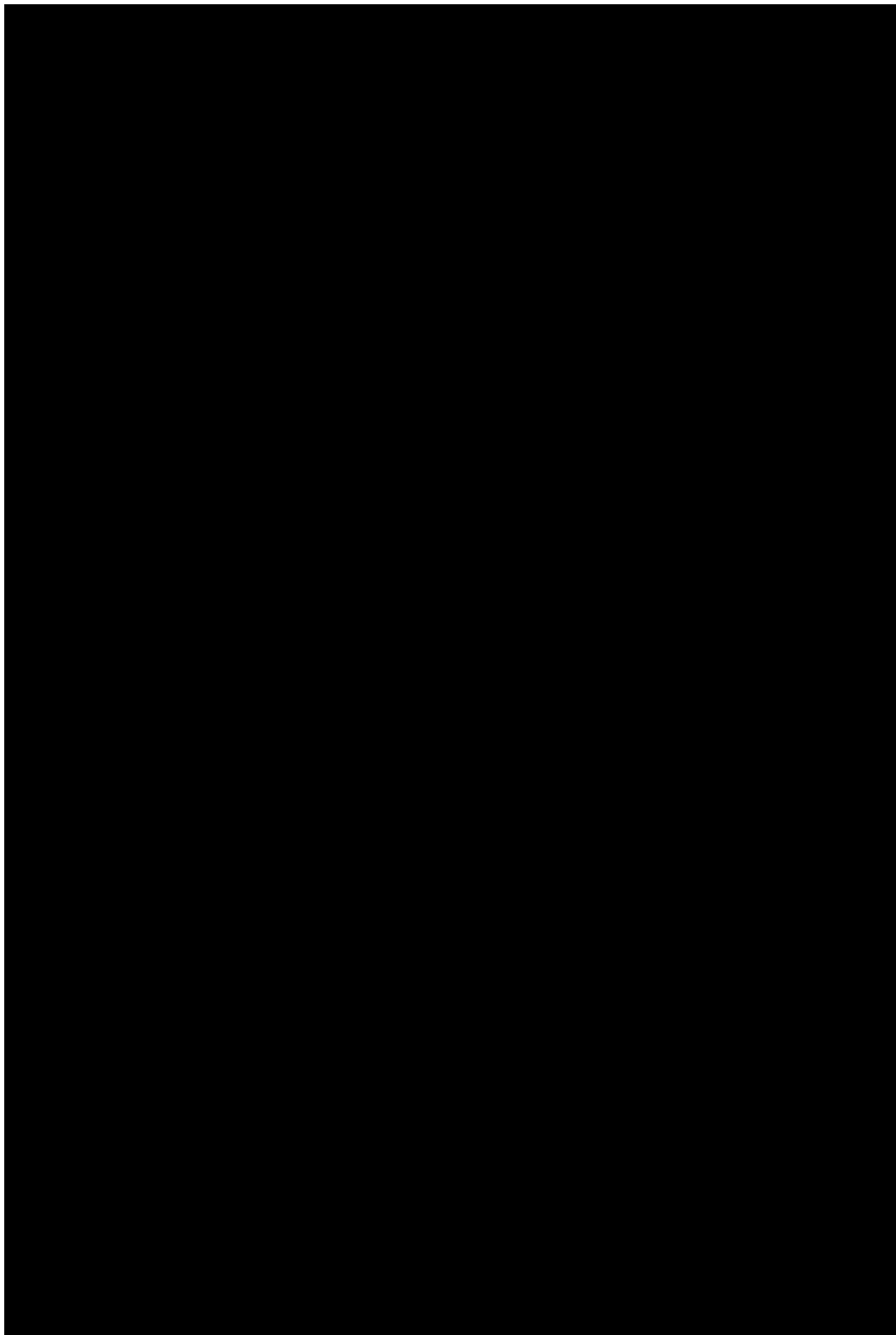


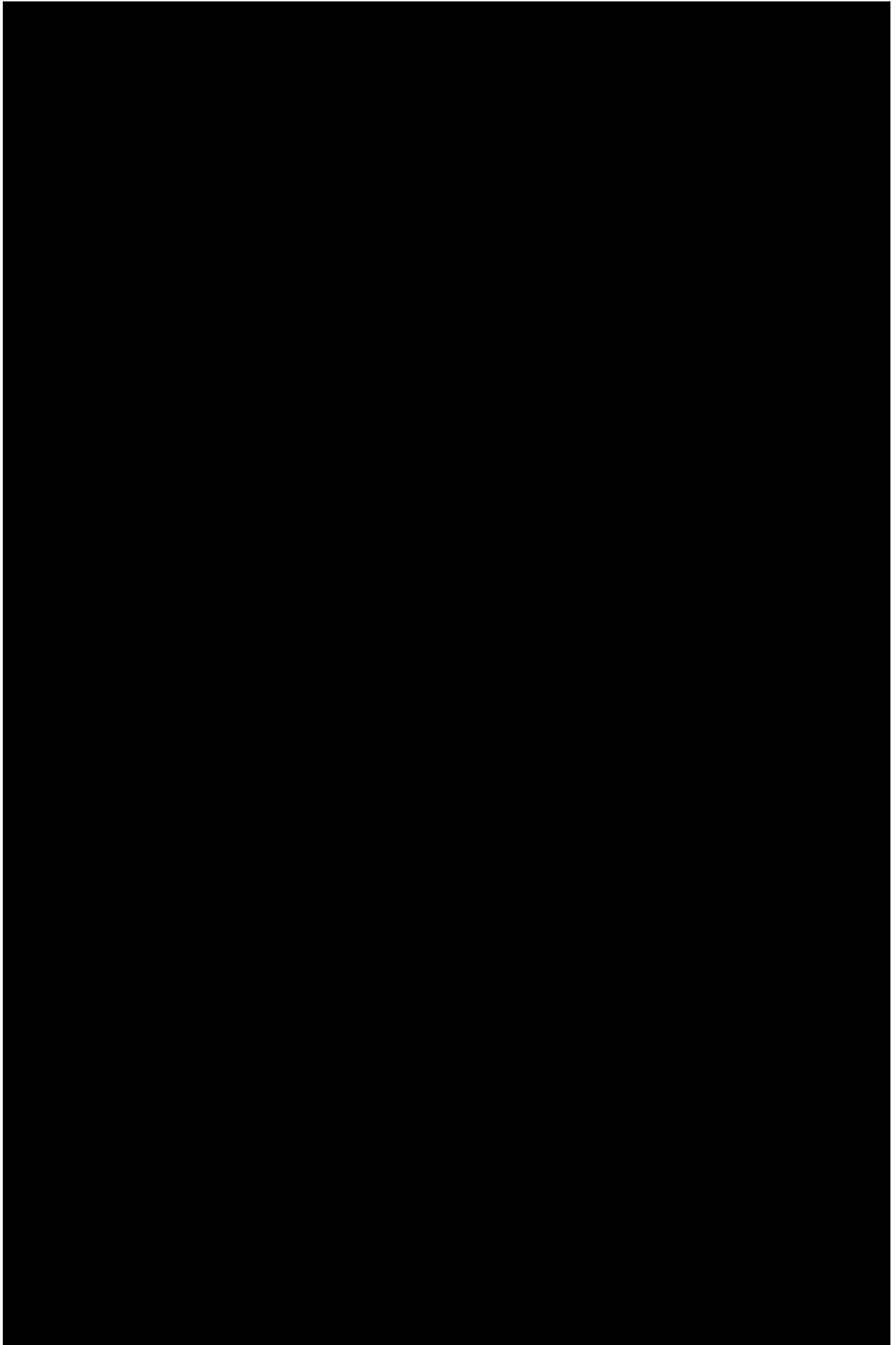


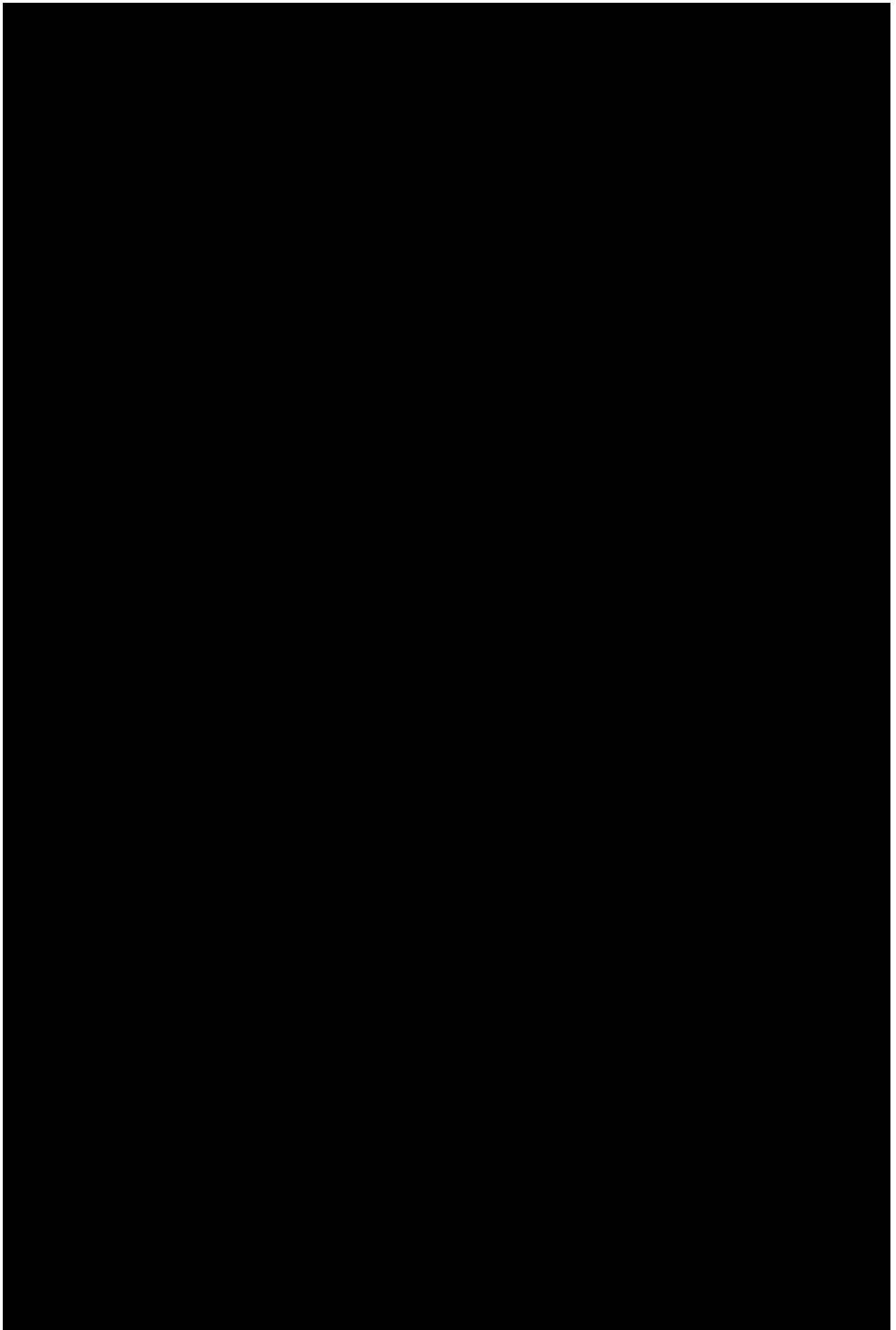


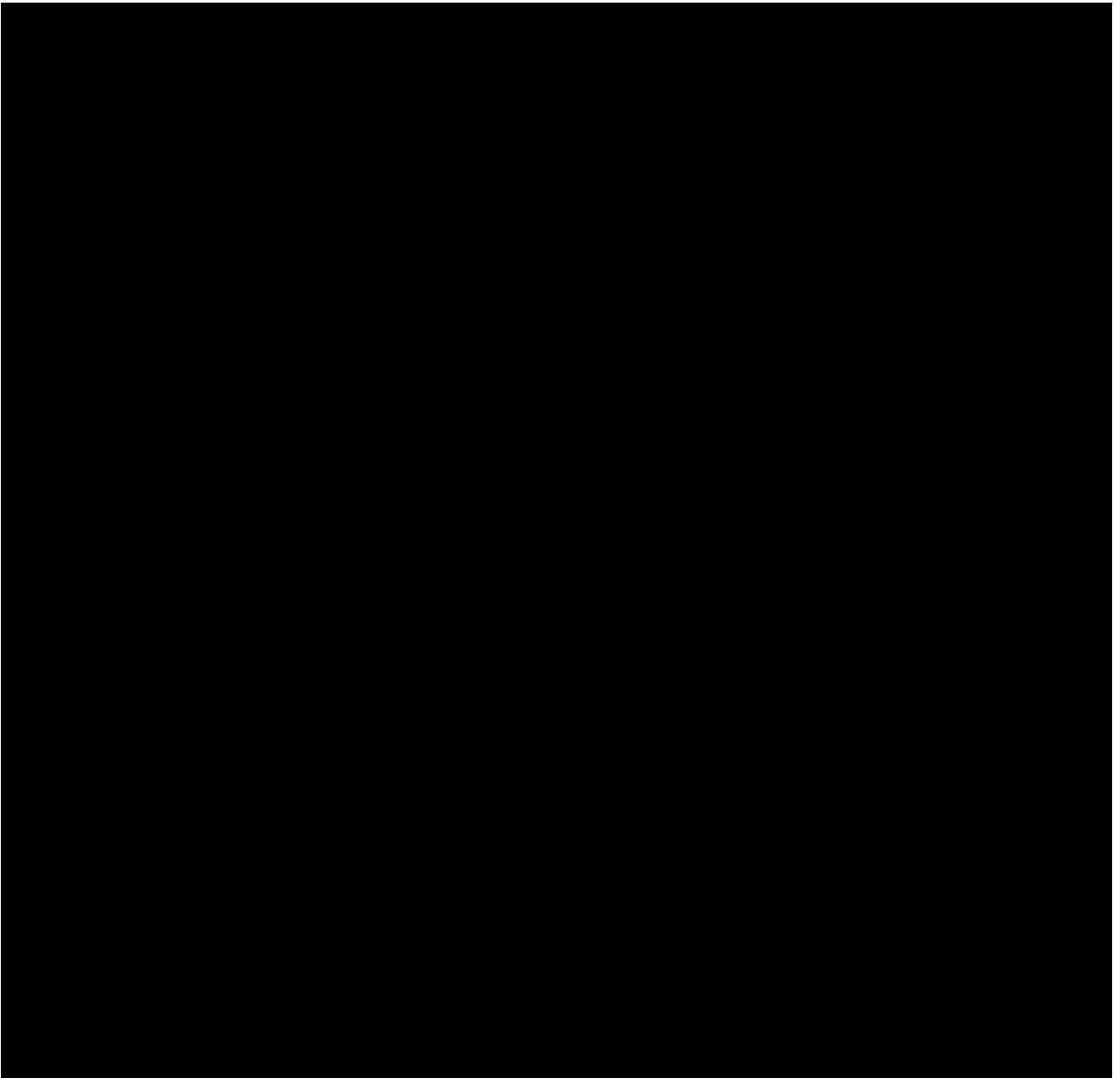


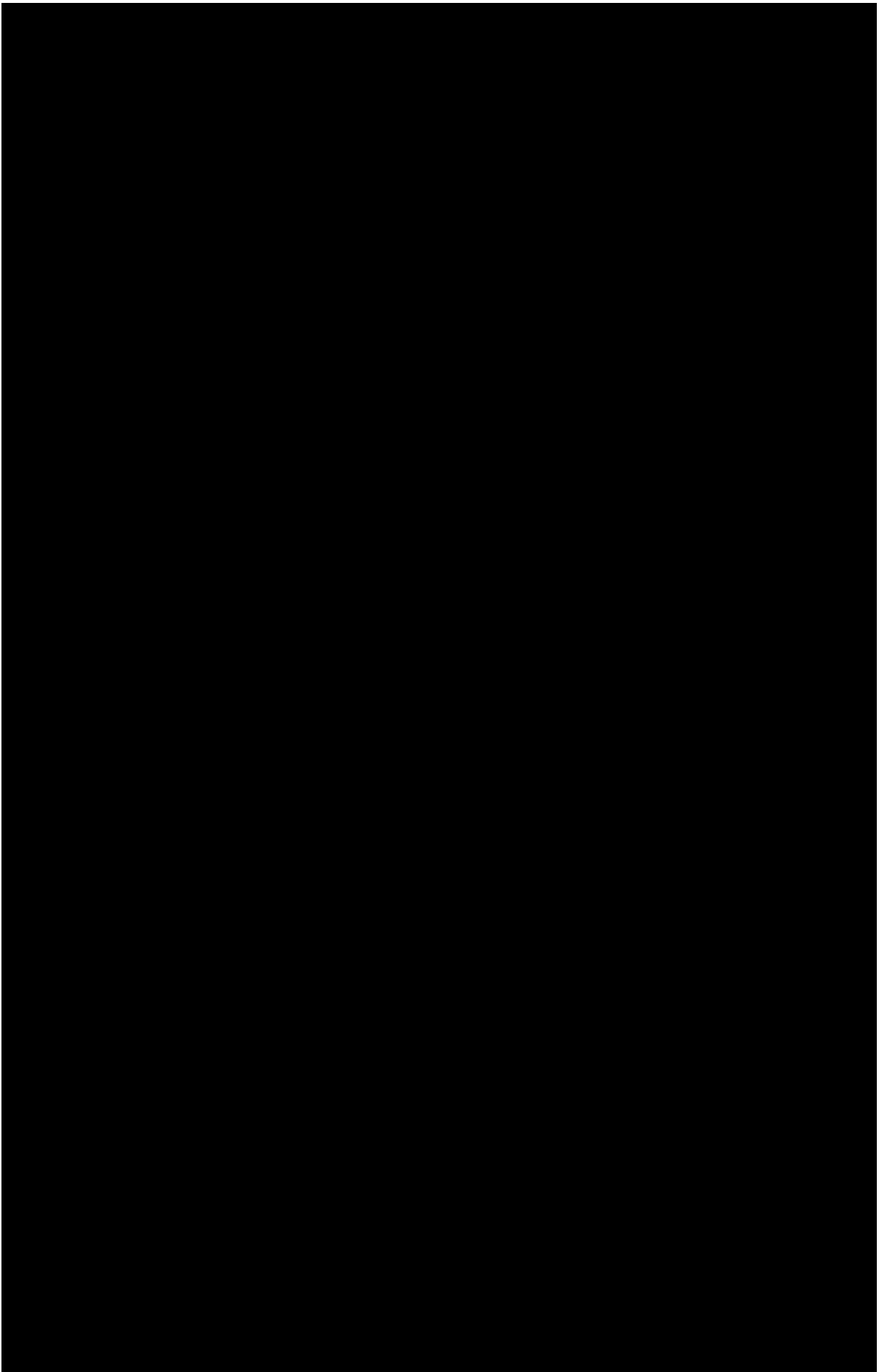


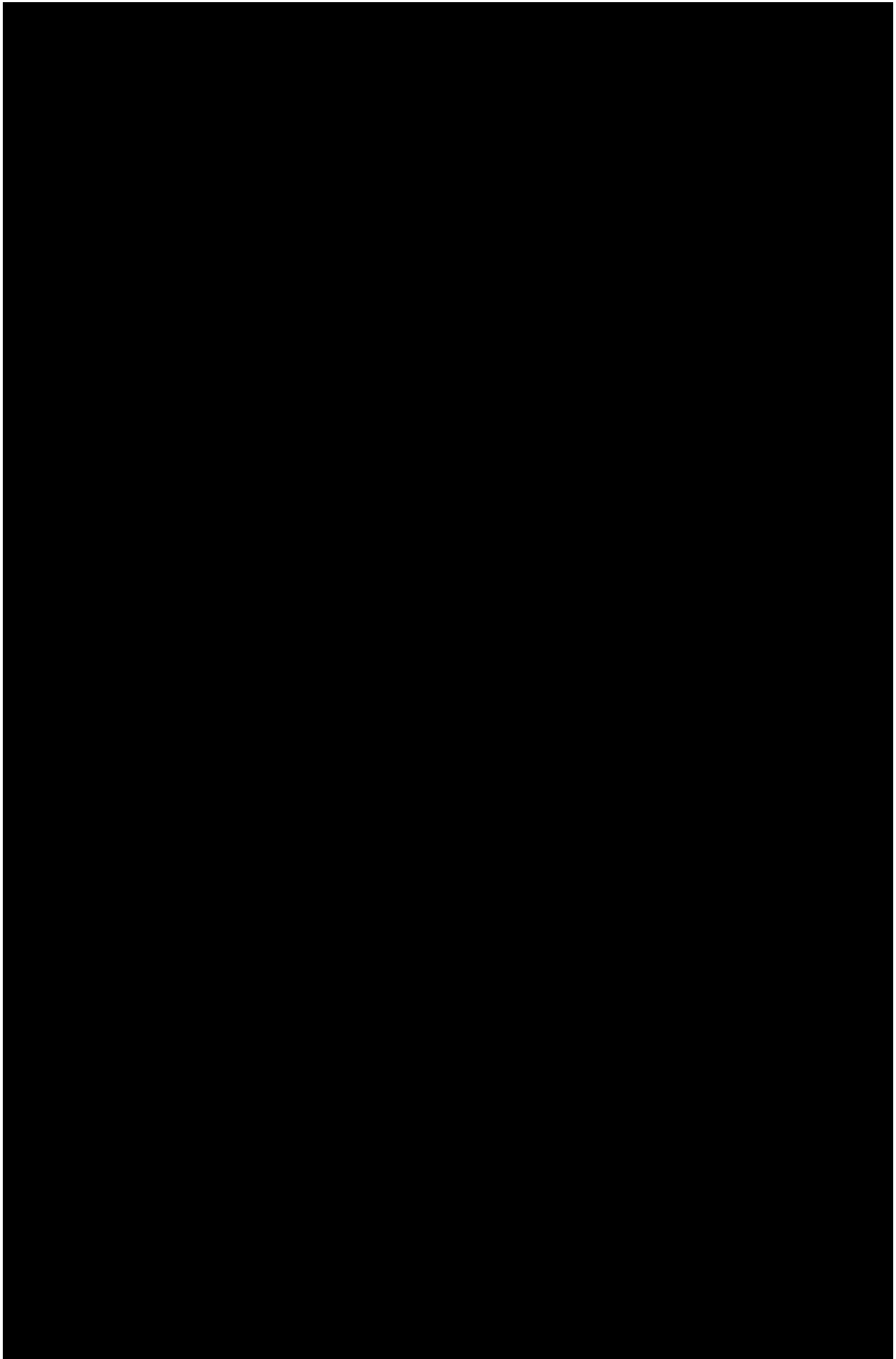


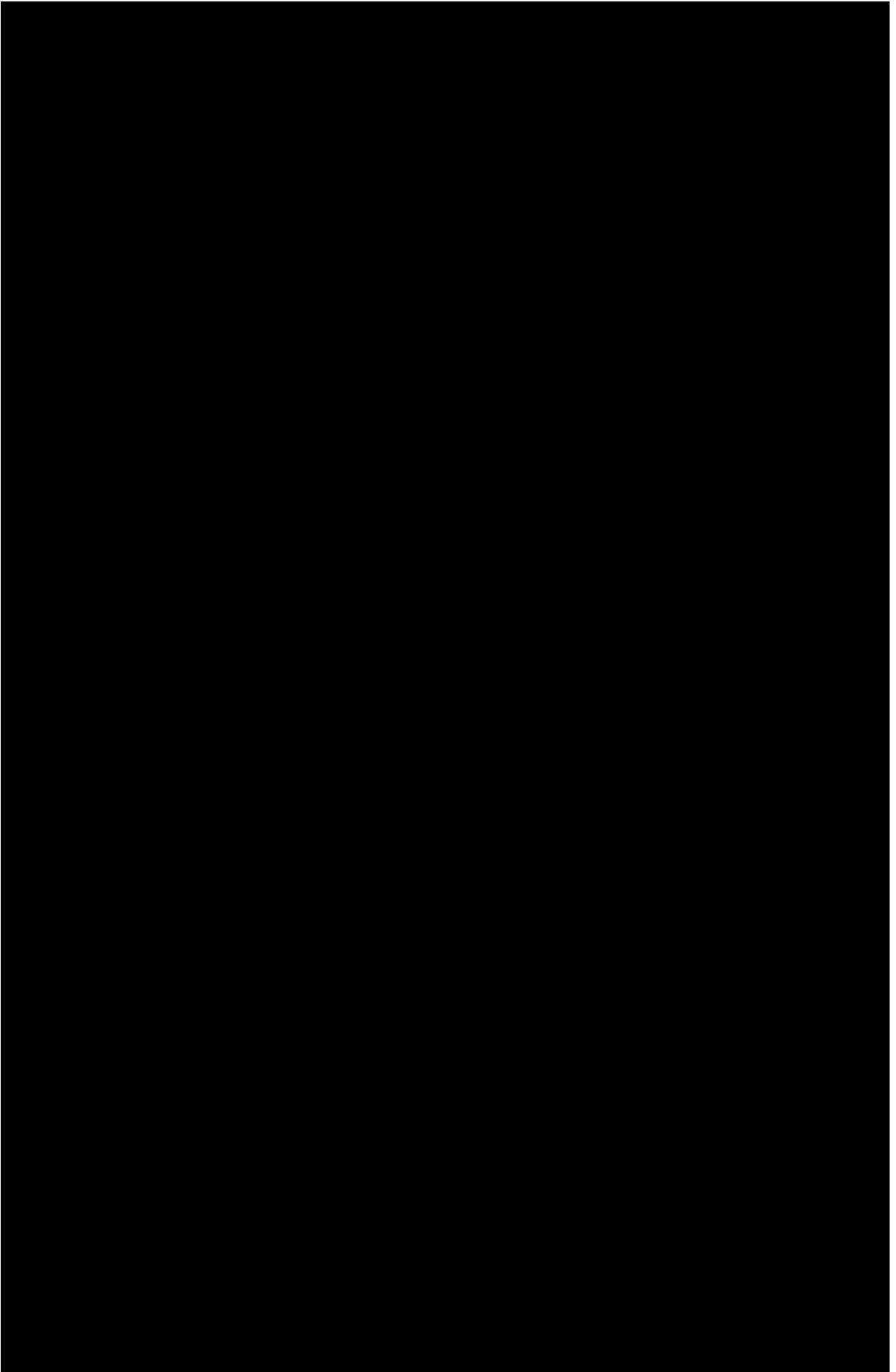


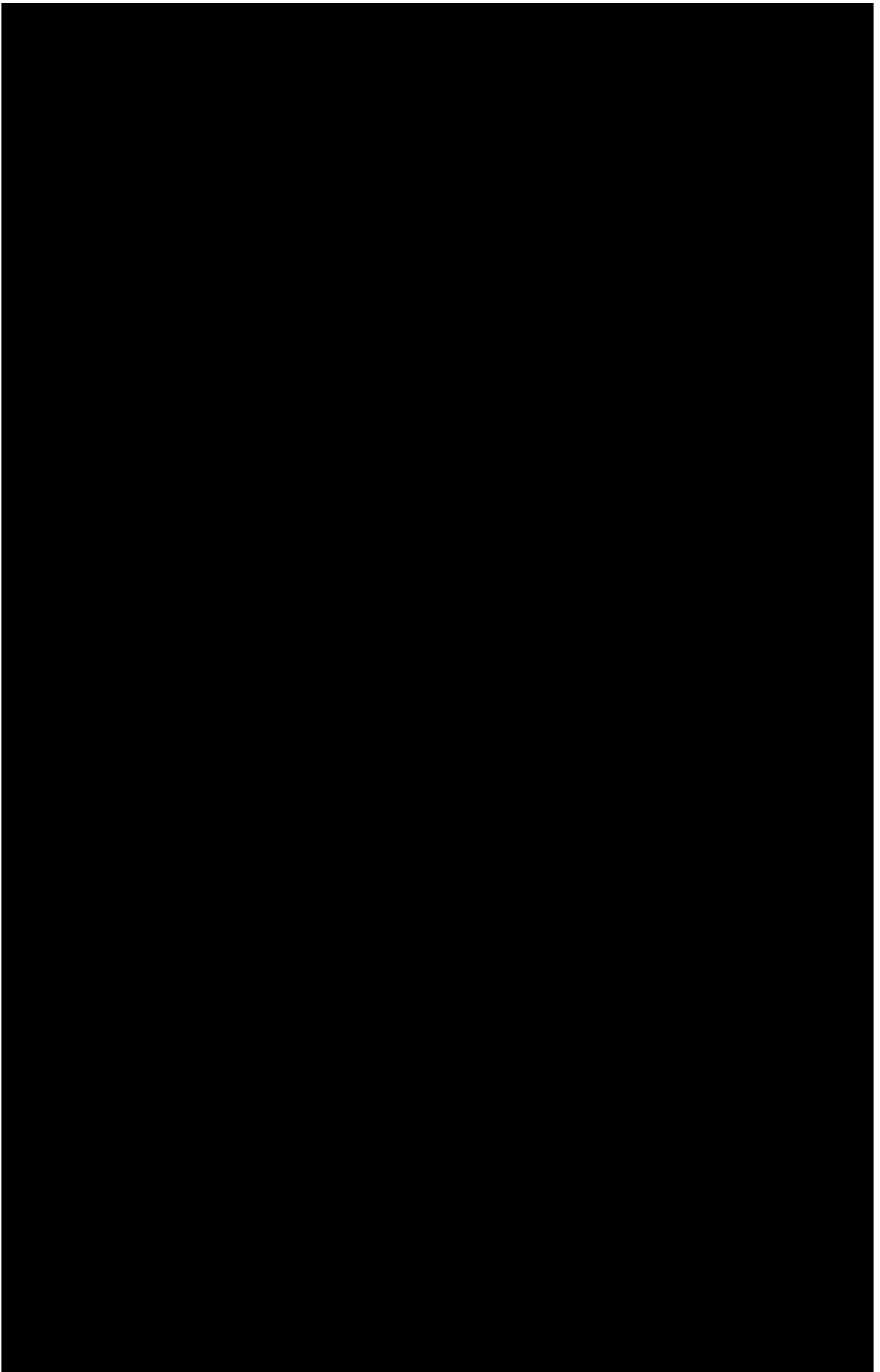


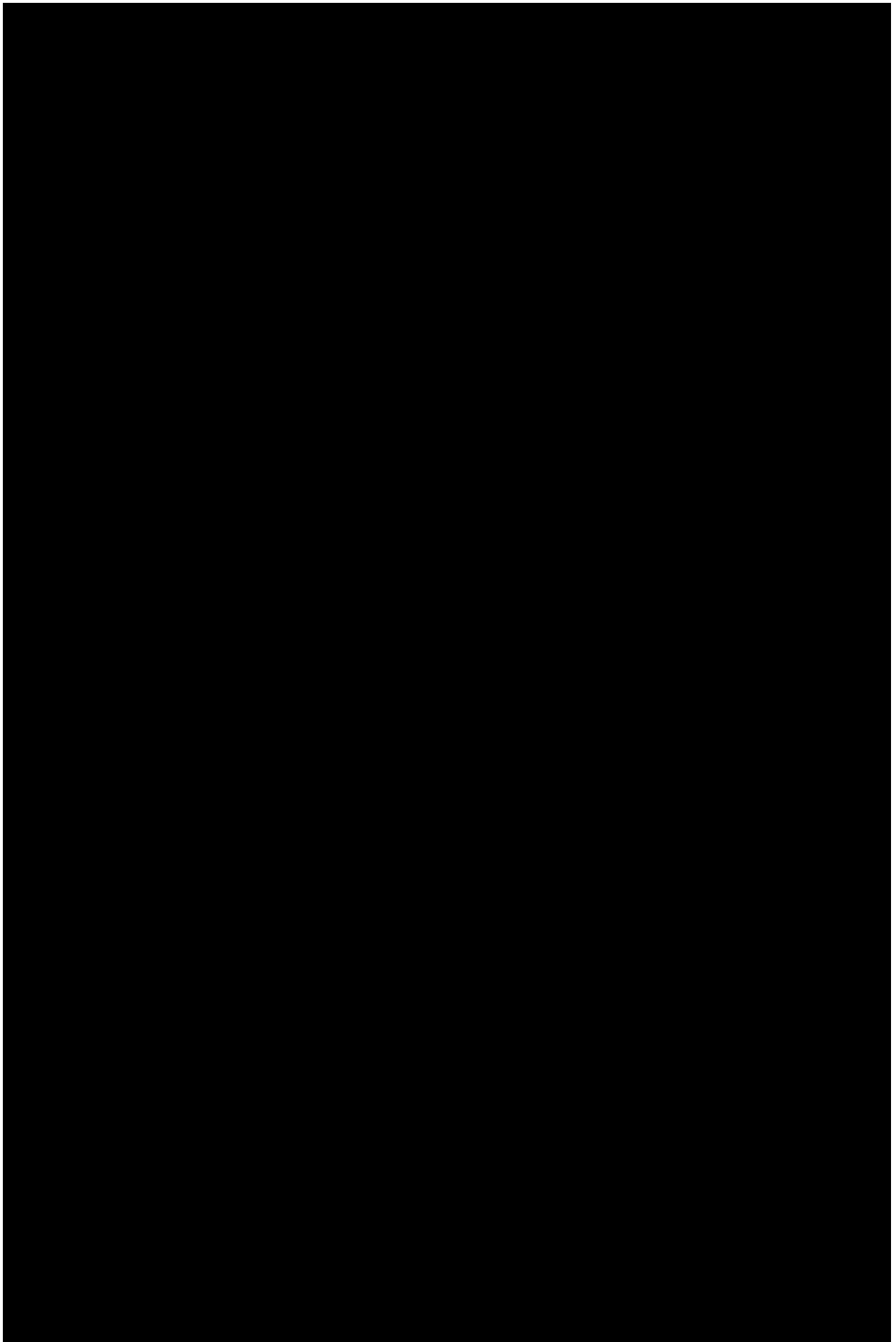


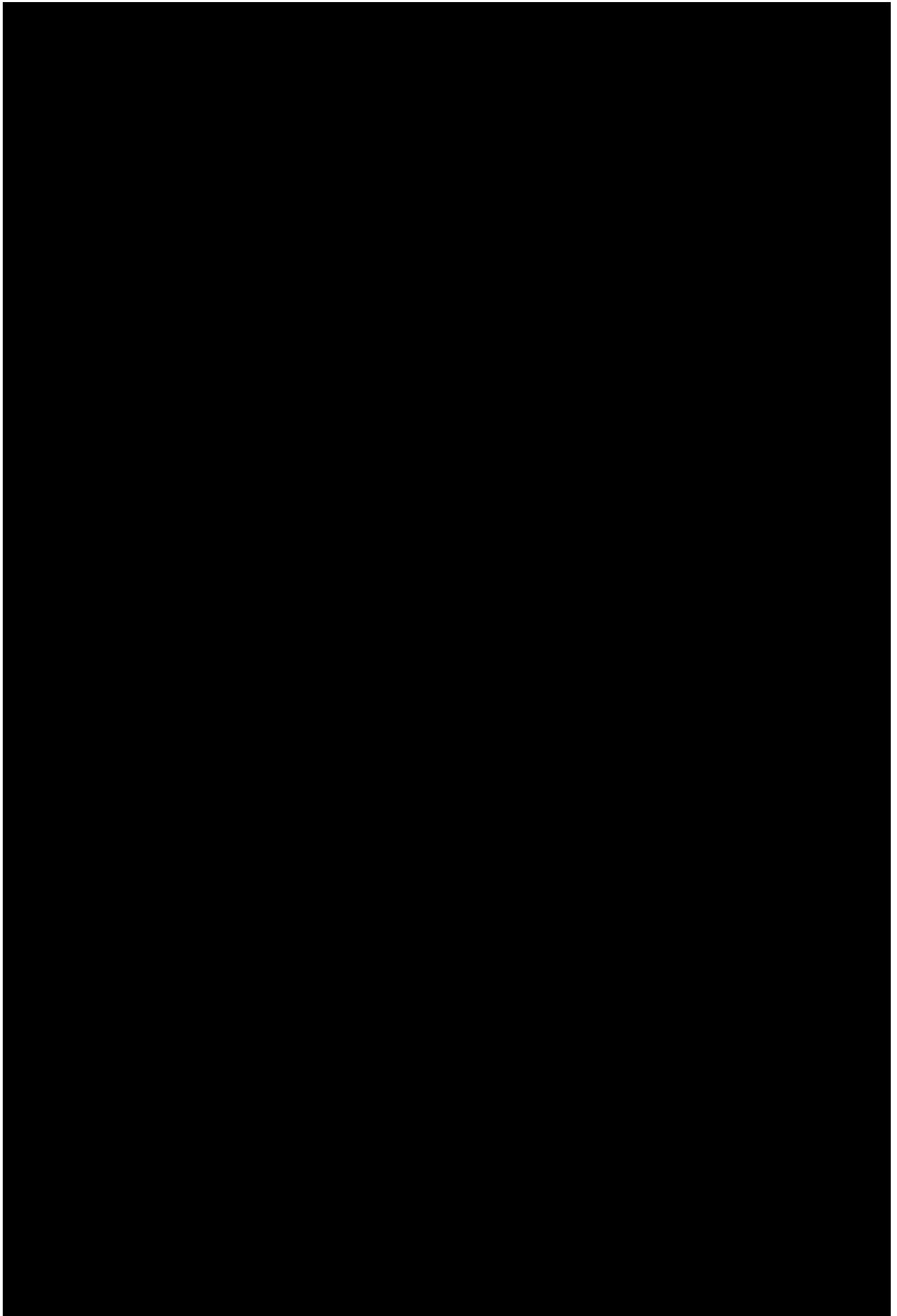


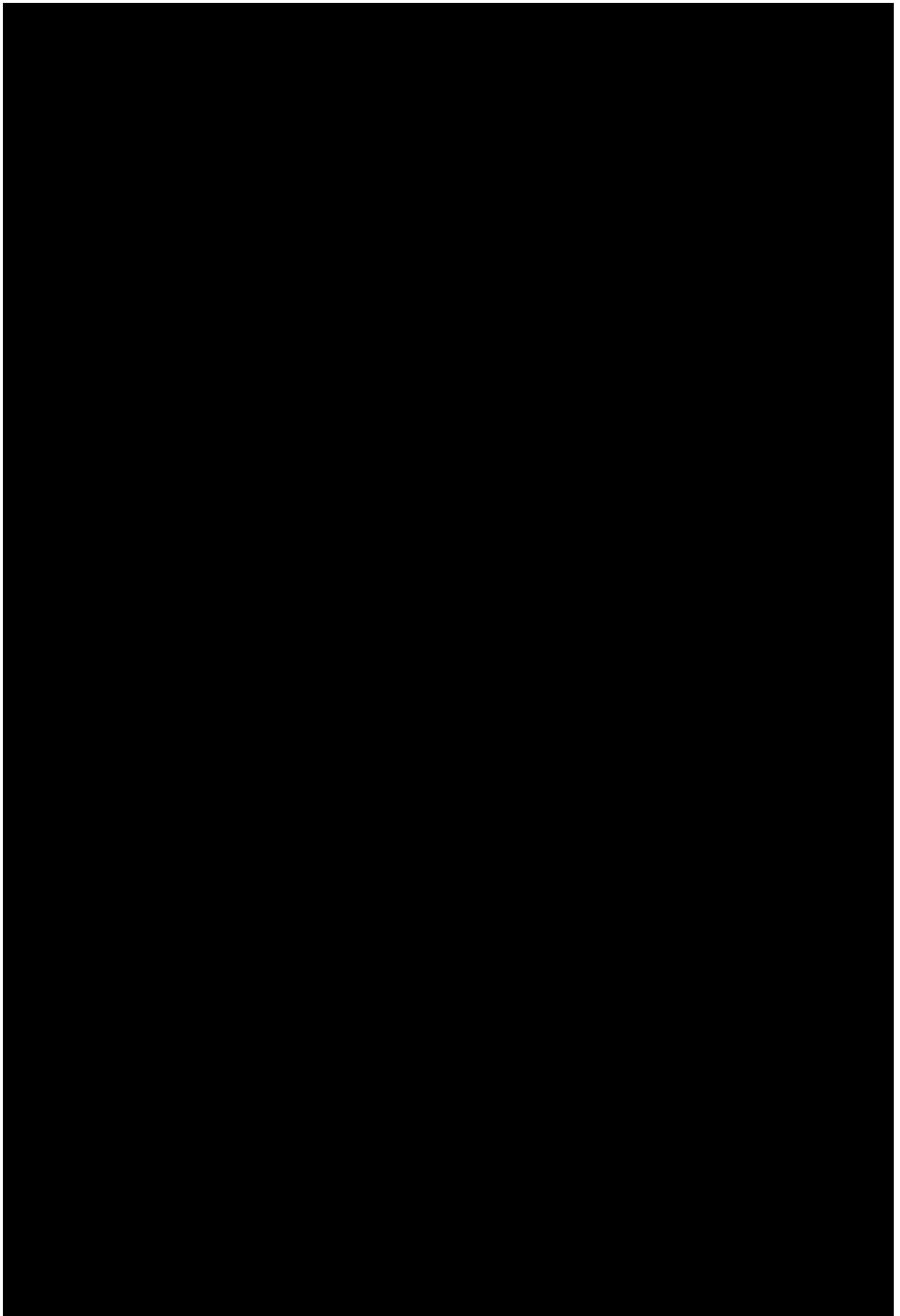


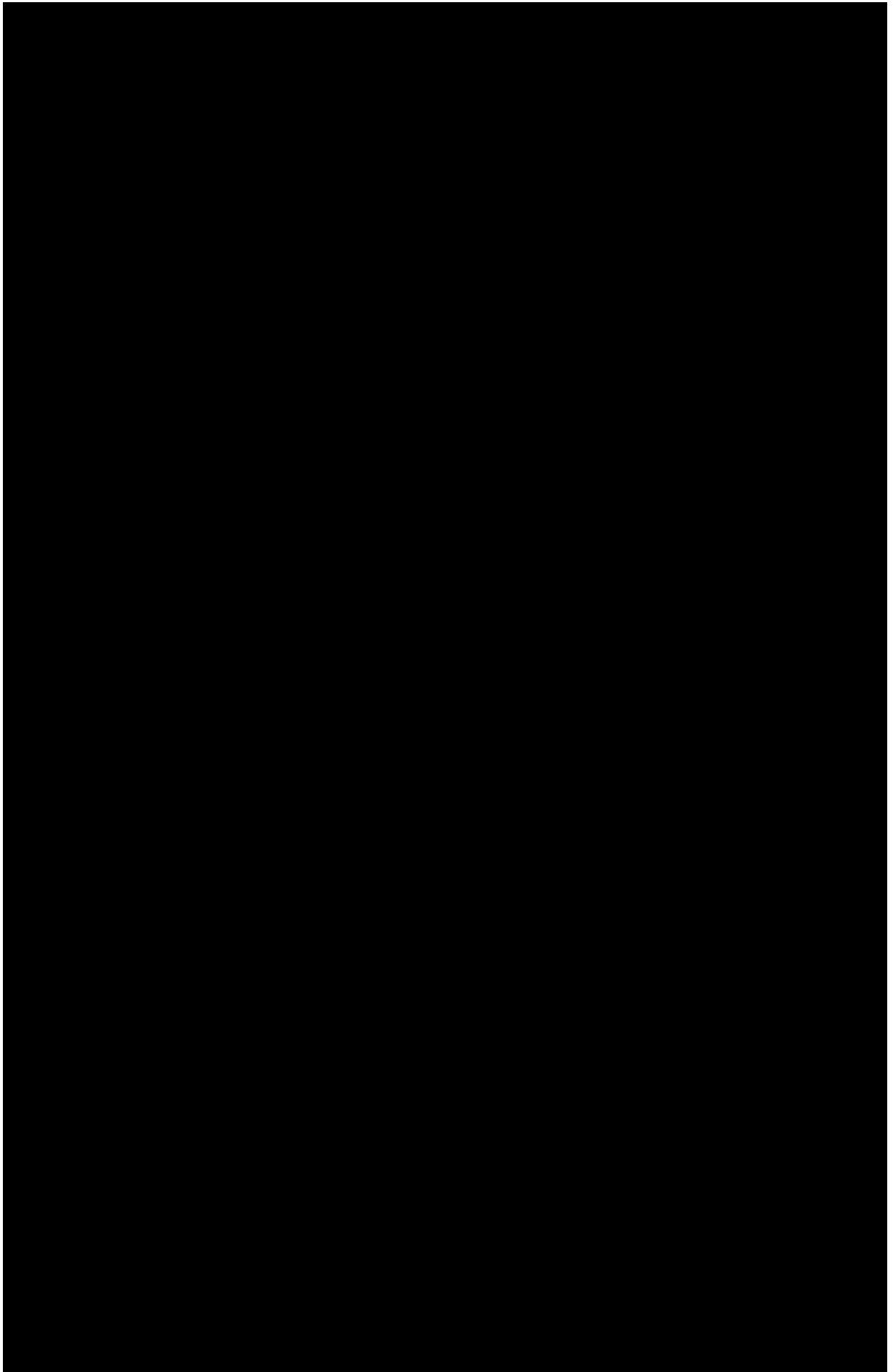


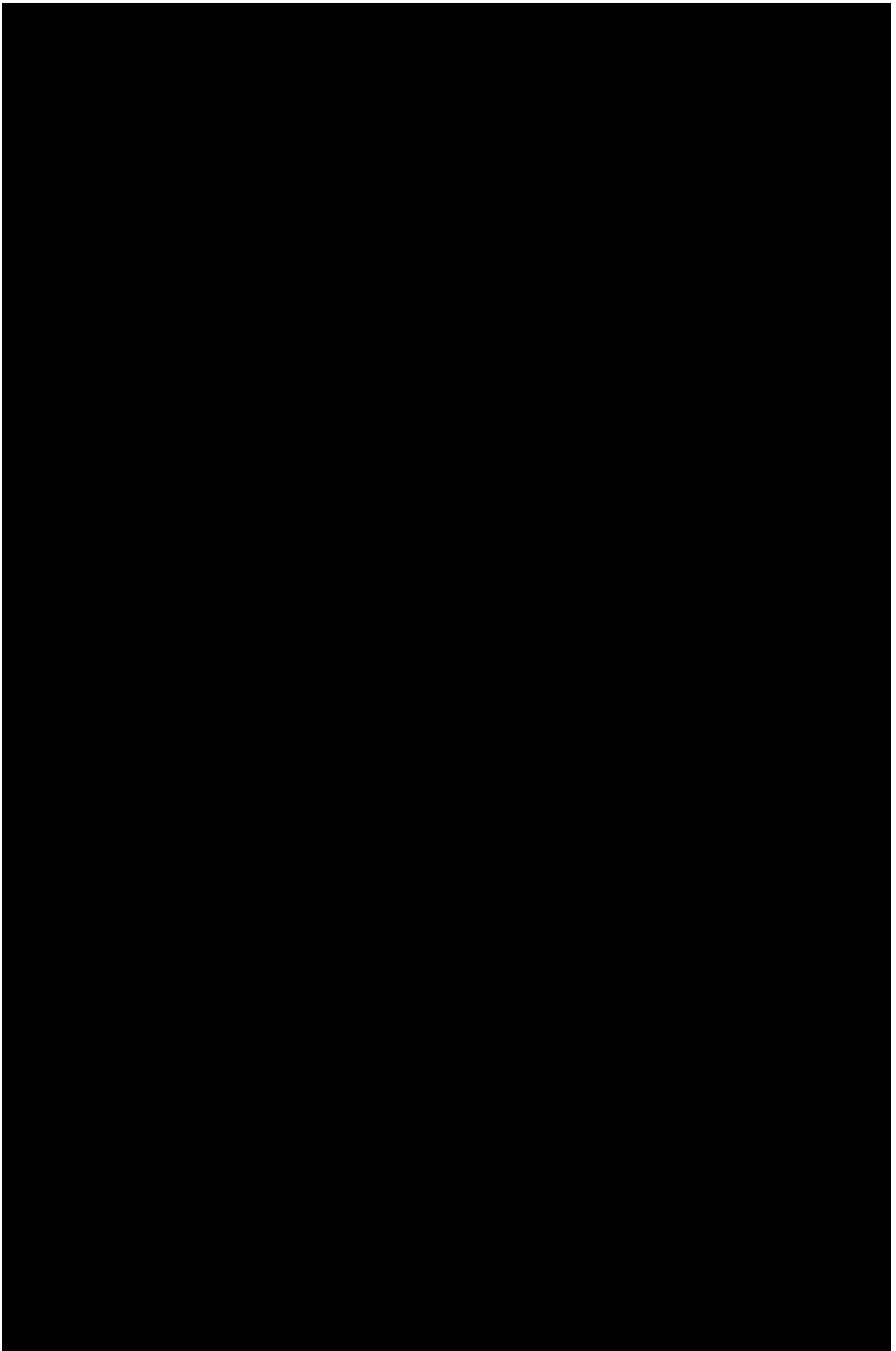


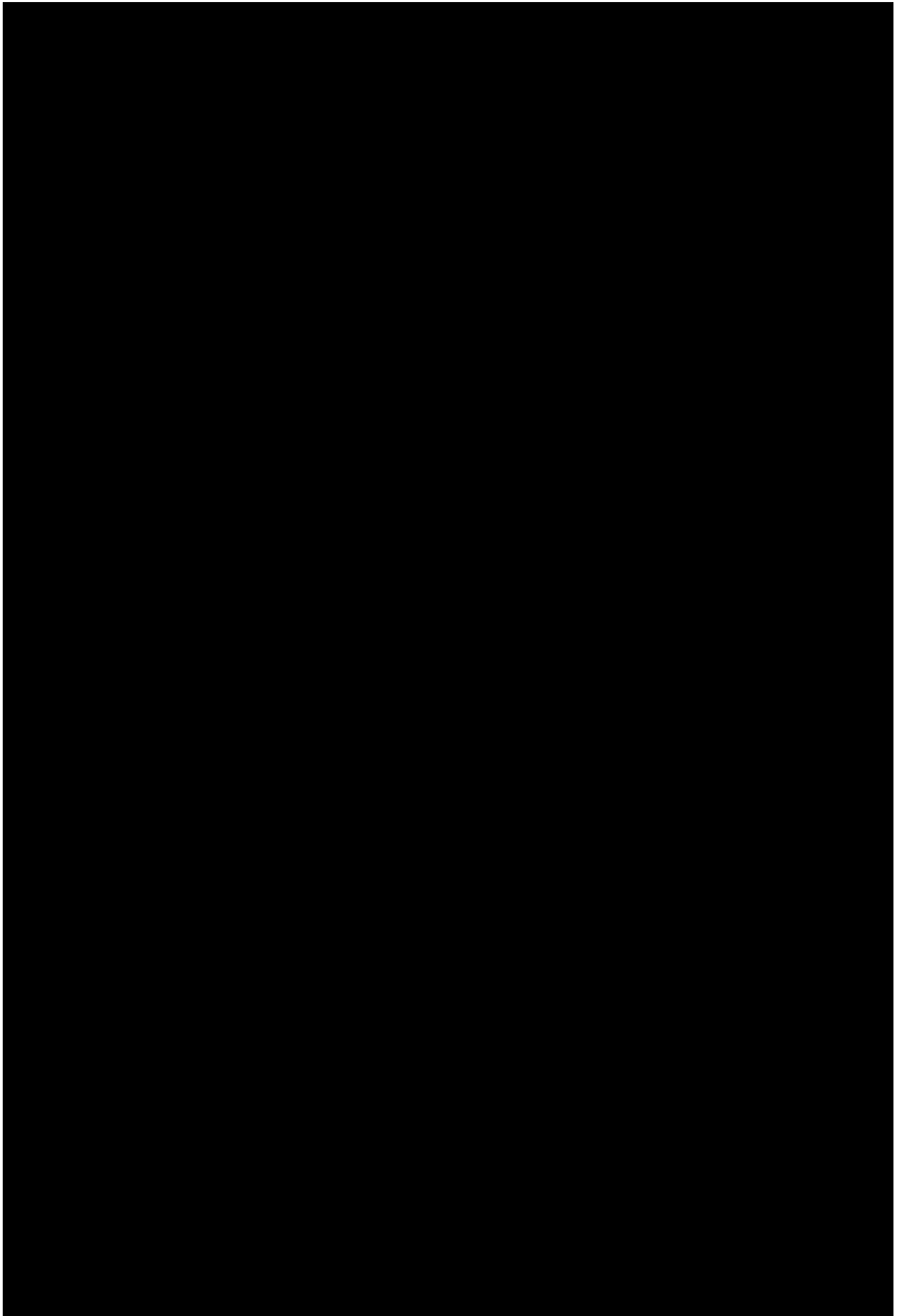


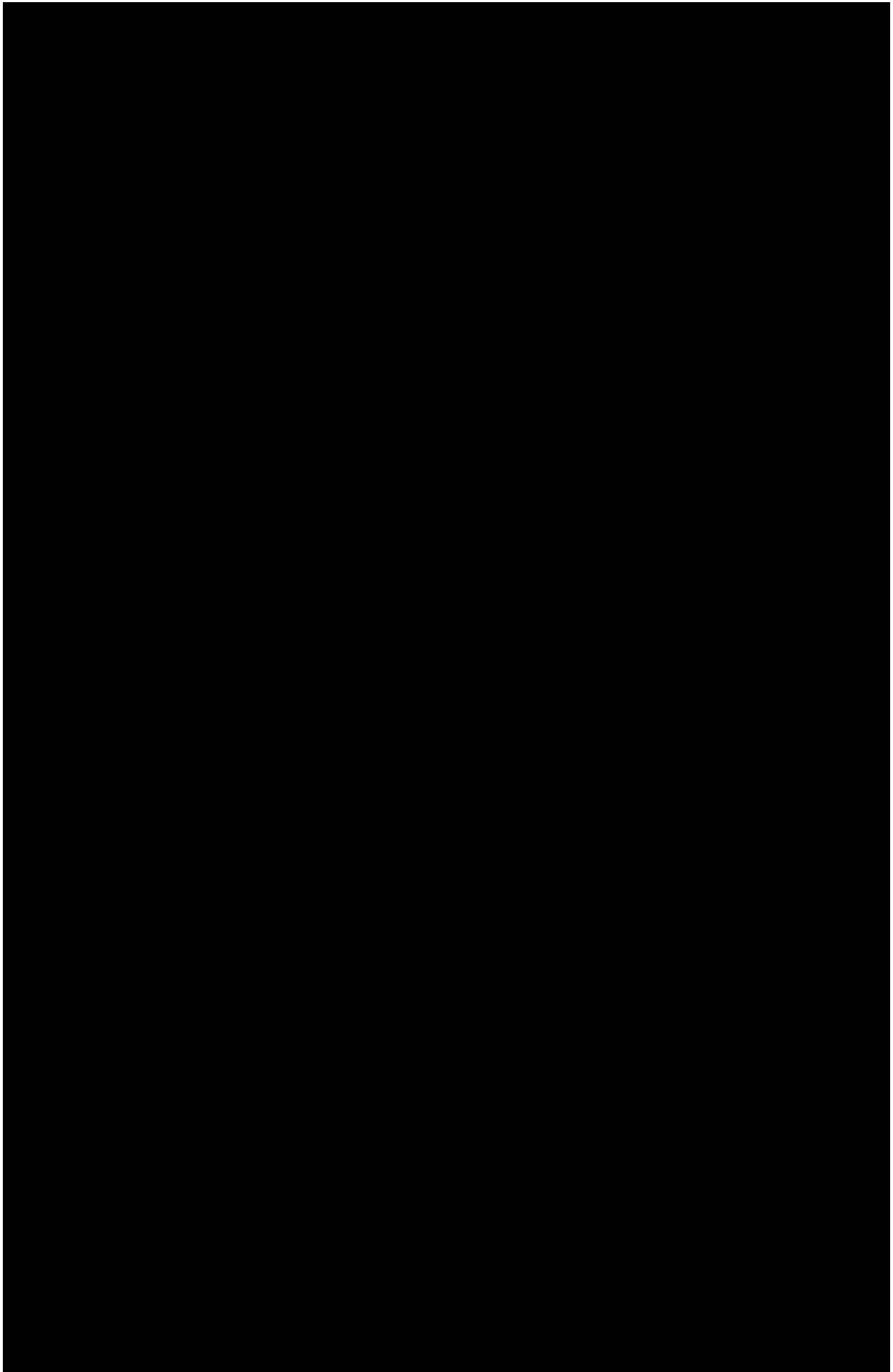


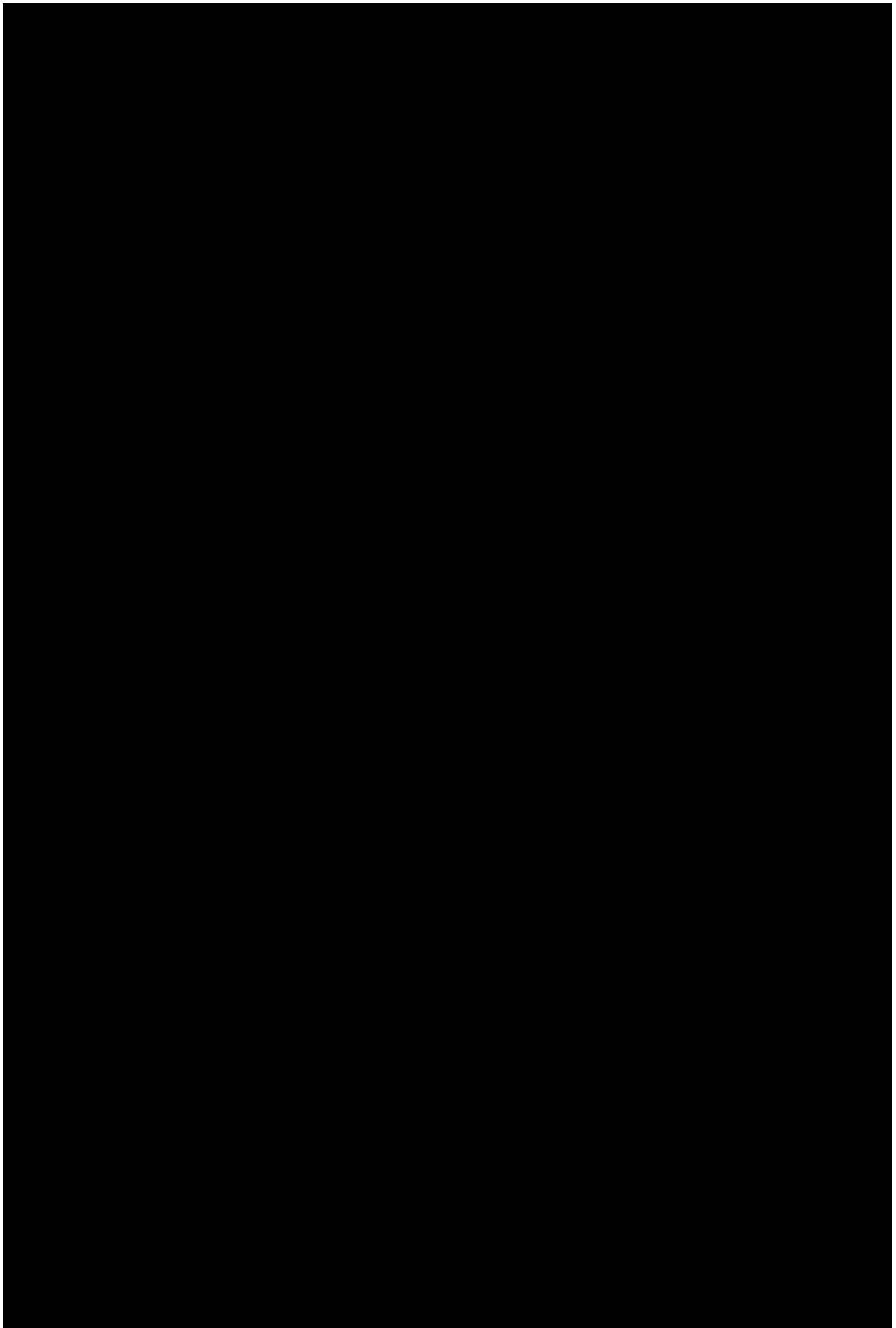


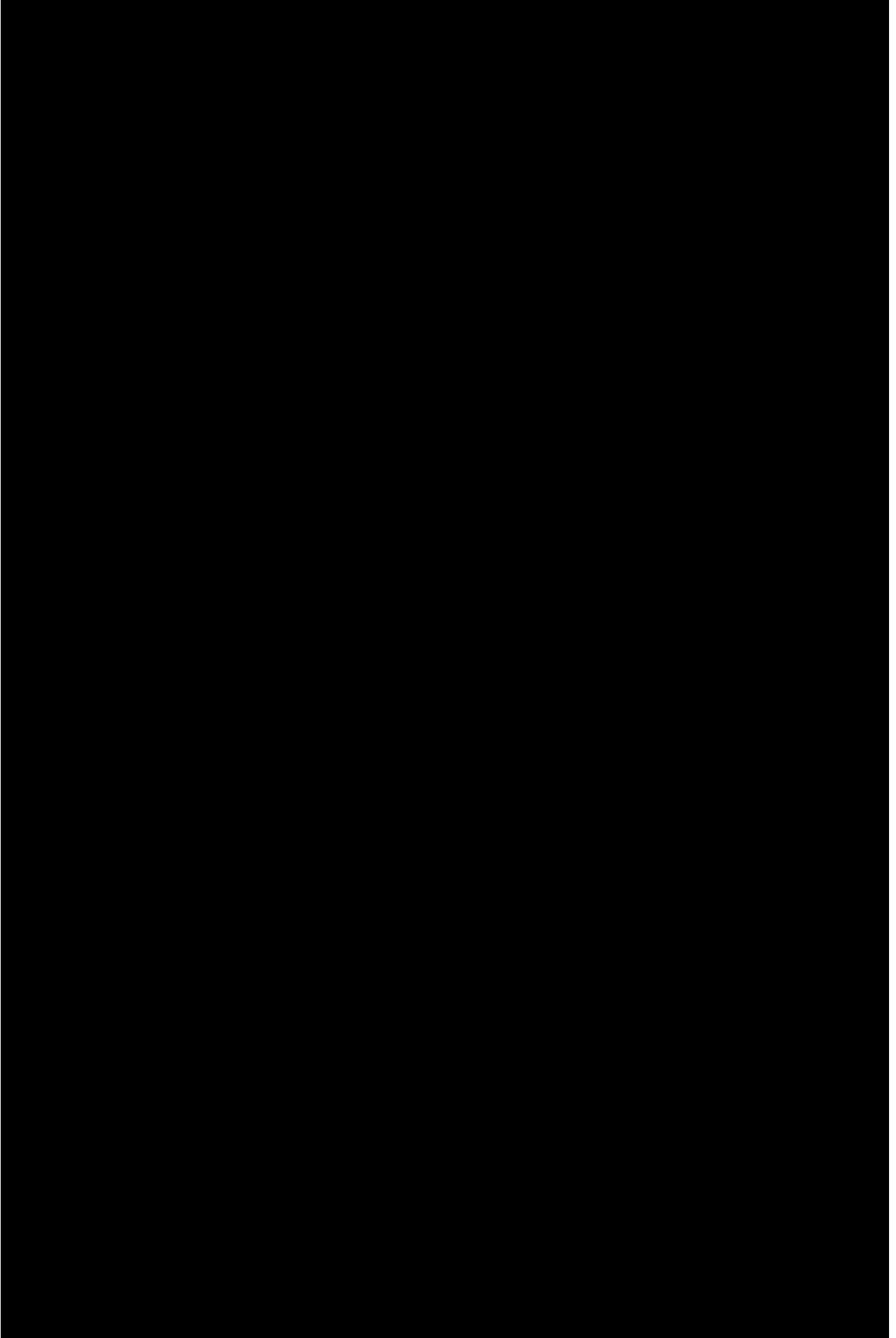


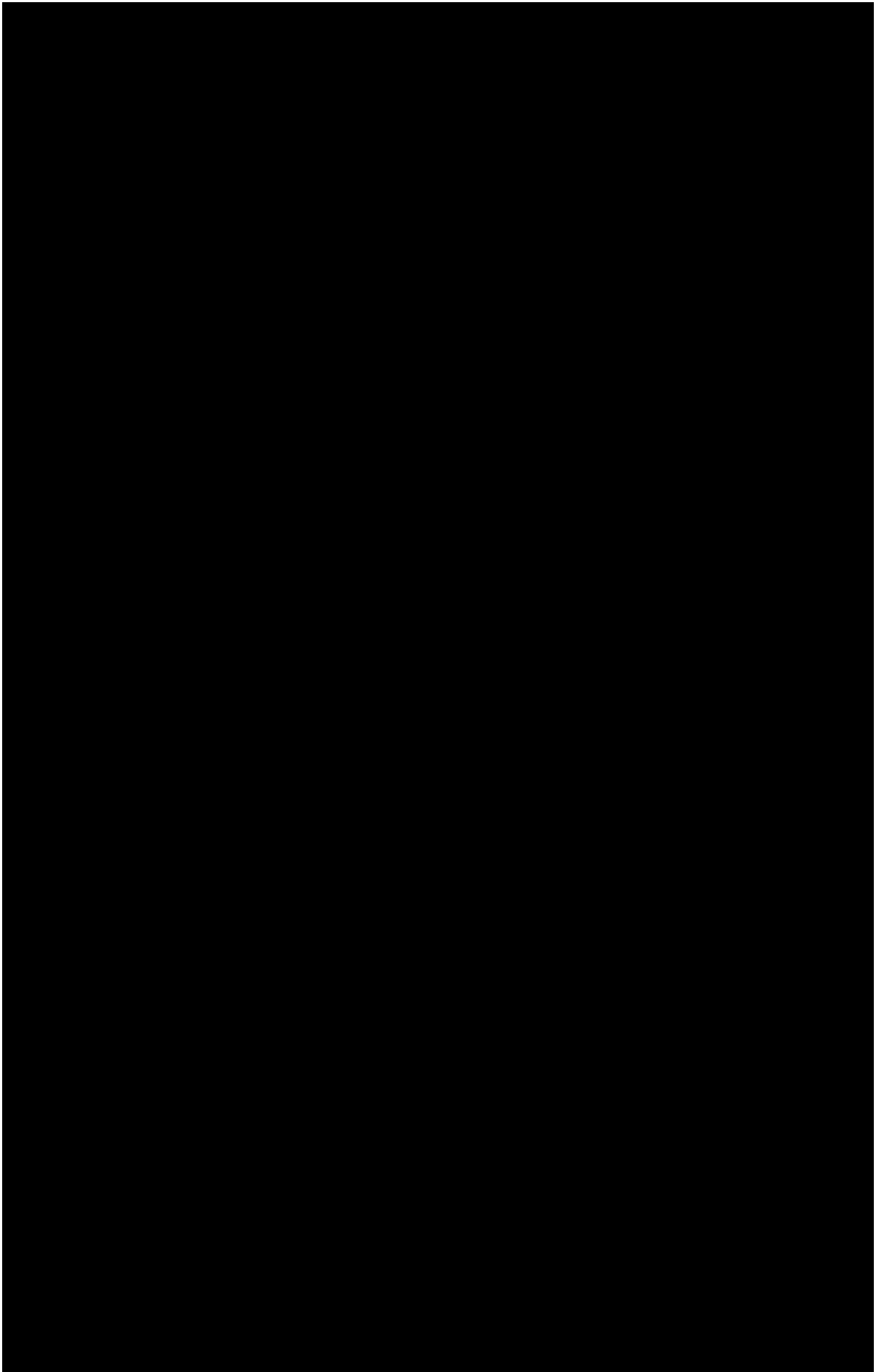


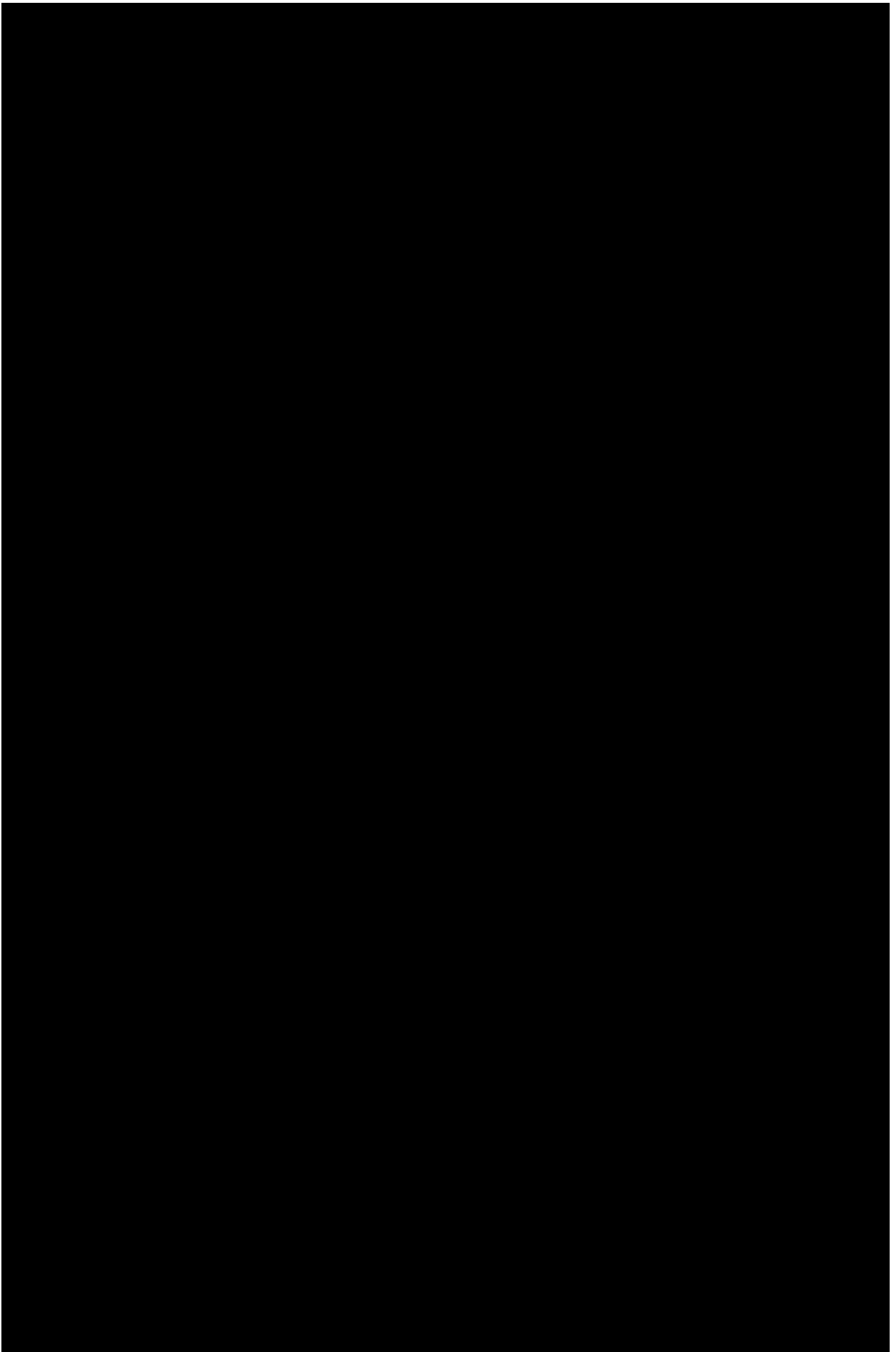


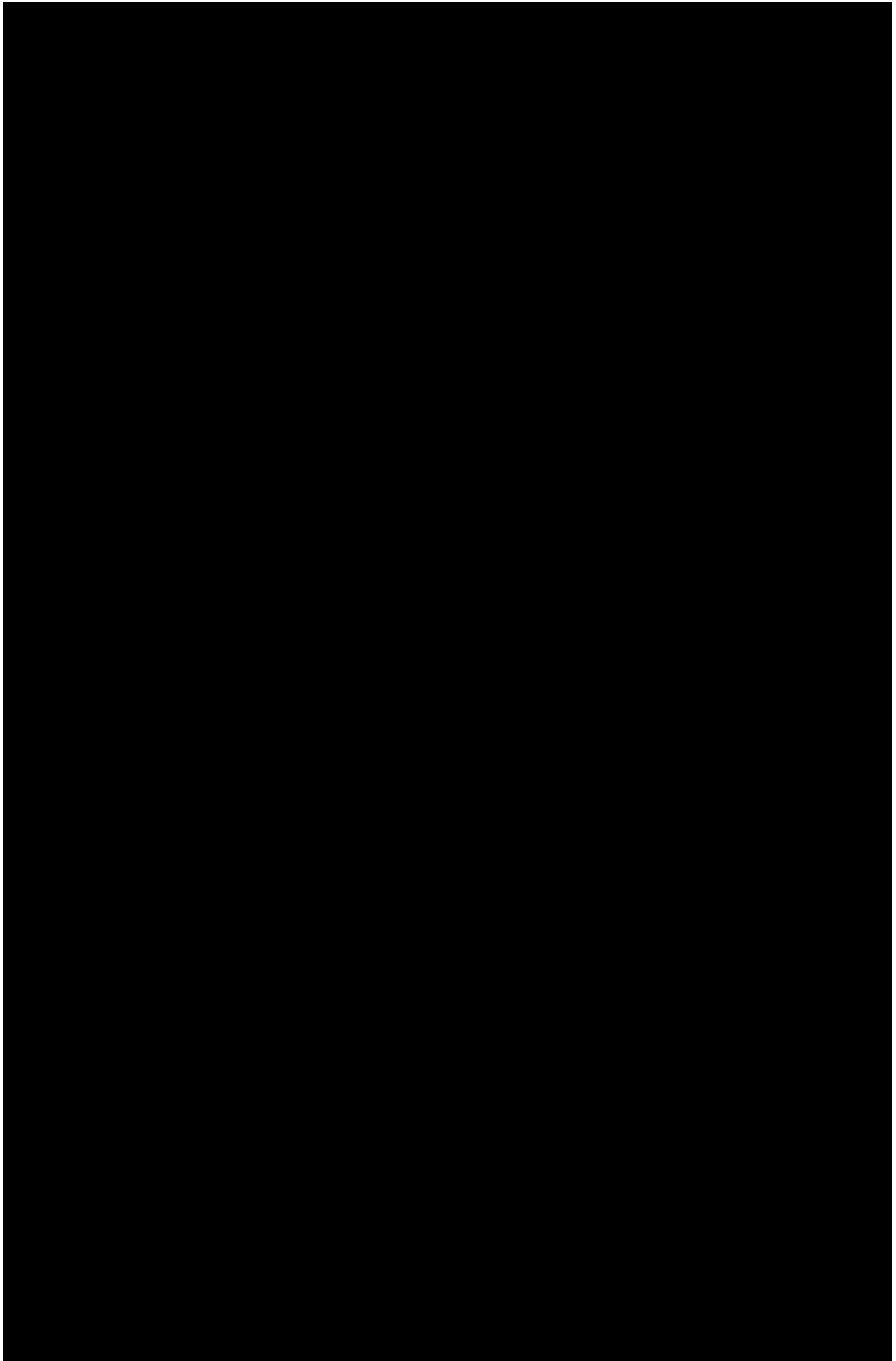


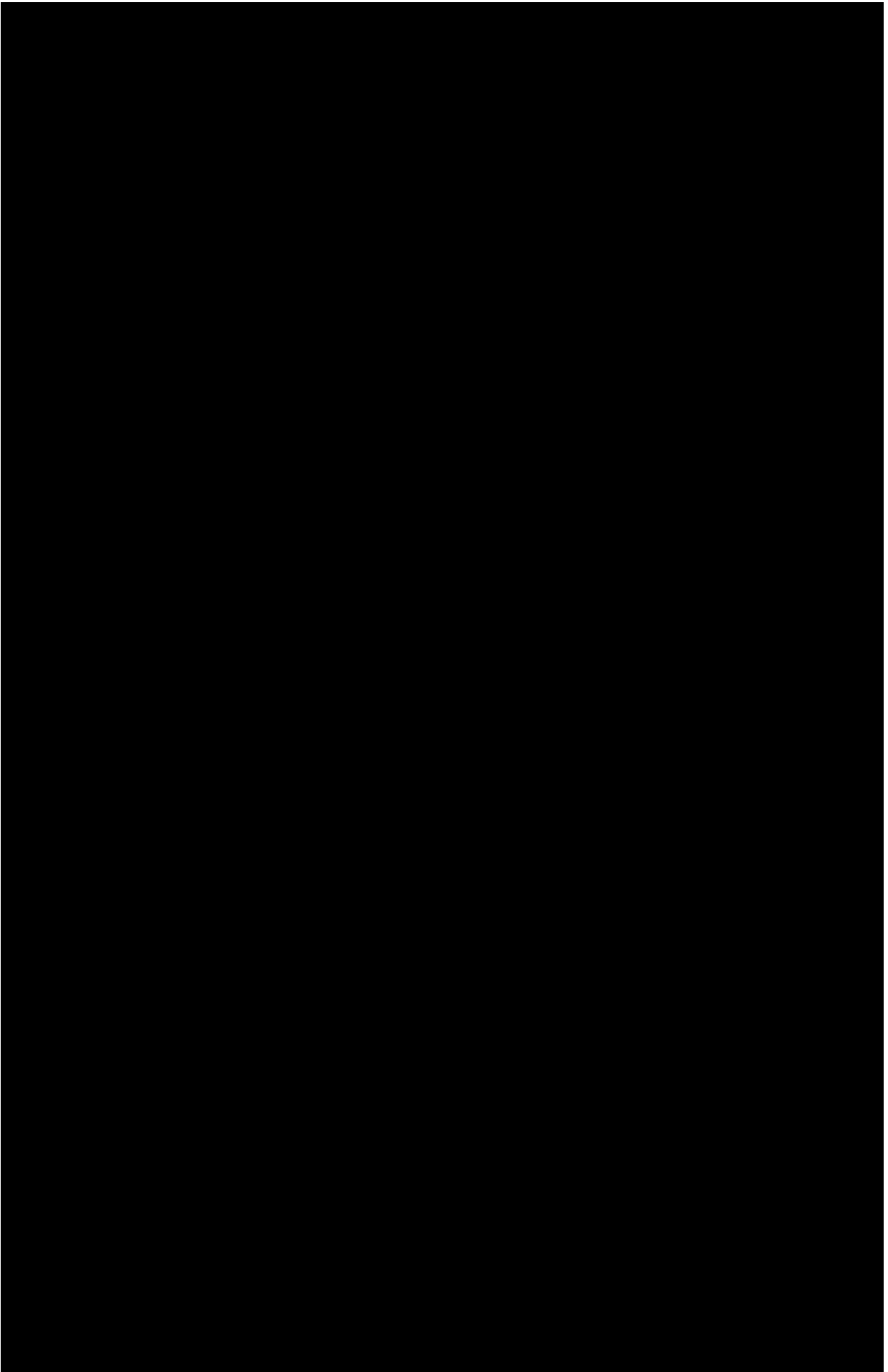


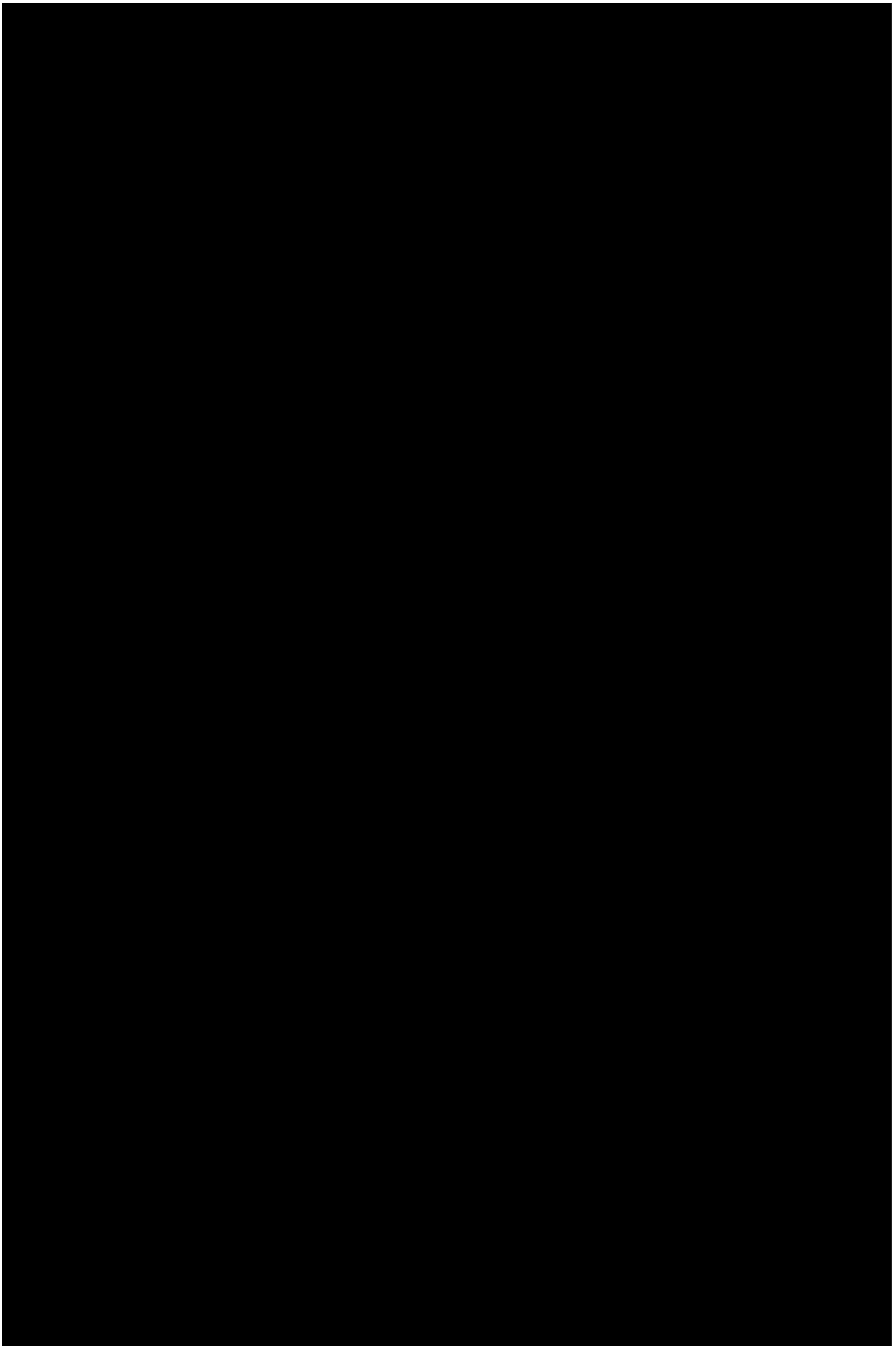


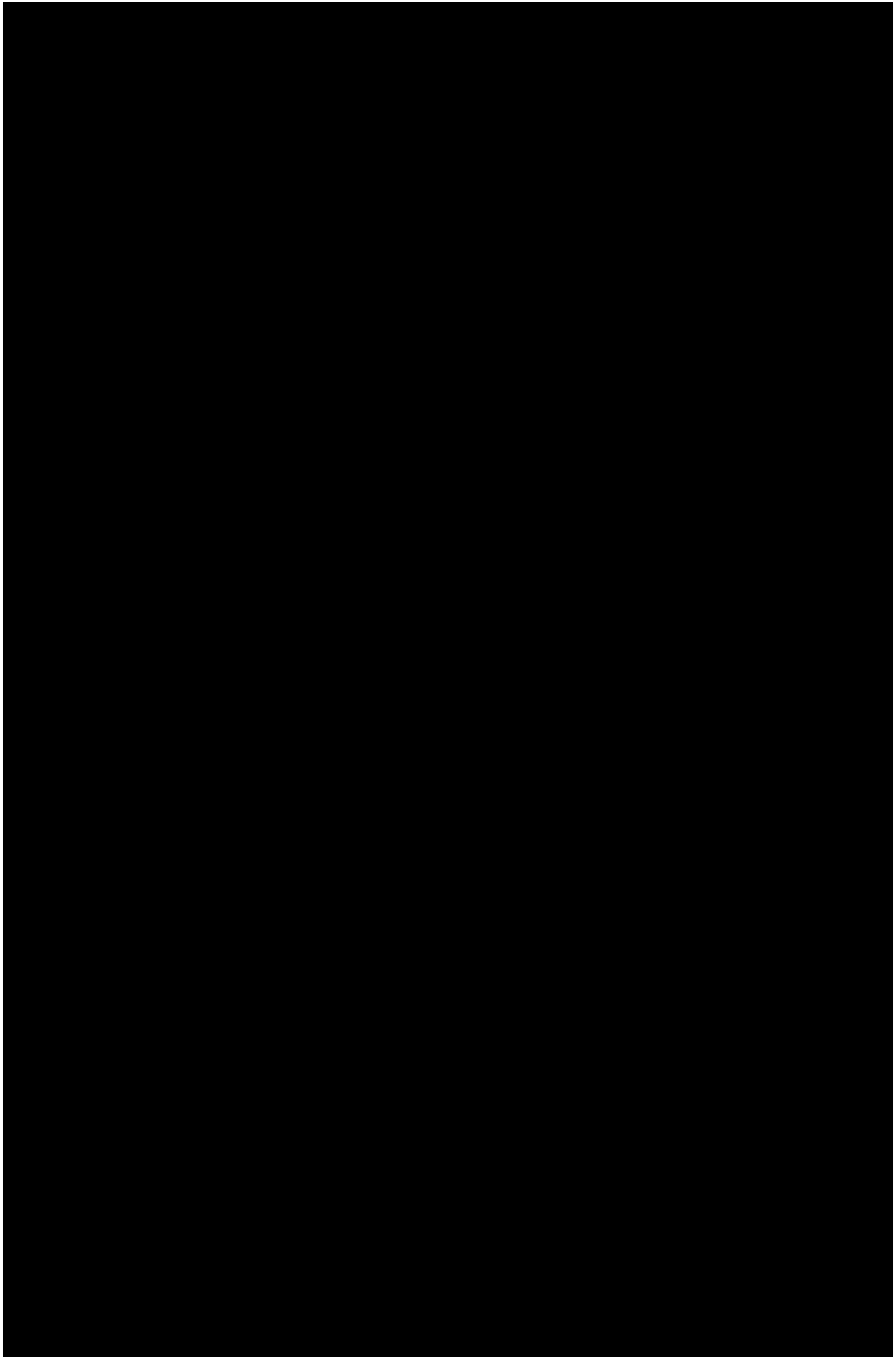


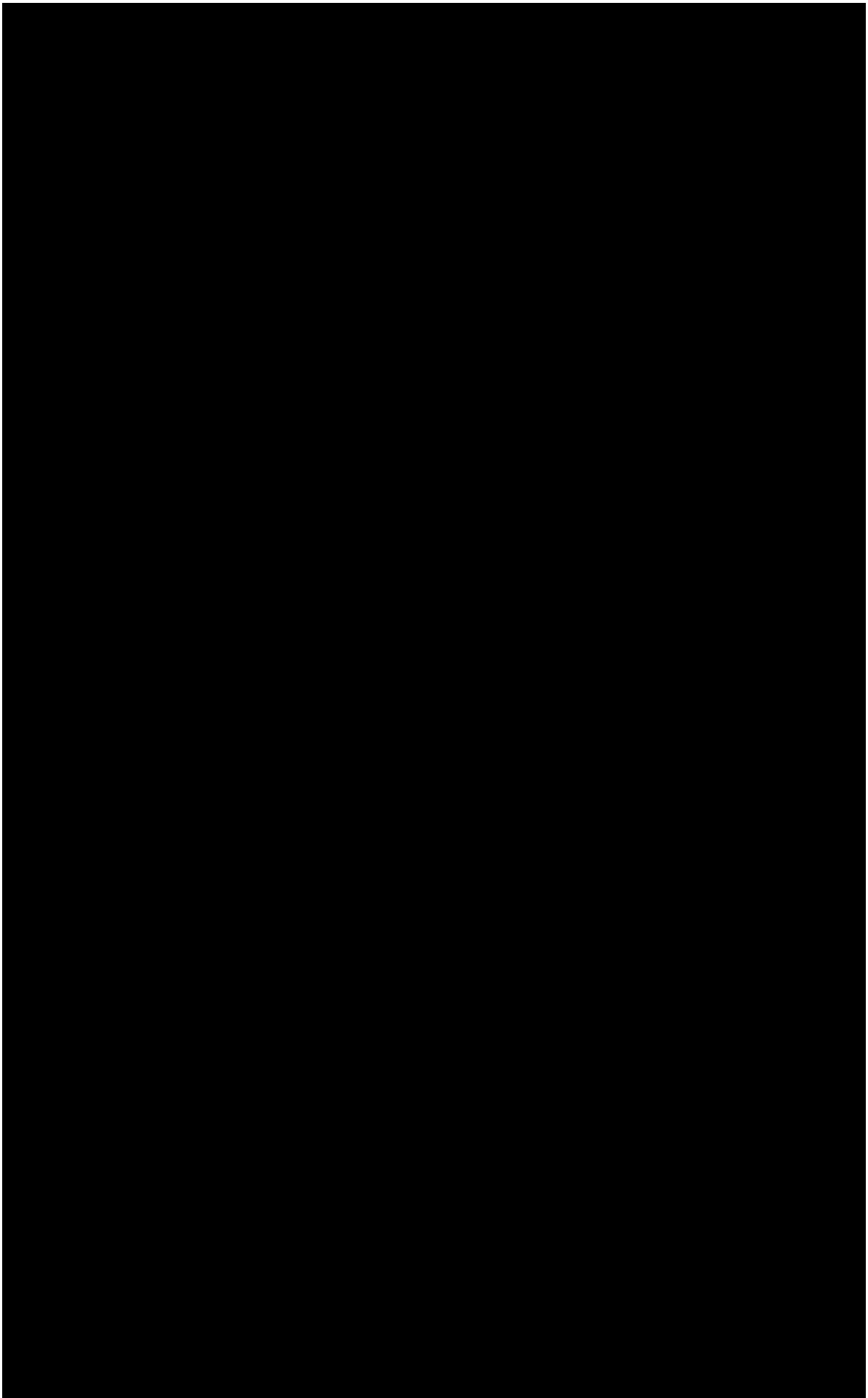


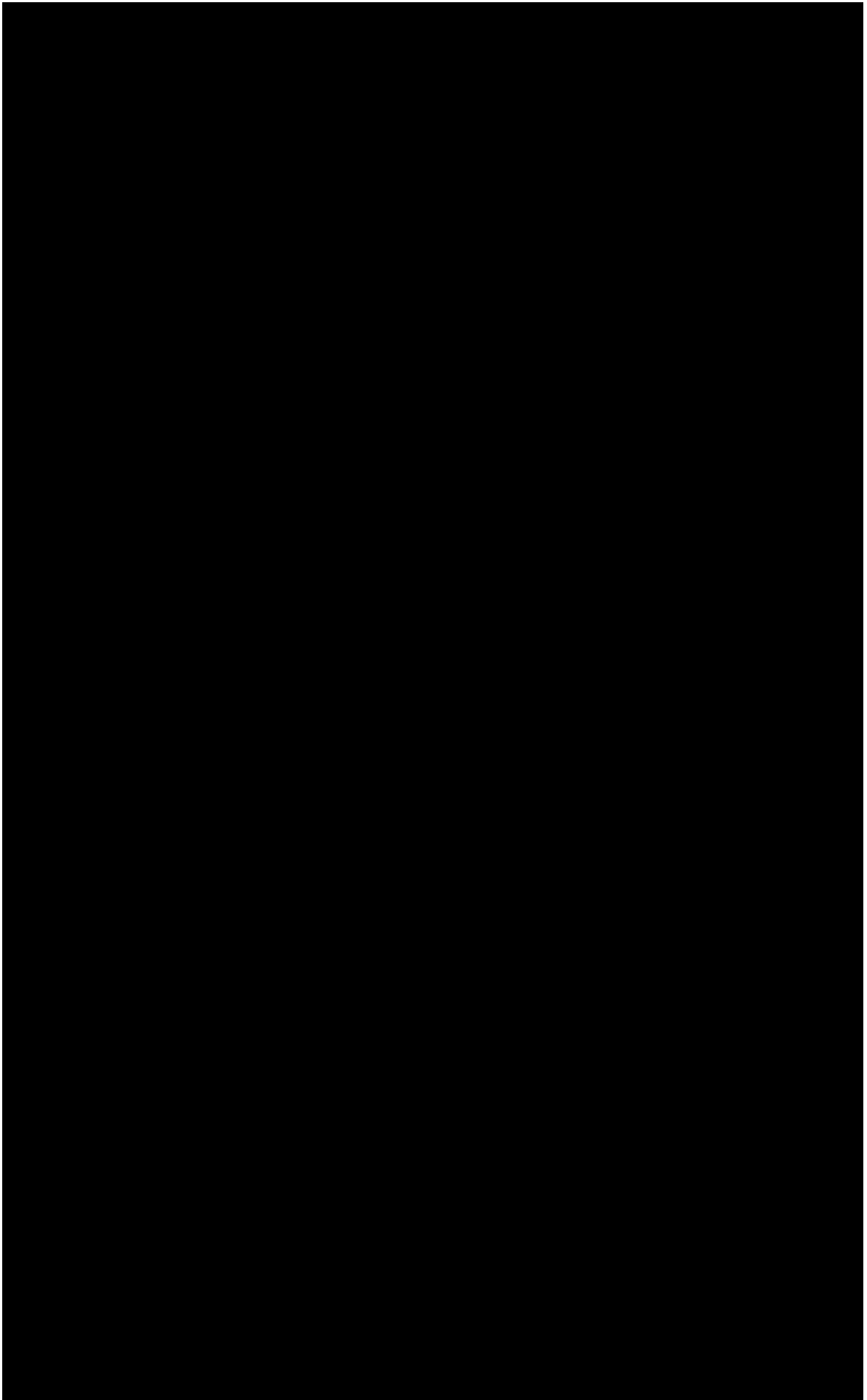


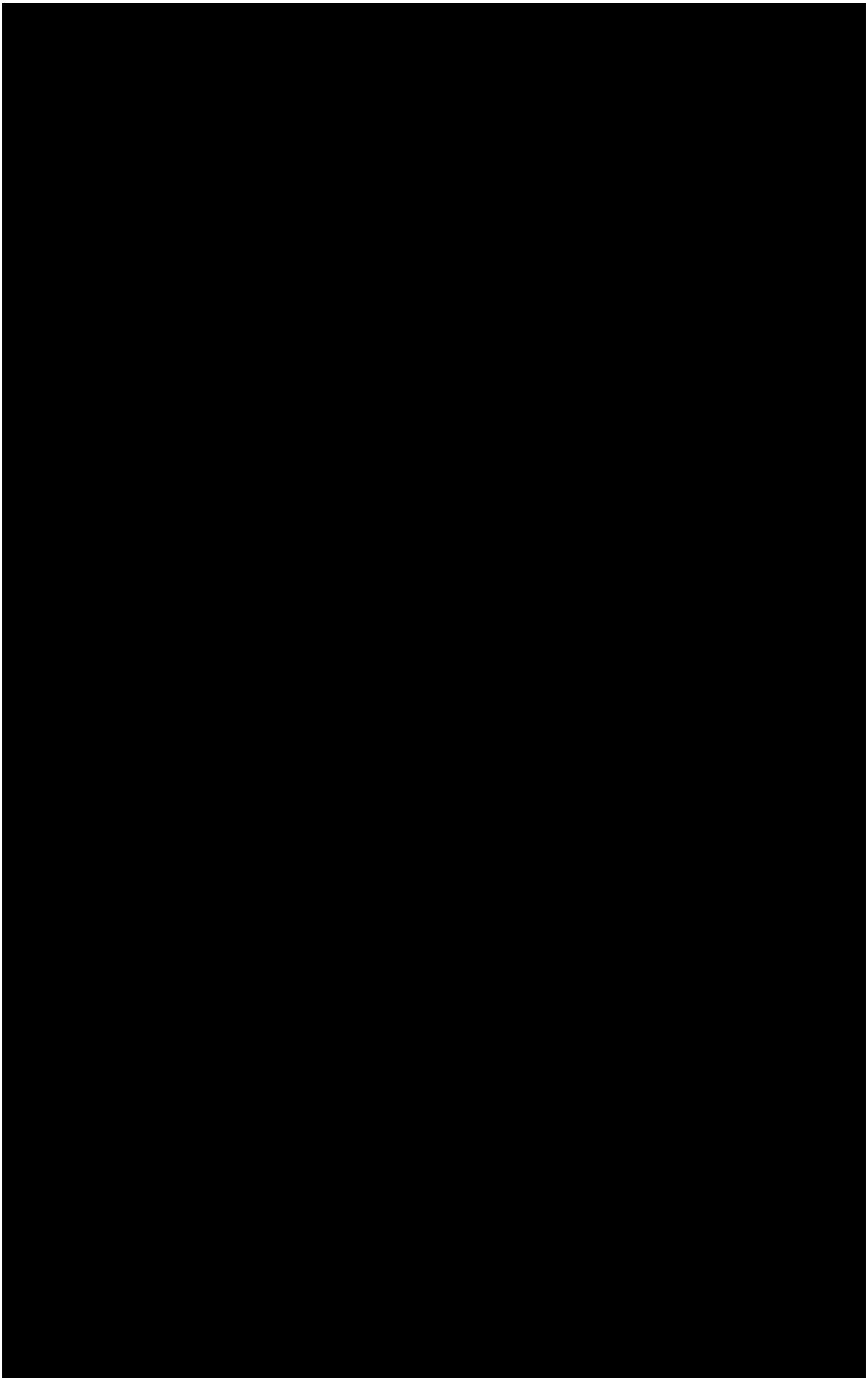


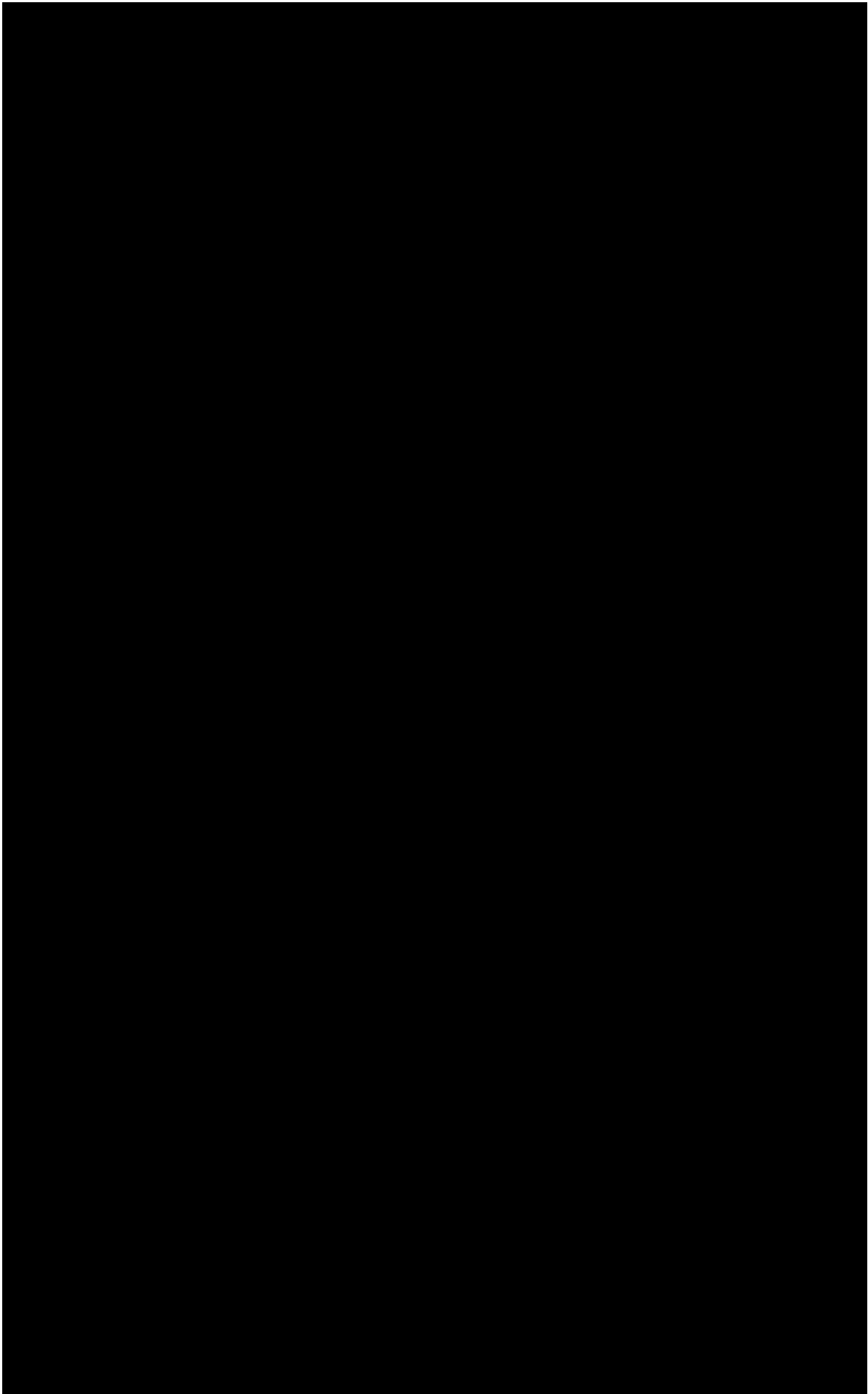


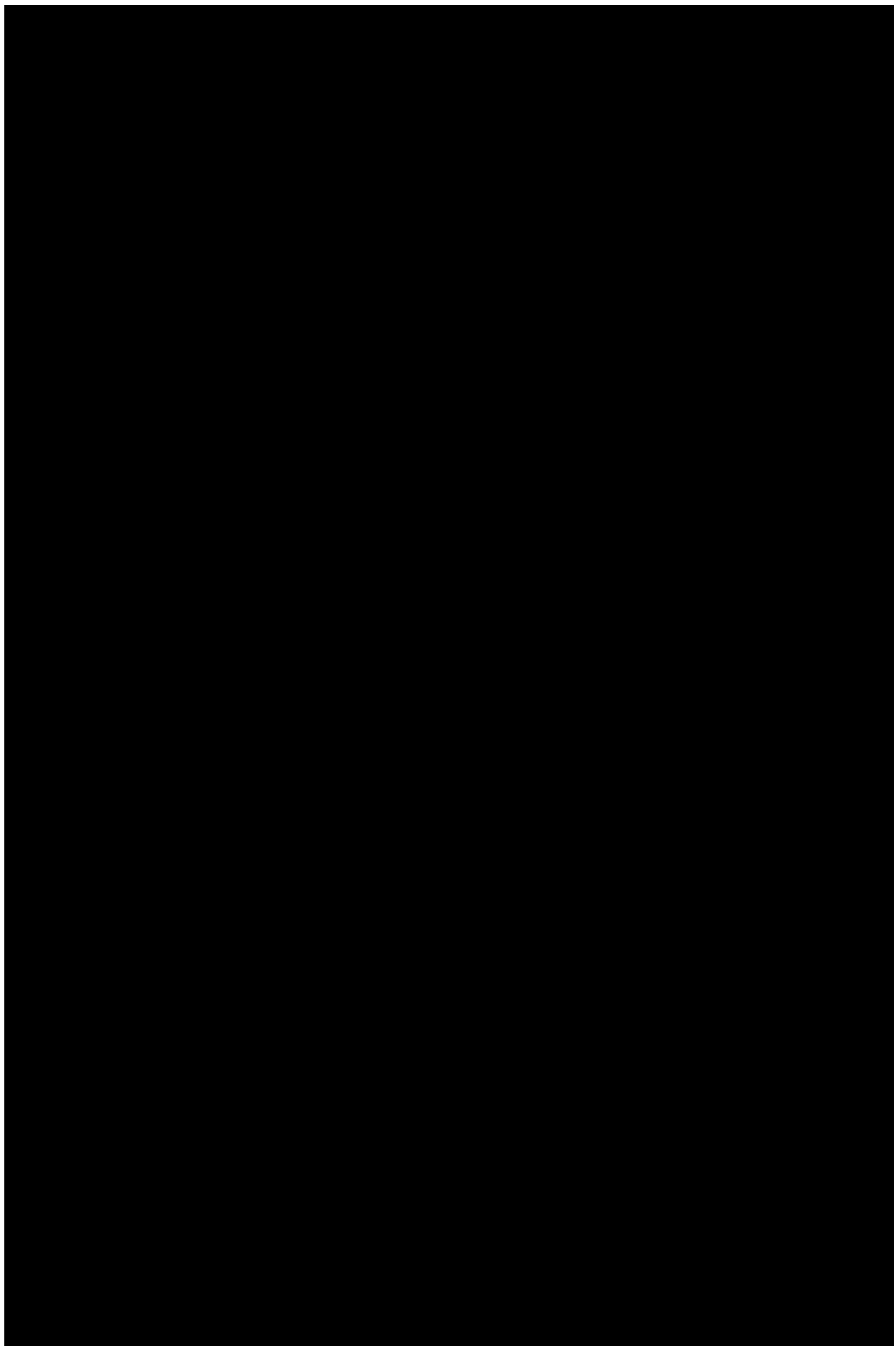


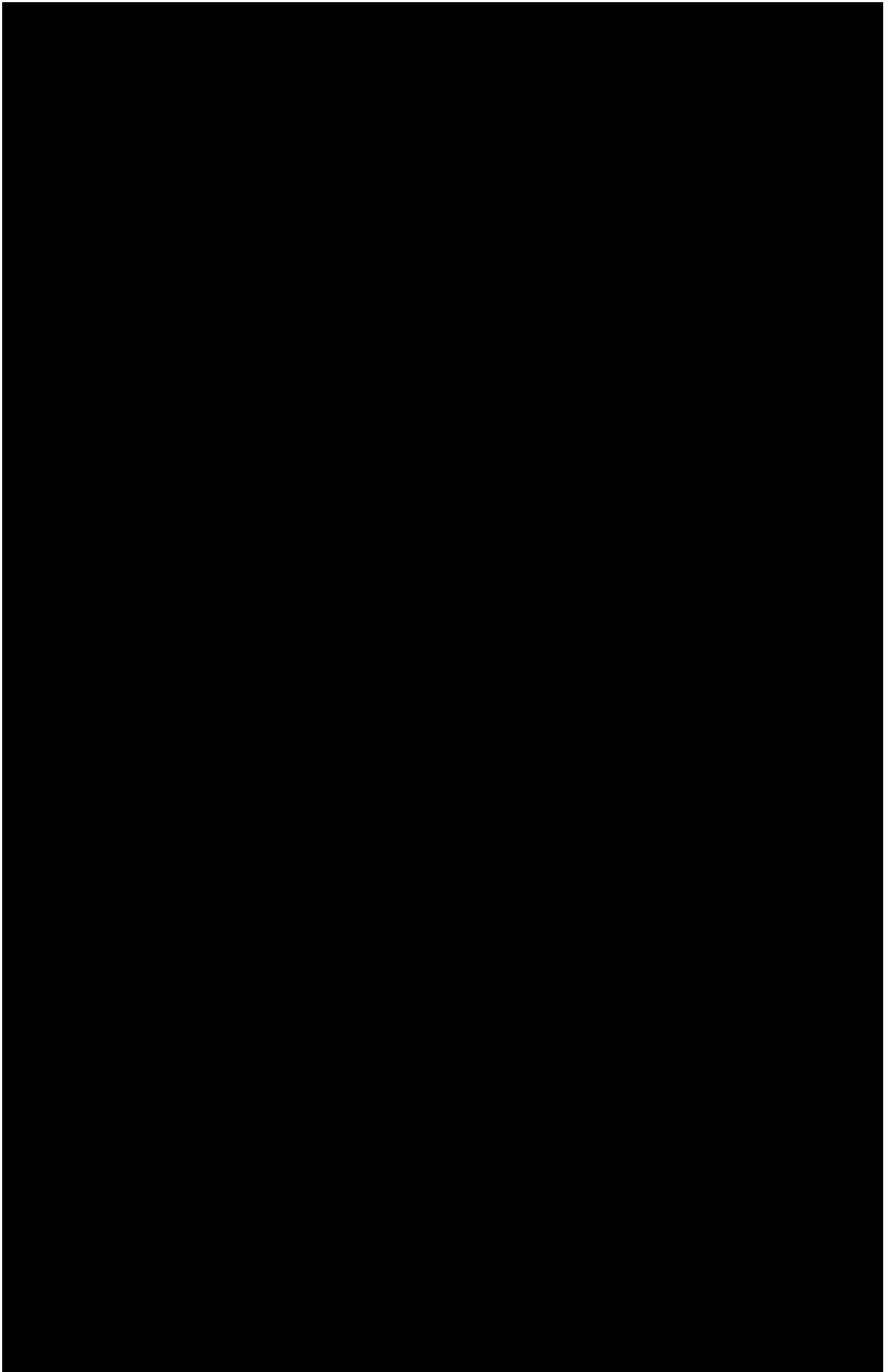


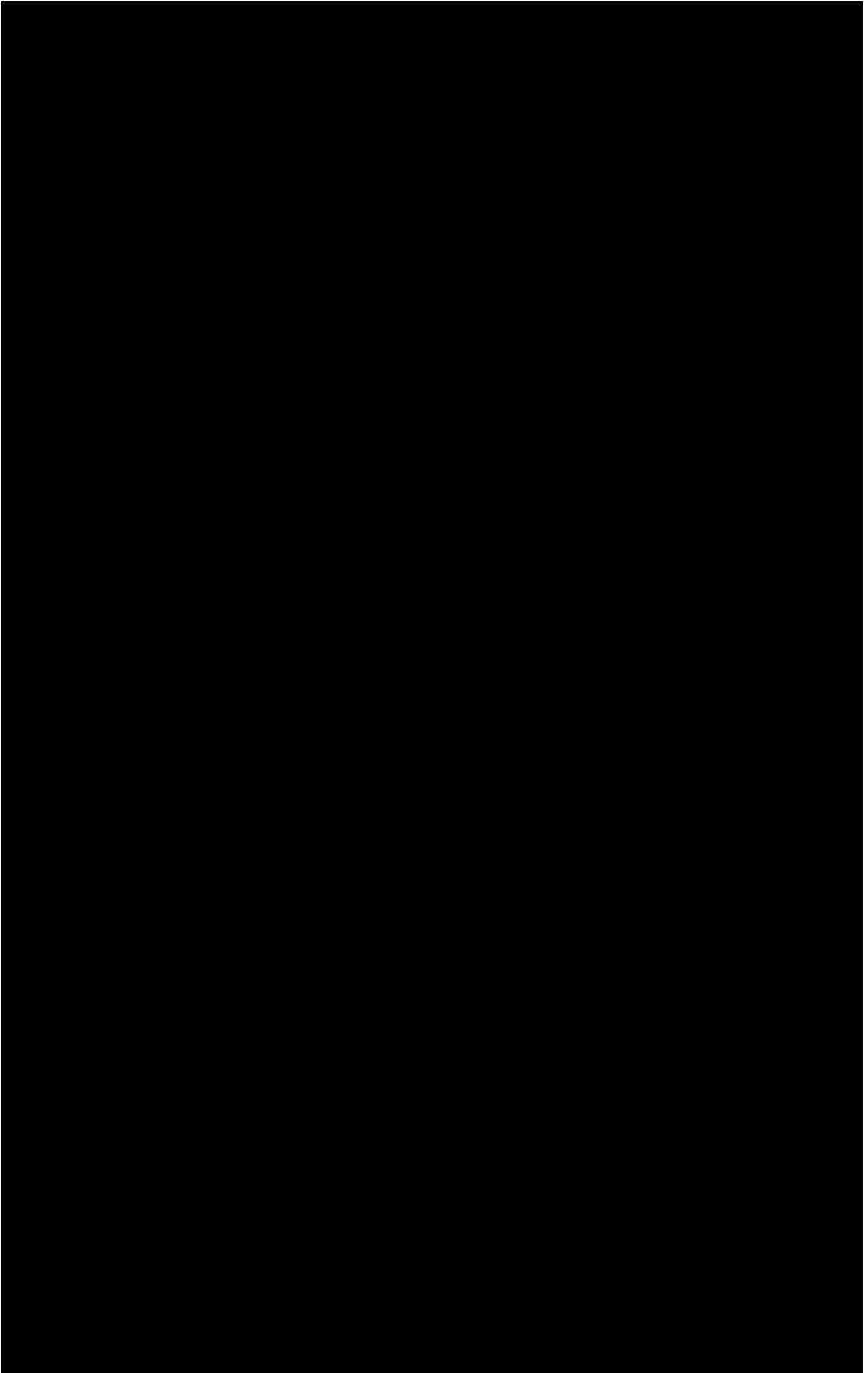


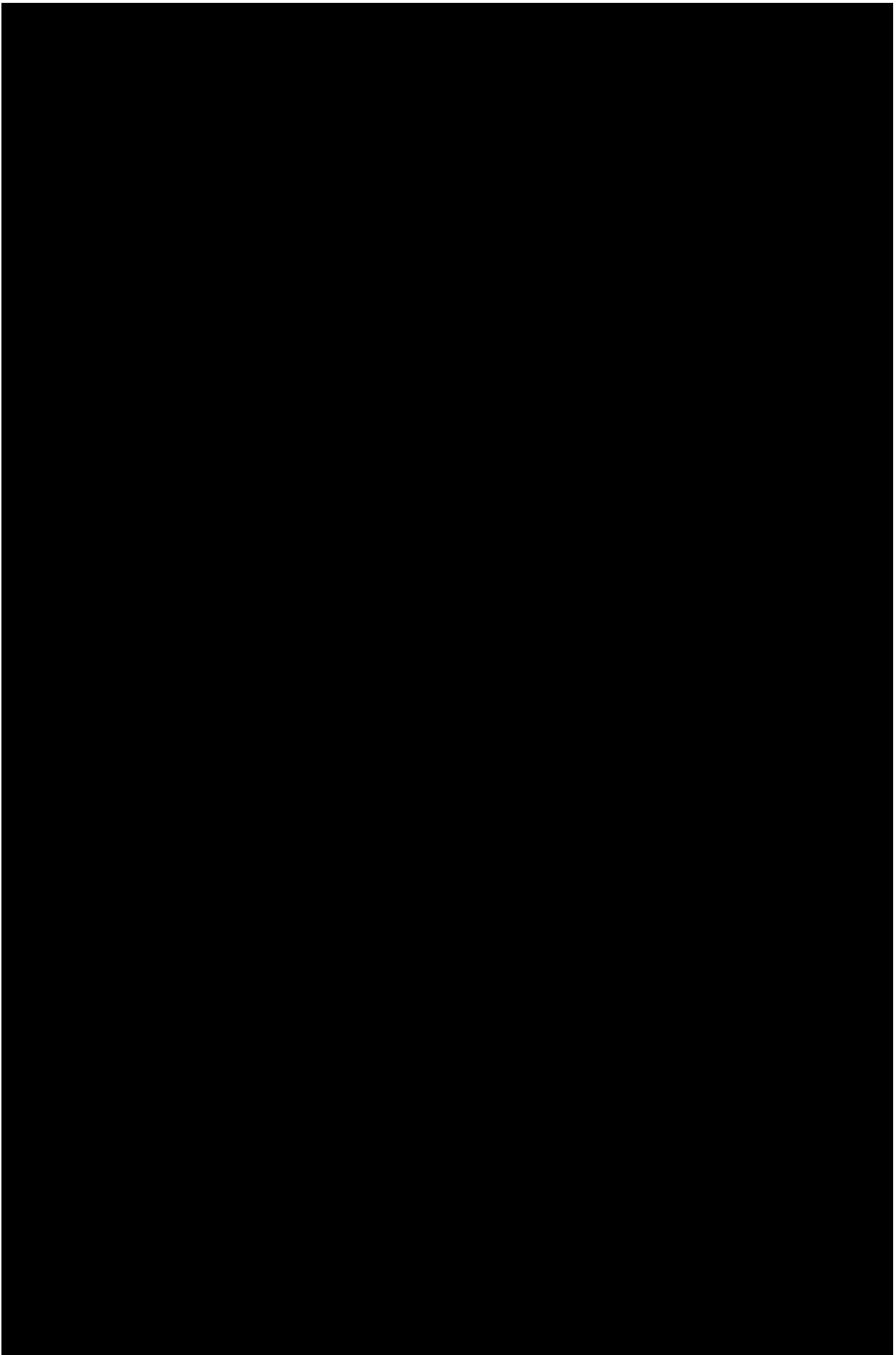


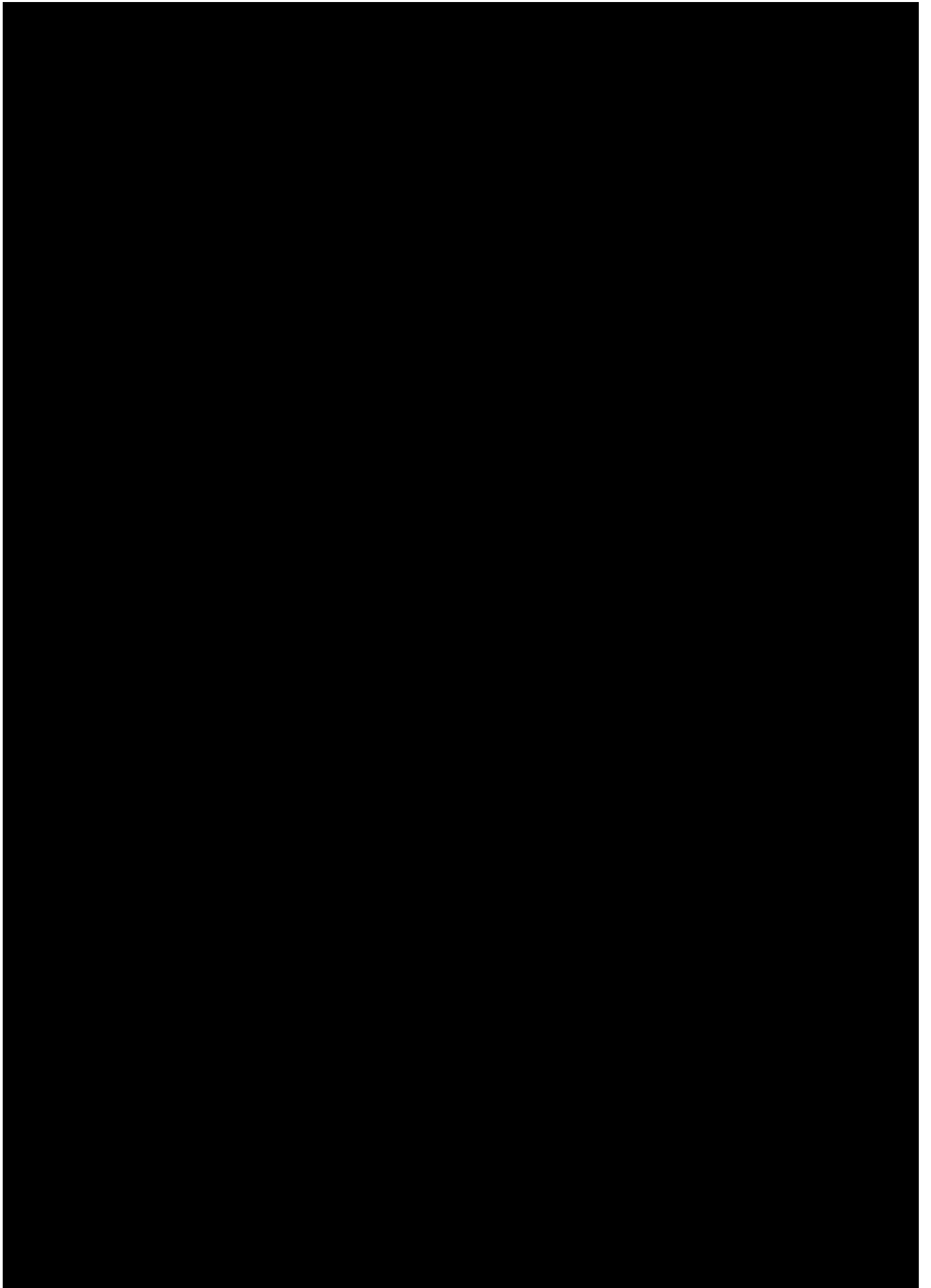


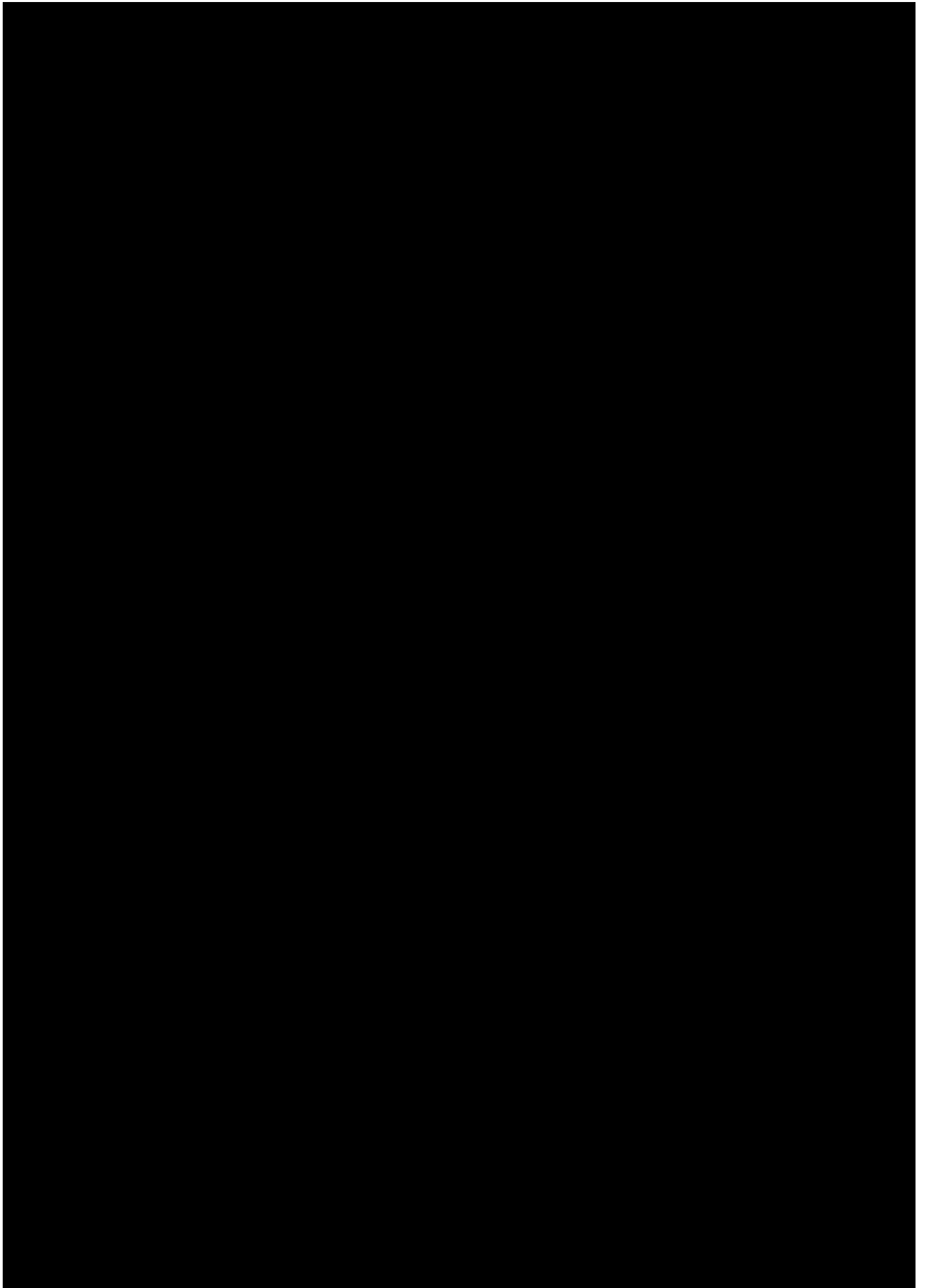


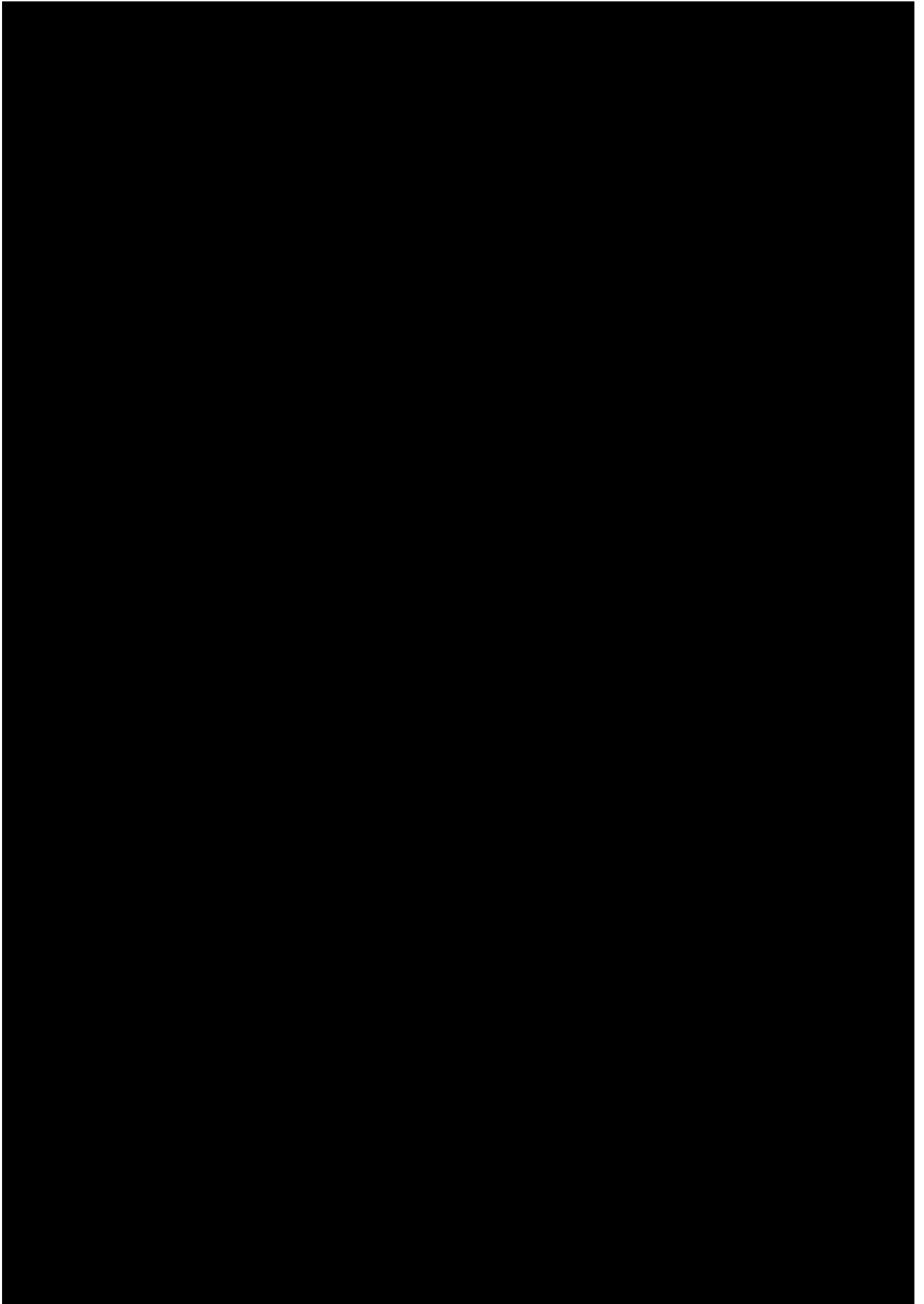


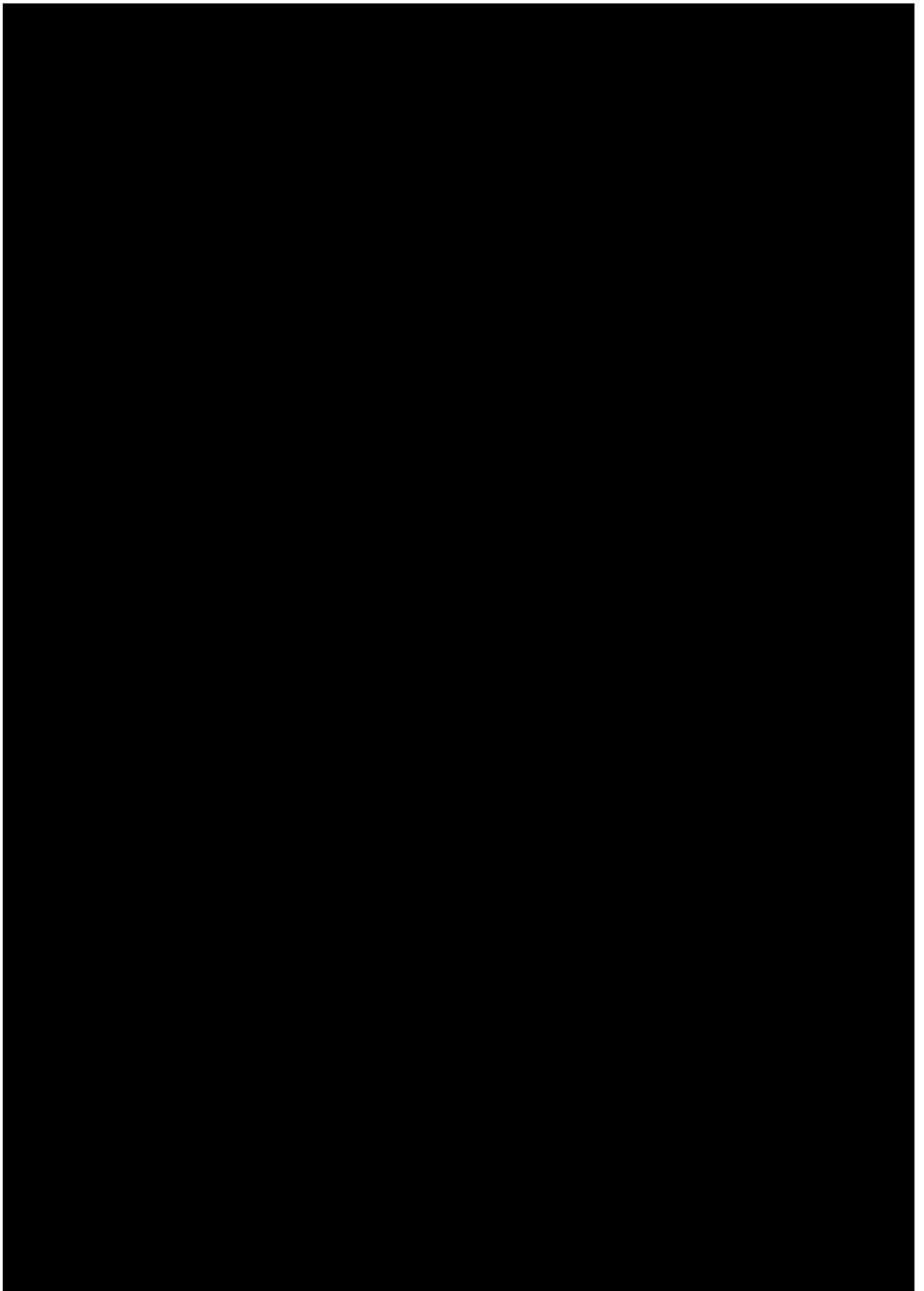


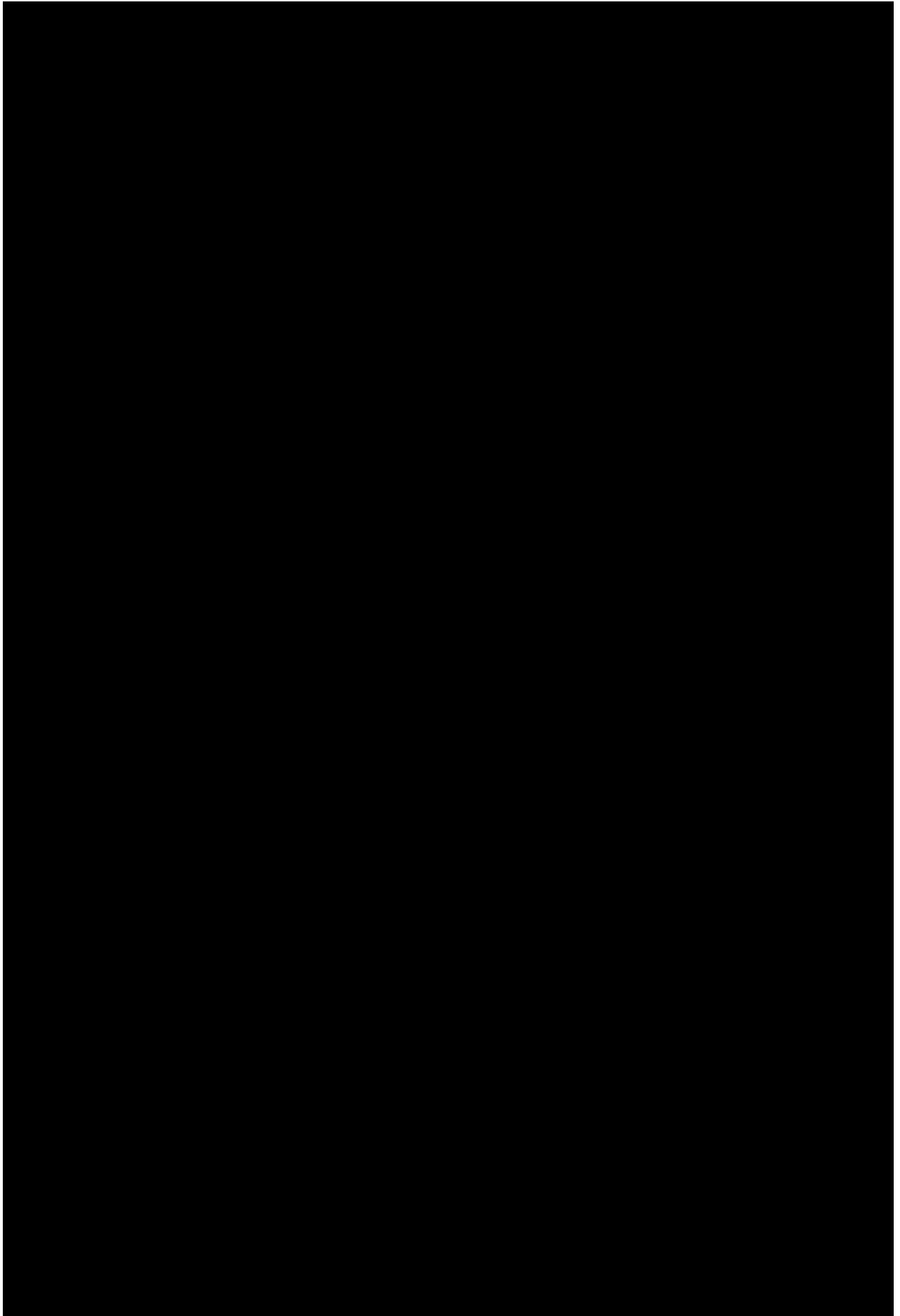


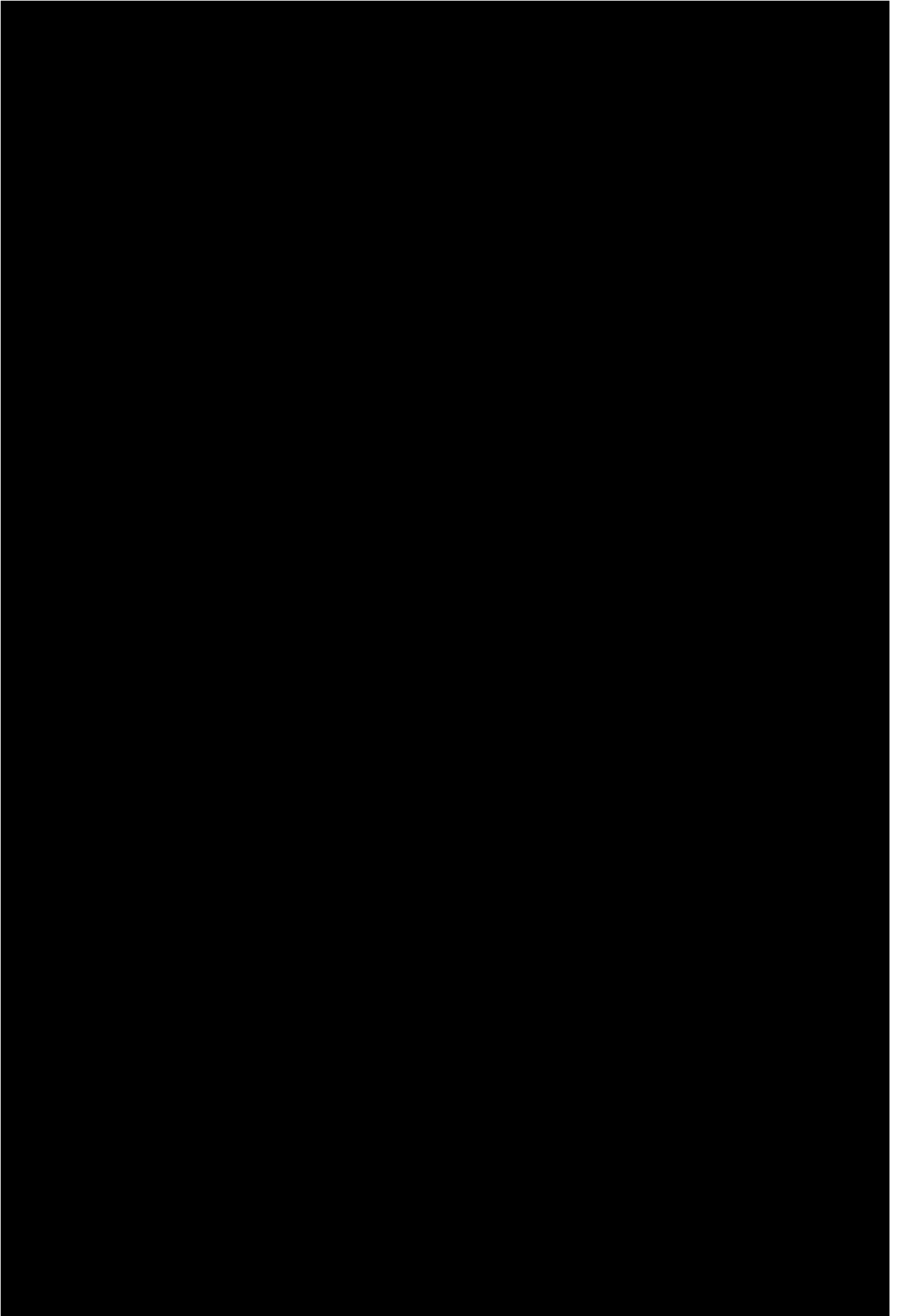


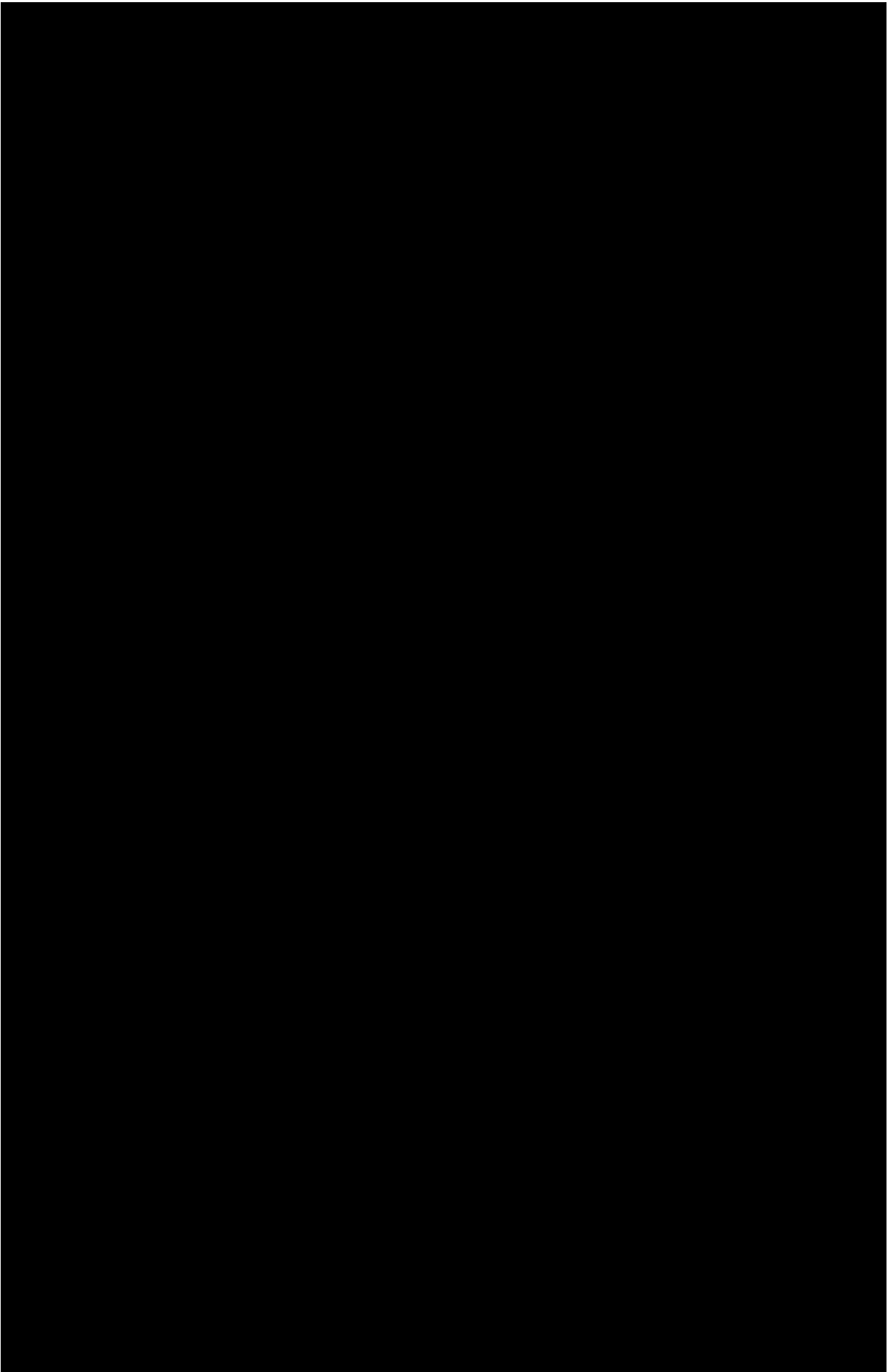


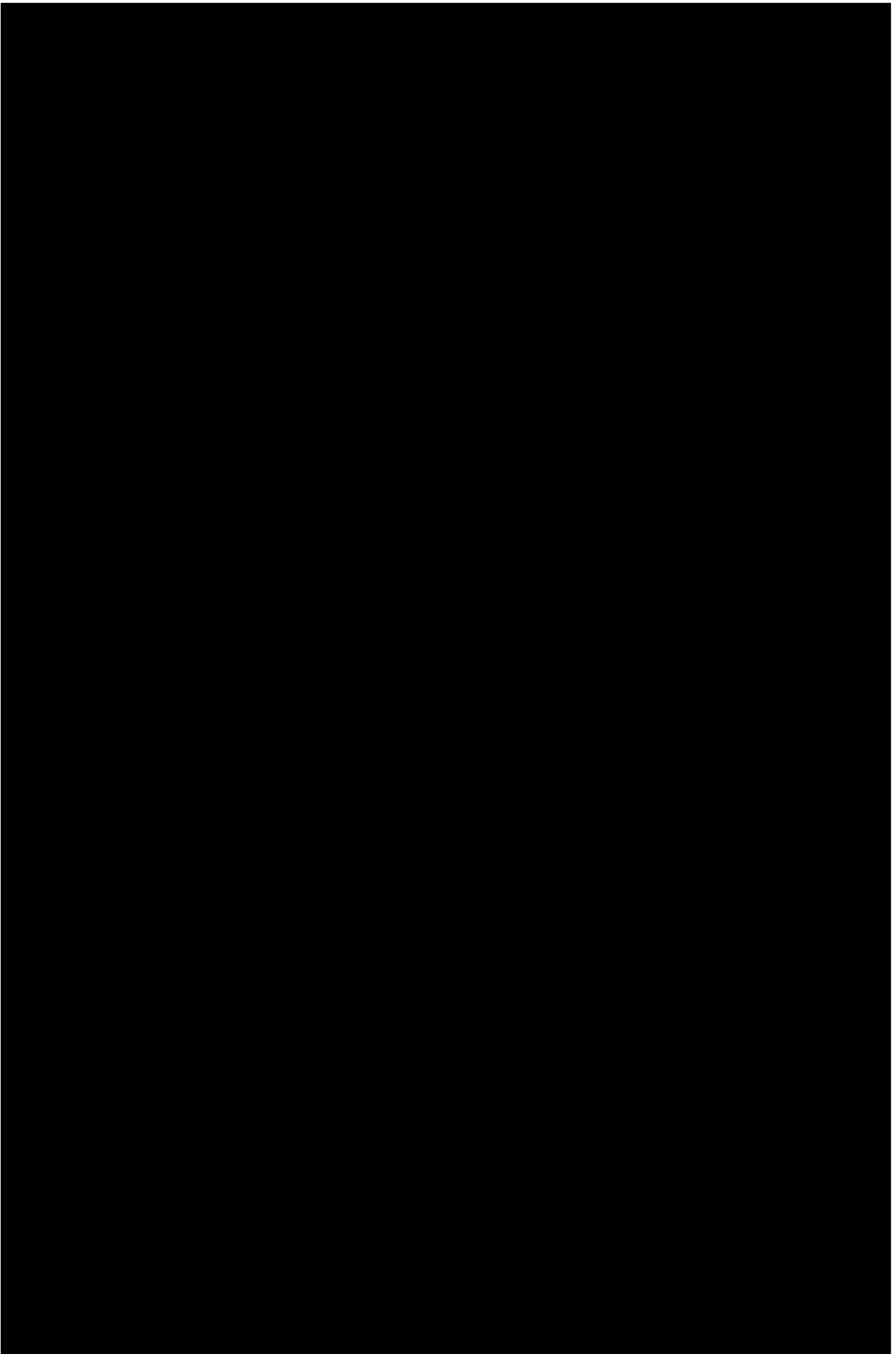


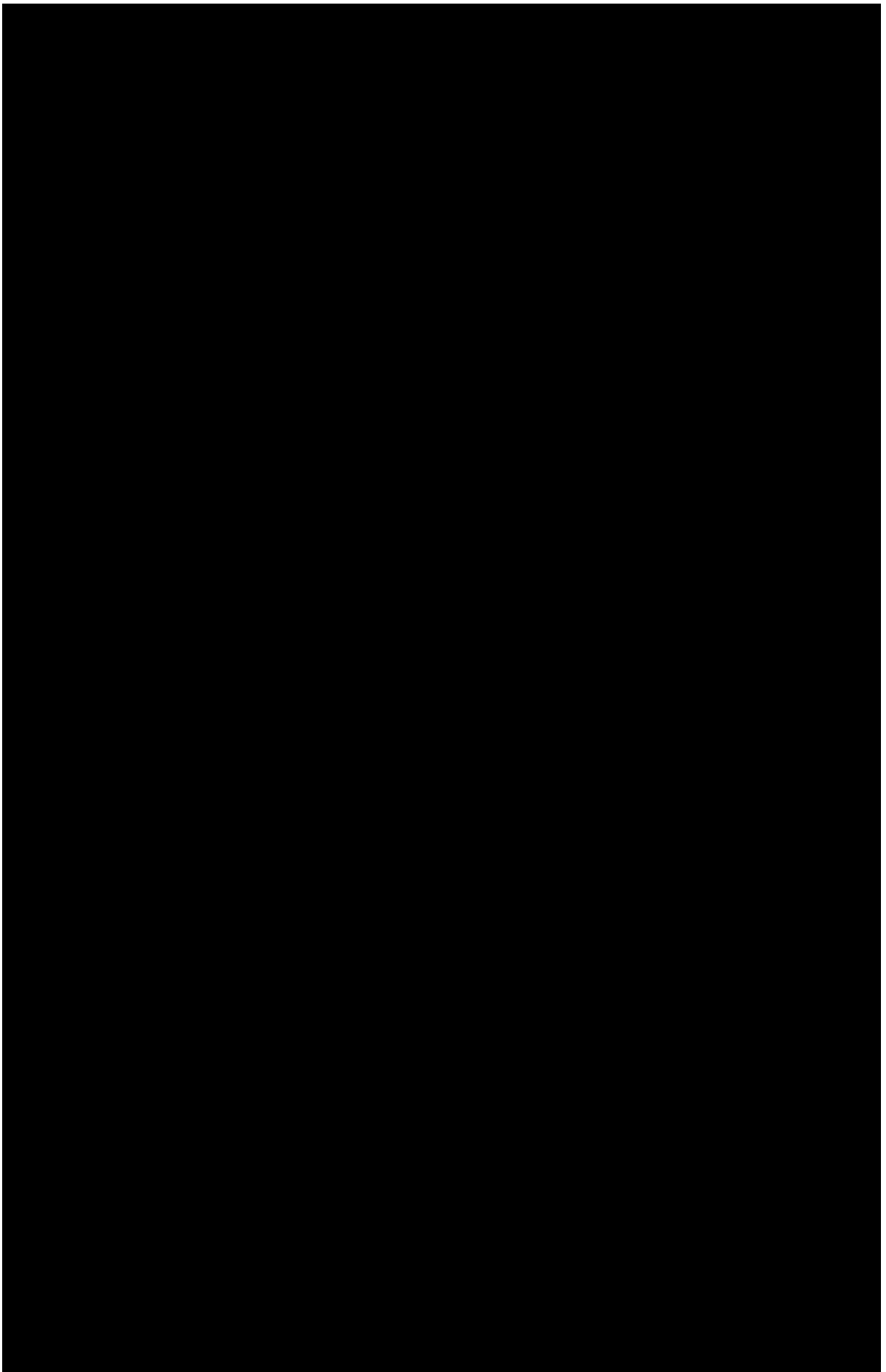


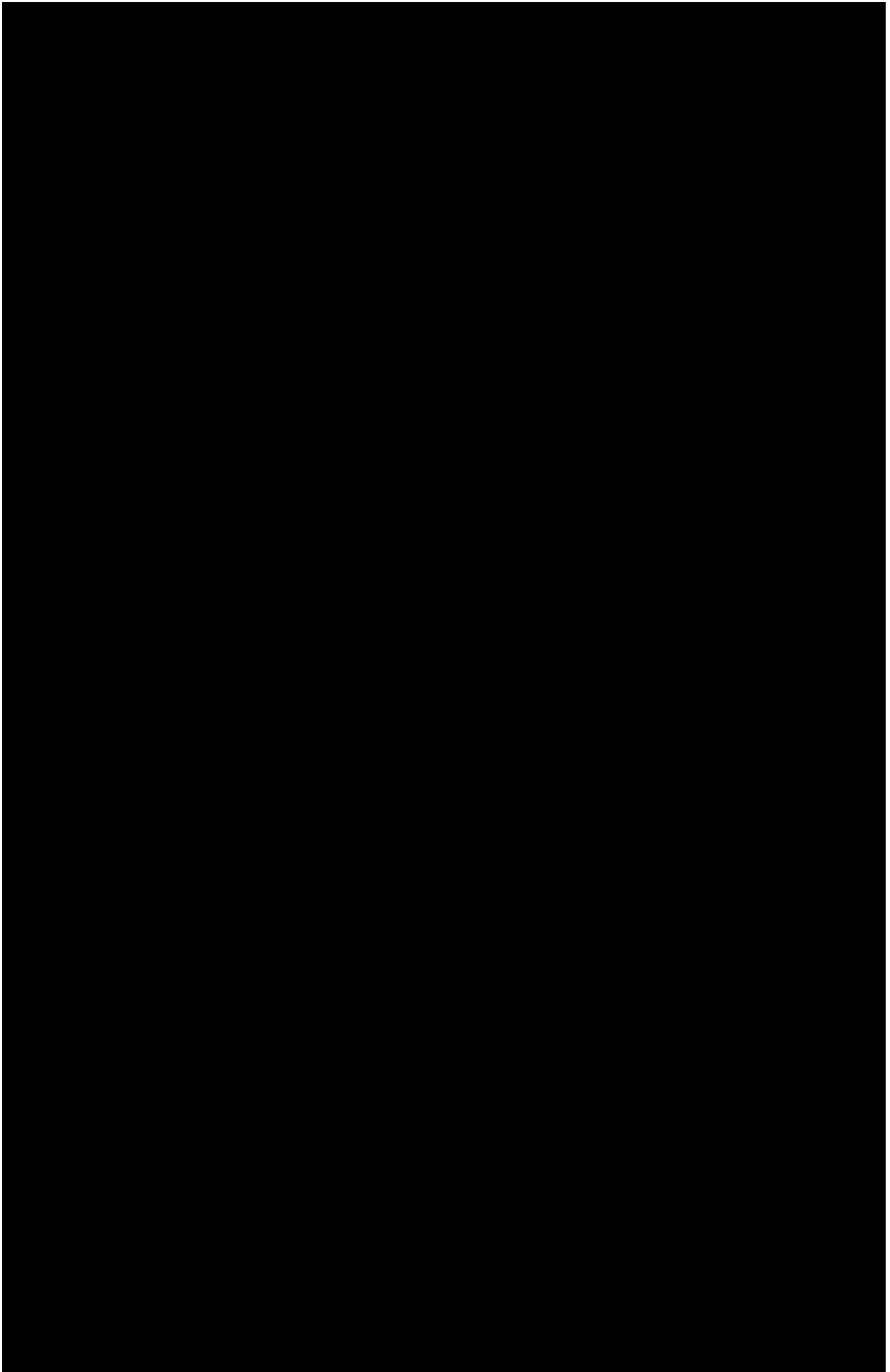


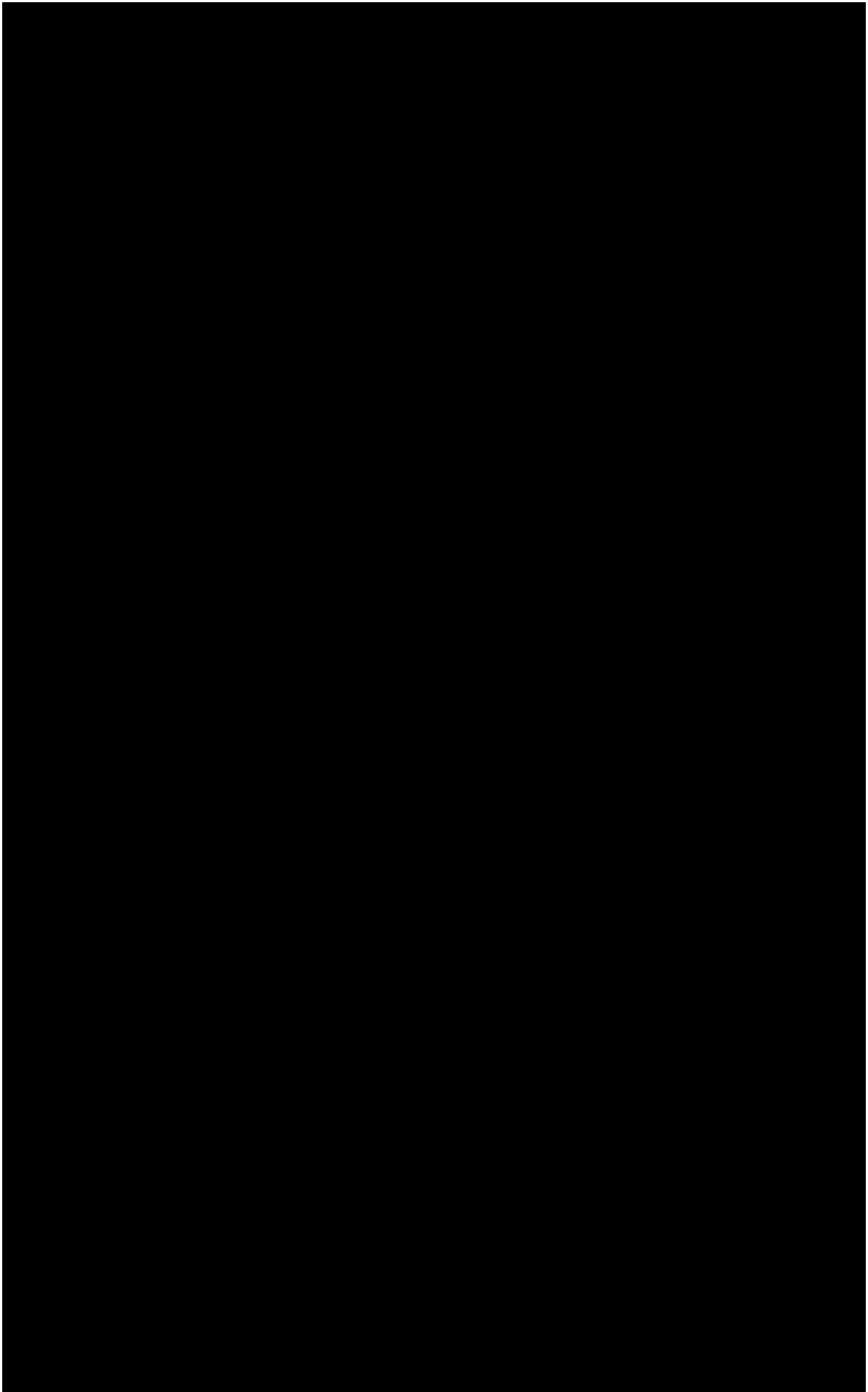


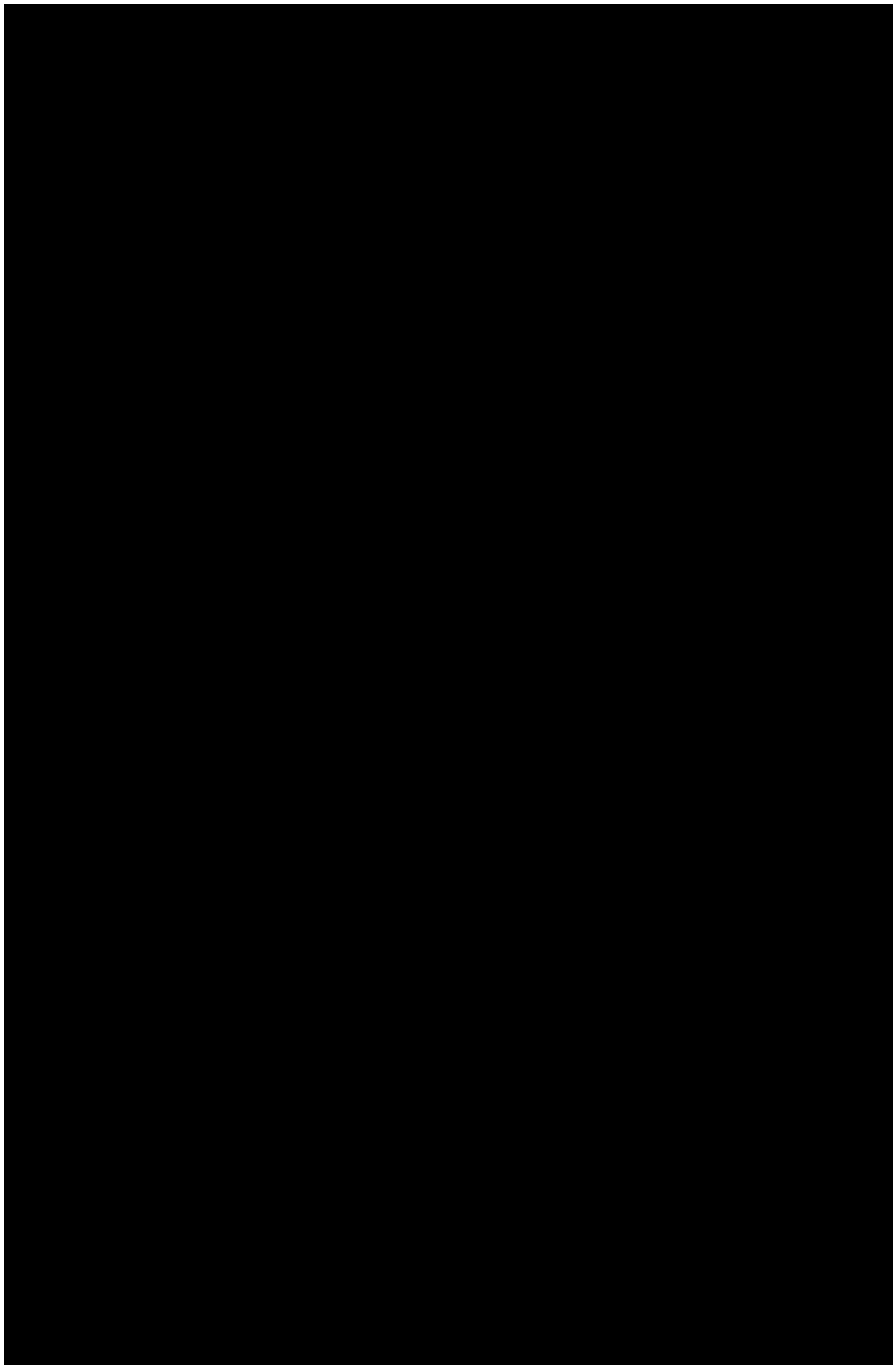


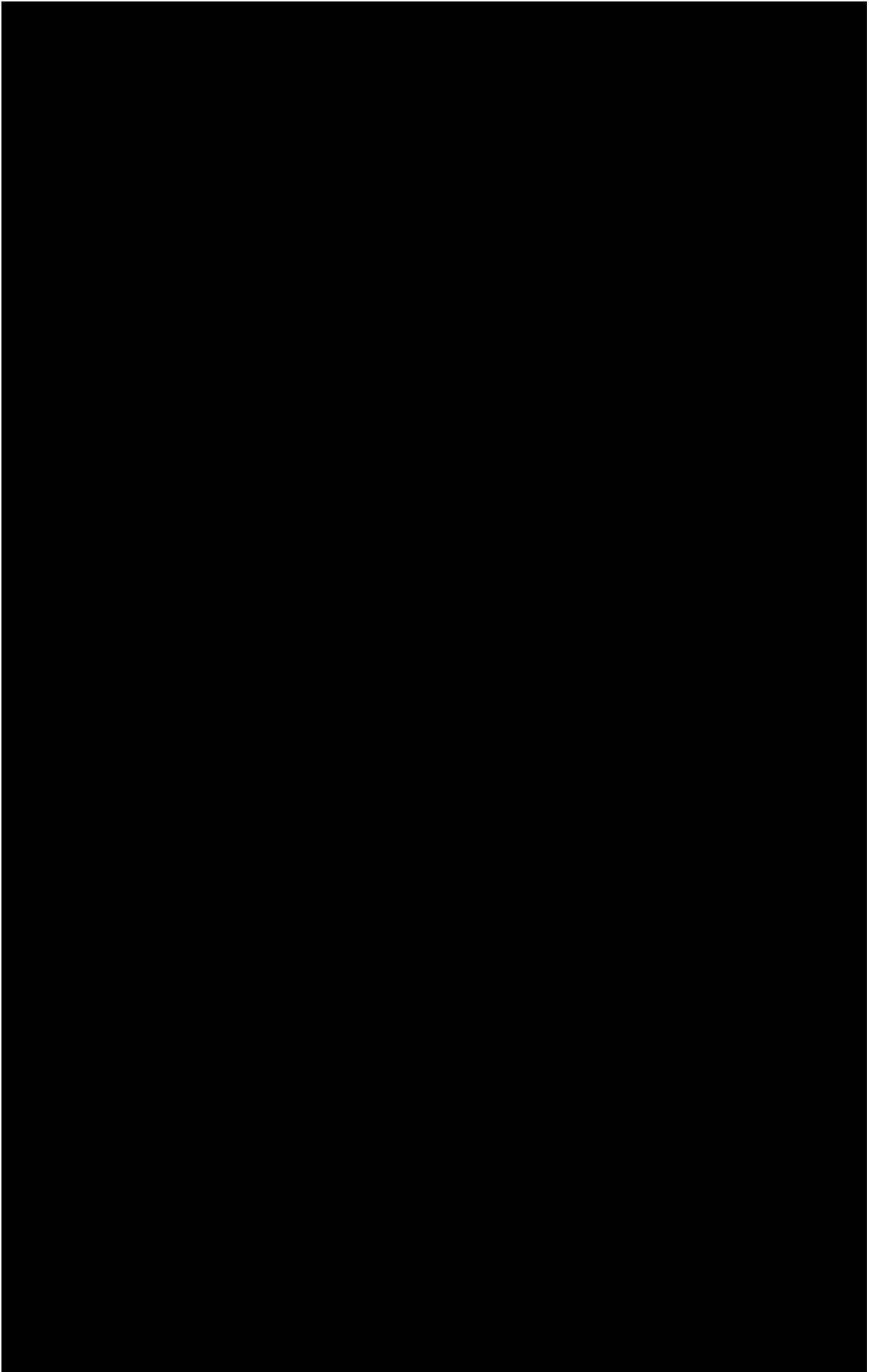


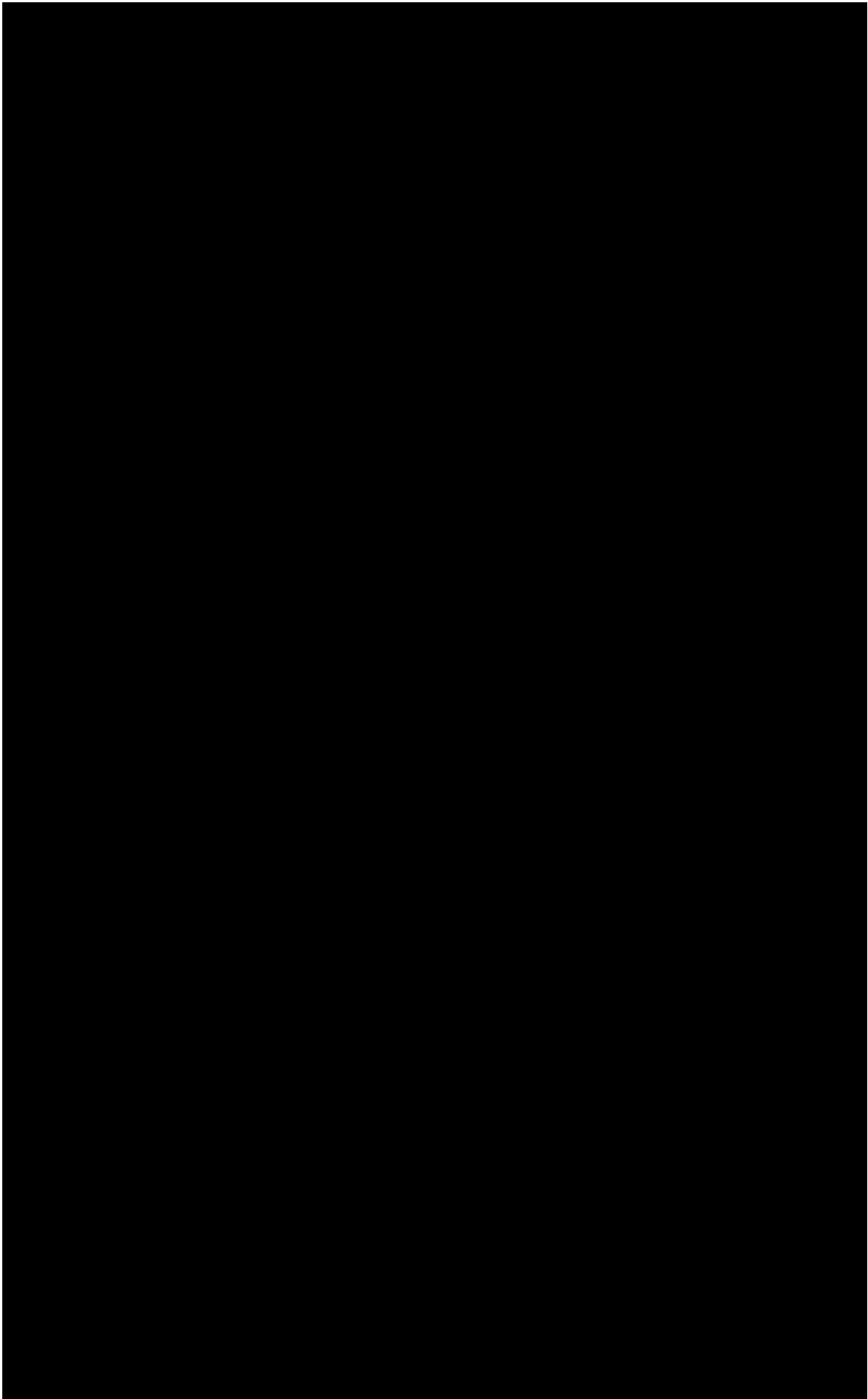


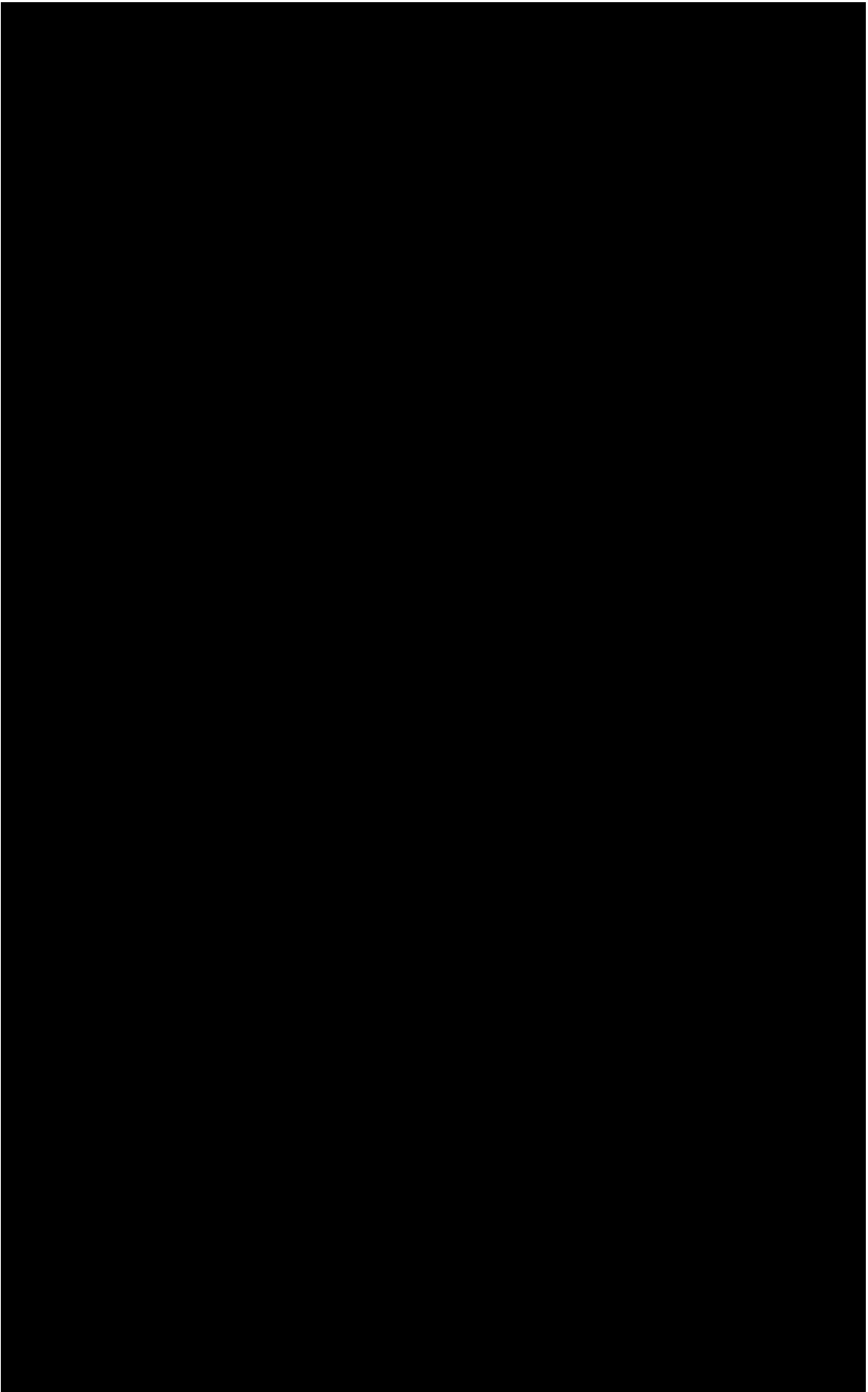


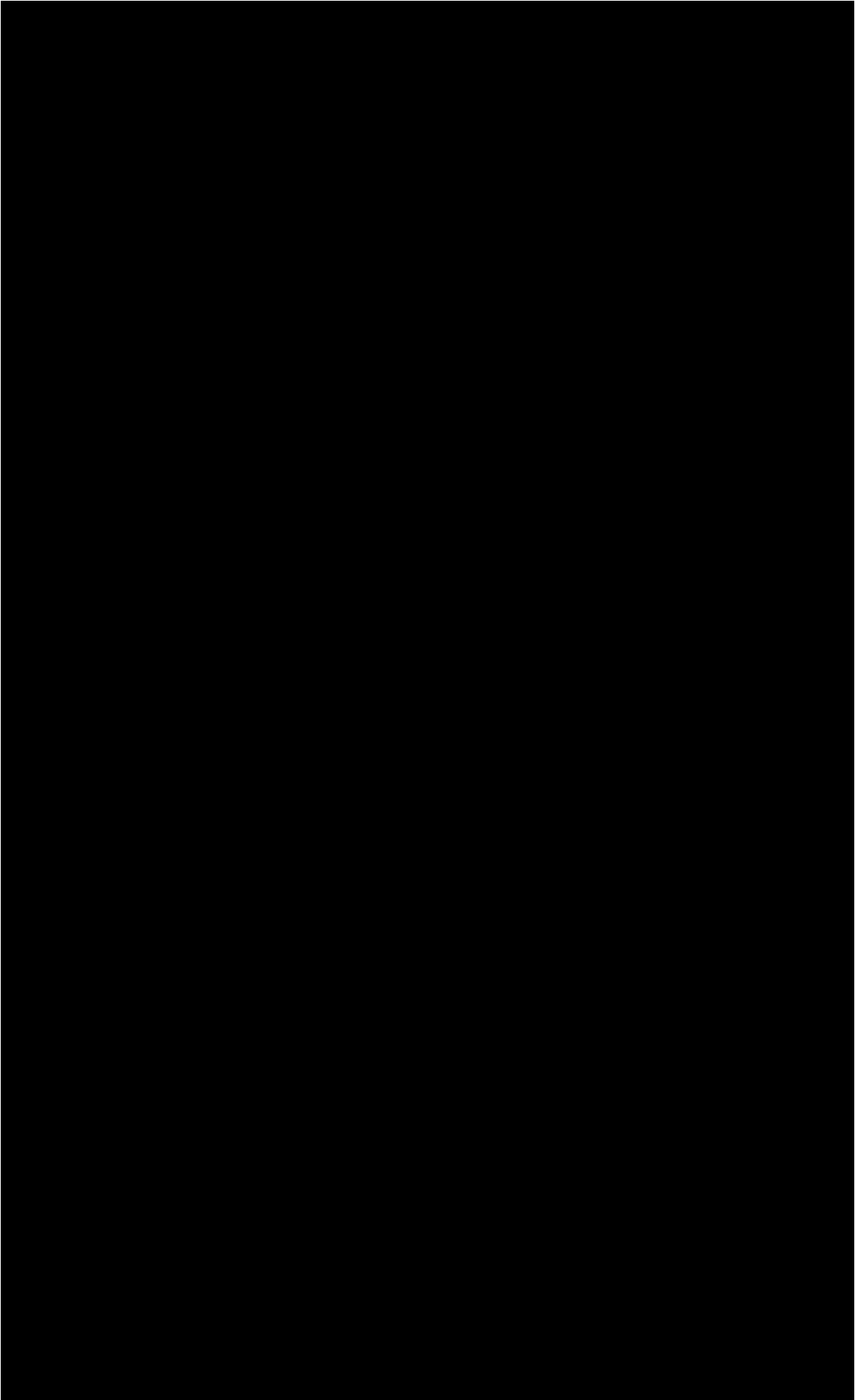


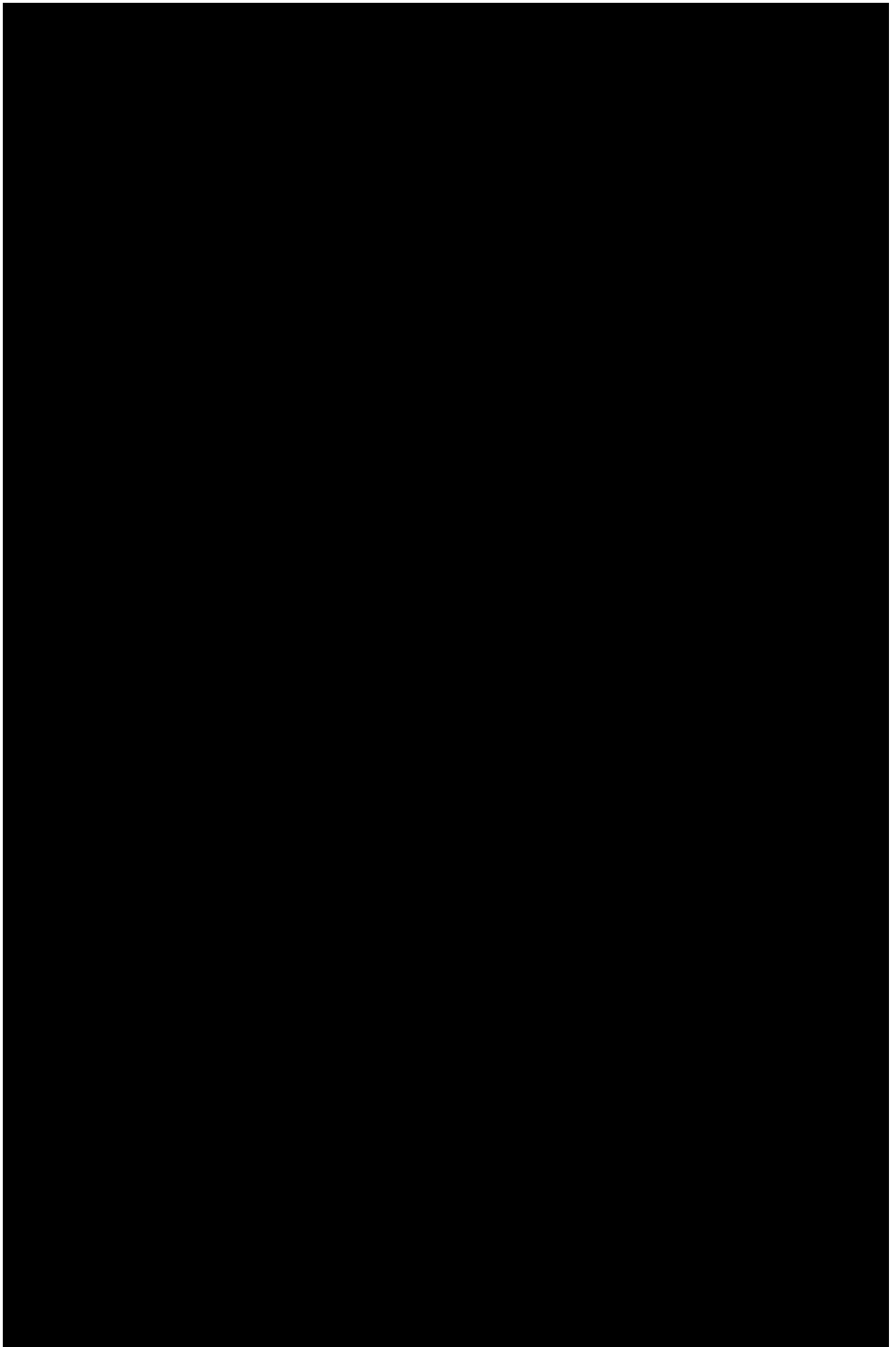


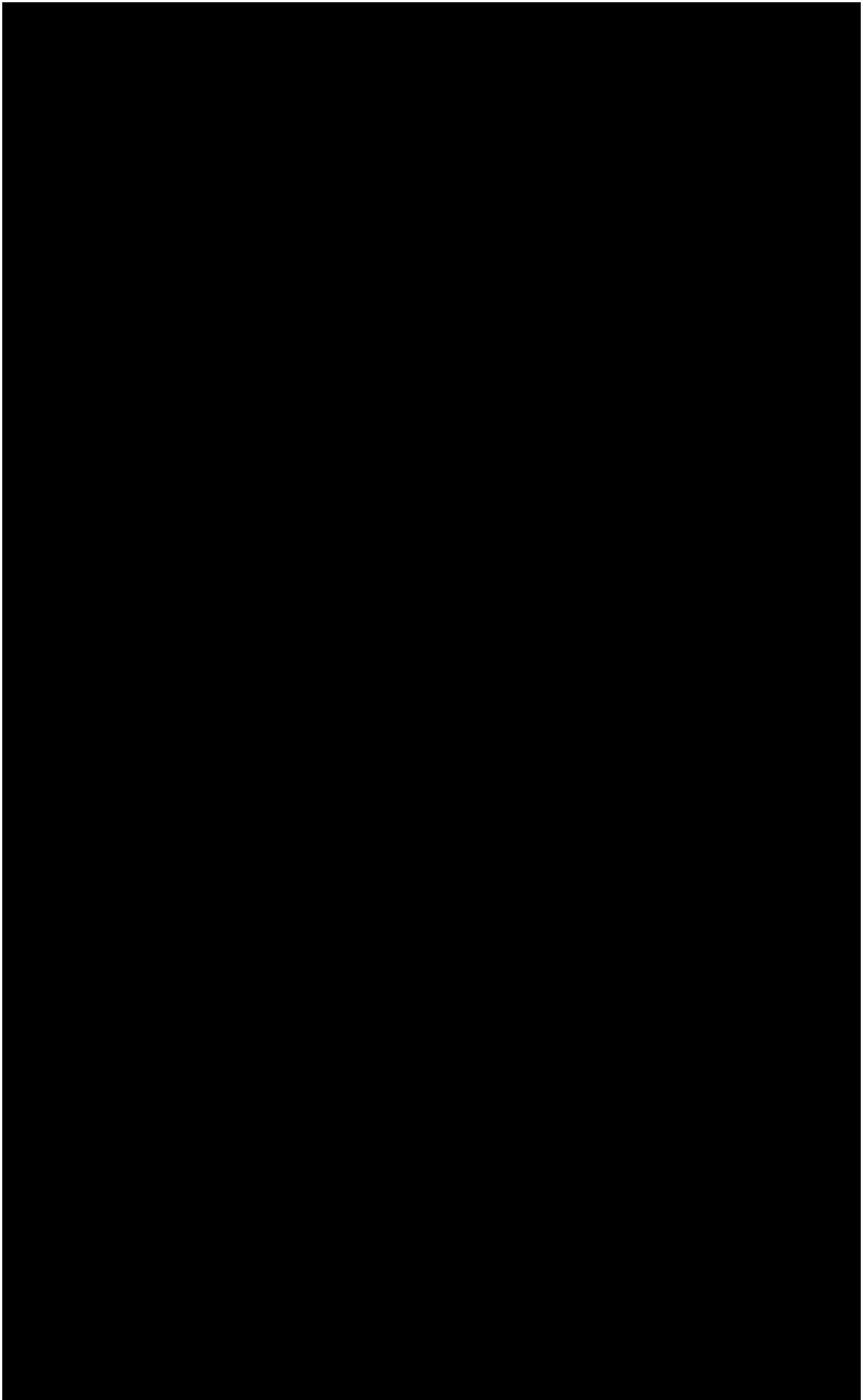


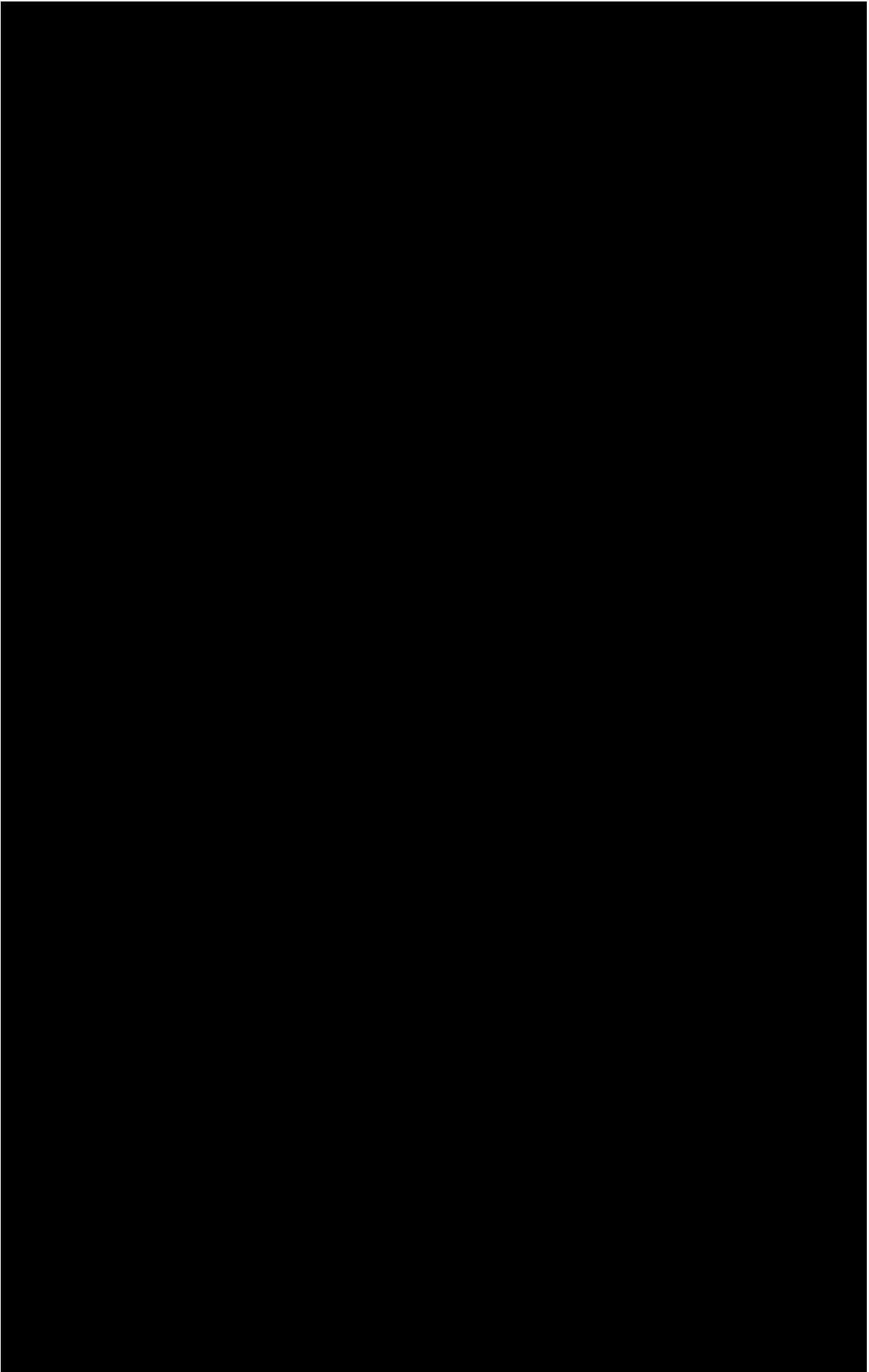


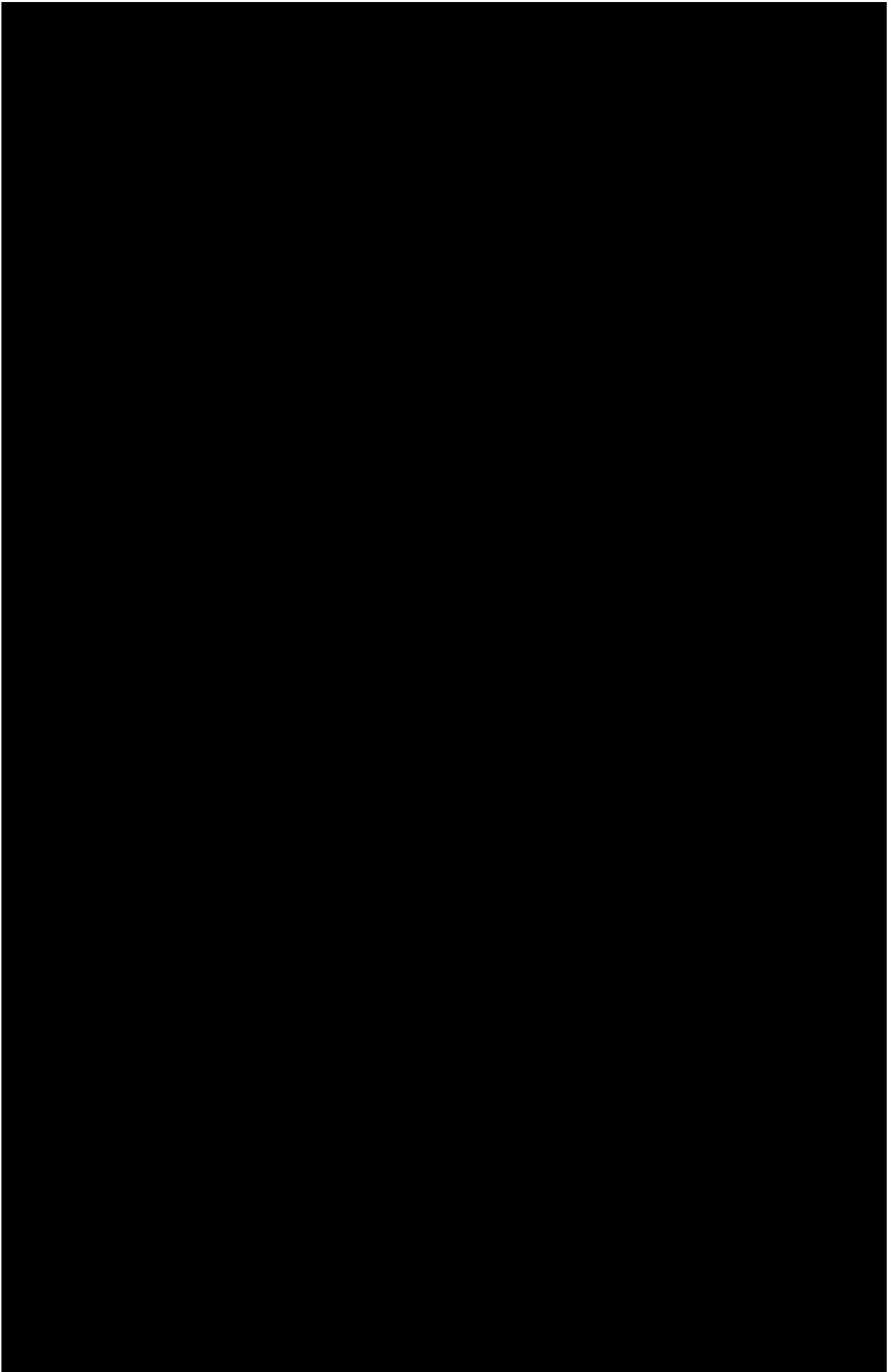


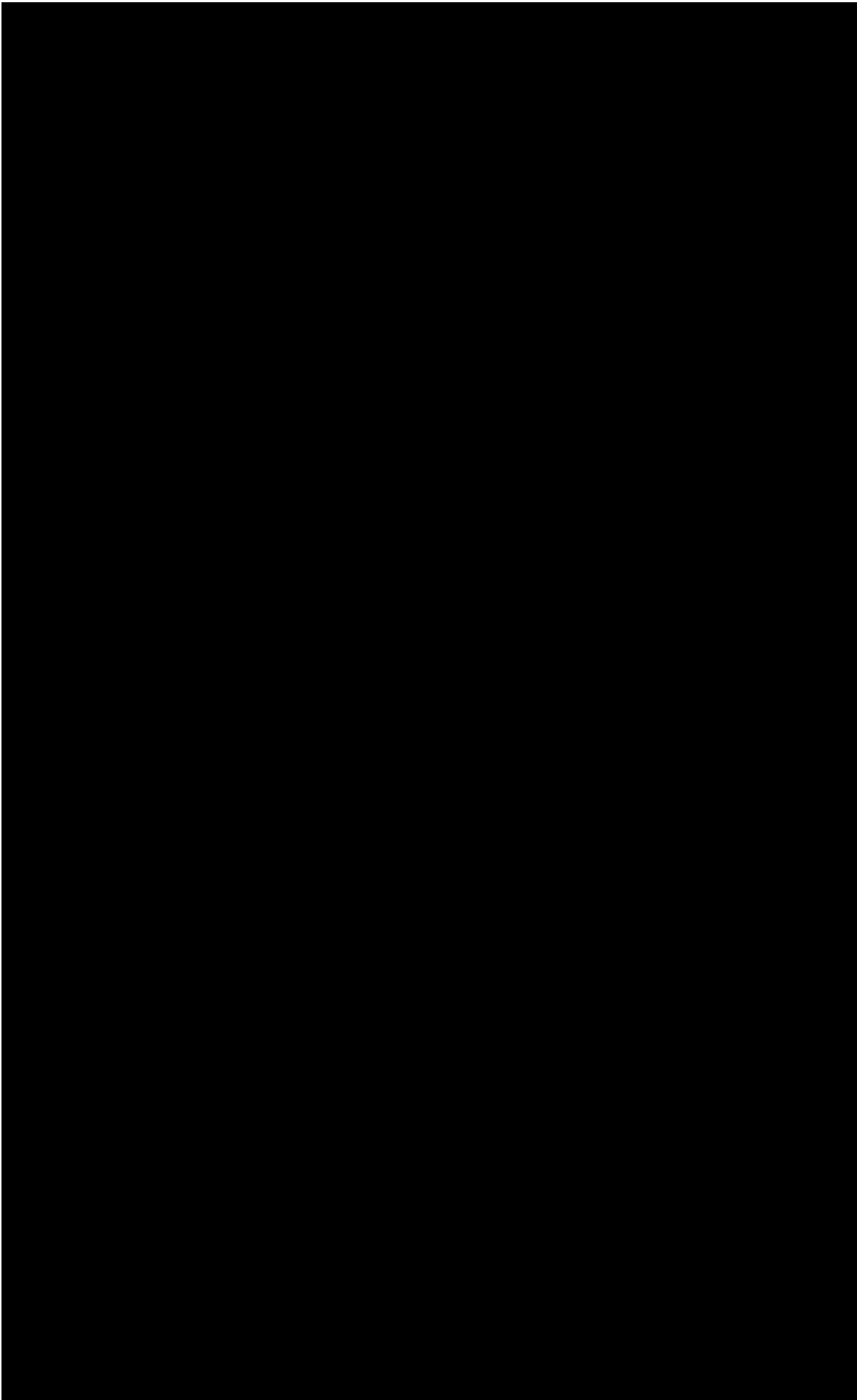


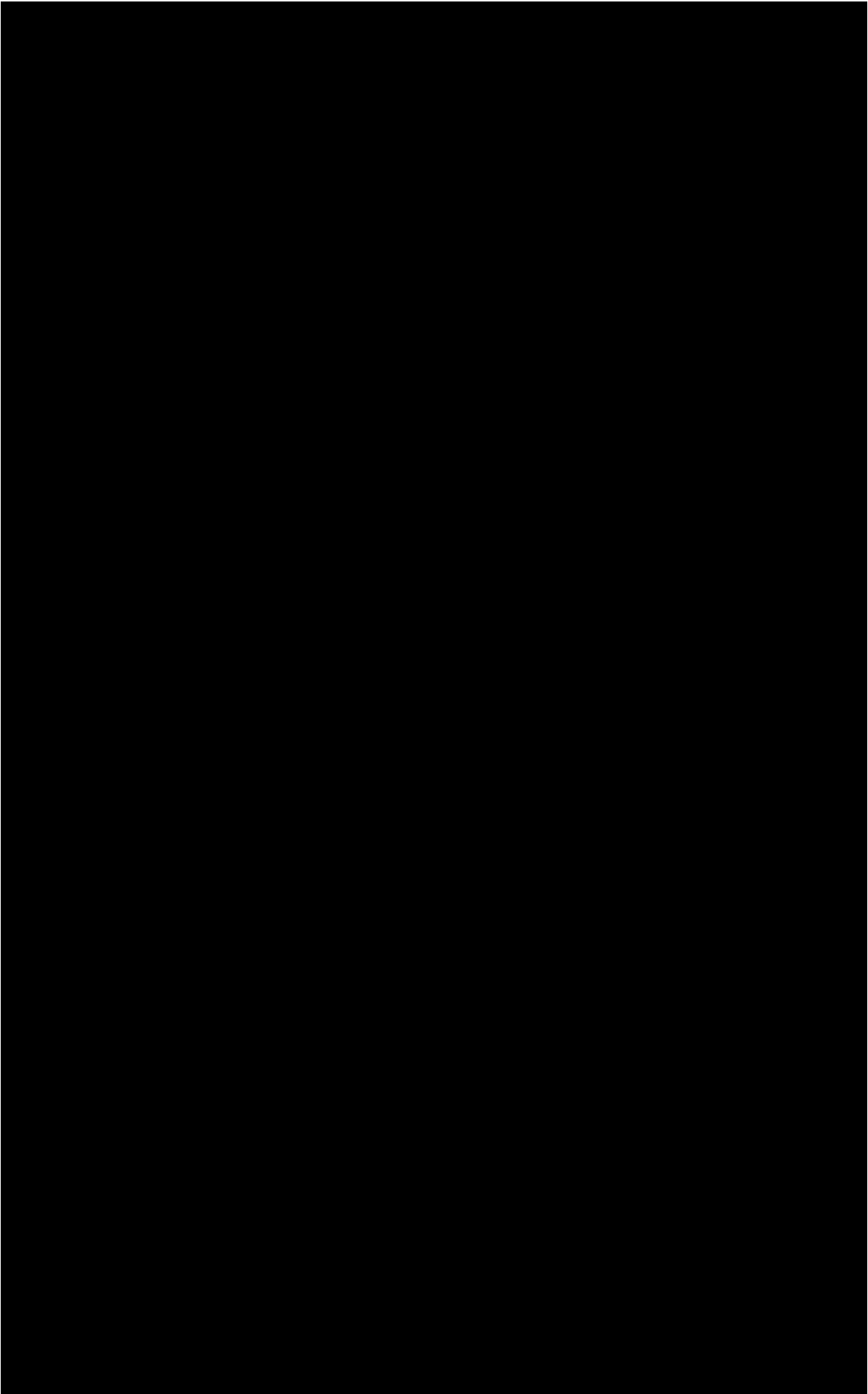


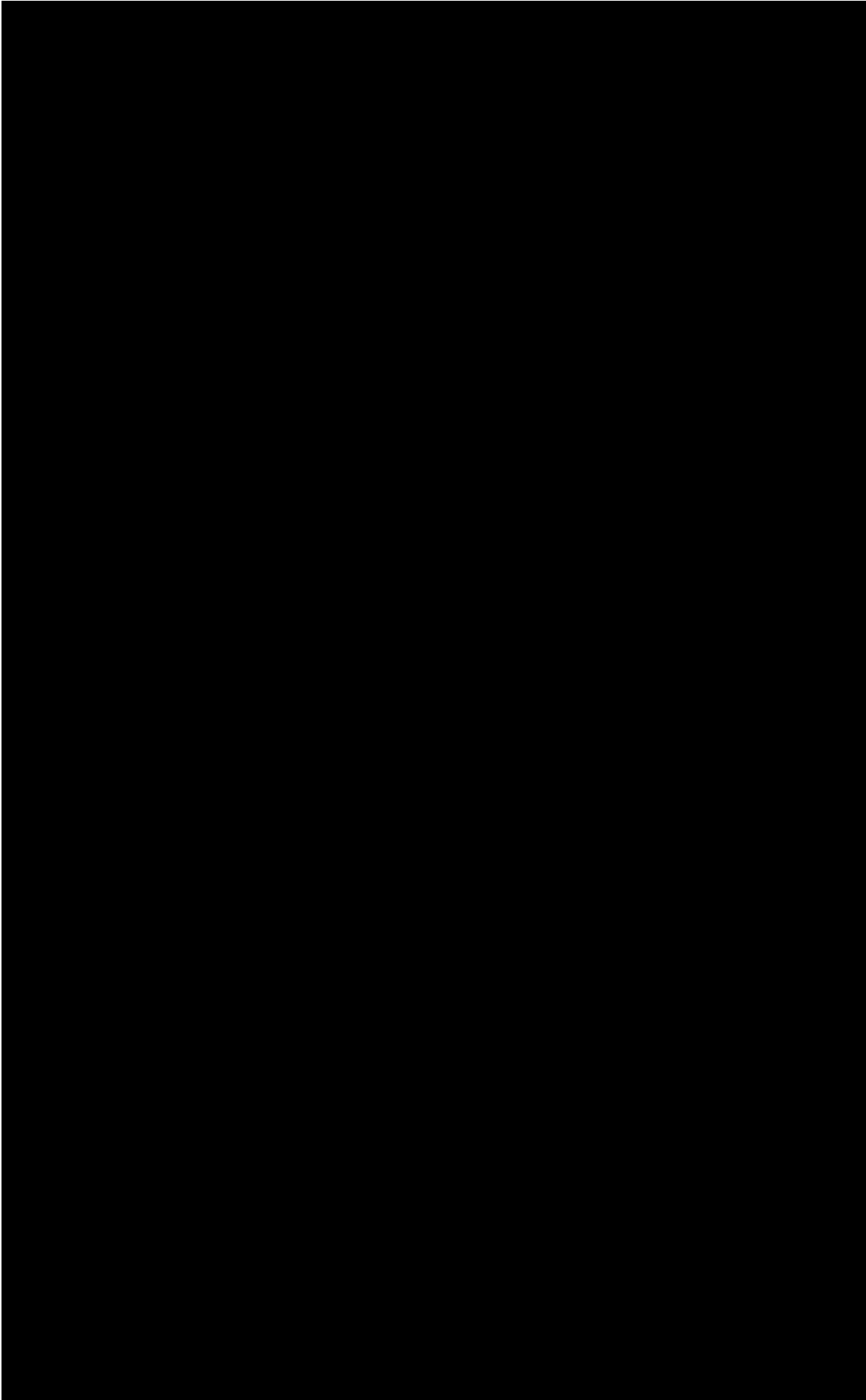


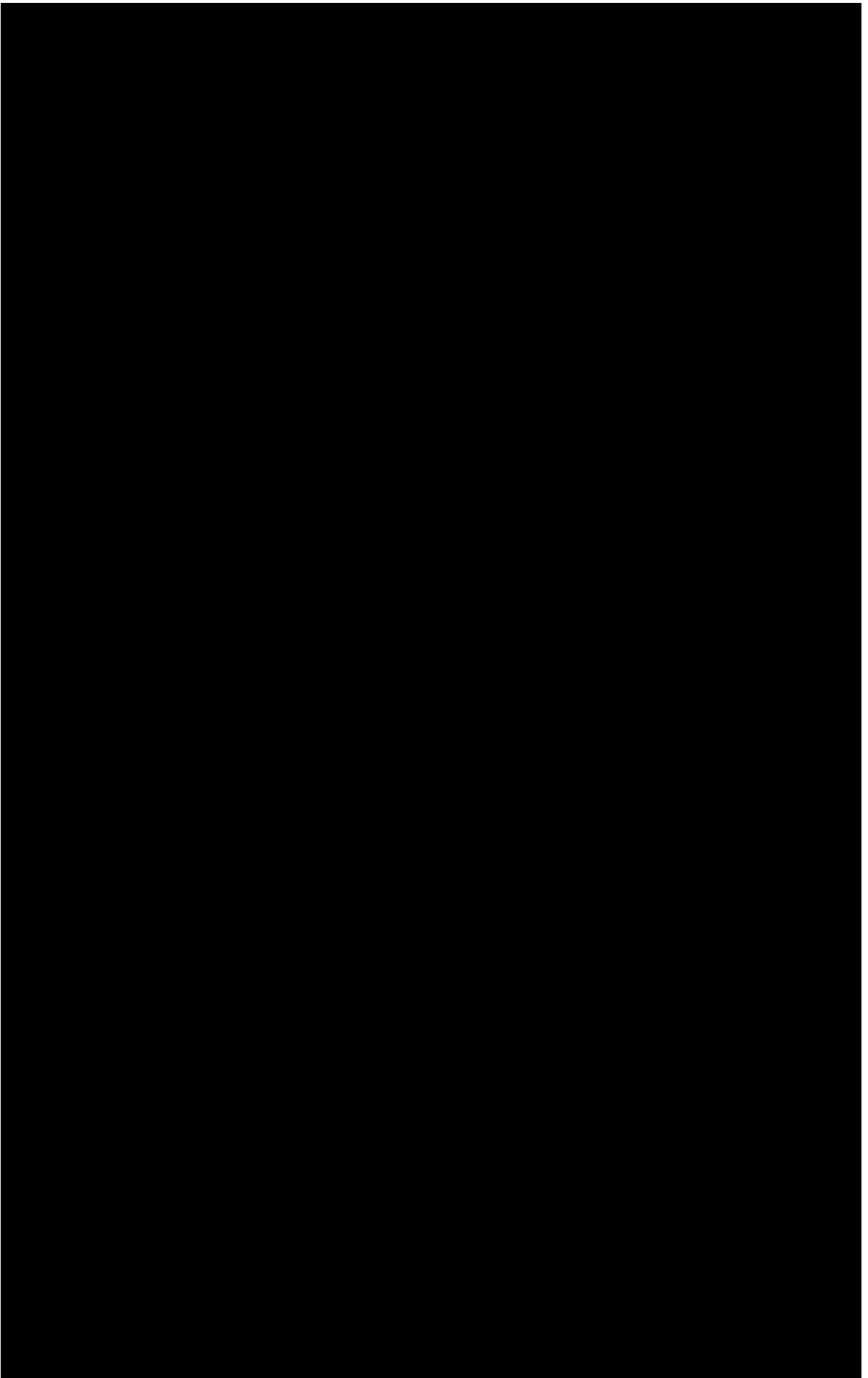


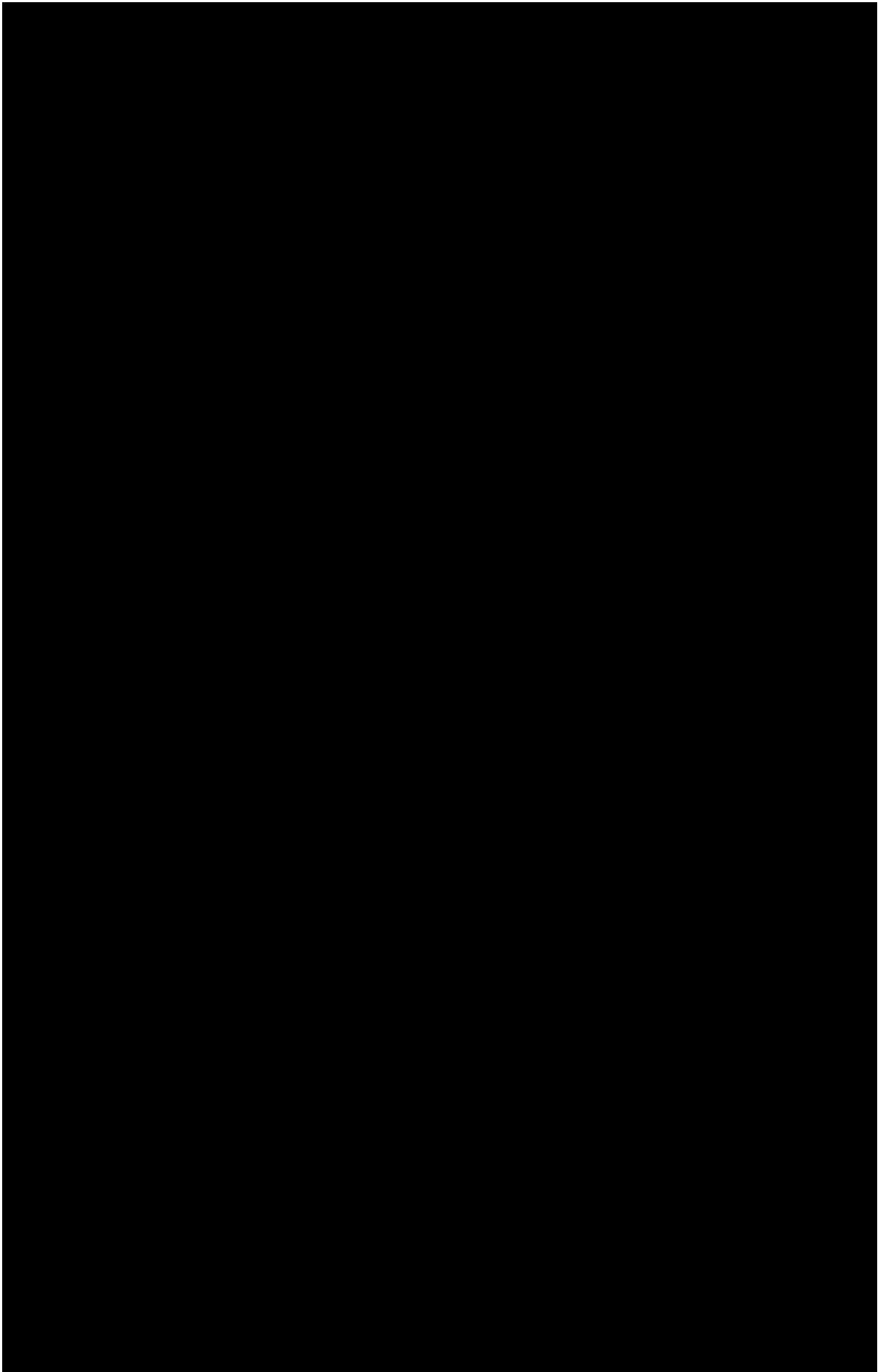


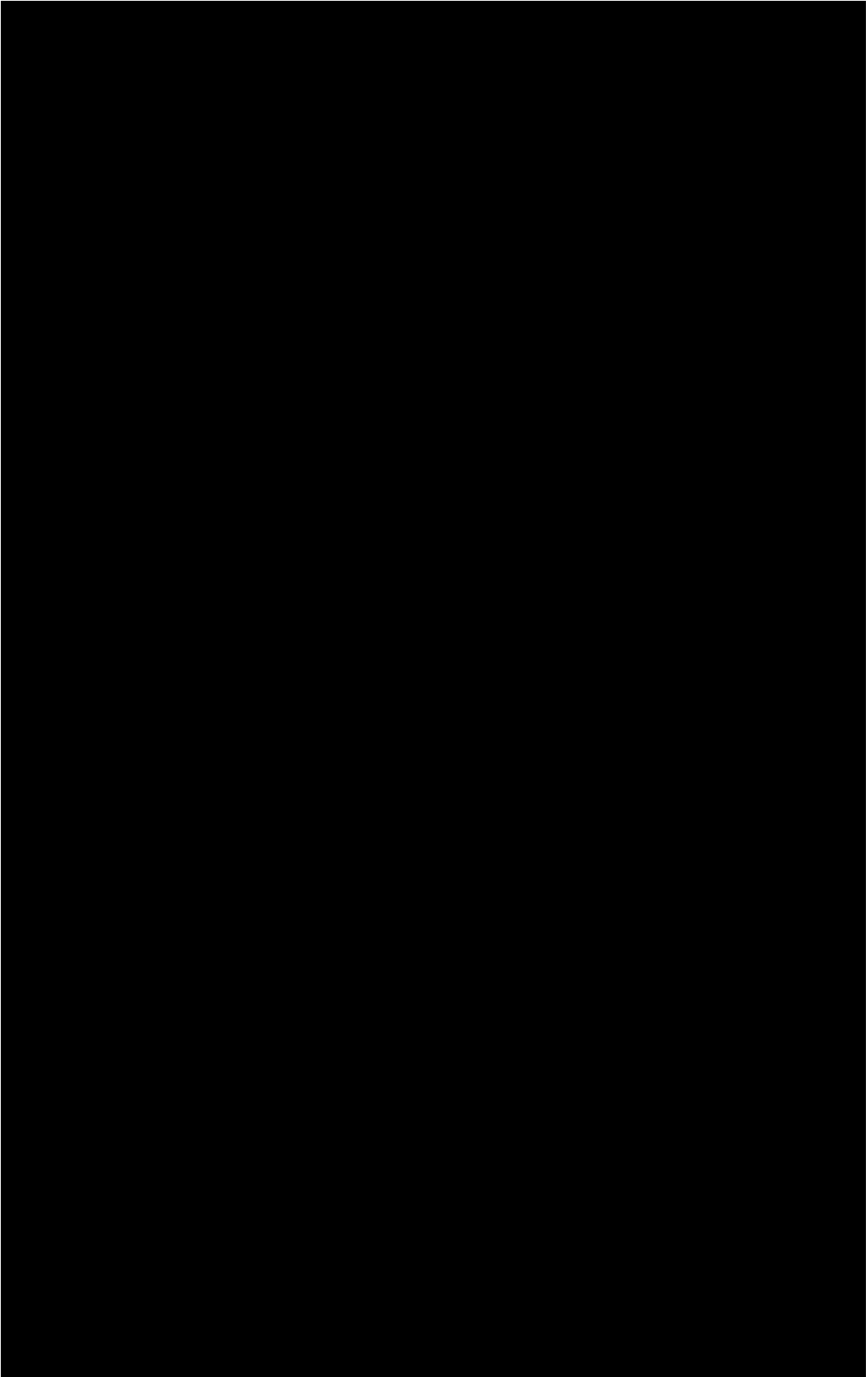


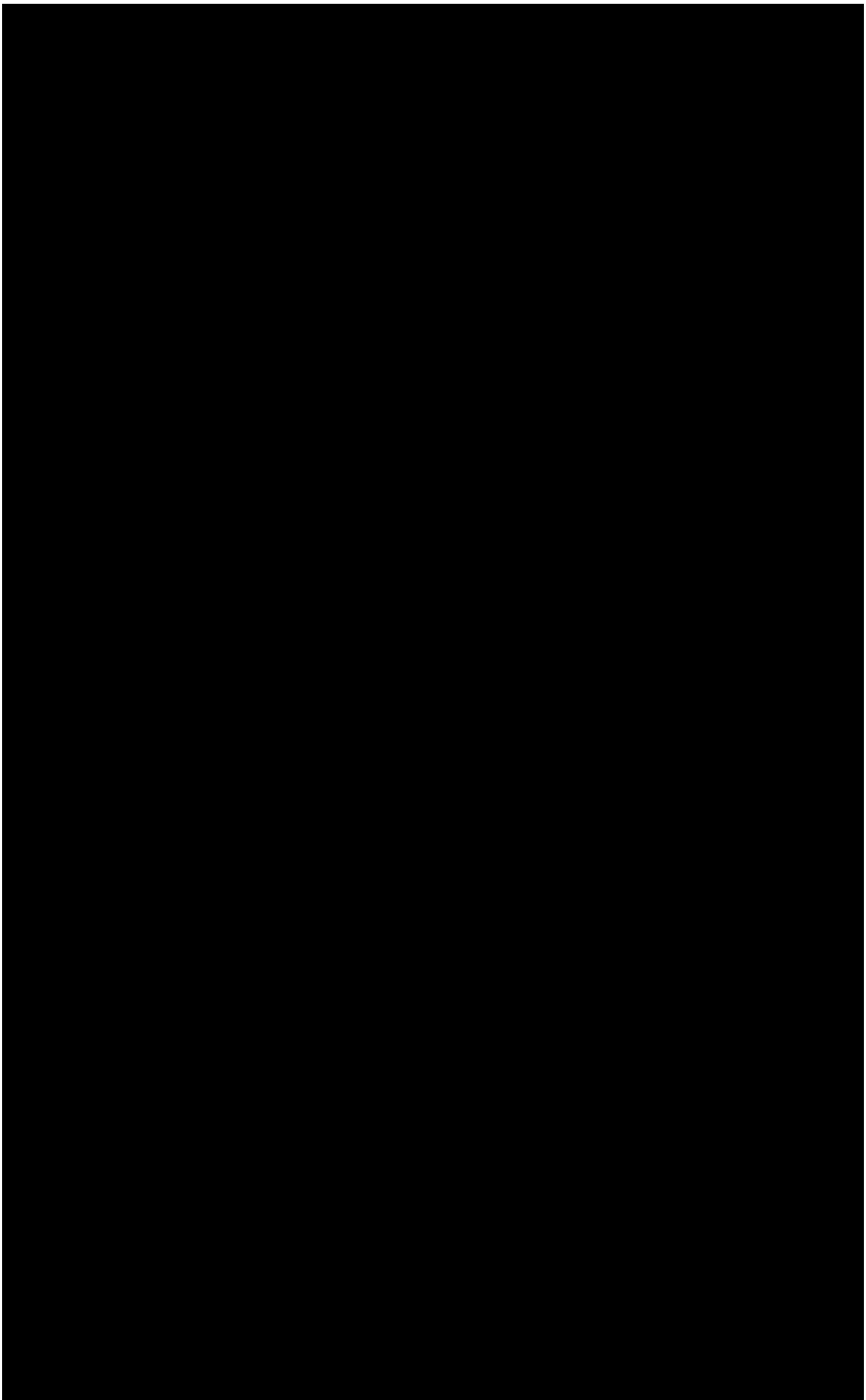


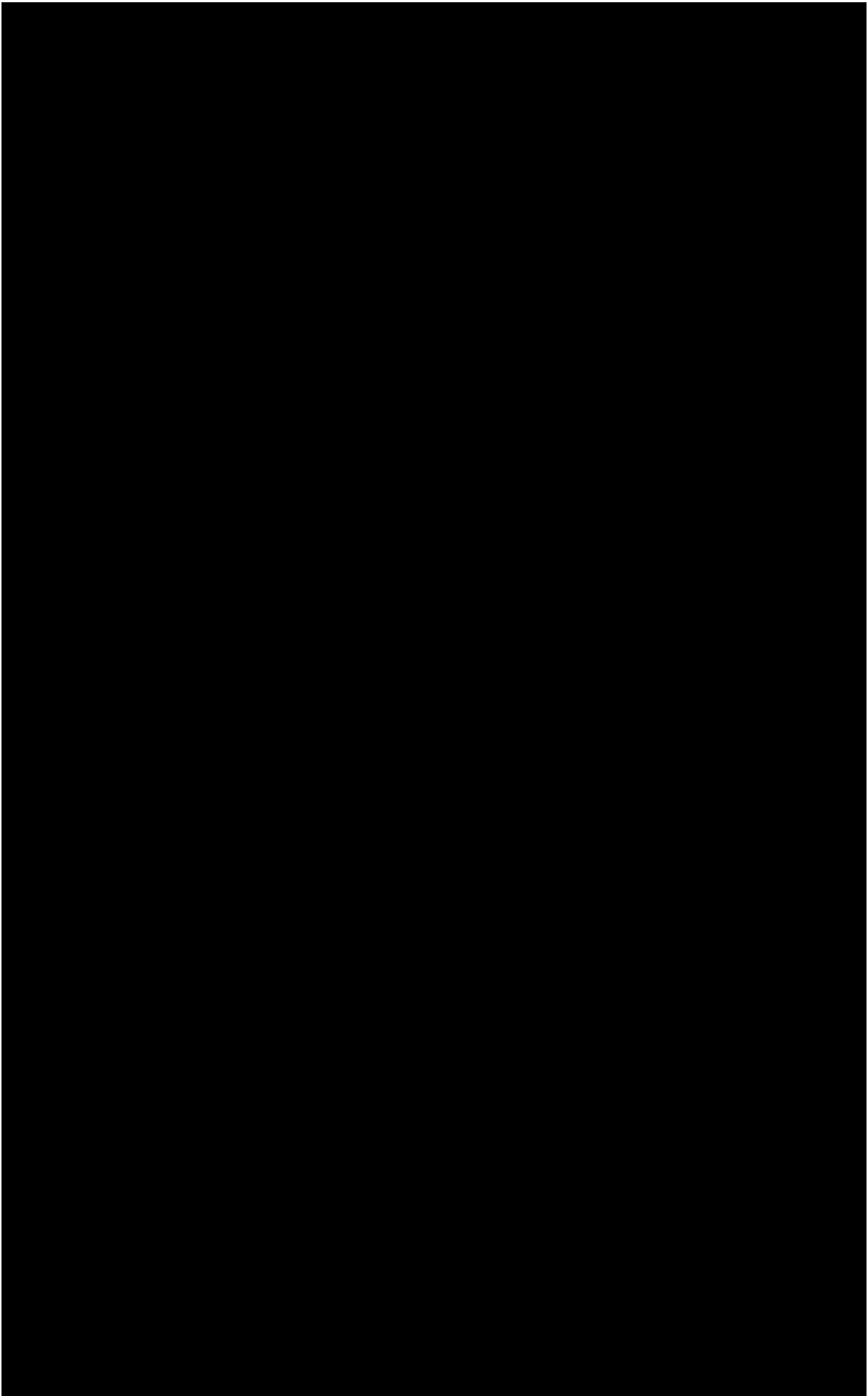


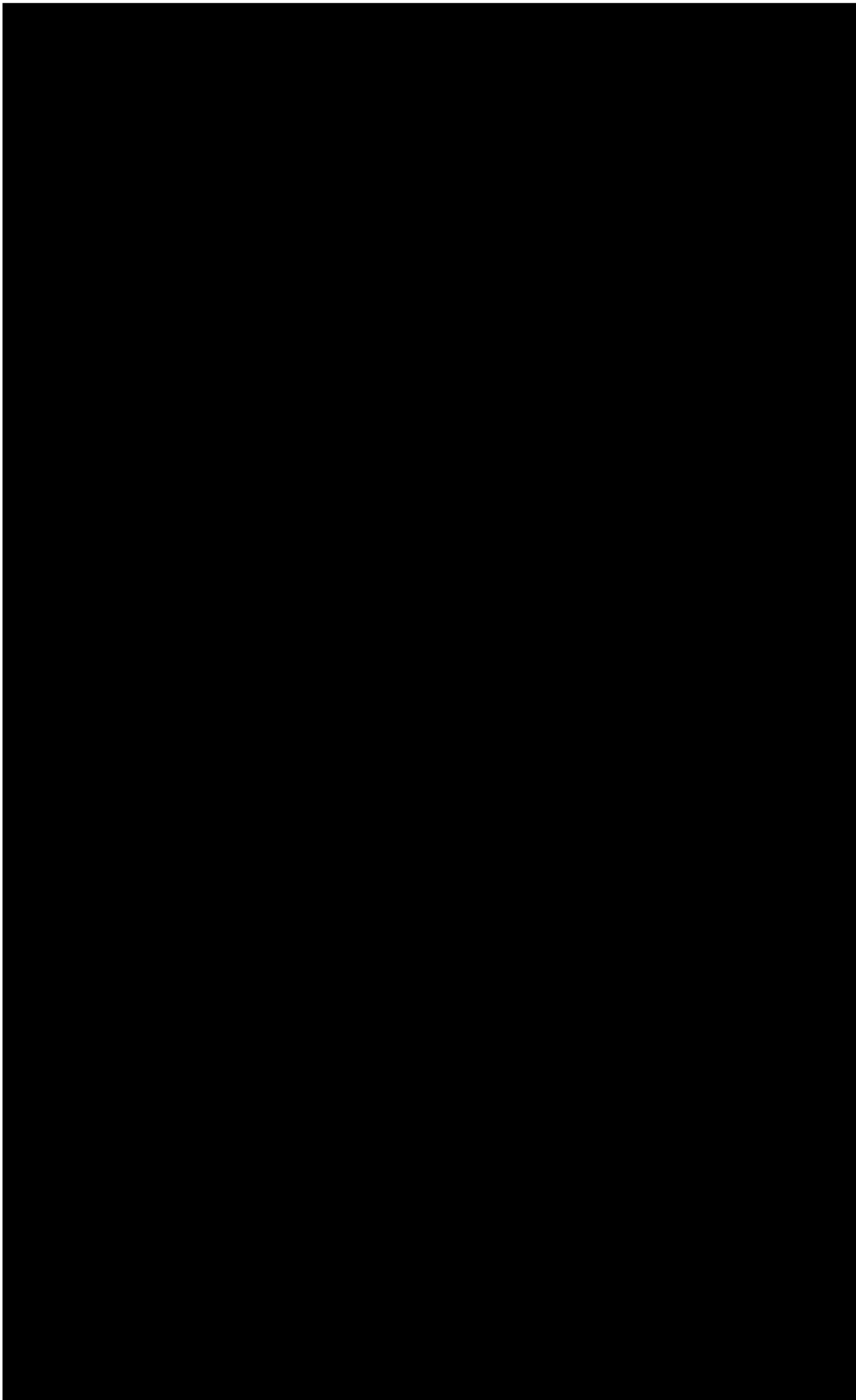


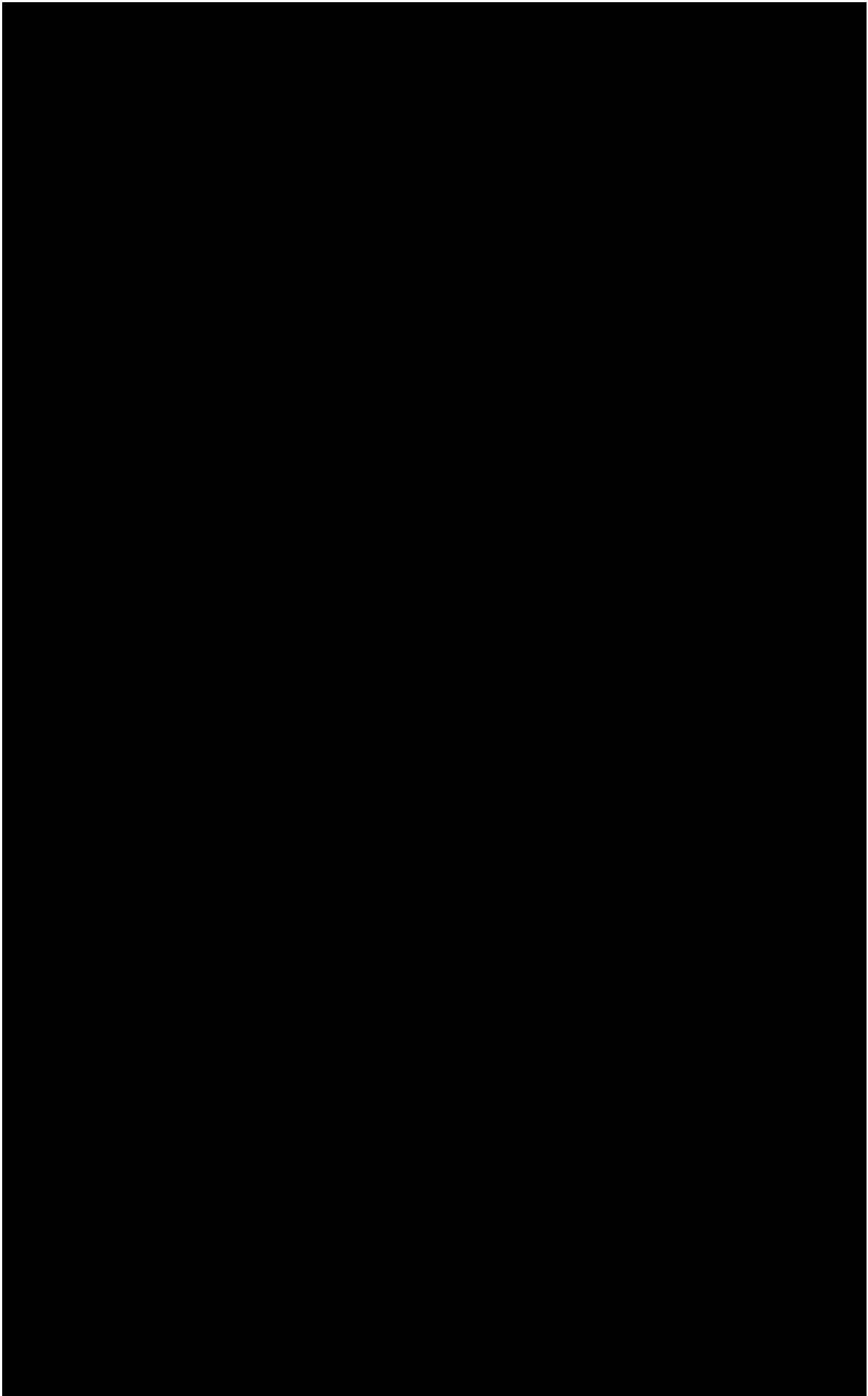


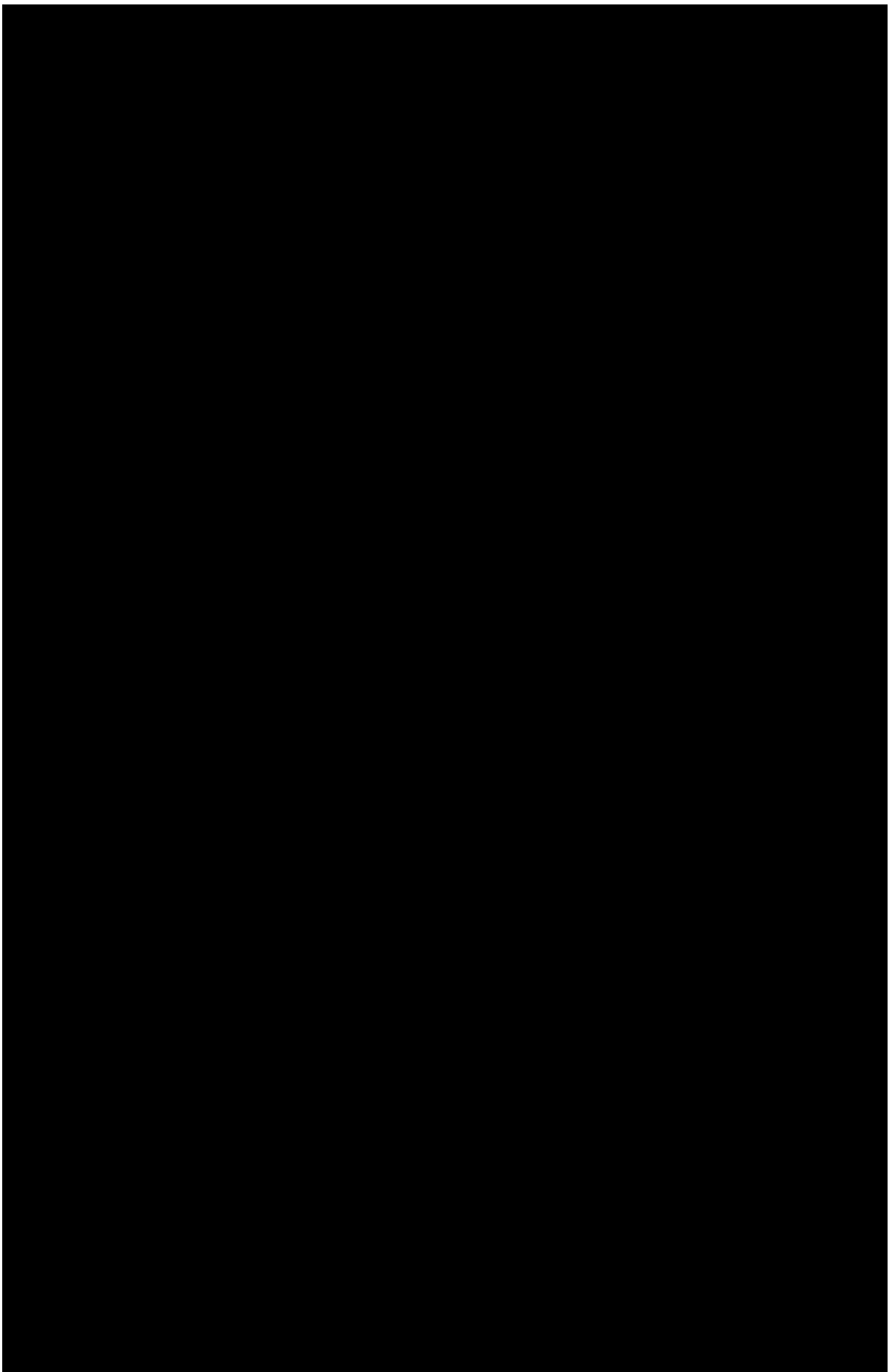


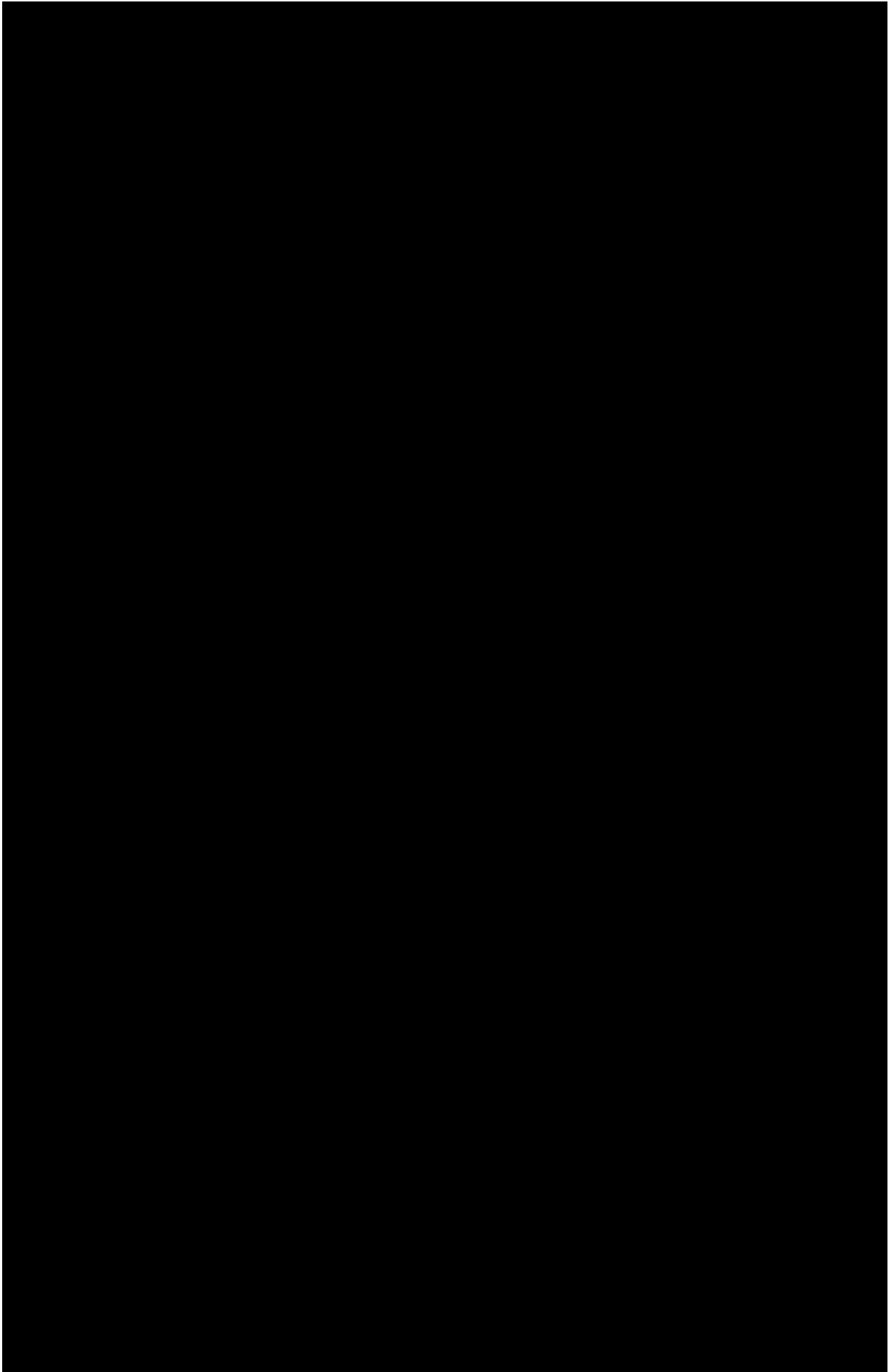


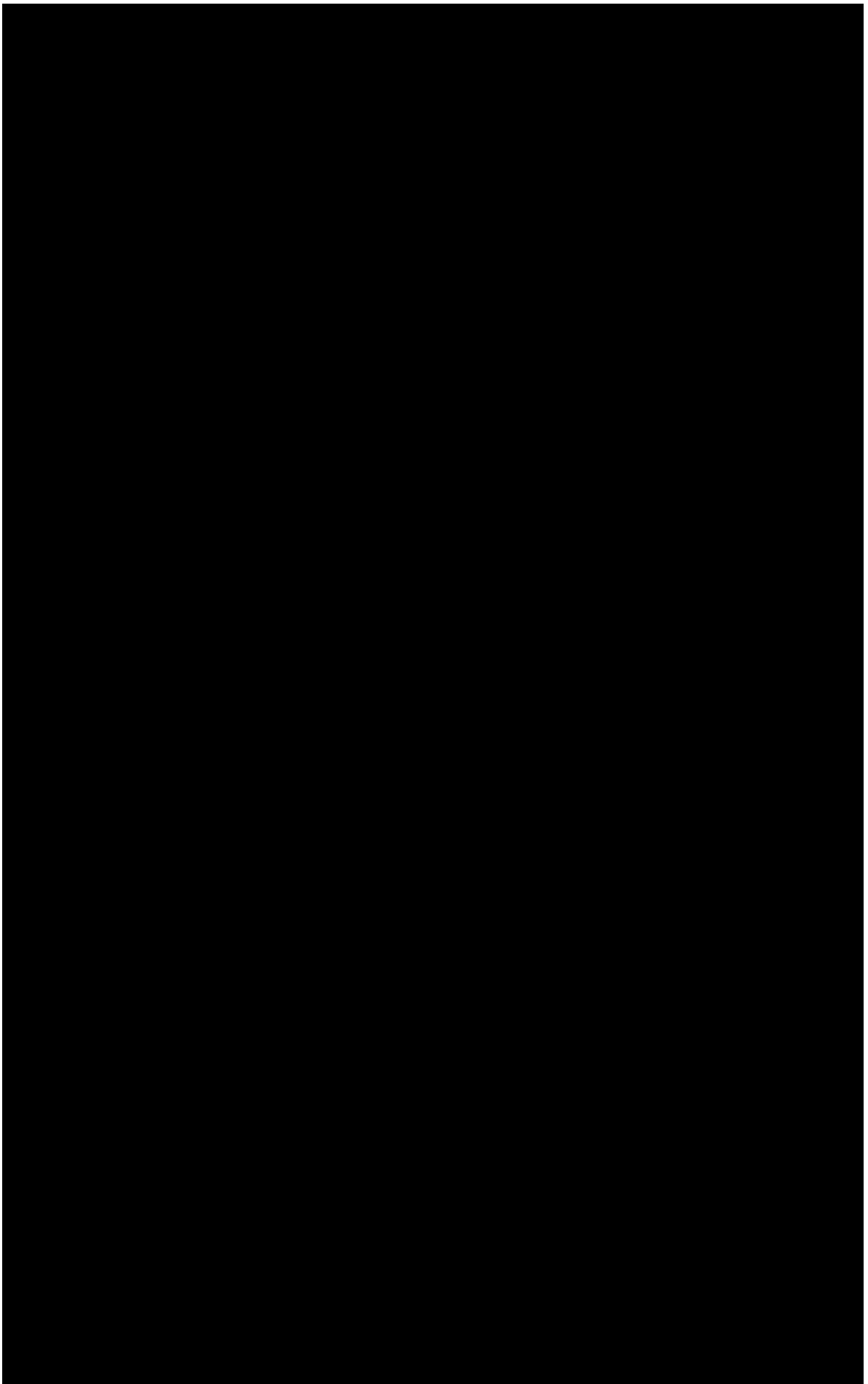


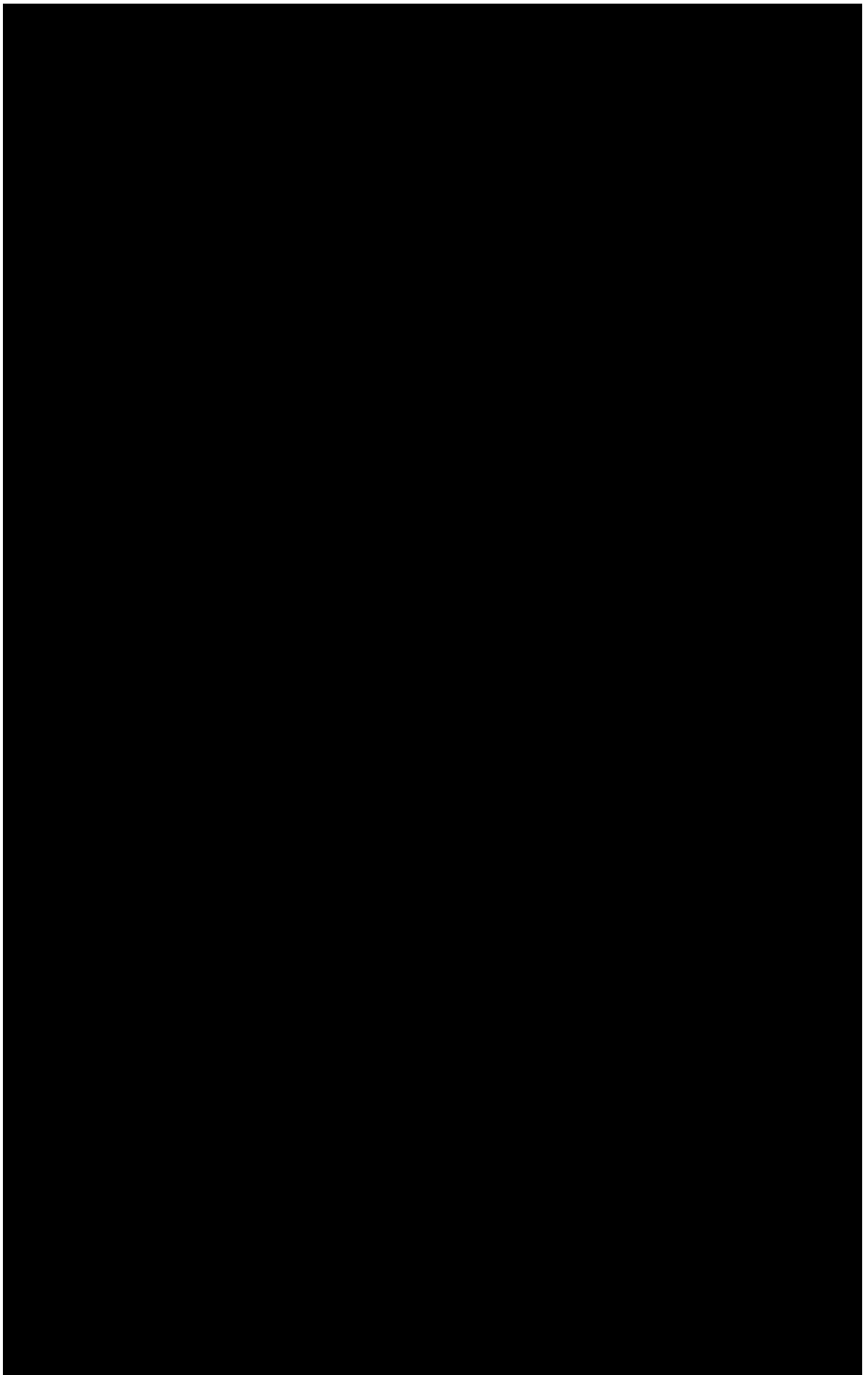


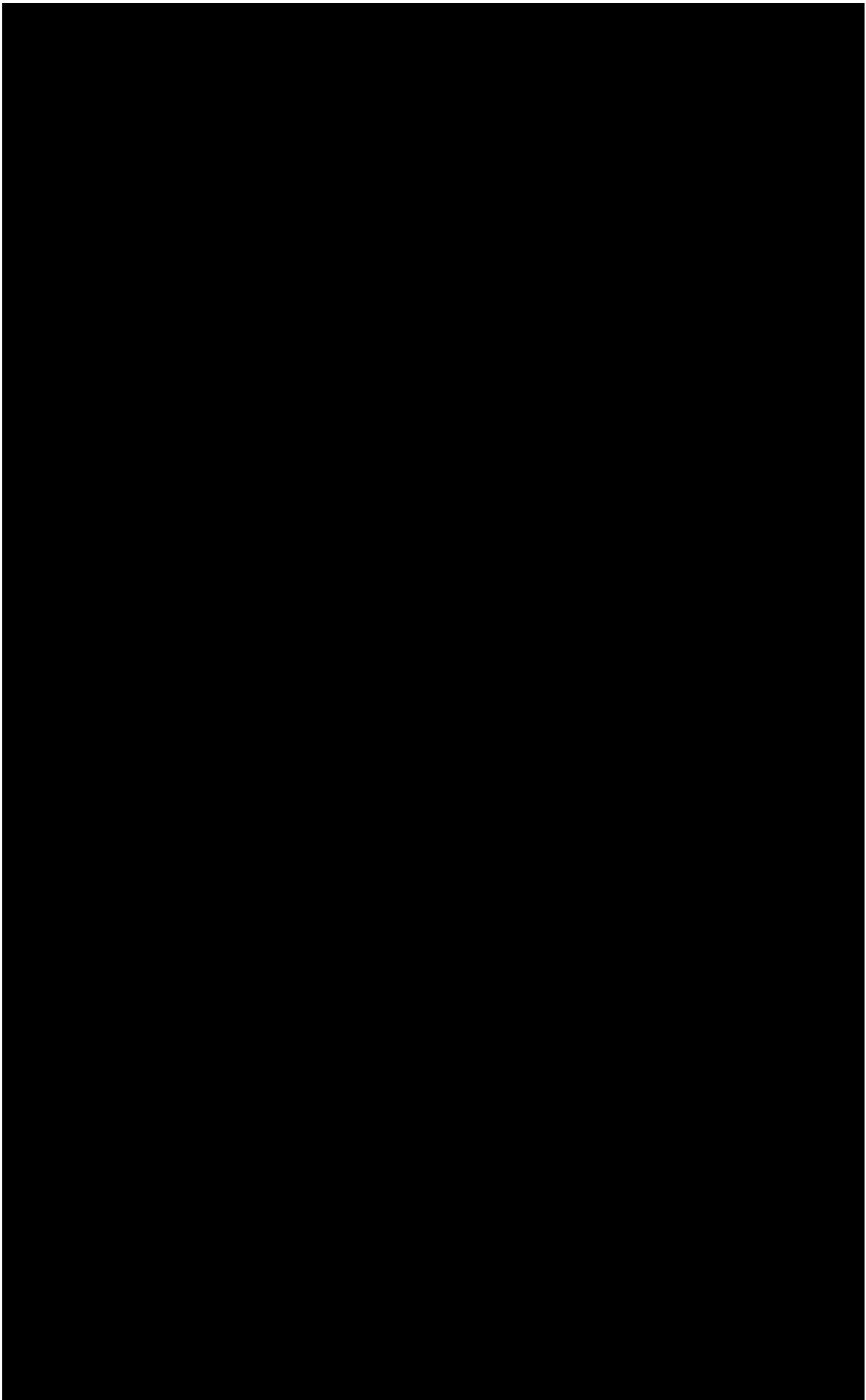


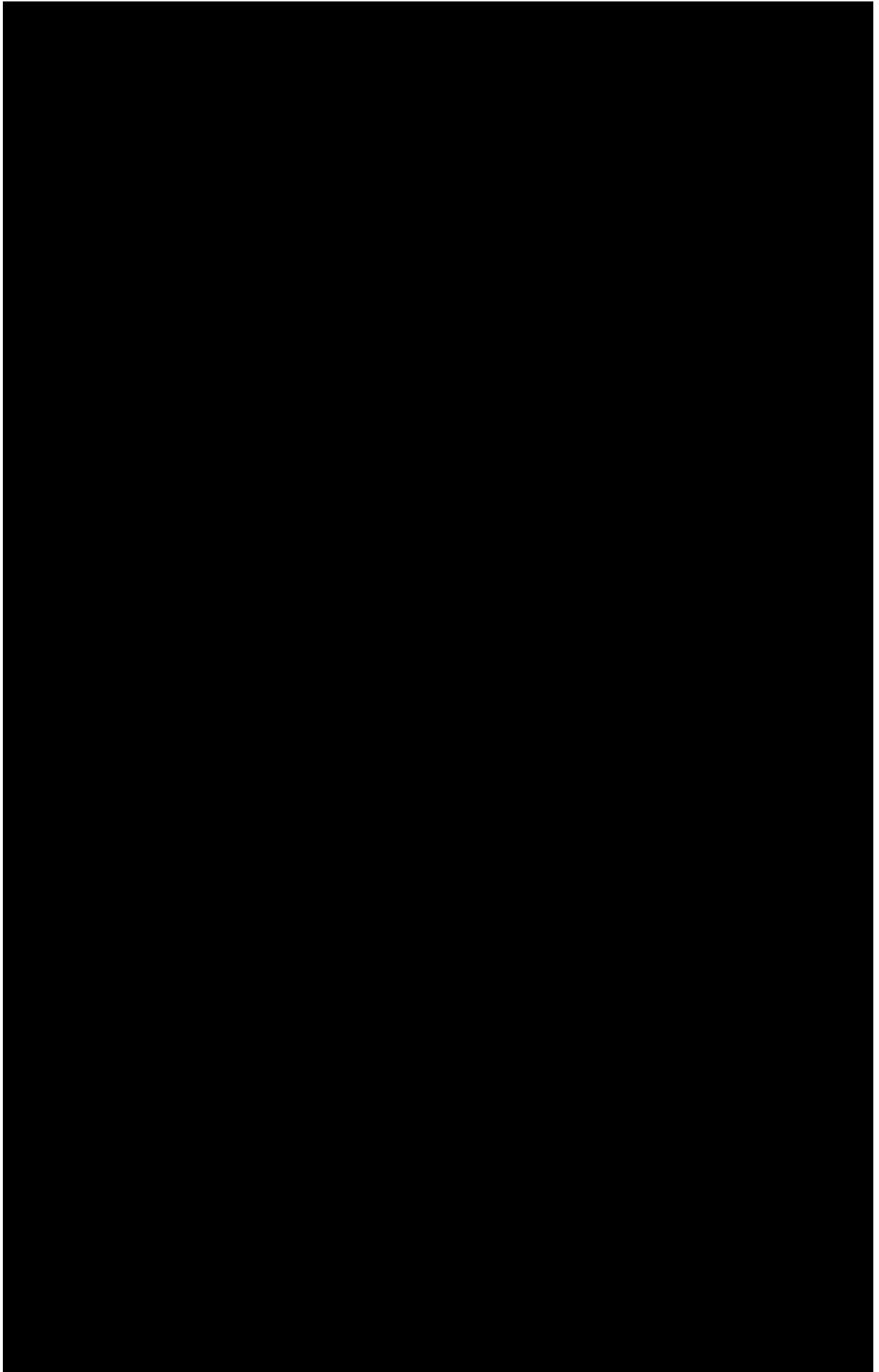


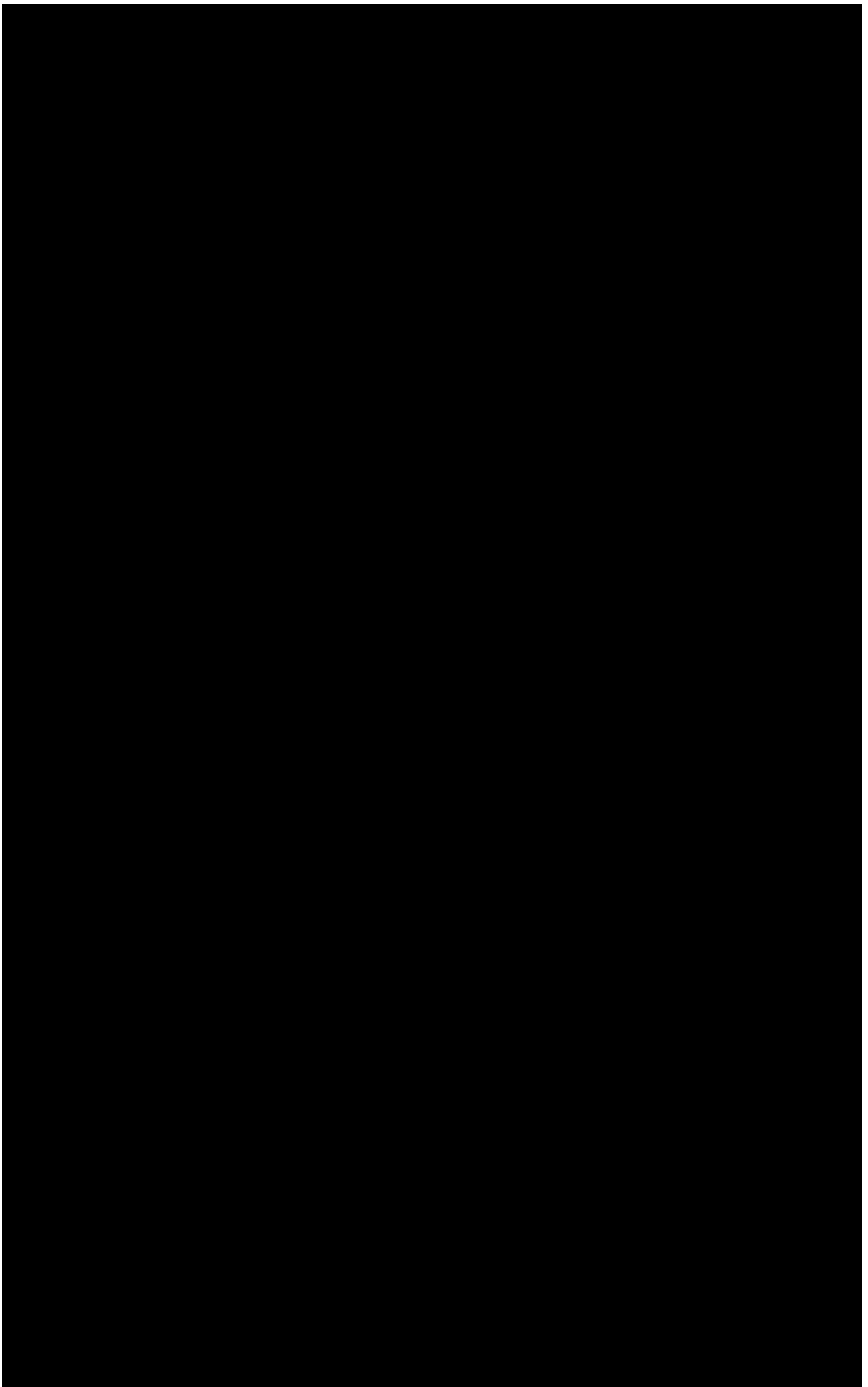


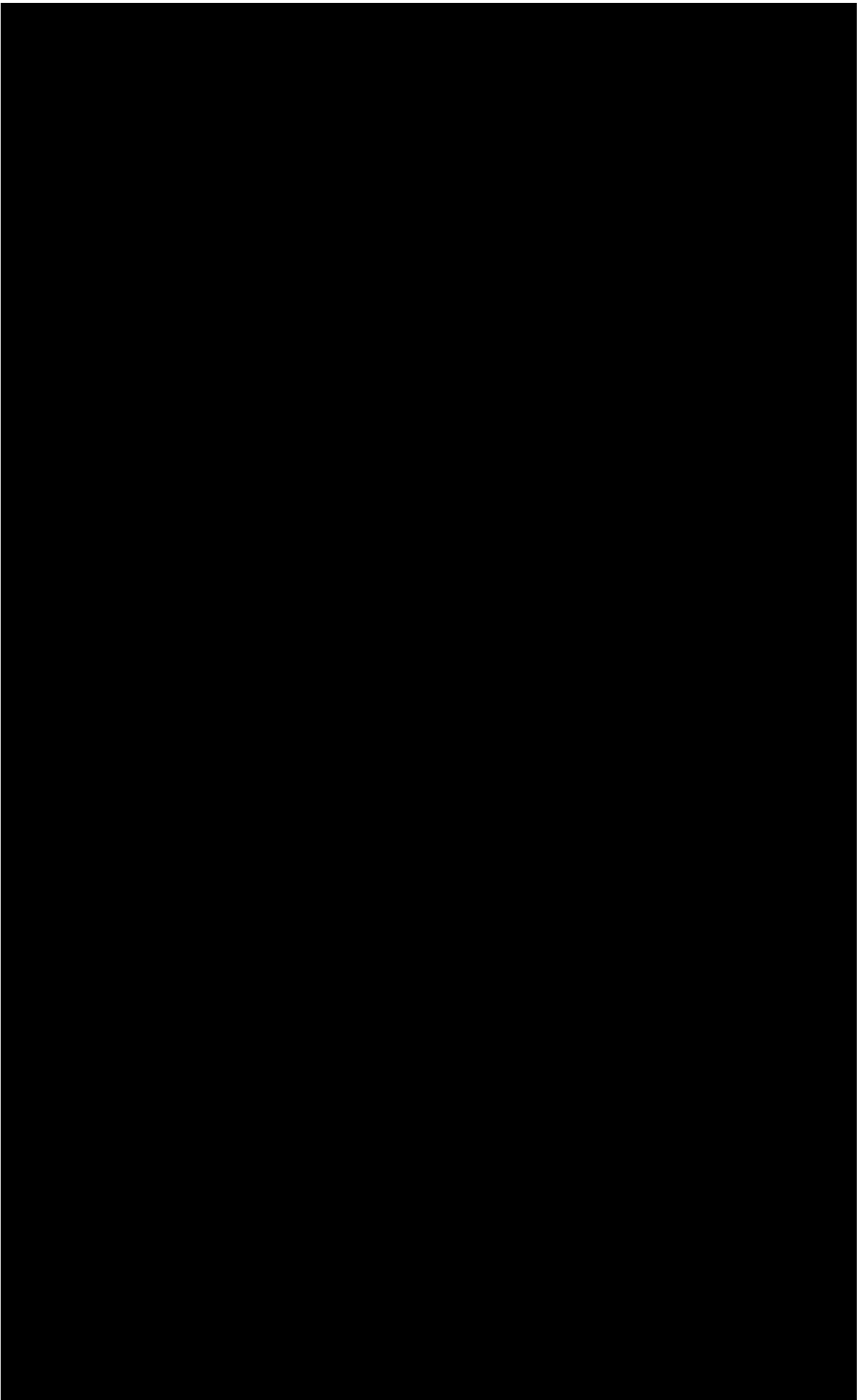


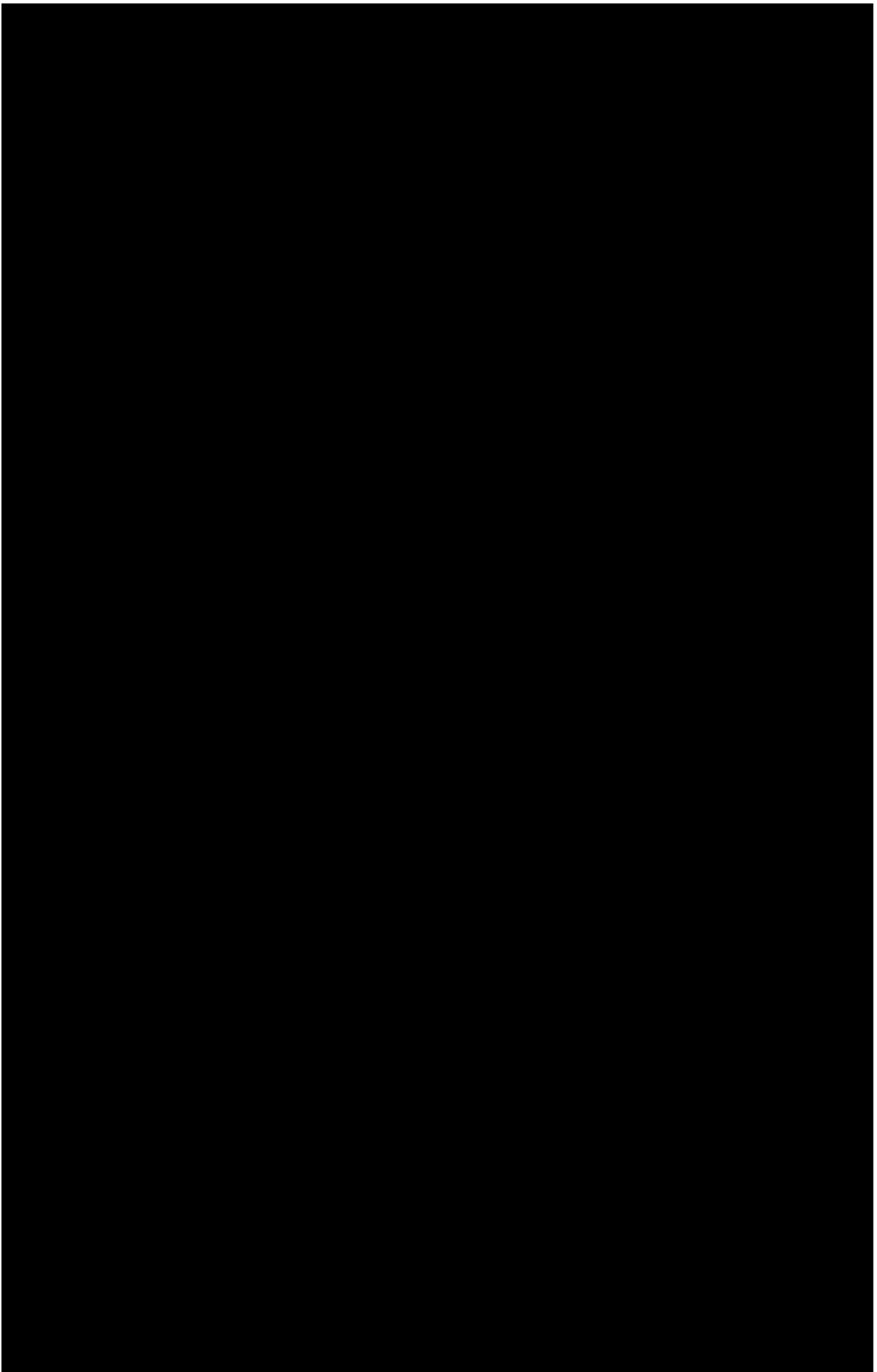


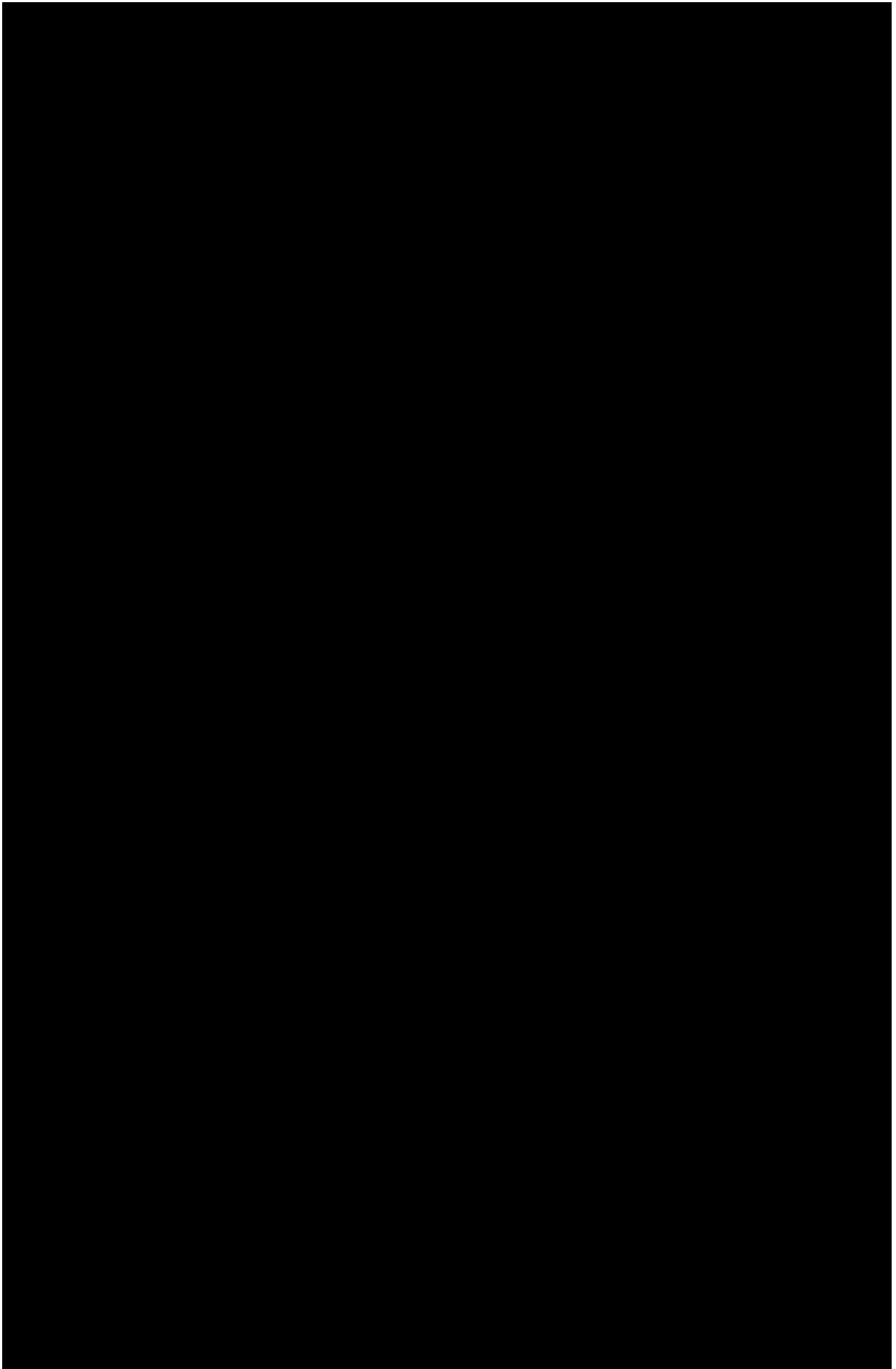


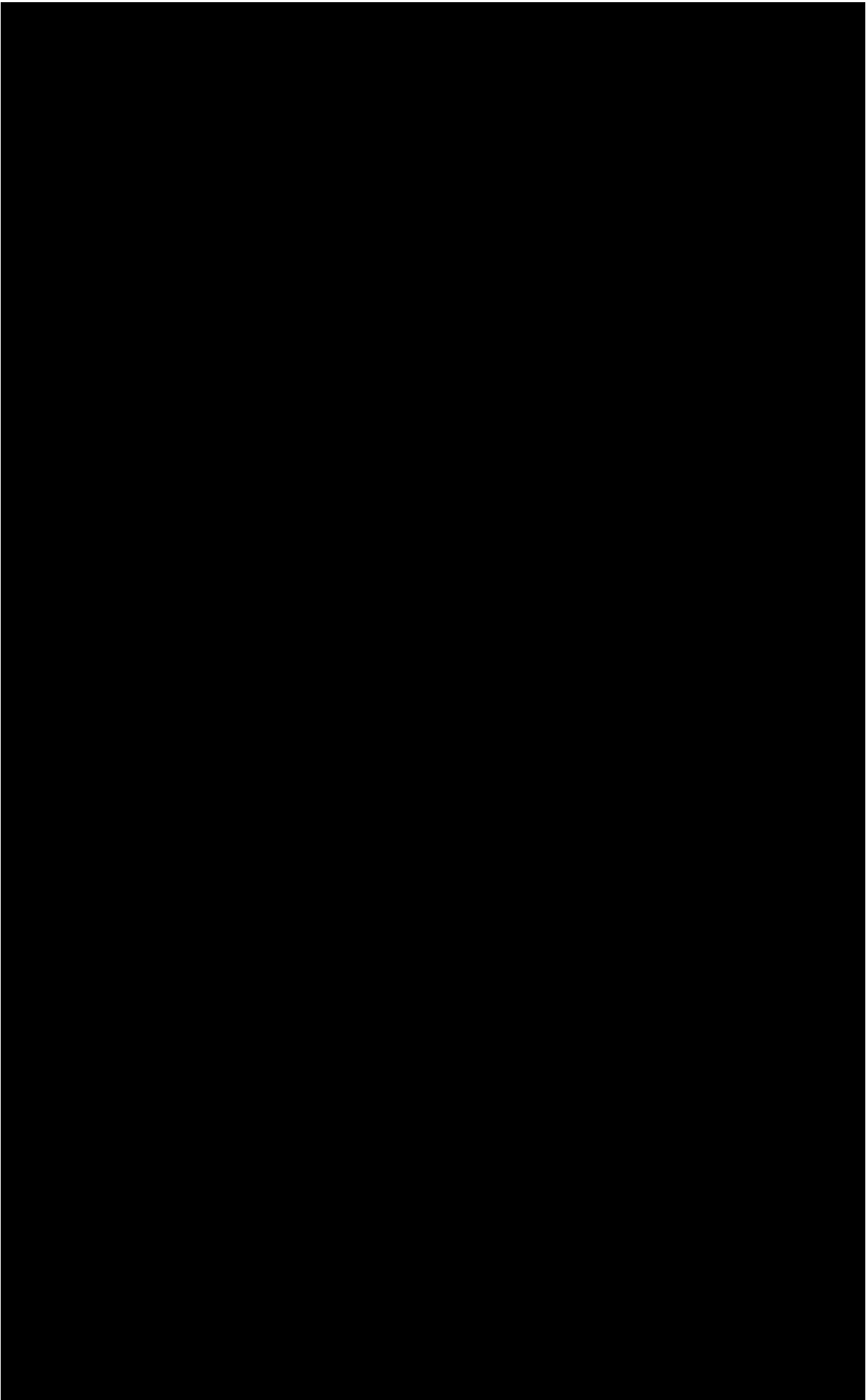


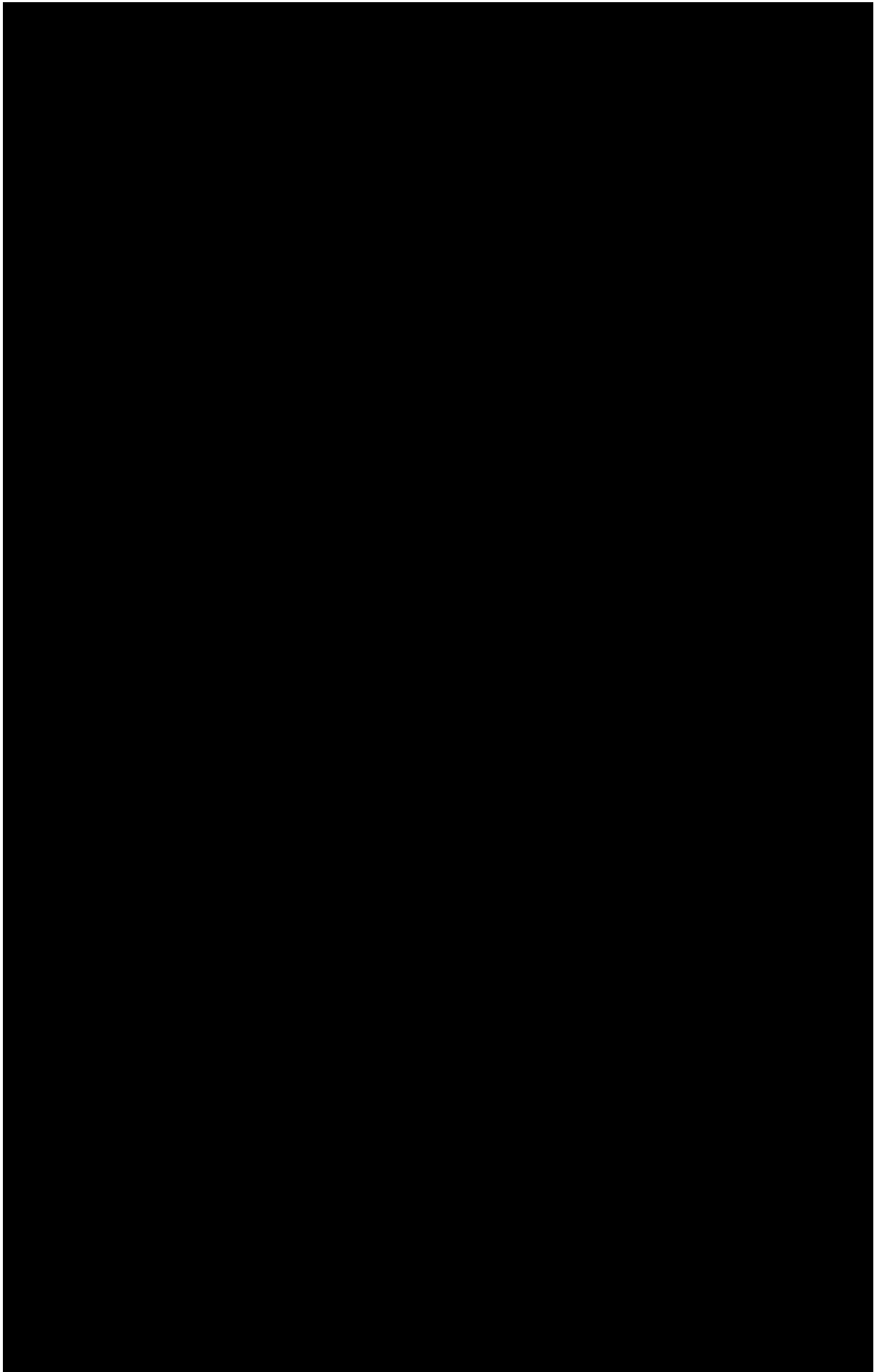


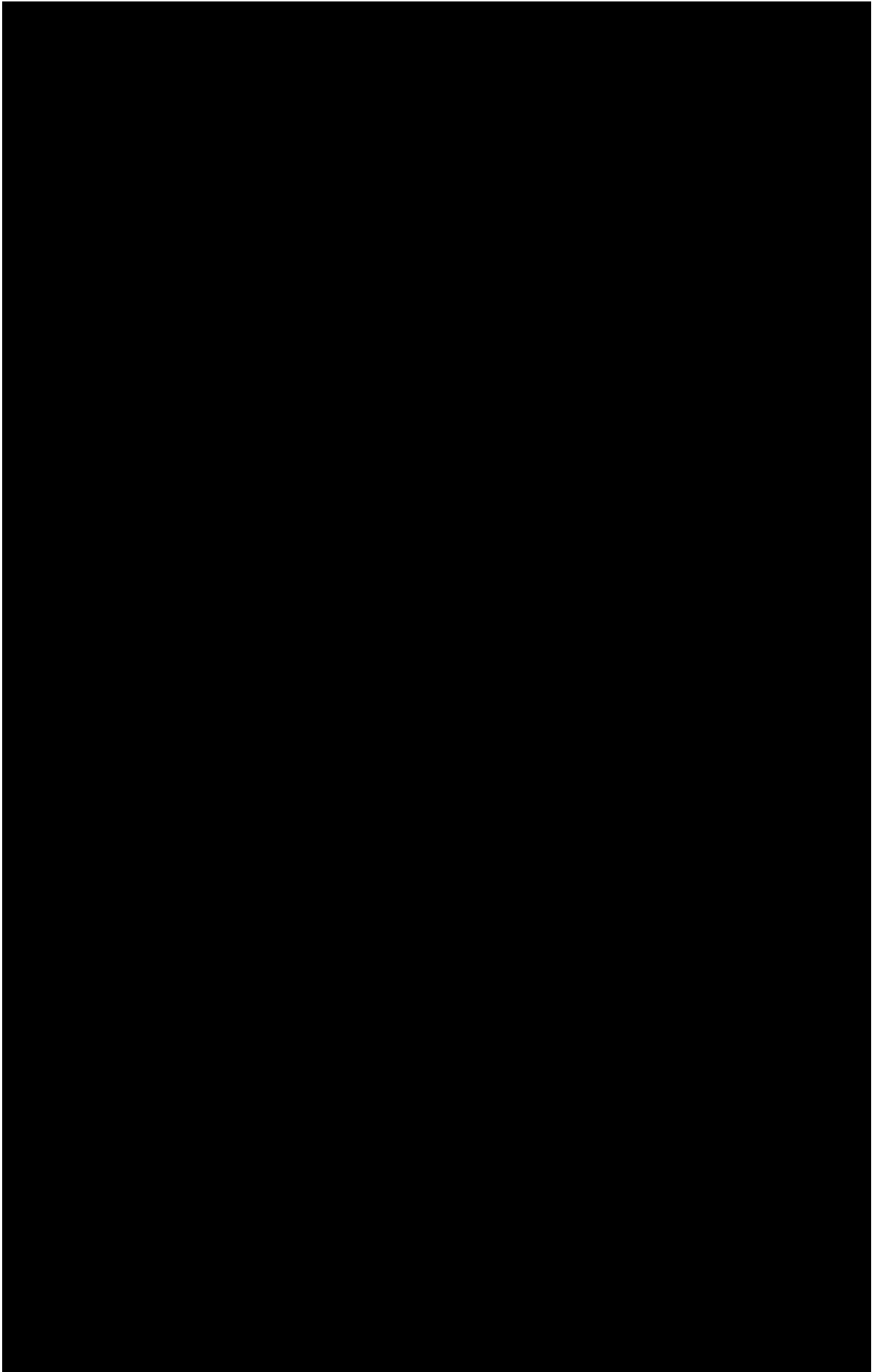


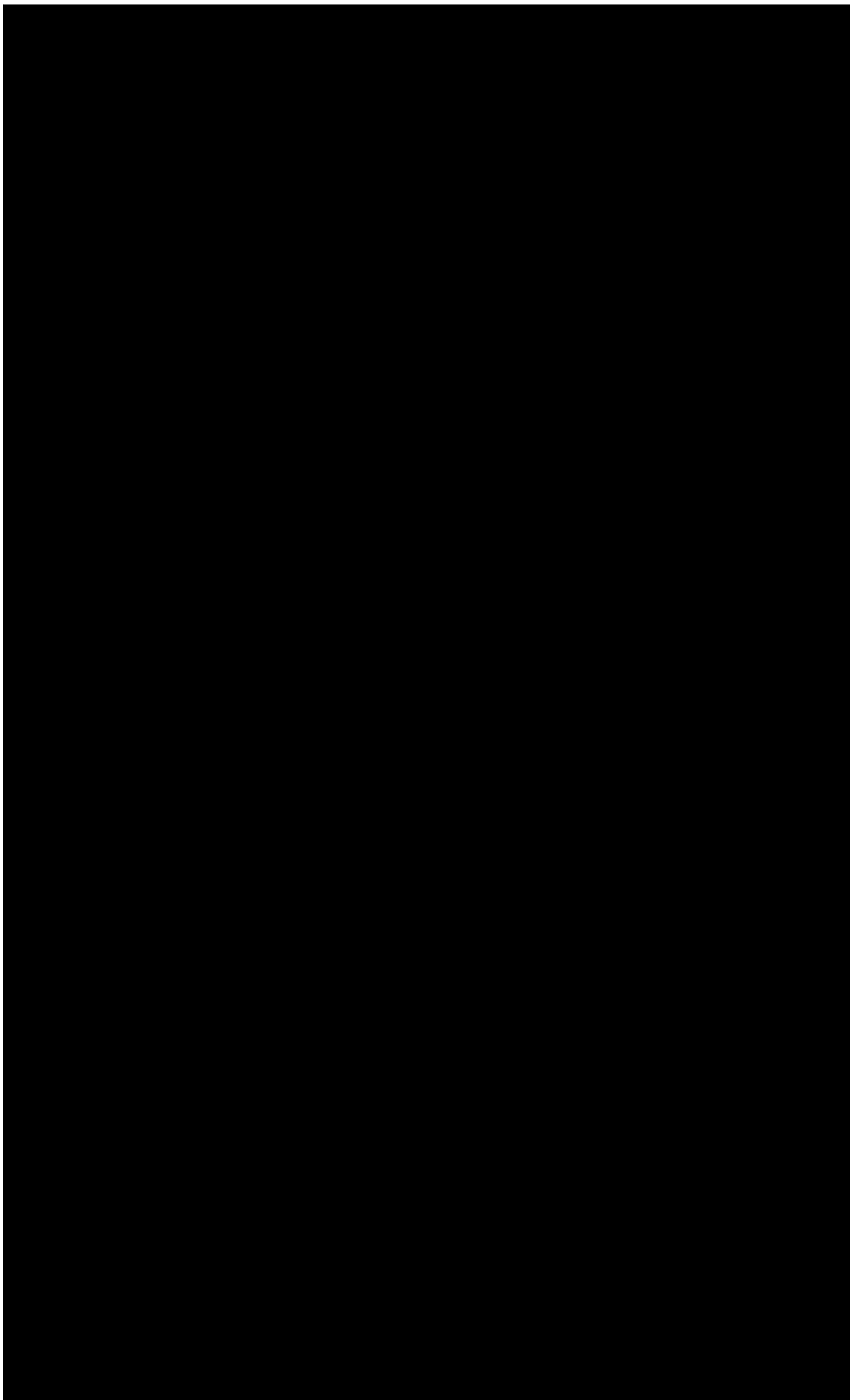


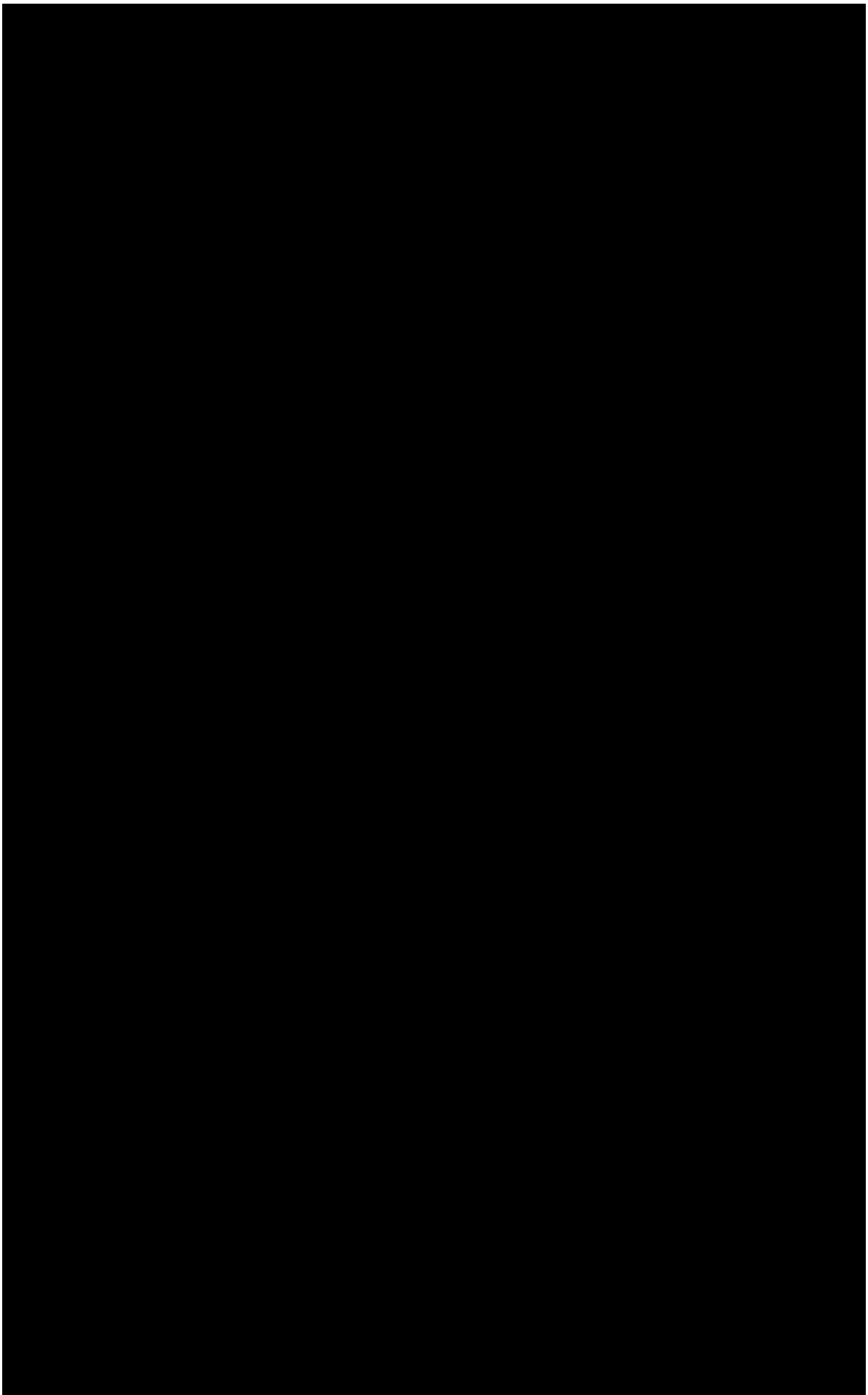


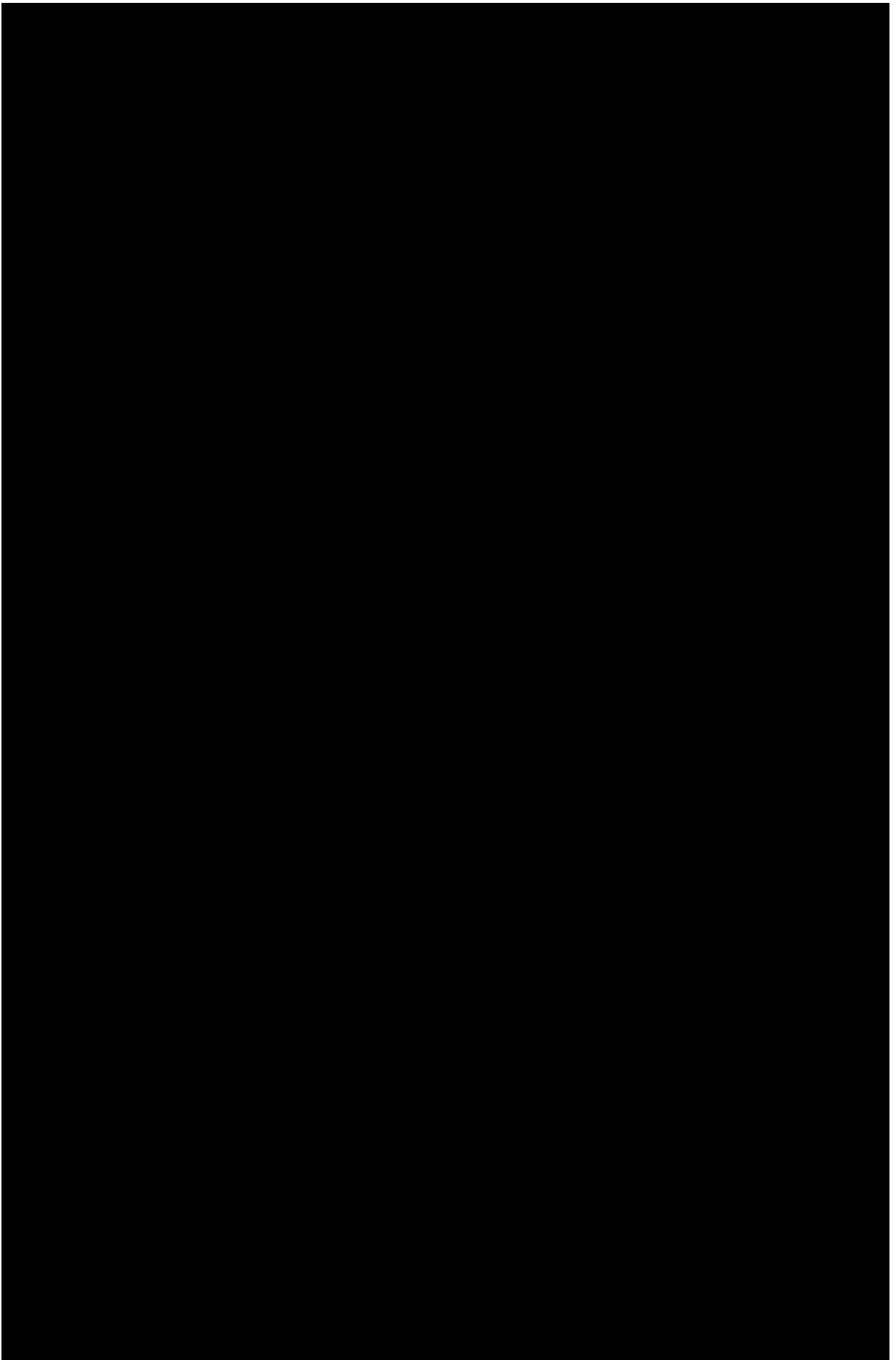


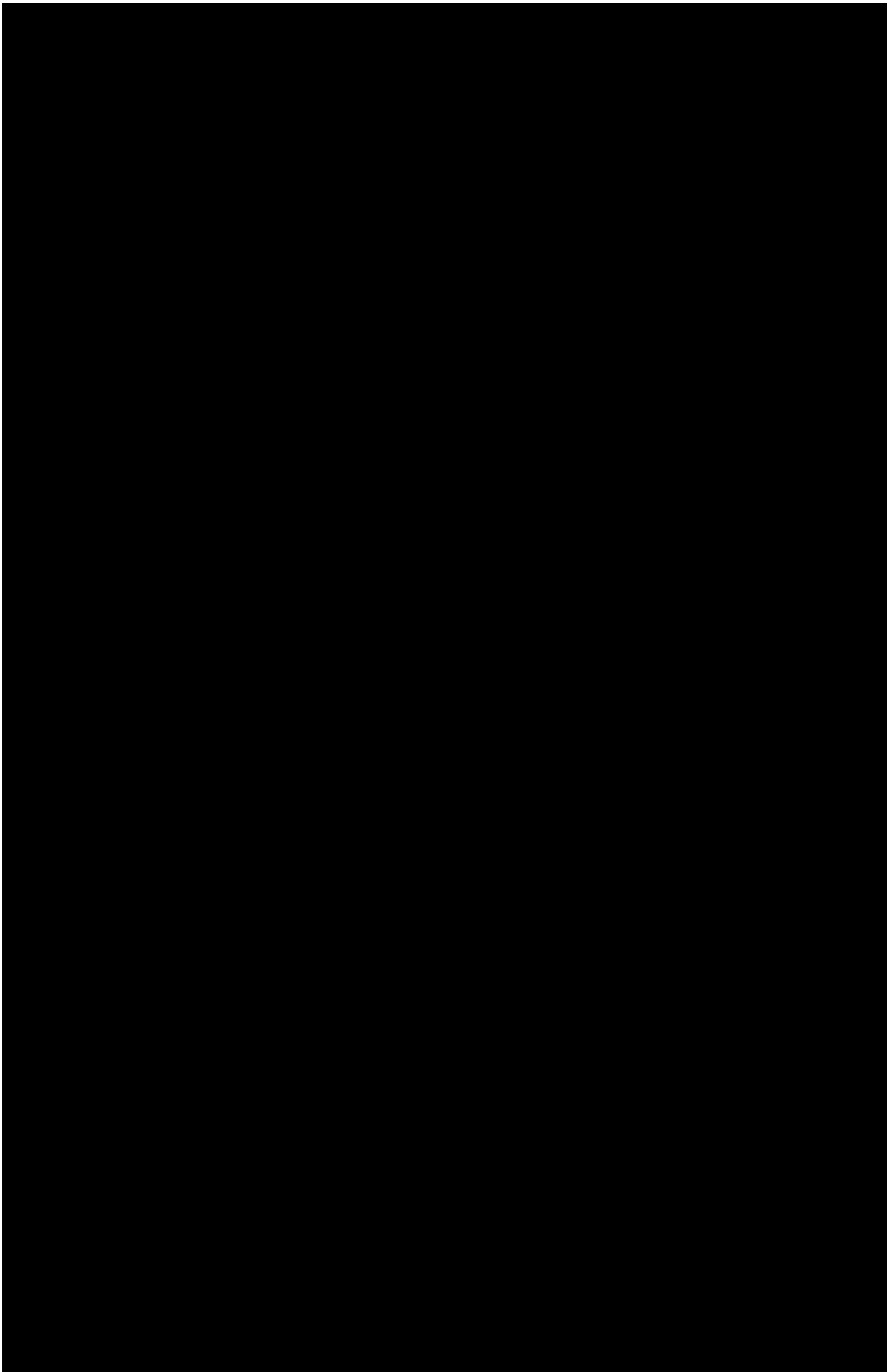


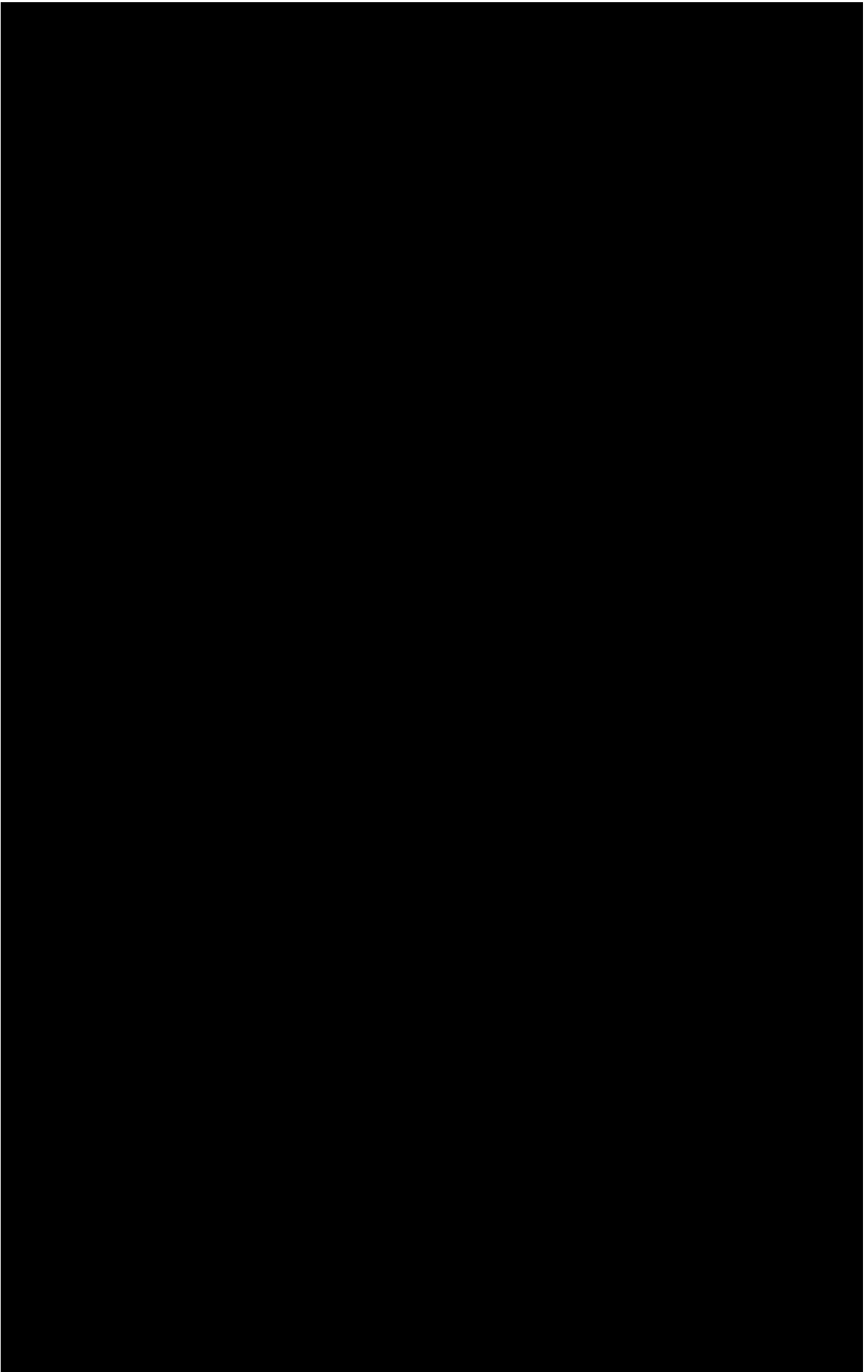


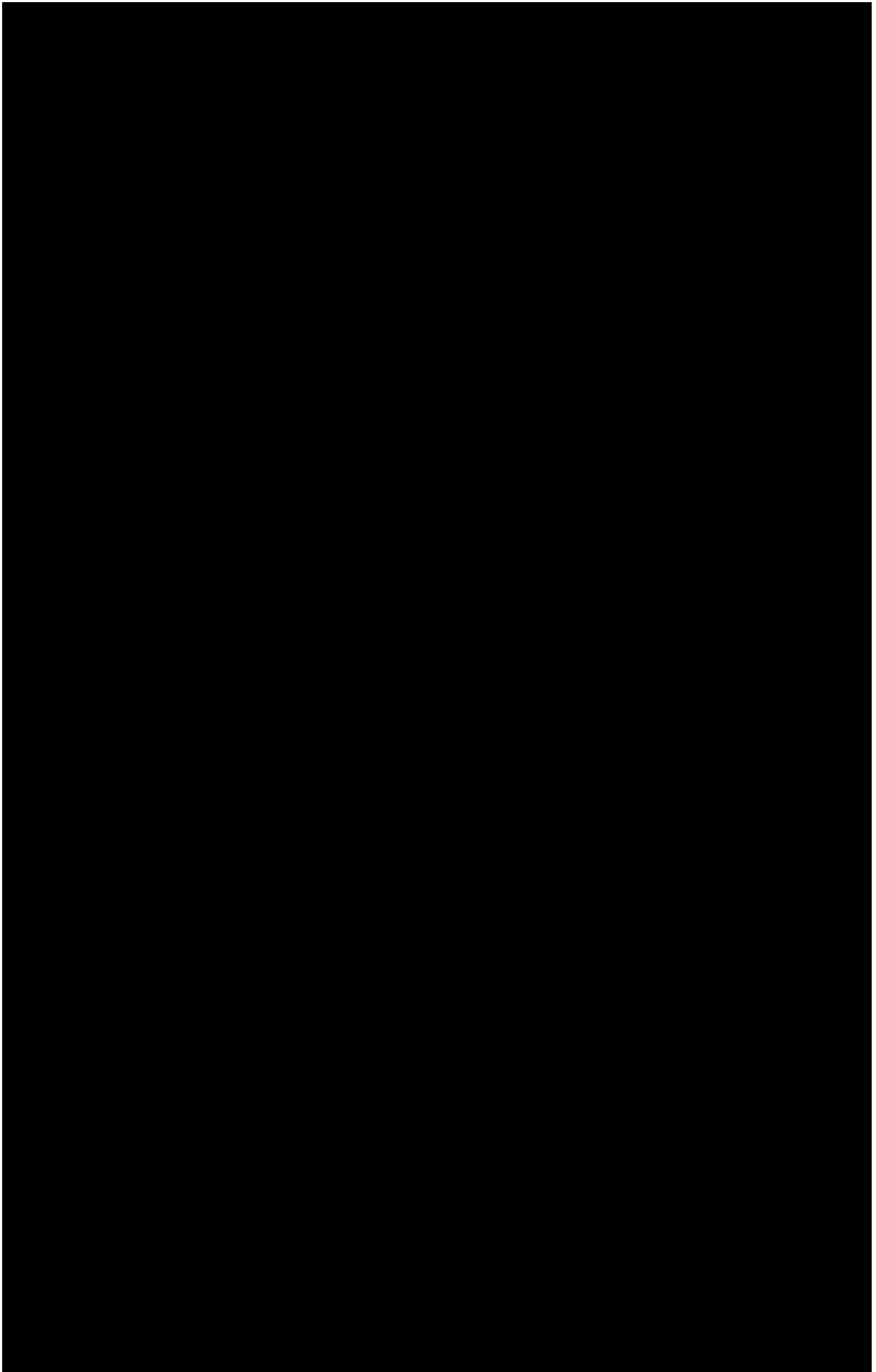












Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the confidential annexure marked [REDACTED]-4 produced and shown to [REDACTED] at
the time of affirming her affidavit this 11 September 2023.

Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd,
the Second and Third Respondents

Prepared by: Jeremy Quan-Sing

Law firm: Allens

Tel: (08) 9488 3700

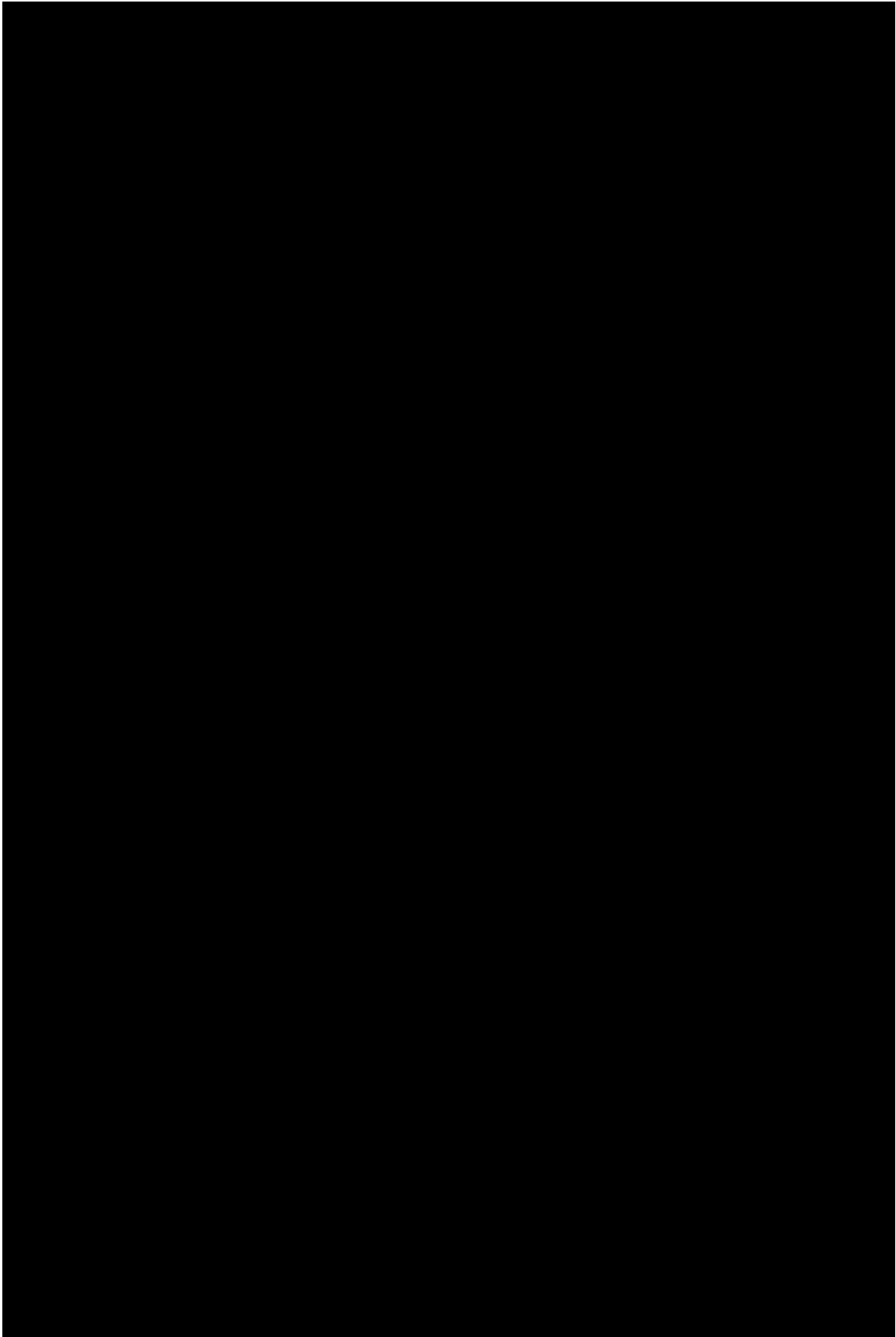
Fax: (08) 9488 3701

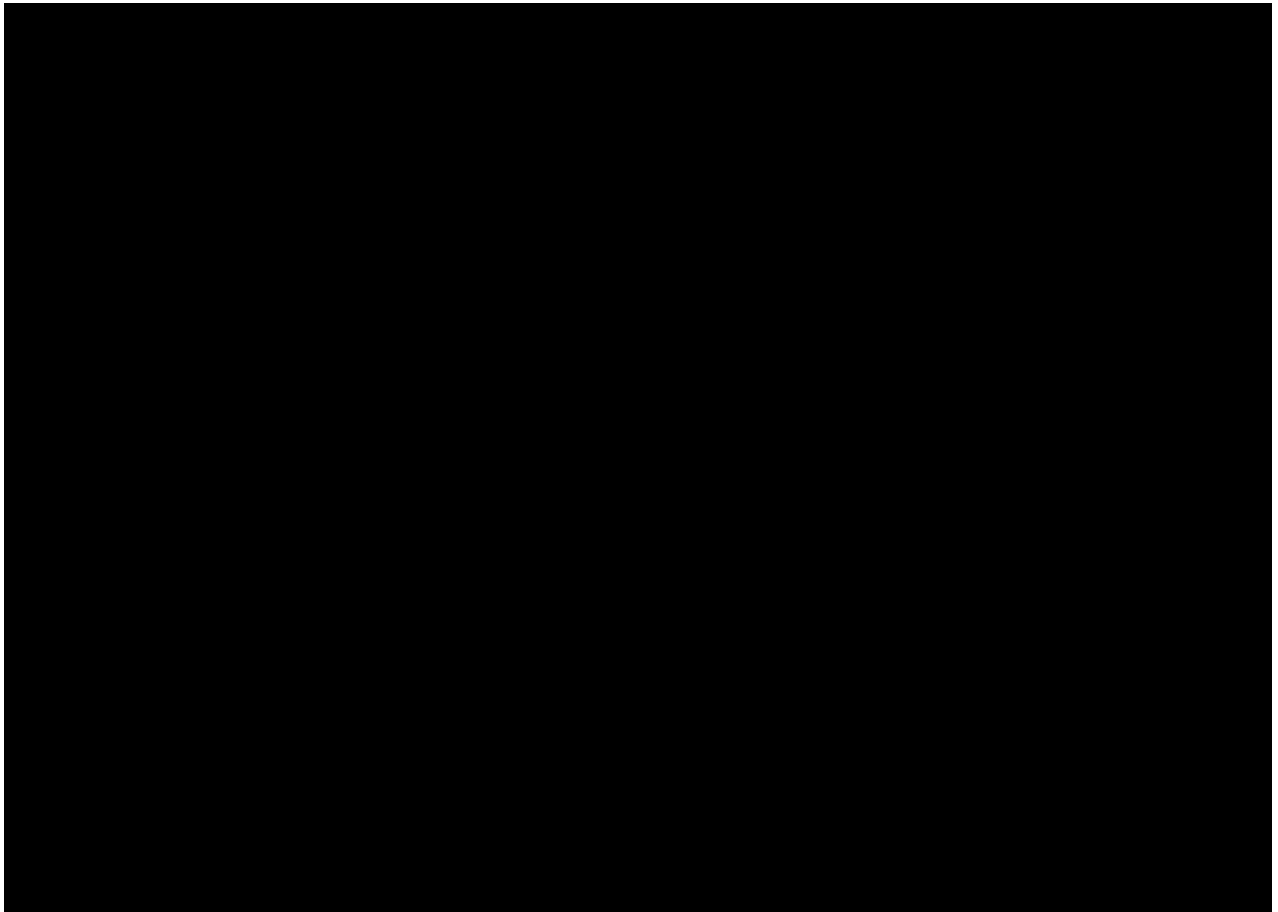
Email: Jeremy.Quan-Sing@allens.com.au

Address for service:

Level 11, Mia Yellagonga Tower 2, 5 Spring Street, Perth WA 6000

Email: Jeremy.Quan-Sing@allens.com.au





Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the annexure marked [REDACTED]-5 produced and shown to [REDACTED] at the time of
affirming her affidavit this 11 September 2023.

Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd,
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Prepared by: Jeremy Quan-Sing

Law firm: Allens

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Fax: (08) 9488 3701

Email: Jeremy.Quan-Sing@allens.com.au

Address for service:

Level 11, Mia Yellagonga Tower 2, 5 Spring Street, Perth WA 6000

Email: Jeremy.Quan-Sing@allens.com.au



OVERVIEW INFORMATION SHEET

STAKEHOLDER CONSULTATION

January 2023

SCARBOROUGH PROJECT

Introduction

This is a summary of some of the work Woodside will be doing for its Scarborough Project. Most of this work will take place in the ocean approximately 375km northwest of Karratha.

Woodside

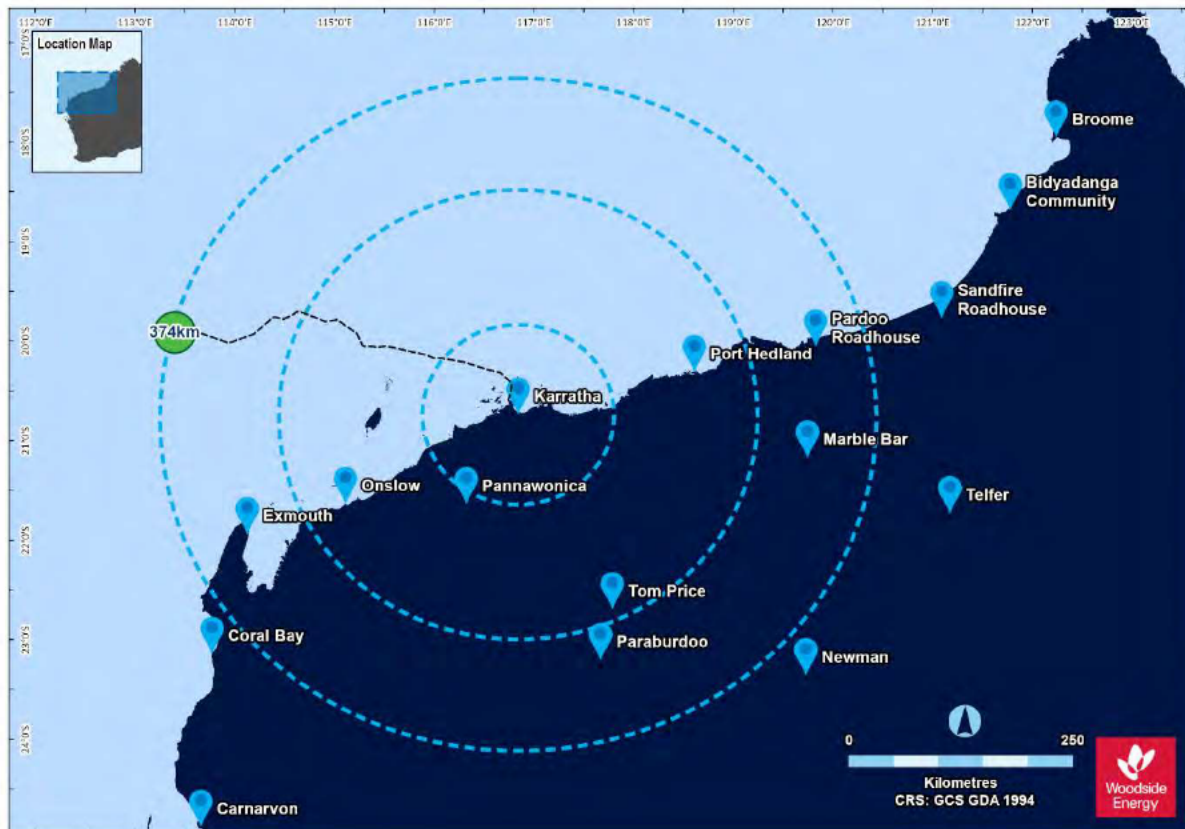
Woodside has been operating safely for over 35 years, delivering gas and oil to customers in Australia and around the world safely, reliably, and without any major environmental incident. Woodside is very proud of this legacy.

You can find more information about Woodside on our website: www.woodside.com.

Scarborough Project

Scarborough is a gas field under the sea floor about 375 km northwest of Karratha. Woodside plans to bring this gas from Scarborough to Murujuga (the Burrup Peninsula) through a pipeline (called a trunkline) that is approximately 430km long, to Woodside's Pluto gas plant.

The map below shows where the Scarborough project, including the trunkline, is located.



You can find more information about the Scarborough project on Woodside's website:

<https://www.woodside.com/what-we-do/growth-projects/scarborough>

Work for the Scarborough Project

This is an overview of some of the programs which make up the Scarborough project. Woodside is planning to commence work on these programs once the environmental plans have been approved. There will be further work programs that will form part of the Scarborough project.

The current work programs are:

1. Laying the pipeline from the Scarborough gas field to the shore at Murujuga (Burrup Peninsula). The pipeline (called a trunkline) is approximately 430 kilometres long. This is called **Seabed Intervention and Trunkline Installation**.
2. A survey of what is underneath the seafloor. These are called **Seismic Surveys**.

3. Drilling and installing between 8 and 10 subsea gas wells on the sea floor to extract gas from the Scarborough gas field. This is called **Drilling and Completions**.
4. Installing pipes and other equipment on the sea floor so gas can be carried to a proposed Floating Production Unit (FPU). This is called **Subsea Infrastructure Installation**.

Information sheets for these work programs are available on our website:

<https://www.woodside.com/sustainability/consultation-activities>.

SUMMARY INFORMATION SHEET

January 2023

SCARBOROUGH SEISMIC SURVEY

This is a summary of the activity in plain English. More detailed information is included in the Scarborough 4D Baseline Marine Seismic Survey Information Sheet.

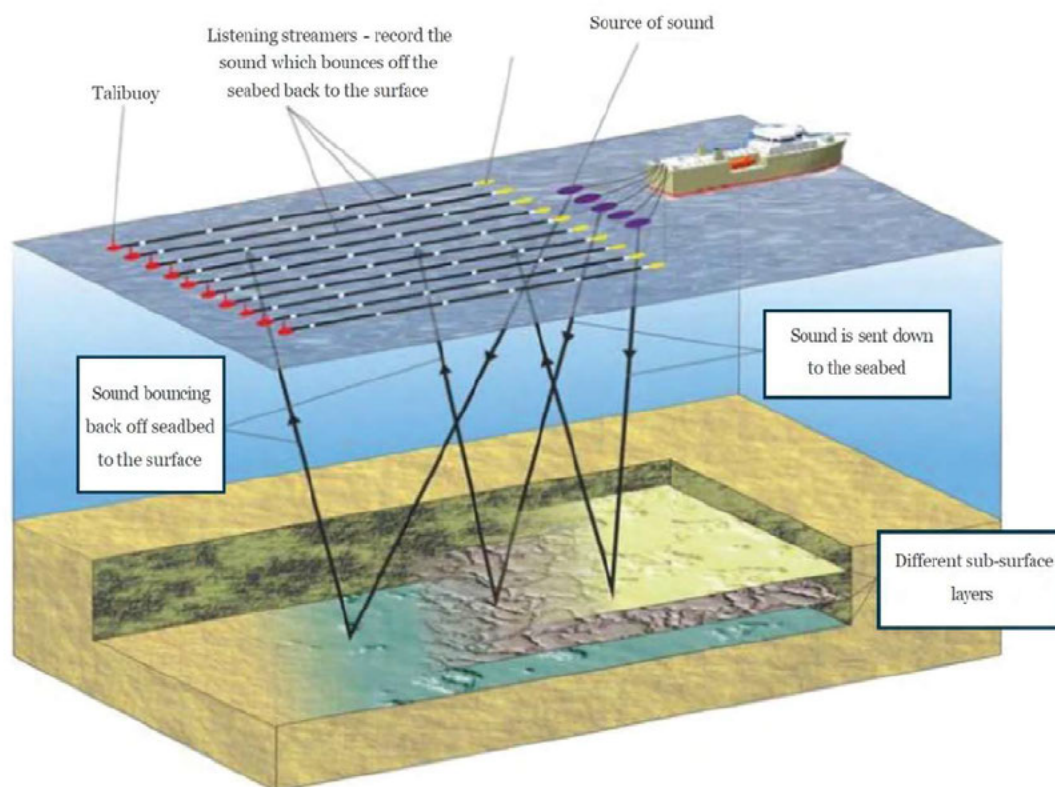
Overview

Woodside plans to conduct a seismic survey over the Scarborough and Jupiter gas fields located in the Exmouth Plateau, approximately 214km northwest of Exmouth. A seismic survey is the study of what is underneath the seafloor. This is carried out by sending sound to the bottom of the ocean which then bounces back up to the surface. These sounds are used to generate images of underneath the seafloor.

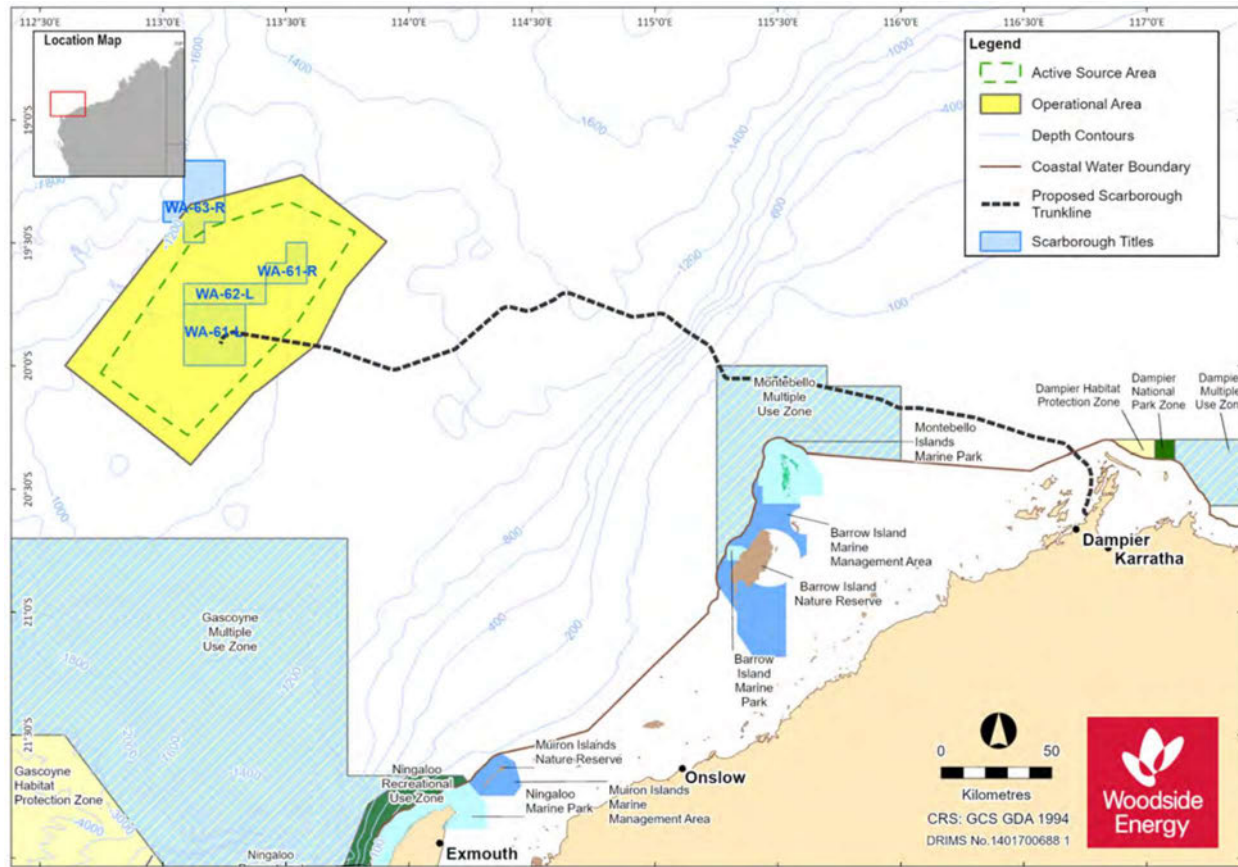
The Scarborough seismic activity involves a survey vessel, accompanied by a support vessel which tows seismic equipment approximately 8km long and up to 1.5km wide.

Woodside is planning to start the seismic survey upon the acceptance of the Environment Plan, and the aim is to start the survey around the first half of 2023. The survey is expected to take up to around 55 to 70 days to complete.

A picture of how a seismic survey is conducted is shown below.



A map showing the location of where the seismic survey will take place is provided below.



Work Method

To conduct the seismic survey, a vessel will sail at a speed of around 4-5 knots (5.5 – 9.3 km/hr). As the vessel travels through the water, equipment is towed behind the vessel which includes sound making and sound receiving equipment. The sound equipment pushes out compressed air that makes sounds underwater, which travels down through the water to the seabed. The sound bounces off different types of rock and sand below the seabed and is sent back up to the sea surface. This sound is received and recorded by equipment inside the listening streamers which are towed by the vessel. These sounds are then analysed and used to provide images that show the geological structures under the sea floor.

Environmental Impacts and Management

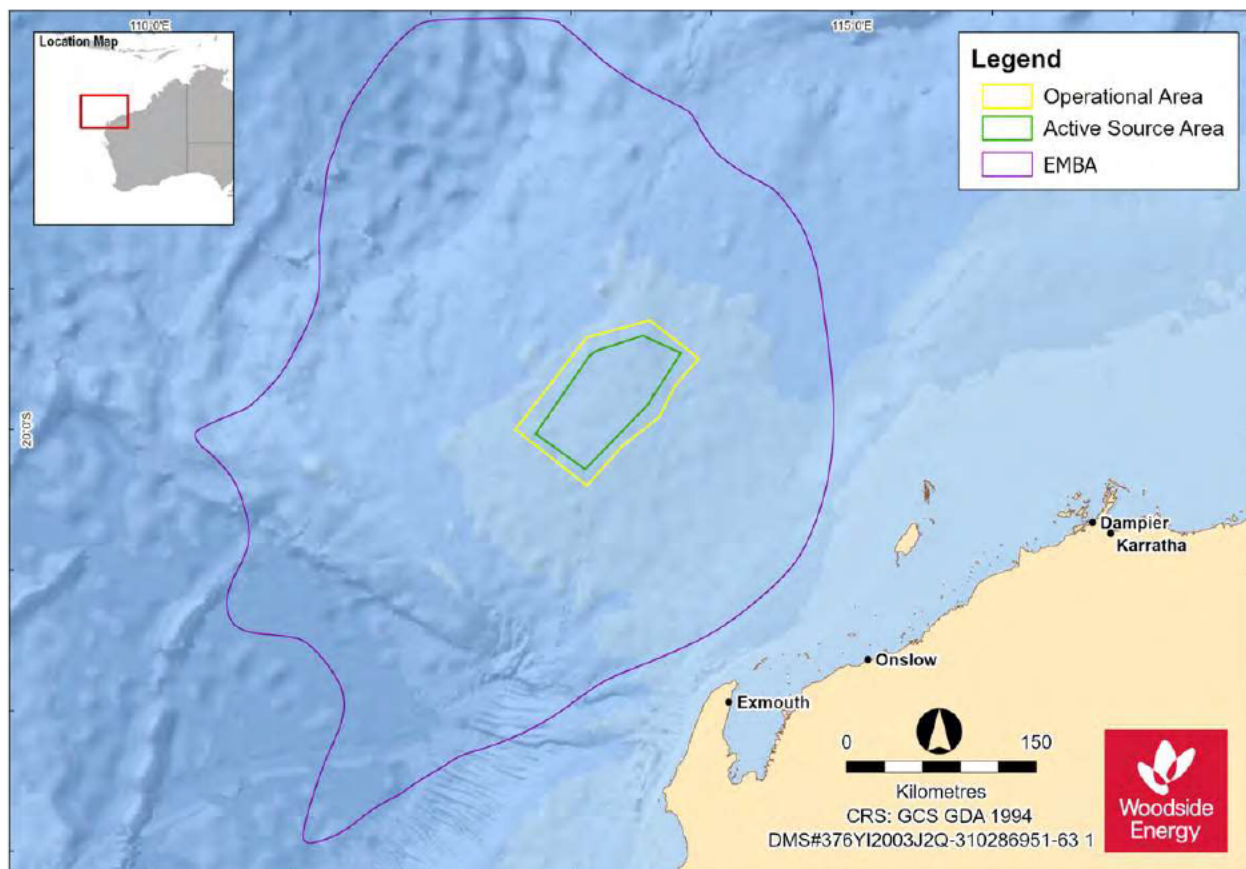
This work program includes Planned Activities but may also result in Unplanned Activities. Both Planned and Unplanned Activities may impact the environment. Woodside manages the work program to reduce impacts and risks to as low as practical.

Planned Activities are activities that Woodside knows will happen as part of this work program. For example, Planned Activities will include other marine users being temporarily stopped from accessing the seismic survey area, and the marine and survey vessels used for the work may generate underwater noise, light emissions, atmospheric emissions, and routine discharges (such as sewage, waste, and deck drainage), and other authorised waste.

Unplanned Activities are not planned as part of the work program, but may be the result of an accident, incident, or emergency situation. It is highly unlikely that there will be an Unplanned Activity. Unplanned Activities might include a spill of fuel or oil from a vessel collision, a spill on the deck of a vessel (such as during refuelling), loss of seismic equipment, accidental collision with marine animals, waste entering the environment and accidental introduction of invasive species from outside the region.

A table showing all planned and unplanned activities, potential impacts, and management measures for each is included in the attached Information Sheet, Table 4.

The total area over which unplanned events could have environmental impacts is shown in the map below. This is referred to as the environment that may be affected (EMBA). The location in which the vessels will operate for the Seismic Survey, known as the Operational Area, is shown on the map below. The location in which the sound will be generated from the seismic survey, known as the Active Source Area, is also shown on the map below. In the highly unlikely event such as a fuel spill from a vessel collision, the entire EMBA will not be affected. The part of the EMBA that is affected will only be known at the time of the event.



Providing feedback

If you have an interest in the area of the "environment that may be affected" (EMBA) by this work program and would like more information or have any concerns, you can tell Woodside by calling **1800 442 977** or sending an email to feedback@woodside.com.au. Please contact Woodside before **20th February 2023** so your questions or concerns can be considered during the environmental approval process.

If you would prefer to speak to the government directly, they can be contacted on **+61 (0)8 6188 8700** or send an email to communications@nopsema.gov.au.

Conclusion

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There are always potential risks with projects like this. Woodside has carefully planned this work program so that the risk of environmental impact is reduced to as low as reasonably practical and of an acceptable level. There are also strict government laws in place to protect the environment. Woodside complies with these laws and has systems in place to keep following these laws and rules for each project it undertakes.

If you would like information about Woodside's work to study and care for the environment, you can find it at <https://www.woodside.com/sustainability/environment>.

Further Information

You can find the details Consultation Information Sheet for proposed activity on our website: <https://www.woodside.com/sustainability/consultation-activities>.

SUMMARY INFORMATION SHEET

January 2023

SCARBOROUGH SUBSEA INFRASTRUCTURE INSTALLATION

This is a summary of the activity in plain English. More detailed information is included in the WA-61-L and WA-62-L Subsea Infrastructure Installation Environment Plan Information Sheet.

Overview

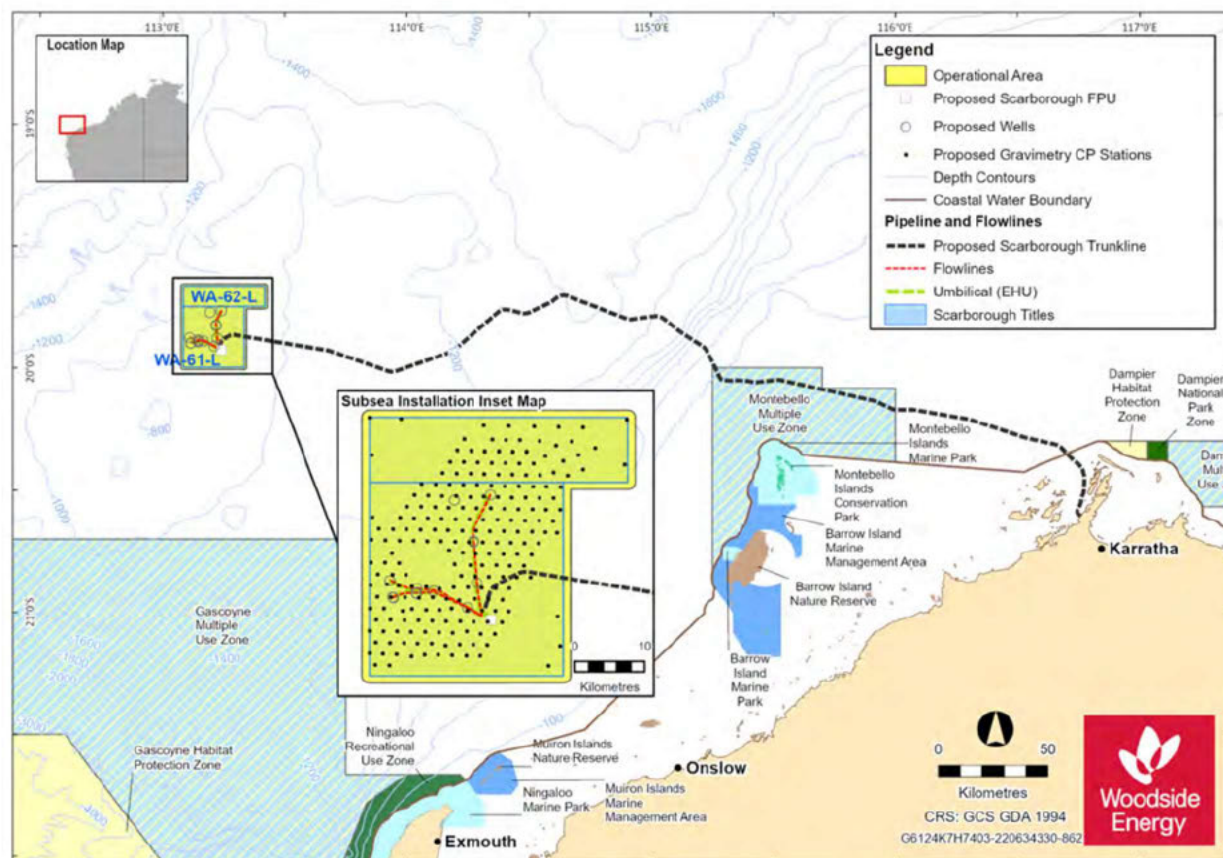
Woodside plans to install pipes and other equipment on the sea floor so gas can be carried to a proposed Floating Production Unit (FPU). This activity is called Subsea Infrastructure Installation. The activity will be divided into the following parts:

- 1. Gravimetry Survey** – This involves the use of equipment called a gravity metre that records information about the gas field beneath the sea floor.
- 2. Subsea Equipment Installation** – Placement of subsea equipment on the sea floor. The installation of this equipment will be carried out using large construction vessels.

This work will take place approximately 380km north-west of Karratha, at a water depth of approximately 950m.

Woodside is planning to start the Subsea Infrastructure Installation work upon the acceptance of the Environment Plan, and the aim is to start work around the second half of 2023. The activity is expected to take up to around 18 months to complete.

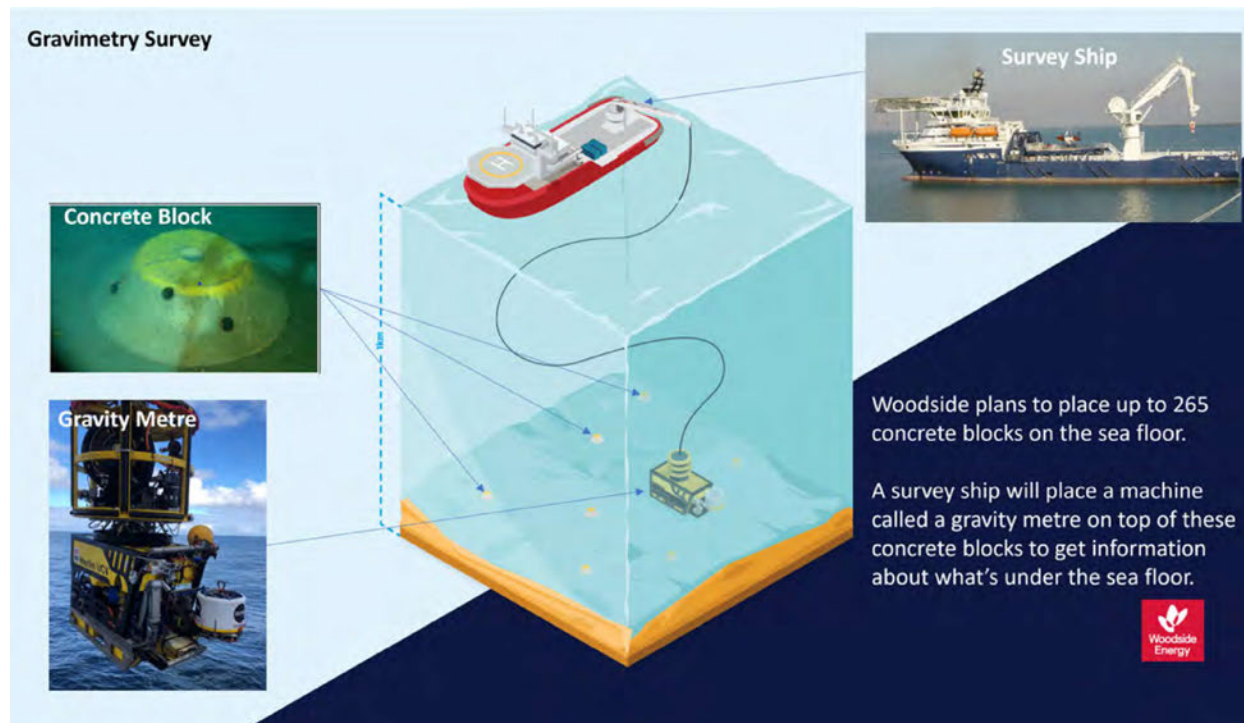
A map of the work area is provided below.



Work Method

Gravimetry Survey - The gravimetry survey involves placing up to 265 concrete blocks on the seabed. The concrete blocks shown in the image below, are about 1.6m wide. An underwater remotely operated vehicle (ROV) will be used to put a machine called a gravity metre on top of the concrete blocks. The gravity metre rests on the block long enough

for a measurement to be taken, and then the ROV picks up the gravity metre and moves it to the next block. This survey is carried out to monitor pressure and other changes in the gas field under the sea floor. An illustration of this is below.



Subsea Equipment Installation - The equipment that Woodside will install on the sea floor includes:

- Chains connected to large anchors that will hold the proposed FPU in place
- Pipes called risers that take gas from the proposed FPU to the pipeline (called a trunkline) that goes to the Pluto Gas Plant
- Large cables called umbilicals that will provide power and communication to the equipment on the sea floor
- Pipes called flowlines that will transport the gas to the proposed FPU

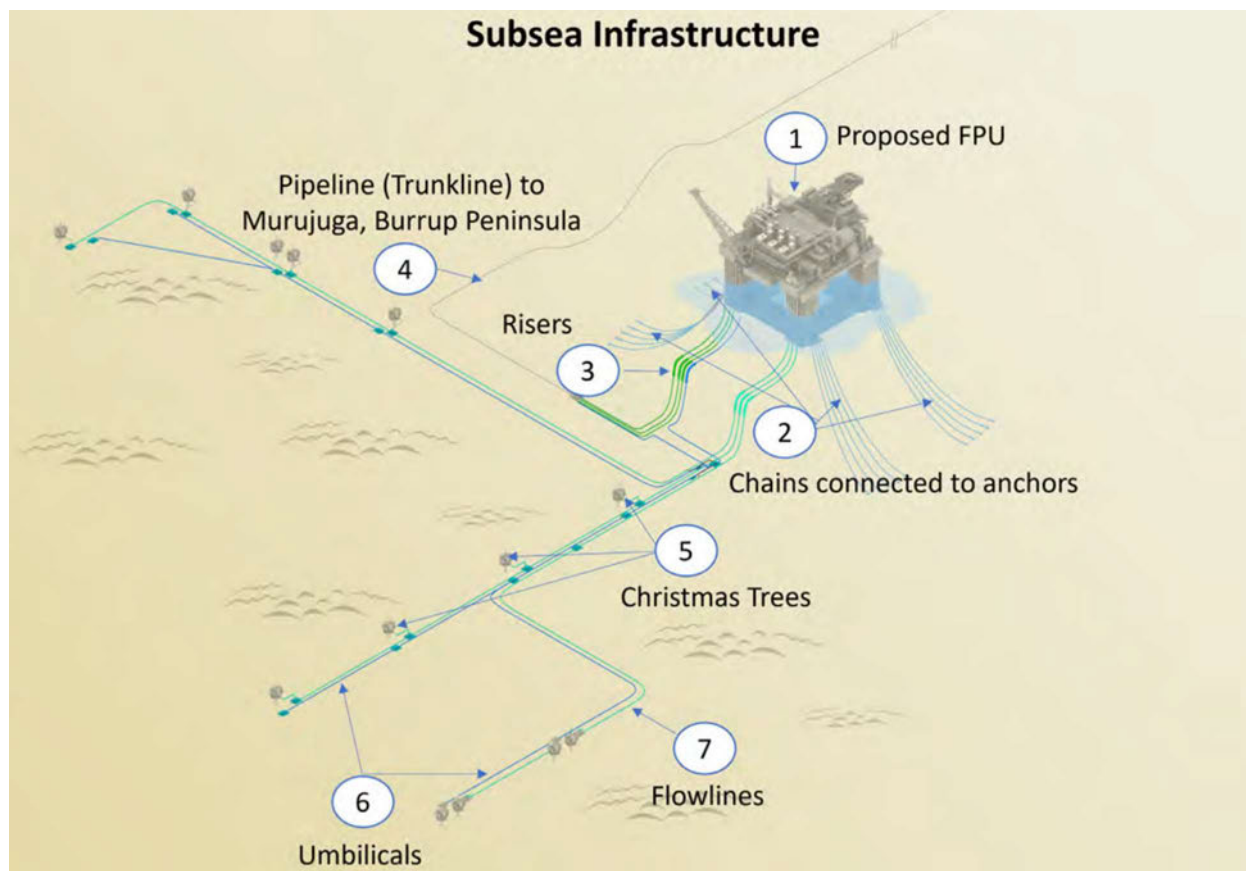
- Support structures that will hold the pipes and other equipment in place

- Other cables and equipment to allow gas wells to operate

Further details and quantities of the equipment being installed can be found in the detailed Information Sheet. This equipment will be installed by large construction vessels.

Other equipment such as Christmas Trees (which control the flow of gas from the wells), the trunkline and the proposed FPU will be installed under separate work programs.

An illustration of this work is shown below



Environmental Impacts and Management

This work program includes Planned Activities but may also result in Unplanned Activities. Both Planned and Unplanned Activities may impact the environment. Woodside manages the work program to reduce impacts and risks to as low as practical.

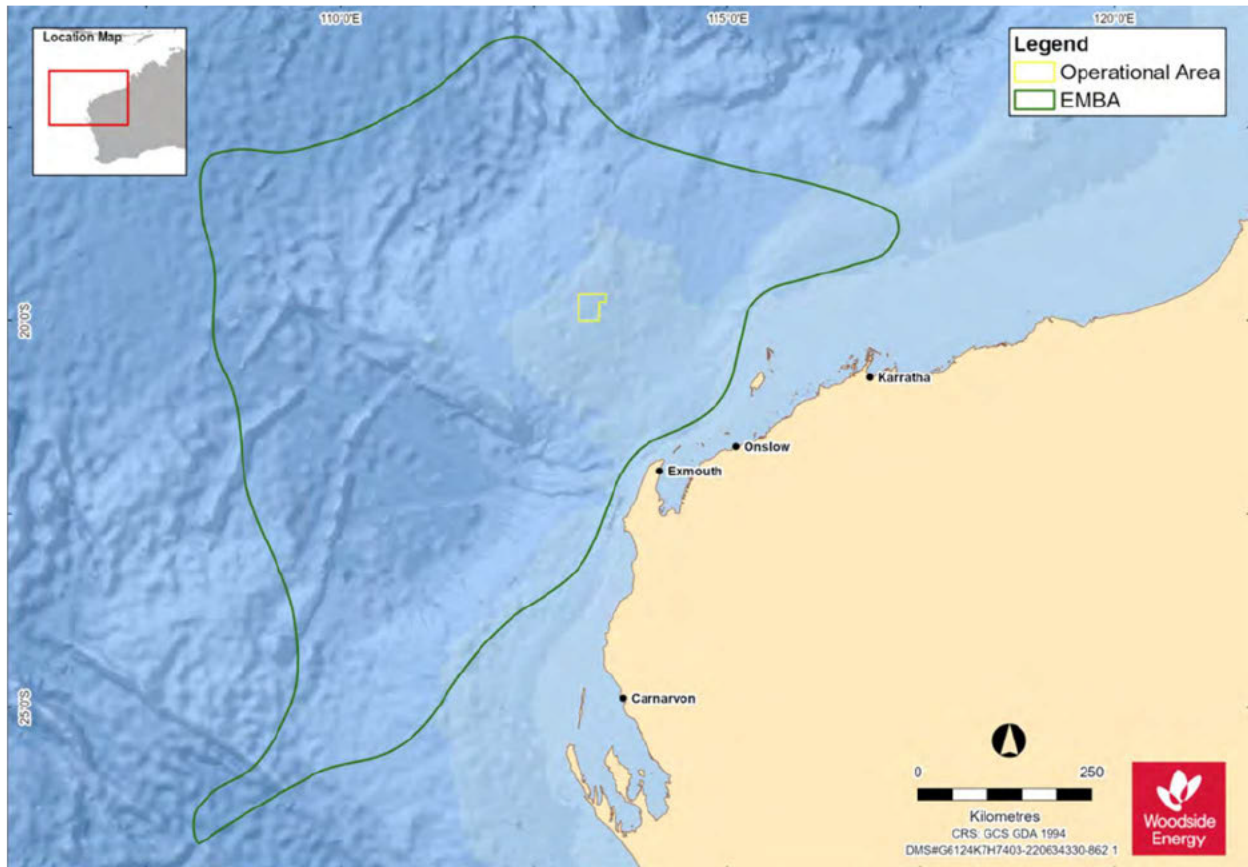
Planned Activities are activities that Woodside knows will happen as part of this work program. For example, Planned Activities will include other marine users being temporarily stopped from accessing the work area, and the marine vessels used for the work may generate underwater noise, light emissions, atmospheric emissions, and routine discharges (such as sewage, waste, and deck drainage), and other authorised waste. Installation of the concrete pads and subsea equipment may also result in seabed disturbance.

Unplanned Activities are not planned as part of the work program, but may be the result of an accident, incident, or emergency situation. It is highly unlikely that there will be an Unplanned Activity. Unplanned Activities might include a spill of fuel or oil from a vessel collision, a spill

on the deck of a vessel (such as during refuelling), unplanned seabed disturbance, accidental collision with marine animals, waste entering the environment and accidental introduction of invasive species from outside the region.

A table showing all planned and unplanned activities, potential impacts, and management measures for each is included in the attached Information Sheet, Table 3.

The total area over which unplanned events could have environmental impacts is shown in the map below. This is referred to as the environment that may be affected (EMBA). The location in which the Subsea Infrastructure Installation activity will occur, known as the Operational Area, is also shown on the map below. In the highly unlikely event such as a fuel spill from a vessel collision, the entire EMBA will not be affected. The part of the EMBA that is affected will only be known at the time of the event.



Providing feedback

If you have an interest in the area of the "environment that may be affected" (EMBA) by this work program and would like more information or have any concerns, you can tell Woodside by calling **1800 442 977** or sending an email to feedback@woodside.com.au. Please contact Woodside before **20th February 2023** so your questions or concerns can be considered during the environmental approval process.

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Conclusion

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Further Information

You can find the details Consultation Information Sheet for proposed activity on our website: <https://www.woodside.com/sustainability/consultation-activities>.

SCARBOROUGH SEABED INTERVENTION AND TRUNKLINE INSTALLATION

This is a summary of the activity in plain English. More detailed information is included in the Scarborough Seabed Intervention and Trunkline Installation Information Sheet.

Overview

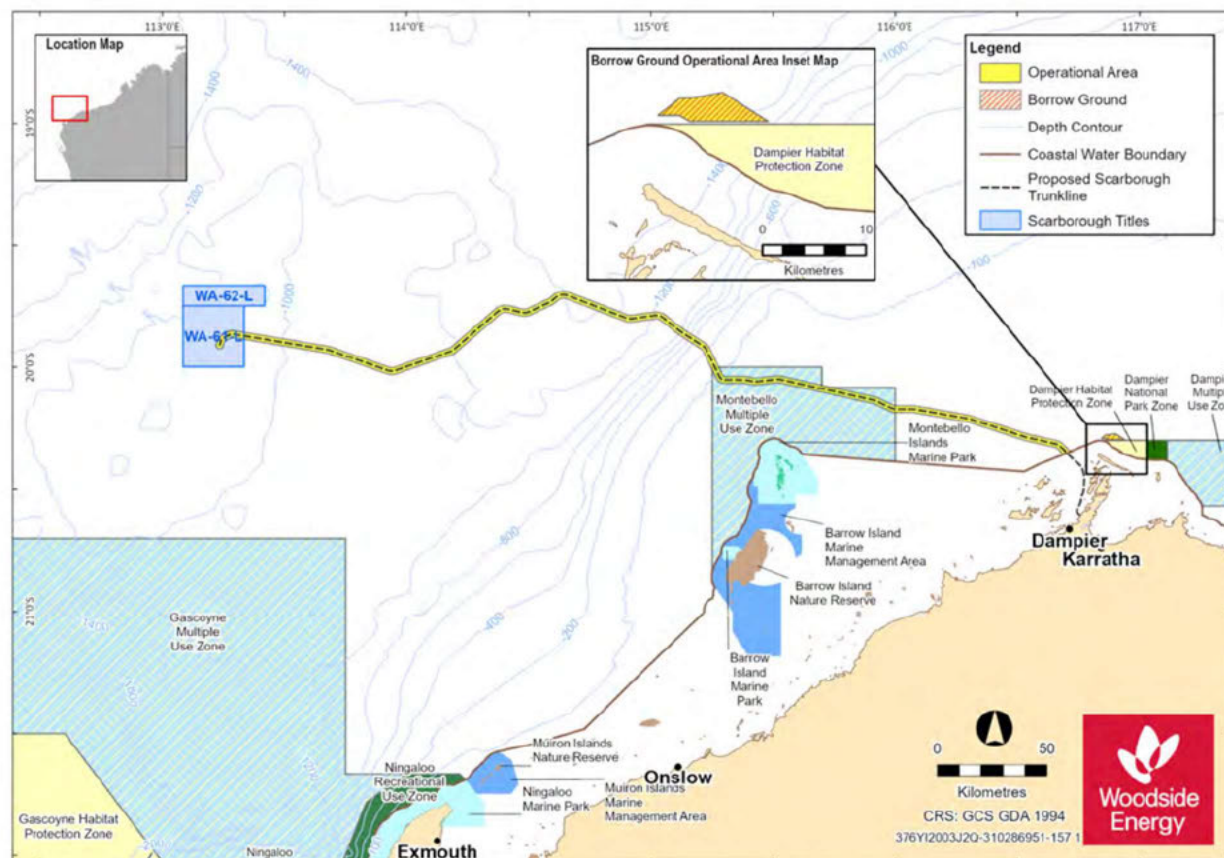
Woodside plans to install an approximately 430km long pipeline (called a trunkline) that will transport gas from the Scarborough gas field to the Pluto Gas Plant on Murujuga (Burrup Peninsula). The activity will be divided into the following parts:

1. **Seabed Intervention** – involves preparing the seabed for pipe installation by placing rock for pipe and cable crossing, and clearing out sand, deposits, and debris
2. **Trunkline Installation** – involves laying down the pipeline on the seabed using vessels and a barge

The trunkline is almost a metre wide and approximately 430km long, of which around 400km will be in Commonwealth Waters. Below is a map showing the location of the trunkline in Commonwealth Waters and Woodside's operational area for this work.

Woodside is planning to start the Seabed Intervention and Trunkline Installation work upon the acceptance of the Environment Plan, and the aim is to start work around mid-2023. The activity is expected to take up to around 2 years to complete.

A map showing the location of this work is below.



Work Method

Seabed Intervention – To support the trunkline installation, seabed preparation is required at some locations along the trunkline route. In shallow Commonwealth waters a narrow trench, up to 20 km long, will be created using a dredge vessel. The trunkline will be laid in the trench, with sand then placed on top to stabilise it. The sand will come from the Offshore Borrow Ground, located about 20 km to the east of the proposed trunkline route and near the Dampier Marine Park. Further offshore, other seabed preparation activities are planned at some locations along the trunkline route, such as the placement of rock for the trunkline to cross other pipelines and cables; and excavation and other methods to ensure the trunkline lies suitably on the seabed.

Trunkline Installation – Woodside will lay the trunkline down on the seabed using pipe lay ships, barges and support boats and install other pipe support structures. The activity will also include testing of the trunkline for potential leaks.

To support these activities, Woodside will also conduct surveys to monitor the activities. An overview of the seabed intervention and trunkline installation activity is shown in the illustration below.



Figure 1 Dredge creating a trench for trunkline to sit in



Figure 2 Placement of rock for pipe and cable crossings



Figure 3 Laying of the trunkline by pipelay vessel



Environmental Impacts and Management

This work program includes Planned Activities but may also result in Unplanned Activities. Both Planned and Unplanned Activities may impact the environment. Woodside manages the work program to reduce impacts and risks to as low as practical.

Planned Activities are activities that Woodside knows will happen as part of this work program. For example, Planned Activities include other marine users being temporarily stopped from accessing the work area, and the marine vessels used for the work may generate underwater noise, light emissions, atmospheric emissions, and routine discharges (such as sewage, waste, and deck drainage), and other authorised waste. Water testing of the trunkline may result in discharge of treated seawater. The dredging, sand backfill, pipeline installation and other intervention activities may also result in seabed disturbance.

Unplanned Activities are not planned as part of the work program, but may be the result of an accident, incident, or emergency situation. It is highly unlikely that there will be an Unplanned Activity, Unplanned

Activities might include a spill of fuel or oil from a vessel collision, a spill on the deck of a vessel (such as during refuelling), unplanned seabed disturbance, accidental collision with marine animals, waste entering the environment and accidental introduction of invasive species from outside the region.

A table showing all planned and unplanned activities, potential impacts, and management measures for each is included in the attached Information Sheet, Table 2.

The total area over which unplanned events could have environmental impacts is shown in the map below. This is referred to as the environment that may be affected (EMBA). The location in which the Seabed intervention and Trunkline Installation activities will occur, known as the Operational Area, is also shown on the map below. In the highly unlikely event such as a fuel spill from a vessel collision, the entire EMBA will not be affected. The part of the EMBA that is affected will only be known at the time of the event.

If you have an interest in the area of the “environment that may be affected” (EMBA) by this work program and would like more information or have any concerns, you can tell Woodside by calling **1800 442 977** or sending an email to **feedback@woodside.com.au**. Please contact Woodside before **20th February 2023** so your questions or concerns can be considered during the environmental approval process.

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SUMMARY INFORMATION SHEET

STAKEHOLDER CONSULTATION

January 2023

SCARBOROUGH DRILLING AND COMPLETIONS

This is a summary of the activity in plain English. More detailed information is included in the WA-61-L Scarborough Drilling and Completions Information Sheet.

Overview

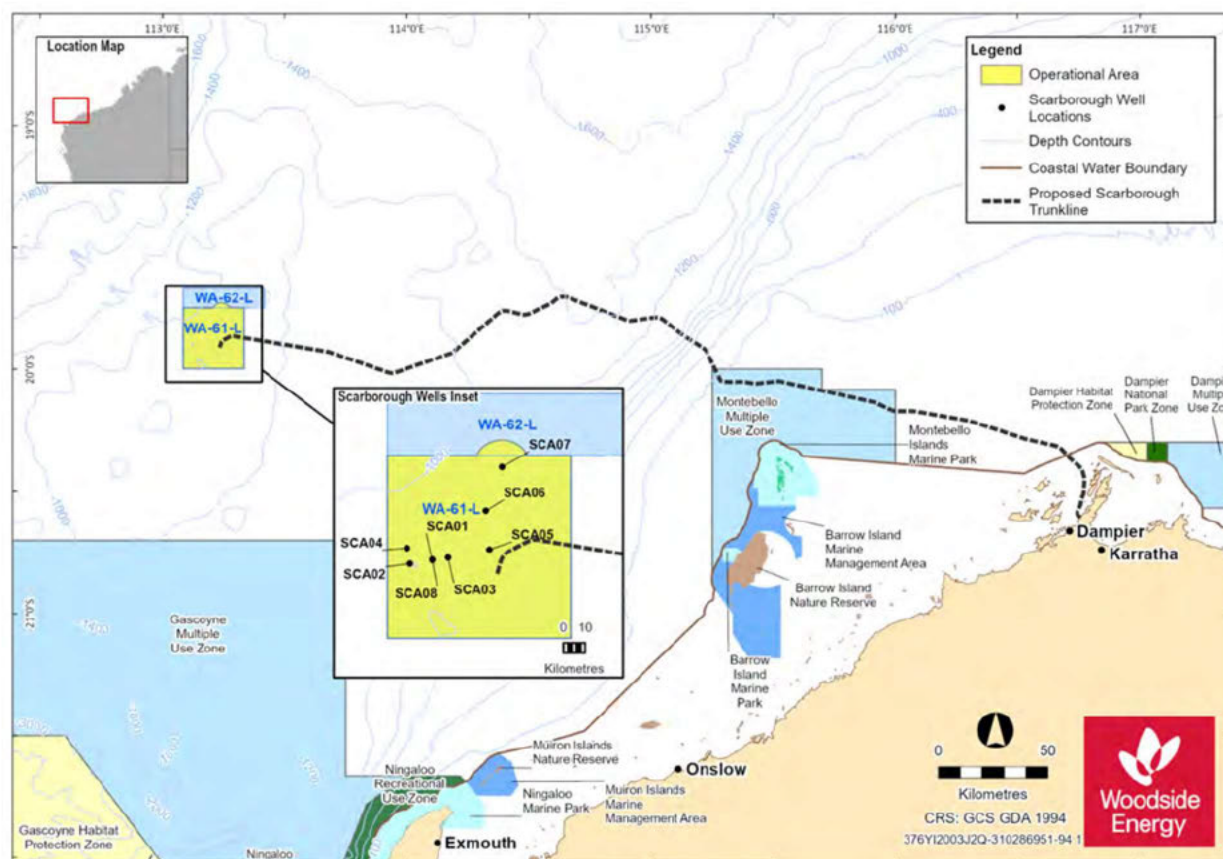
Woodside plans to drill and install between 8 and 10 subsea gas wells on the sea floor to extract gas from the Scarborough gas field. Equipment called subsea Christmas Trees will also be installed at each gas well location. These Christmas Trees act as 'taps' for each well, controlling the flow of gas.

The gas from these wells will be sent to the proposed Floating Production Unit (FPU) before being transported to the Pluto Gas Plant on Murujuga (Burrup Peninsula) along a pipeline (called a trunkline)

which is approximately 430km long. It is intended that this work will take place in the ocean approximately 380km north-west of Karratha and at a water depth of approximately 950m.

Woodside is planning to start the Drilling and Completions work upon the acceptance of the Environment Plan, and the aim is to start work around the second half of 2023. The activity is expected to take up to around 60 days per well to complete.

A map showing the location of this work is below.



Work Method

To undertake the Drilling and Completions activities, Woodside will conduct inspections and monitor the sea floor, drill the holes, and build the wells using large vessels and support boats. Once the drilling has taken place, completion activities will be carried out which will include installing the Christmas Trees. Woodside will conduct re-drilling and maintenance of the drill holes and wells as necessary.

Environmental Impacts and Management

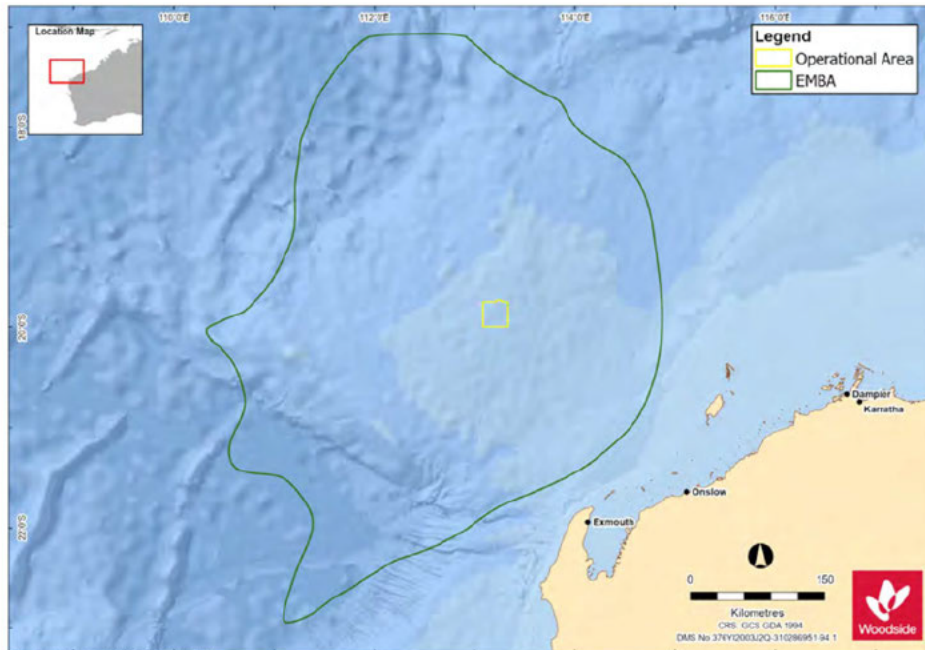
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Unplanned Activities are not planned as part of the work program, but may be the result of an accident, incident, or emergency situation. It is highly unlikely that there will be an Unplanned Activity. Unplanned Activities might include gas leaking from the wells, a spill of fuel or oil from a vessel collision, a spill on the deck of a vessel (such as during refuelling), unplanned seabed disturbance, accidental collision with marine animals, waste entering the environment and accidental introduction of invasive species from outside the region.

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Providing feedback

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Conclusion

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Further Information

You can find the details Consultation Information Sheet for proposed activity on our website: <https://www.woodside.com/sustainability/consultation-activities>.

SCARBOROUGH TRUNKLINE INSTALLATION (STATE WATERS) ENVIRONMENT PLAN

DAMPIER ARCHIPELAGO, NORTH-WEST AUSTRALIA

Proposed Activity

Woodside (as operator of the Scarborough Project) is planning to install a trunkline in State waters. The State waters component of the trunkline will run from the State waters boundary to the shore crossing, which is about 32 km long.

Installation of the trunkline (including shore crossing and seabed intervention activities) is planned to commence around Q1 2023 and continue for approximately 24 months. The activities will be managed under the Scarborough Trunkline Installation (State waters) Environment Plan (EP).

Activities relating to installation of the trunkline in State waters are described in Table 1 and include shore crossing works, dredging of a trunkline trench and spoil disposal, installation of the pipeline, stabilisation and protection of the trunkline, and supporting activities.

Our intent is to minimise environmental and social impacts associated with the proposed activities, and we are seeking any interest or comments you may have to inform our decision making.

Background

The full Scarborough trunkline will be approximately 435 km in length and will transport dry gas from a floating production unit, located in Commonwealth waters close to the Scarborough field, to the onshore Pluto LNG Facility on the Burrup Peninsula. The Scarborough trunkline will follow the route of the existing Pluto trunkline, with a separation distance of approximately 100 m to the south for the majority of the trunkline in State waters, with offset distance decreasing near the shore crossing.

Activities that extend beyond the State waters boundary, into Commonwealth waters, will be managed under a different EP in accordance with Australian Commonwealth legislation. Operation of the Scarborough trunkline is also outside the scope of this EP and will be the subject of a separate EP.

Woodside is owner and operator of the Scarborough Project.

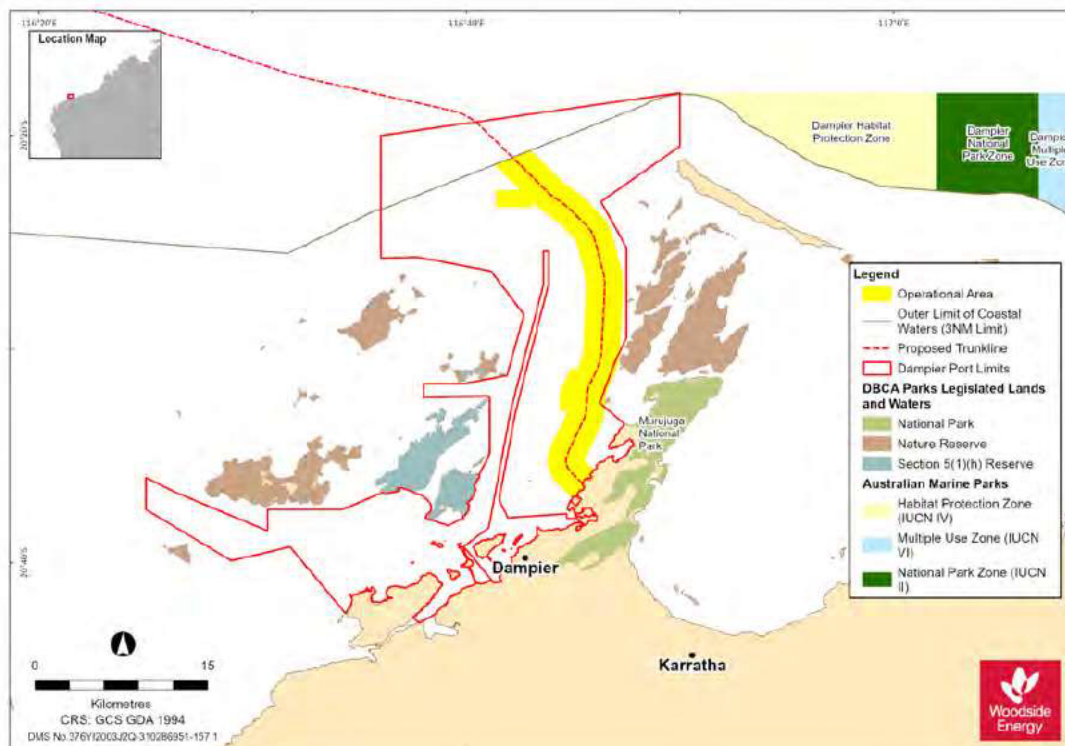


Figure 1. Petroleum Activity Program Operational Areas

Table 1. Activity summary

Scarborough Trunkline Installation (State waters) Environment Plan	
Location	<ul style="list-style-type: none"> Dampier Archipelago, North-West Australia, between the State coastal waters boundary and the Pluto LNG Facility.
Water depth	<ul style="list-style-type: none"> Ranges from Mean Low Water Mark (MLWM) at the shore crossing to - 40 m at the State waters boundary.
Earliest commencement date	<ul style="list-style-type: none"> The proposed activities are planned to commence around Q1 2023. Seabed intervention and trunkline installation activities could occur at any time throughout the year (all seasons).
Estimated duration	<ul style="list-style-type: none"> Activities are expected to continue for - 24 months. Activities will typically occur 24 hours/day, seven days a week, noting that not all activities will be undertaken at the same time.
Distance to nearest port	<ul style="list-style-type: none"> The trunkline route in State waters lies within the Port of Dampier Limits managed by the Pilbara Ports Authority.
Operational areas	
Trunkline installation project area	<ul style="list-style-type: none"> Existing Spoil Ground A/B (restricted to disposal of backhoe dredge spoil). Existing Spoil Ground 2B. Full pipeline length from shore crossing (MLWM at -KP0.04) to the Coastal Waters boundary (approximately Kilometre Point (KP) 32 along the pipeline route). An area of 1500 m either side of the trunkline centreline, including the defined development envelope (750 m either side) under Ministerial Statement No. 1172, to allow for vessel manoeuvring.
Shore Crossing	
Key activities	<ul style="list-style-type: none"> Construction of a temporary rock groyne/platform on the shoreline adjacent to the pre-excavated trench and the Pluto LNG Jetty. Pre-lay excavation activities including trenching comprising rock removal to create trench, transportation of materials and installation of a bedding layer in the trench. Pull of pipeline from Shallow Water Lay Barge (SWLB), located about 800 m from the shore. Post-lay rock installation and re-instatement
Key equipment	<ul style="list-style-type: none"> Long Reach Excavator
Seabed Intervention	
Key activities	<ul style="list-style-type: none"> Hydrographic, geophysical and geotechnical surveys. Pre-, progress and post construction survey (visual and/or multibeam echo sounder). Trailing suction hopper dredge (TSHD) trenching along the trunkline route with material disposal at existing Spoil Ground 2B. Backhoe dredge (BHD) trenching along the trunkline route with material placed in support split hopper barge (SHB) for disposal in Spoil Ground AB (restricted to BHD activities) and Spoil Ground 2B. Sand backfill along the trunkline by TSHD. Rock placement along the trunkline for pipeline protection/stabilisation. Trunkline pre- and post-lay span rectification. Contingent seabed intervention activities including maintenance dredging/excavation of resettled material in the trench prior to pipelay, post lay dredging, grout bags and rock placement.

Scarborough Trunkline Installation (State waters) Environment Plan

Key vessel types

- Trailing suction hopper dredge (TSHD)
- Backhoe dredge (BHD)
- Split hopper barges (SHB) and support tugs
- Rock installation vessel (RIV)
- Survey vessels
- Support vessels (including flat top barge (FTB))

Trunkline Installation

Key activities

- Surveys:
 - Pre-lay survey of the trunkline route prior to commencement of pipelay (visual & multibeam echo sounder).
 - Post-lay as-built survey of the completed trunkline (visual and multibeam echo sounder).
- Installation of the trunkline by a pipelay vessel (PV) near the State waters boundary.
- Installation of the trunkline by a Shallow Water Lay Barge (SWLB) in the shallow water section of the route where the Dynamic Positioning PV may not be able to access due to water depth restrictions.
- Setting of SWLB anchors with anchor handling vessel/tug.
- Continuous delivery of pipe to the SWLB and PV by pipe supply vessels.
- Dry pre-commissioning of the trunkline by a construction vessel.
- Contingent activities including wet buckle recovery and flood, clean, gauge and testing.

Key vessel types

- Shallow Water Lay Barge (SWLB)
- Anchor handling vessel/tug
- Pipelay Vessel (PV)
- Pipe supply vessels
- Offshore construction vessel (OCV)
- Survey vessels
- Fuel bunkering vessels

Communications with Mariners

Safety exclusion zones will apply around the applicable seabed intervention and the trunkline installation vessels. Marine notices will be issued prior to activity commencement to alert vessels which may be operating in waters nearby.

Stakeholder Consultation

Woodside consults stakeholders (relevant authorities and interested persons and organisations) in the course of preparing an EP. Woodside does this to ensure that stakeholders who are potentially affected by proposed activities are consulted and their input is considered in the development of the environment plan, including assisting Woodside in the identification of measures that could be applied to mitigate potential adverse environmental effects that the proposed activity may otherwise cause.

This EP approval falls under the primary environmental approval (Scarborough Development Nearshore Component) as approved through Ministerial Statement No. 1172 and EPBC Act referral 2018/8362 decision – not controlled action if undertaken in a particular manner. The activities will be conducted in line with relevant referred activity and associated management plans required under condition 6 and 7 of Ministerial Statement No. 1172 (i.e. Dredging and Spoil Disposal Management Plan (DSDMP) and Cultural Heritage Management Plan (CHMP)).

A number of mitigation and management measures will be implemented and are outlined in **Table 3**. These measures will continue to be developed in conjunction with the EP, including impact assessments and controls to reduce impacts to an As Low As Reasonably Practical (ALARP) and acceptable level. Further details will be provided in the EP.

Table 3. Summary of key risks and/or impacts and management measures during trunkline installation (State waters)

Potential Risk and/or Impact	Mitigation and/or Management Measure
Planned	
Interests of relevant stakeholders including: <ul style="list-style-type: none"> • Petroleum activities • Commercial and recreational fishing activities • Shipping activities • Recreational water users and tourism 	<ul style="list-style-type: none"> • Consultation with relevant petroleum titleholders, commercial fishers and their representative organisations, and government departments and agencies to inform decision making for the proposed activity and development of the EP. • Advice to relevant stakeholders prior to the commencement of activities. • All vessels within the Scarborough activity area will adhere to the navigation safety requirements including the Navigation Act 2012 and any subsequent Marine Orders.
Vessel interaction	<ul style="list-style-type: none"> • Woodside will notify relevant fishery stakeholders and government maritime safety agencies of specific start and end dates, specific vessel-on-location dates and any exclusion zones prior to commencement of the activity.
Marine discharges	<ul style="list-style-type: none"> • All routine marine discharges will be managed according to legislative and regulatory requirements.
Waste management	<ul style="list-style-type: none"> • Waste generated on the vessels will be managed in accordance with legislative requirements and a Waste Management Plan. • Wastes will be managed and disposed of in a safe and environmentally responsible manner that prevents accidental loss to the environment. • Wastes transported onshore will be sent to appropriate recycling or disposal facilities by a licensed waste contractor.
Seabed disturbance	<ul style="list-style-type: none"> • Implement the water quality monitoring program and tiered monitoring and management framework (TMMF) to manage water quality associated with dredging, spoil disposal and backfill activities to a level where impacts are not predicted to occur to benthic communities and habitats. • If rock placement test dumps are required, they will be conducted within the indicative 30 m trunkline corridor. • Anchoring procedures to guide the setting of anchors for the SWLB (if required) and include: <ul style="list-style-type: none"> • Accurate positioning of anchors • Prevention of excessive anchor wire drag on the seabed by ensuring sufficient tension is maintained during anchor running operations • Anchoring within 750 m of either side of the trunkline • Anchor installation as per mooring design analysis • Any wet parked items will be tracked and removed from the seabed. • Infrastructure will be placed on the seabed within the design footprint using positioning technology. • Bathymetric and other surveys will be undertaken to monitor seabed characteristics before and after activities. • Comply with in force Sea Dumping Permit (No. SD2019/3982 or amended). • TSHD draghead will be positioned within approved footprints prior to and during trenching and backfill activities. • THSD overflow pipes to be raised prior to spoil or backfill transport. • TSHD hopper door seals will be inspected prior to mobilisation. • Overflow funnels on TSHD fitted with 'green valves'.
Vessel interaction	<ul style="list-style-type: none"> • Woodside will notify relevant fishery stakeholders and government maritime safety agencies of specific start and end dates, specific vessel-on-location dates and any exclusion zones prior to commencement of the activity.
Light emissions	<ul style="list-style-type: none"> • Lighting will be limited to the minimum required for navigational and safety requirements, with the exception of emergency events. • Crew transfers which require direction of floodlights outside the vessel will preferentially occur during daylight hours during peak hatchling season(s) (December to March). • PV, RIV and TSHD to use block-out blinds / curtains on accommodation windows at night when operating vessels during peak turtle hatchling emergence periods (December to March).
Ground disturbance	<ul style="list-style-type: none"> • Shore-crossing activities will be confined to previously disturbed footprint at the Pluto LNG facility.

Potential Risk and/or Impact	Mitigation and/or Management Measure
Unplanned	
Hydrocarbon release	<ul style="list-style-type: none"> • Appropriate spill response plans, equipment and materials will be in place and maintained. • Appropriate refueling procedures and equipment will be used to prevent spills to the marine environment.
Marine fauna interactions	<ul style="list-style-type: none"> • The TSHD and relevant vessels will have trained crew as marine fauna observers. • Compliance with the EPBC Regulations 2000– Part 8 Division 8.1 Interacting with cetaceans. • Compliance with marine fauna interaction procedures set out in force Sea Dumping Permit (No. SD2019/3982 or amended). • Compliance with EPBC 2018/8362 particular manners to mitigate potential impacts on whales. • For TSHD operations during daylight hours (excluding transit) adherence to defined observation and exclusion zone. • Installation of turtle deflection chains in front of the TSHD drag head. • At completion of dredge run (fill of hopper), stop dredge pumps as soon as practicable after the TSHD drag head is lifted from the seafloor.
Introduction of invasive marine species	<ul style="list-style-type: none"> • All vessels will be assessed and managed as appropriate to prevent the introduction of invasive marine species. • Compliance with Australian biosecurity requirements and guidance. • Contracted vessels comply with Australian ballast water management requirements and Australian Biofouling Management Requirements.

Feedback

If you would like to comment on the proposed activities outlined in this information sheet, or would like additional information, please contact Woodside before **18 January 2023** via:

E: Feedback@woodside.com.au | Toll free: 1800 442 977

You can subscribe via our website to receive Consultation Information Sheets for proposed activities: www.woodside.com

Please note that stakeholder feedback will be communicated to the Department of Mines, Industry Regulation and Safety (DMIRS) as required under legislation. Woodside will communicate any material changes to the proposed activity to affected stakeholders as they arise.

Please note that your feedback and our response will be included in our Environment Plan for the proposed activity, which will be submitted to DMIRS for acceptance in accordance with the *Petroleum (Submerged Lands) (Environment) Regulations 2012*.

Please let us know if your feedback for this activity is sensitive and we will make this known to DMIRS upon submission of the Environment Plan in order for this information to remain confidential to DMIRS.

SCARBOROUGH 4D BASELINE MARINE SEISMIC SURVEY

NORTHERN CARNARVON BASIN

Woodside is planning to conduct a 4D baseline marine seismic survey (MSS) over the Scarborough and Jupiter field within Commonwealth waters, located in the Exmouth Plateau, approximately 214 km north west of Exmouth, Western Australia. The proposed activity is planned to commence in H1 2023 for a period of between 55 and 70 days, pending approvals, final survey dimensions, vessel availability and weather constraints.

The proposed survey will be conducted over areas where the Scarborough Joint Venture has previously acquired seismic data. The objective for the proposed activity is to acquire a new 3D seismic survey that will provide the baseline for future 'time lapse' reservoir surveillance (or technically termed 4D baseline survey) over the Scarborough, North Scarborough and possibly the Jupiter gas fields (located within Petroleum Titles WA-61-L, WA-62-L, WA-61-R & WA-63-R).

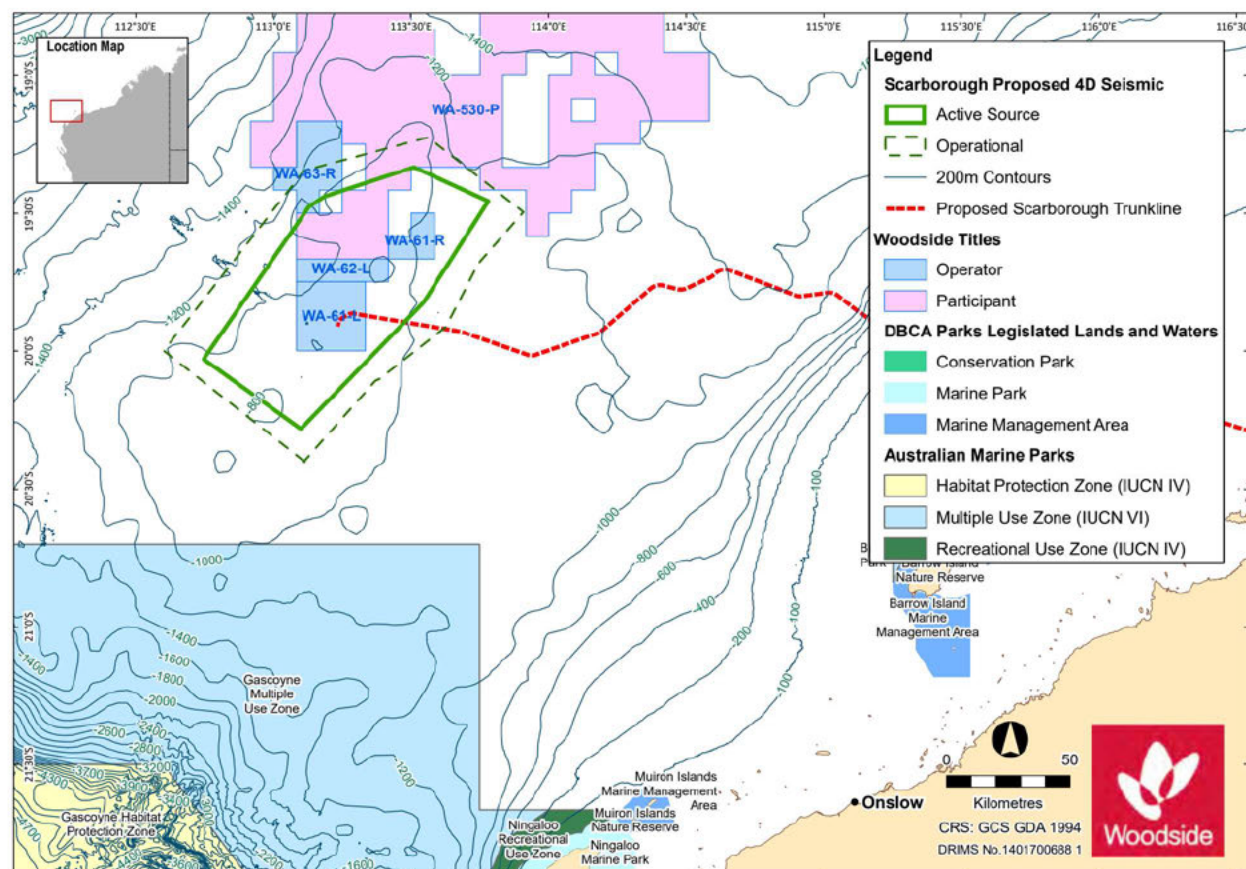


Figure 1. Proposed Scarborough 4D Baseline MSS Active Source and Operational Area.

About marine seismic surveys

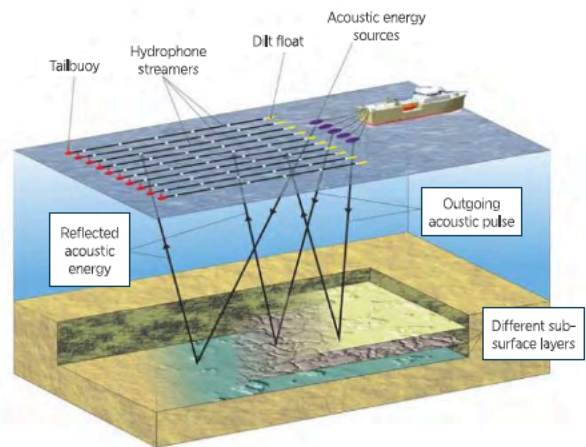
During planned activities, a seismic vessel traverses a series of pre-determined sail lines within the survey Active Source Area at a speed of approximately three to five knots (5.5 – 9.3 km/hr).

An additional buffer area, or Operational Area, around the Active Source Area is allowed for vessel manoeuvring and line turns. No discharge of the seismic source will occur in this Operational Area. Testing of the seismic source, 'soft starts', and all other operations of the seismic source during seismic lines including 'run ins' and 'run outs' will all be undertaken within the Active Source Area.

As the vessel travels along a sail line series, seismic air sources discharge compressed air to generate acoustic pulses approximately every 2 to 10 seconds.

These acoustic pulses are directed vertically through the water column and into the seabed. The released energy is reflected at geological boundaries, with the reflected signals detected by sensitive microphones called 'hydrophones, geophones or MEMS', embedded within cables, or streamers, towed directly behind the seismic vessel.

The reflected sound is recorded and then processed to generate a seismic image, providing information about the structure and composition of geological formations and the associated sedimentary properties below the seabed.



Proposed activity

Table 1 – Activity summary

Activity	Details
Earliest commencement date	H1 2023 pending approvals, vessel availability and weather constraints
Estimated duration	55 – 70 days
Active Source Area	-5,650 km ²
Operational Area	-9,200 km ²
Water depth in Operational Area	Approximately 800 m – 1,150 m
Last acquired data	2004
Vessels	A purpose built seismic vessel, one support vessel, a potential chase vessel and an additional spotter vessel (May to June).
Distance from Active Source Area to nearest port/marina	214 km north-west of Exmouth
Distance from Active Source Area to nearest marine park	46 km north of Gascoyne Marine Park Multiple Use Zone

The proposed survey will be conducted by a purpose-built seismic survey vessel. The proposed marine seismic survey is typical of seismic surveys conducted in Australian marine waters, in terms of technical methods and procedures.

Woodside is proposing to acquire a 3D seismic survey to be used as a future 4D baseline within the Active Source Area. This involves the use of an acoustic source array (dual or triple) and multiple streamers towed behind the survey vessel.

An additional support vessel will accompany the seismic vessel for assistance in the form of emergency tow as required and to re-supply the survey vessel with fuel and other logistical and operational supplies. An additional chase vessel may be used to manage interactions with other marine users in the vicinity of the survey if required. An additional vessel may be used during northbound migration. Survey activities will take place 24 hrs per day.

Technical details are outlined in **Table 2**.

Table 2 – Technical overview

Activity	Details
Number of streamers	Up to 14
Each streamer length	- 8 km
Distance between streamers	between 50 to 100 m - 75 m
Maximum width of streamer array	-up to 1.5 km
Safe navigation area (cautionary zone)	Three nautical mile radius safe navigation area around the seismic vessel, streamers and tail buoys during seismic operations
Streamer tow depth	-15 m to 20 m
Sound source size	upto 3,150 in ³

Communications with mariners

A temporary three nautical mile radius safe navigation area will be maintained around the seismic vessel and towed array during seismic operations. Marine users are requested to avoid this area during the survey to ensure the safety of the seismic vessel and third-party vessels.

The seismic vessel will be actively acquiring seismic data within the Active Source Area determined for these activities. Marine notices will be issued prior to the start of work to alert vessels that maybe operating in waters nearby and that access to these areas may be limited.

Woodside will provide updates on vessel movements and their details during the activities in the form of look ahead reports at an appropriate frequency to meet relevant stakeholder needs.

The location of the Active Source Area and Operational Area are outlined in **Table 3**.

Table 3 – Survey location

Location point	
Latitude	Longitude
Active Source Area	
20°16'59.043"S	113°6'0.387"E
20°147.096"S	112°44'50.156"E
19°28'31.503"S	113°7'47.431"E
19°26'15.236"S	113°11'12.497"E
19°19'55.308"S	113°30'40.293"E
19°27'20.645"S	113°46'53.197"E
19°49'26.264"S	113°32'44.0"E
Operational Area	
20°24'2.0"S	113°6'45.162"E
19°59'57.873"S	112°36'7.851"E
19°20'39.38"S	113°6'41.252"E
19°13'25.19"S	113°33'49.172"E
19°29'41.467"S	113°54'32.011"E
19°40'50.544"S	113°44'44.882"E
19°54'42.118"S	113°37'40.185"E
20°6'2.873"S	113°23'11.168"E
20°6'31.786"S	113°22'13.473"E

Implications for stakeholders

In support of the proposed activities, Woodside will consult relevant stakeholders whose interests, functions and activities may be affected by the proposed activities. We will also keep other stakeholders who have identified an interest informed about our planned activities.

Woodside has undertaken an assessment to identify potential risks to the marine environment and relevant stakeholders, considering timing, duration, location, and potential impacts arising from the Scarborough 4D Baseline Marine Seismic Survey.

A number of mitigation and management measures will be implemented and are summarised below.

Environment That May Be Affected (EMBA)

The environment that may be affected (EMBA) is the largest spatial extent where the Scarborough Seismic Survey Activity could potentially have an environmental consequence (direct or indirect impact). The broadest extent of the EMBA takes into consideration planned and unplanned activities, and for this Environment Plan (EP) is determined by a highly unlikely release of marine diesel to the environment as a result of a vessel collision. This is depicted in Figure 2.

The EMBA does not represent the extent of the predicted impact of the highly unlikely marine diesel release. Rather, the EMBA represents the merged area of many possible paths a highly unlikely hydrocarbon release could travel depending on weather and ocean conditions at the time of the release.

This means in the highly unlikely event a hydrocarbon release does occur, the entire EMBA will not be affected and the specific and minimal part of the EMBA that is affected will only be known at the time of the release.

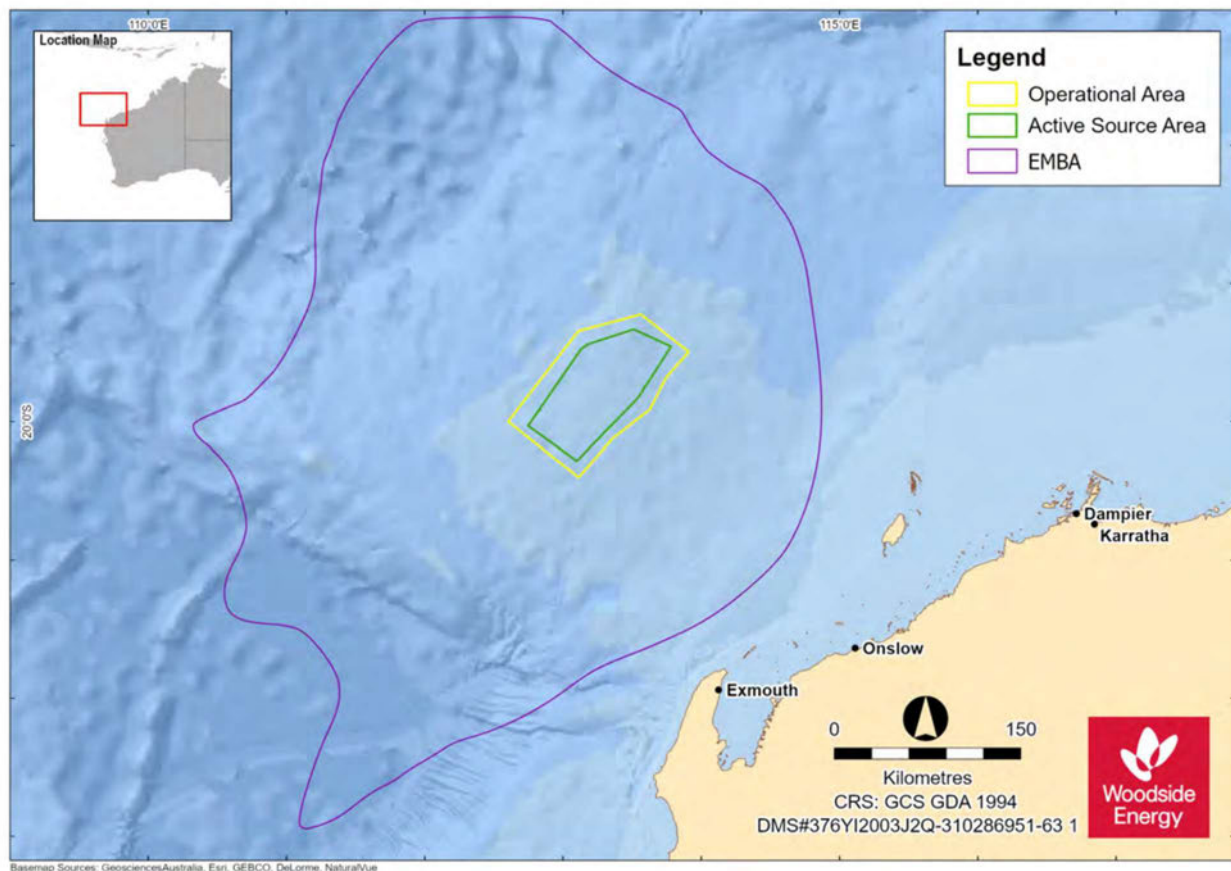


Figure 2. Environment that May Be Affected by the Scarborough Seismic Survey Activity

Mitigation and management measures

Woodside has undertaken an assessment to identify potential impacts and risks to the environment arising from the Scarborough Seismic Survey Activity.

A number of mitigation and management measures for the Scarborough Seismic Survey Activity are outlined in **Table 4**.

Table 4 - Summary of key risks and/or impacts and preliminary management measures for the Scarborough Seismic Survey Activity

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Planned			
Physical presence and interactions with other marine users	<ul style="list-style-type: none"> Several vessel types will be required to complete the activity including one seismic survey vessel, one support vessel, one chase vessel and one spotter vessel (May to June). The physical presence and movement of project vessels within the Operational Area has the potential to displace other marine users. 	<ul style="list-style-type: none"> Other vessels in the Operational Area, which may include commercial fishing, shipping and defence vessels, may be asked to deviate periodically to accommodate seismic survey operations. Deviations or interactions would be short-term due to the small area occupied by the seismic vessel and Safe Navigational Area (SNA) at any one time, and its transient nature. Impacts would be limited to operational inconvenience (navigational hazard) and temporary displacement within the Operational Area. The Operational Area overlaps with a shipping fairway and north-south international shipping traffic and therefore the potential impact to commercial shipping is expected to include short-term displacement of vessels as described above. Given the absence of fishing in the Operational Area in recent years, it is expected there will be no impact to commercial fisheries. The Operational Area is considered too far offshore for recreational fishing or tourism activities to occur. Therefore, it is expected there will be no impact. The Department of Defence (DoD) did not identify any activities within the North-West Exercise Area (NWEA) that overlaps the Operational Area. 	<ul style="list-style-type: none"> Vessels adhere to legislative requirements for navigational safety. Notify relevant government departments, fishing industry representative bodies and licence holders of activities prior to commencement and upon completion of activities. Notify the Australian Hydrographic Service (AHS) prior to commencement of the activity to enable them to update maritime charts, so that marine users are aware of the activity. Consult with relevant persons to ensure they are informed of the proposed activities. A concurrent operations plan developed for concurrent seismic activities identified (currently none have been identified). Publicly available interactive map showing location of the seismic vessel. 3 nm SNA established and communicated around the seismic vessel and towed array. One vessel available to assist the seismic vessel to manage third-party vessel interactions. Project vessels operating with appropriate equipment lighting to alert third-party marine users.
Routine acoustic emissions: project vessels	<ul style="list-style-type: none"> Project vessels will generate noise in the air and underwater due to the operation of thruster engines, propellers, and on-board machinery etc. 	<ul style="list-style-type: none"> Elevated underwater noise can affect marine fauna, including marine mammals, turtles and fishes in three main ways: <ol style="list-style-type: none"> By causing direct physical effects, including injury or hearing impairment. Hearing impairment may be temporary or permanent. Through disturbance leading to behavioural changes or displacement from important areas. The occurrence and intensity of disturbance is highly variable and depends on a range of factors relating to the animal and situation. By masking or interfering with other biologically important sounds (including vocal communication, echolocation, signals and sounds produced by predators or prey). Marine fauna associated with the Operational Area will be predominantly pelagic fish species, with the potential for species such as whale sharks, rays, marine turtles and marine mammal species to transit through the Operational Area. There are no marine fauna Biologically Important Areas (BIAs) within the Operational Area. Therefore, potential impacts from vessel noise are likely to be restricted to temporary avoidance behaviour to individuals and are therefore considered localised with no lasting effect. 	Comply with regulatory requirements for interactions with marine fauna to prevent adverse interactions.

¹ This EP is currently under assessment – these mitigation and management measures are subject to change through the consultation and assessment process and may not represent content in the publicly available EP or in the final plan once accepted.

Potential Impact/Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Routine acoustic emissions: seismic survey equipment	<ul style="list-style-type: none"> The seismic source will consist of an airgun array with a maximum capacity of up to 3150 in³. The source will be used to generate acoustic pulses by discharging compressed air periodically into the water column, at intervals of about five to six seconds. 	<ul style="list-style-type: none"> Elevated underwater noise can affect marine fauna, including marine mammals, turtles and fishes in three main ways (see above). The area over which seismic sound may impact marine species depends upon many factors including the extent of sound propagation relative to the location of receptors, and the sensitivity and range of spectral hearing of different species. The potential impacts of noise emissions from the seismic source on zooplankton during the seismic acquisition are considered to be slight and short-term, and the activity is not likely to result in ecologically significant impacts at a population level for zooplankton, fish eggs or larvae that may be present in the water column within or adjacent to the Operational Area. Demersal and pelagic fish communities within the Operational Area may exhibit some temporary behavioural responses to noise emissions from the seismic source, however, this is not likely to have an impact at the ecosystem level. Potential impacts from acoustic emissions on fish, sharks and rays are likely to be restricted to localised and temporary avoidance behaviour, and individuals impacted are unlikely to represent a significant proportion of the population within the Operational Area and the region overall. Potential impacts from acoustic emissions on fish, sharks and rays are likely to be restricted to localised and temporary avoidance behaviour, and individuals impacted are unlikely to represent a significant proportion of the population within the Operational Area and the region overall. The potential impacts of noise emissions from the seismic source on marine mammals during the acquisition of the survey are likely to be short-term and restricted to temporary behavioural changes (avoidance) in individuals moving through the Operational Area, with predicted noise levels from the seismic acquisition not considered likely to cause injury effects. Migrating whales are surrounded by open water with no restrictions (such as shallow waters, embayments) on an animal's ability to avoid the activities. Whales transiting through the area may deviate slightly from their migration route, but can continue on their migration pathway without any long-term impact. The potential impacts of noise emissions from the seismic source on marine reptiles (turtles) during the acquisition of the survey are considered to be slight and short-term. Interaction with turtles is expected to be low and impacts are likely to be restricted to temporary behavioural changes (avoidance) to transient turtles that may pass within 3.87 km of the seismic source. Turtles would be exposed to noise levels above behavioural threshold levels for a short period of time as the vessel moves through the survey area (up to 80-days). 	<ul style="list-style-type: none"> Comply with regulatory requirements for interactions with marine fauna to prevent adverse interactions. The use of trained Marine Fauna Observers to implement management procedures and adaptive management measures to minimise potential impacts to pygmy blue whales and other marine fauna from seismic noise. Dedicated spotter vessel deployed ahead of the seismic vessel if activity overlaps the May-June peak period for northbound migration of pygmy blue whales. Seismic source will be validated against noise sources assessed as acceptable in the EP and will not be discharged outside of the Active Source Area to limit the extent of underwater noise. Operation of the seismic source will not occur within 25 km of the pygmy blue whale migration BIA. A 40 km separation distance will be applied between the activity and any identified concurrent seismic surveys.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Routine acoustic emissions: seismic survey equipment (cont)		<ul style="list-style-type: none"> In the absence of foraging BIAs, it is unlikely seabirds would be impacted by the seismic survey. Noting that no commercial fisheries operate within or near the Operational Area and the Operational Area does not provide suitable habitat or water depths for target fish or crustacean species, no physical or behavioural impacts are predicted to commercial fish stocks and no impacts are predicted to commercial fishery catch rates. The Scarborough Seismic Survey Activity will be undertaken in a manner consistent with the management objectives for Australian Marine Parks (AMPs) and the North-West Marine Park Network. No long-term impacts are predicted and the values will be conserved and protected. 	
Atmospheric emissions and greenhouse gas (GHG) emissions	<ul style="list-style-type: none"> Atmospheric emissions and greenhouse gases will be generated by the project vessels from internal combustion engines and incineration activities. 	<ul style="list-style-type: none"> Emissions from project vessels could result in temporary, localised reductions in air quality in the immediate vicinity of the vessels. Given the short duration and exposed location of project vessels (which will lead to the rapid dispersion of the low volumes of atmospheric emissions), the potential impacts are expected to be localised and of no lasting effect. Given the nature and scale of GHG emissions from vessel fuel usage for this activity, the potential GHG impact and risk from this activity is considered negligible. 	<ul style="list-style-type: none"> Comply with regulatory requirements for marine air pollution and GHG emissions reporting. Evaluation of contract tenders will include consideration of vessel fuel usage/missions and low carbon/alternative fuels.
Routine discharge: bilge water, greywater, sewage, putrescible wastes and deck drainage water	<ul style="list-style-type: none"> Sewage, greywater and putrescible waste will be discharged from project vessels. Bilge water, deck drainage and brine and cooling water may also be discharged. 	<ul style="list-style-type: none"> The main impact associated with ocean disposal of sewage and other organic wastes (i.e. putrescible waste) is eutrophication. Eutrophication occurs when the addition of nutrients, such as nitrates and phosphates, causes adverse changes to the ecosystem including short-term, localised impacts to water quality. No significant impacts are expected to water quality from planned discharges because of the minor quantities involved, the expected localised mixing zone and high level of dilution into the open water marine environment of the Operational Area. Similarly, although some marine fauna may transit the Operational Area, any potential for impact remains low due to the localised nature of discharges and rapid dilution. 	Routine marine discharges will be managed consistently with regulatory requirements.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Light emissions	<ul style="list-style-type: none"> Project vessels will use external lighting to navigate and conduct safe operations at night. Vessel lighting will also be used to communicate the vessels' presence to other marine users (i.e. navigation/warning lights). 	<ul style="list-style-type: none"> Light emissions can affect fauna (such as marine turtles and birds) in two ways: <ol style="list-style-type: none"> Behaviour: artificial lighting has the potential to create a constant level of light at night that can override natural levels and cycles. Orientation: if an artificial light source is brighter than a natural source, the artificial light may override natural cues, leading to disorientation. Light emissions to marine turtles from project vessels are unlikely to result in more than localised, behavioural disturbance to isolated transient individuals, with no lasting effect to the species. The Operational Area may be visited occasionally by seabirds, but does not overlap with BIAs or critical habitat for bird species. Impacts are expected to be limited to temporary behavioural disturbance to isolated individuals, with no lasting effect or displacement from important habitat. Lighting from project vessel activities in the Operational Area may result in the localised aggregation of fish around the vessel. Any long-term changes to fish species' composition or abundance are considered highly unlikely and are not expected to impact on commercial fisheries in the area. 	<ul style="list-style-type: none"> Lighting will be limited to the minimum required for navigation and safe operational requirements, with the exception of emergency events.
Unplanned			
Unplanned hydrocarbon release – vessel collision	<ul style="list-style-type: none"> Project vessels will use marine diesel fuel, meaning a vessel collision involving a project vessel or third-party during the activity may result in the release of marine diesel. For a collision to result in the worst-case scenario diesel release, several factors must occur as follows: <ul style="list-style-type: none"> Identified causes of vessel interaction must result in a collision. The collision has enough force to penetrate the vessel hull and in the exact location of the fuel tank. The fuel tank must be full or at least of volume which is higher than the point of penetration. 	<ul style="list-style-type: none"> In the highly unlikely event of a vessel collision causing a release of hydrocarbons, impacts to water quality and marine ecosystems could occur. Modelling of a surface release of marine diesel was undertaken as worst case scenario vessel collision. Marine diesel is a relatively volatile, non-persistent nature hydrocarbon with up to 35% evaporating within the first 24 hours. Potential impacts across the EMBA were assessed including receptors such as plankton, mangroves, seabirds and migratory shorebirds, saltmarshes, coral, tourism, recreation and cultural heritage (for example). Taking into account receptor sensitivity, the highest consequence rating for this unplanned event was a 'Moderate' risk. Receptors were rated as having a potential consequence level of 'Minor' or less ('Slight' or 'Negligible'). 	<p>Preventing vessel collision:</p> <ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements. Consult with relevant persons so that other marine users are informed and aware, reducing the likelihood of a collision. Establish a Safety Navigation Area around vessels which are communicated to marine users to reduce the likelihood of a collision. Develop a management plan for simultaneous operations where a concurrent seismic activity is identified in the Operational Area (currently none have been identified). One vessel available to assist the seismic vessel to manage third-party vessel interactions to reduce the likelihood of a collision. Notify relevant government departments, fishing industry representative bodies and licence holders of activities prior to commencement and upon completion of activities. Notify the AHS prior to commencement of the activity to enable them to update maritime charts, so that marine users are aware of the activity. <p>Spill response arrangements:</p> <ul style="list-style-type: none"> Arrangements supporting the Oil Pollution Emergency Preparation document (OPEP) will be tested so that the OPEP can be implemented as planned. In the event of a spill, emergency response activities would be implemented in line with the OPEP.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned hydrocarbon release – bunkering	<ul style="list-style-type: none"> Accidental loss of hydrocarbons to the marine environment during bunkering/refueling may occur; caused by partial or total failure of a bulk transfer hose or fittings due to operational stress or other integrity issues. 	<ul style="list-style-type: none"> A marine diesel surface release is expected to be confined to within several kilometers of the release site, and well within the EMBA identified for the vessel collision scenario. This unplanned marine diesel release has the potential to result in changes in water quality and fauna behaviour. Receptors considered in the risk assessment for this unplanned event included marine mammals, marine reptiles, fish, sharks and rays. Taking into account receptor sensitivity, receptors were rated as having a potential consequence level of 'Minor' or less ('Slight' or 'Negligible'). 	<p>Preventing unplanned hydrocarbon release due to bunkering:</p> <ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements. Appropriate bunkering equipment kept and maintained, and contractors to follow procedures and requirements for bunkering and refueling to reduce the likelihood of a spill. <p>Spill response arrangements:</p> <ul style="list-style-type: none"> Maintain and locate spill kits close to hydrocarbon storage and deck areas for use to contain and recover deck spills. Arrangements supporting the Oil Pollution Emergency Preparation document (OPEP) will be tested to ensure the OPEP can be implemented as planned. Emergency response activities would be implemented in line with the OPEP.
Unplanned discharge – deck spills	<ul style="list-style-type: none"> Accidental, unplanned loss of liquid chemical or fuels from equipment/storage on deck. 	<ul style="list-style-type: none"> Unplanned discharges of non-process chemicals and hydrocarbons may decrease the water quality in the immediate vicinity of the release. Only small volumes (<50 L) are anticipated, resulting in very short-term impacts to water quality, and limited to the immediate release location. The biological consequences of such a small volume spill on identified open water sensitive receptors relate to a minor potential for toxicity impacts to plankton and fish populations (surface and water column biota) and localised reduction in water quality within a small spill affected area. No impacts are predicted to benthic habitat communities in the Operational Area. 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution. Liquid chemical and fuel storage areas are bunded or secondarily contained when they are not being handled/moved temporarily. Spill kits positioned in high-risk locations around the vessel (near potential spill points such as transfer stations).
Unplanned discharge of solid hazardous, non-hazardous solid waste, equipment	<ul style="list-style-type: none"> Accidental, unplanned loss of hazardous or non-hazardous solid wastes/equipment to the marine environment may occur if dropped or blown overboard. Dropped objects may also result in unplanned disturbance of benthic habitat. 	<ul style="list-style-type: none"> The potential impacts of hazardous or non-hazardous solid wastes and equipment accidentally discharged to the marine environment include contamination of the environment as well as secondary impacts relating to potential contact of marine fauna with wastes. The temporary or permanent loss of waste materials/equipment into the marine environment is not likely to have a significant environmental impact, based on the location of the activity, the types, size and frequency of wastes that could occur, and species present. 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution and handling of hazardous wastes. Implement waste management procedures to ensure the safe handling and transportation, segregation and storage and appropriate classification of all waste generated. Solid waste/equipment dropped to the marine environment will be recovered, where safe and practicable to do so. Where retrieval is not practicable and/or safe, material items (property) that are lost to the marine environment will undergo an impact assessment and will be added to the inventory for the title.
Physical presence: loss of equipment	<ul style="list-style-type: none"> The seismic vessel may tow up to 14 streamers, approximately 8,000 m in length which in an unlikely event, could be lost. 	<ul style="list-style-type: none"> Loss of this equipment has the potential to cause minor physical damage to seabed and benthic communities, in the unlikely event that the streamers sink. Given the size of seismic equipment, only a relatively small area of the seabed would be disturbed and no lasting impacts to benthic habitats are expected. In the unlikely event equipment is lost, commercial fisheries and/or other marine users of the Operational Area may be required to make minor diversions to avoid the equipment, until it can be retrieved (if possible). 	<ul style="list-style-type: none"> Comply with regulatory requirements for navigational safety to reduce the likelihood of a collision which could result in loss of equipment. Equipment operated as per predetermined procedures to reduce the likelihood of equipment loss. Lost equipment recovered where safe and practicable to do so. Where retrieval is not practicable and/or safe, material items (property) lost to the marine environment will undergo an impact assessment and will be added to the inventory for the title.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned interaction with marine fauna	<ul style="list-style-type: none"> Vessel movements have the potential to result in collisions between the vessel (hull and propellers) and marine fauna. The factors contributing to the frequency and severity of impacts due to collisions vary greatly due to vessel type, vessel operation (specific activity, speed), physical environment (e.g. water depth) and the type of animal potentially present and their behaviours. The seismic vessel will be advancing at low speeds around 4-5 knots (7-9 km) during seismic acquisition. The support vessel(s) travel generally at higher speeds. 	<ul style="list-style-type: none"> Vessel movements have the potential to result in accidental collisions between the vessel (hull and propellers) and marine fauna. The risk of vessel collision with marine mammals is present year-round but is elevated seasonally for species such as humpback whales and pygmy blue whales during migration periods and within migration BIAs. The Operational Area does not overlap with marine mammal BIAs or critical habitat. Given this, and the short duration of activities within the Operational Area, and the slow speeds at which project vessels operate, collisions with marine mammals are considered highly unlikely. It is expected marine turtles will respond to vessel presence by avoiding the immediate vicinity of the vessels, and combined with low vessel speed, this will reduce the likelihood of a vessel-turtle collision. In addition, there are no BIAs or critical habitat to the survival of marine turtles within the Operational Area. 	<ul style="list-style-type: none"> Comply with regulatory requirements for interactions with marine fauna. Streamer tail buoys fitted with appropriate turtle guards or employ a design that doesn't represent an entanglement risk for turtles.
Accidental introduction of invasive marine species (IMS)	<ul style="list-style-type: none"> Vessels transiting to the Operational Area may be subject to marine fouling whereby organisms attach to the vessel hull. IMS could be present as biofouling on the vessel hull or on immersible equipment (e.g. Remotely Operated Vehicle - ROV) and could be translocated to the operational area and transferred directly to the seafloor or subsea structures where they could establish. 	<ul style="list-style-type: none"> It is not credible for IMS to be introduced and established on the seabed or subsea structures in the Operational Area as these deep waters (> 800 m) are not conducive to the settlement and establishment of IMS. There is potential for the transfer of IMS between the project vessels. 	<ul style="list-style-type: none"> Ballast water and biofouling will be managed according to regulatory requirements, including the Australian Ballast Water Management Requirements, and the Australian Biofouling Management Requirements, as applicable. Woodside's IMS risk assessment process will be applied to project vessels and immersible equipment entering the Operational Area.

Feedback

If you would like to comment on the proposed activities outlined in this information sheet, or would like additional information, please contact Woodside before **17 February 2023** via:

E: Feedback@woodside.com.au
Toll free: 1800 442 977

You can subscribe on our website to receive Consultation Information Sheets for proposed activities: **www.woodside.com/sustainability/consultation=activities**.

Please note that stakeholder feedback will be communicated to the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) as required under legislation. Woodside will communicate any material changes to the proposed activity to affected stakeholders as they arise.

Please note that your feedback and our response will be included in our Environment Plan for the proposed activity, which will be submitted to NOPSEMA for acceptance in accordance with the *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cth)*.

Please let us know if your feedback for this activity is sensitive and we will make this known to NOPSEMA upon submission of the Environment Plan in order for this information to remain confidential to NOPSEMA.

SCARBOROUGH SEABED INTERVENTION AND TRUNKLINE INSTALLATION

CARNARVON BASIN, NORTH-WEST AUSTRALIA

Woodside is planning to undertake seabed intervention and Trunkline installation activities in Commonwealth waters for the proposed Scarborough development, in accordance with the Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cth),

The activity involves installation of a carbon steel pipeline (Trunkline) that runs approximately 430 km from the proposed offshore Scarborough Floating Production Unit (FPU) to the existing onshore Pluto LNG facility. The scope of this Environment Plan (EP) covers seabed intervention and installation activities for the section of the Trunkline in Commonwealth waters from the State waters boundary to the Pipeline End Termination (PLET) in WA-61-L. A separate EP is

planned to address seabed intervention and Trunkline installation activities in State waters, for approval by the Western Australian Department of Mines, Industry Regulation and Safety.

Subject to relevant approvals and other constraints such as vessel availability and weather, seabed intervention activities are expected to start in mid 2023. Trunkline installation activities in Commonwealth waters are expected to commence in late 2023 following successful completion of the State waters installation scope. The Petroleum Activities Program is expected to take around 24 months to execute with activities occurring in multiple campaigns.

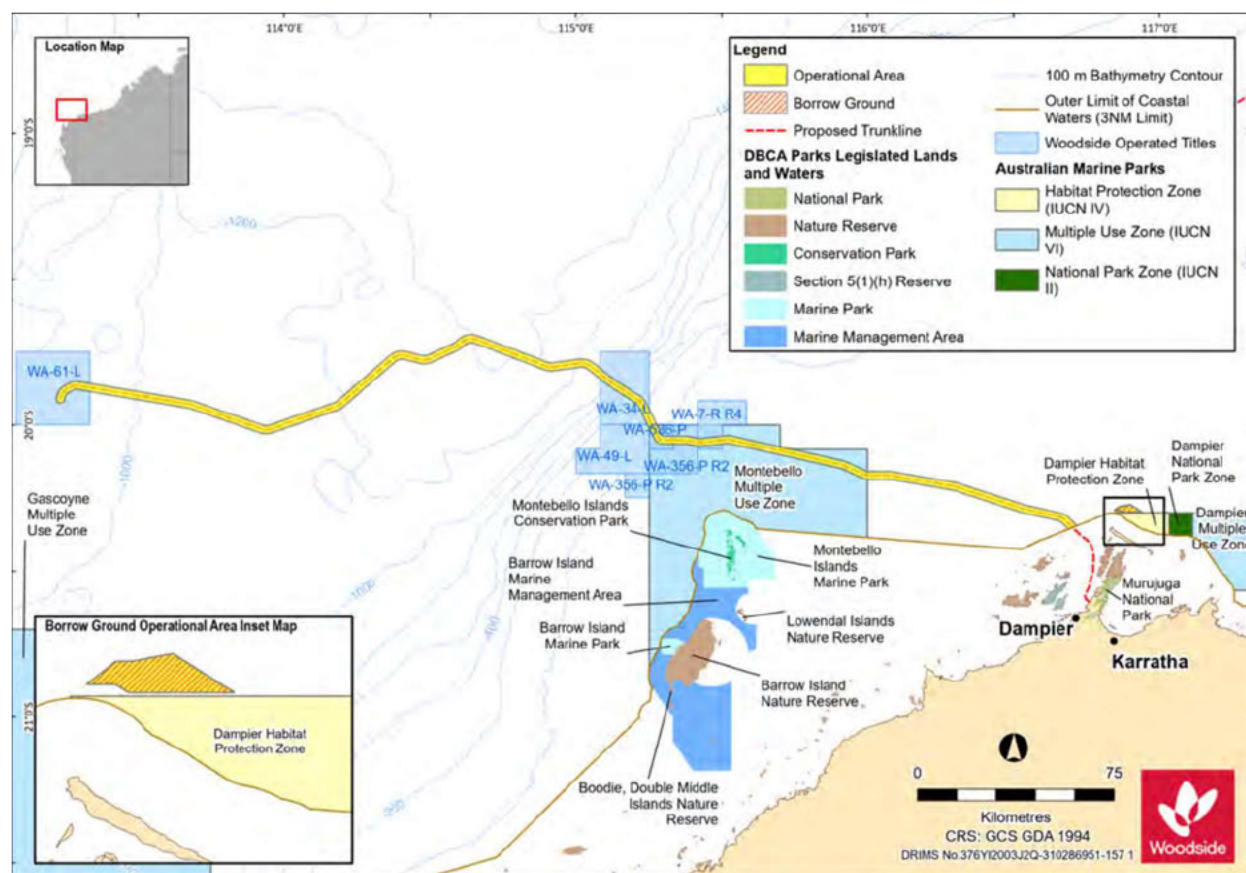


Figure 1. Proposed Scarborough Seabed Intervention and Trunkline Installation Operational Area.

Proposed activity

Table 1 – Activity summary and project vessels

Item	Details
Location	<ul style="list-style-type: none"> Carnarvon Basin, North-West Australia
Water depth	<ul style="list-style-type: none"> Approximately 32 m (Trunkline route at State waters boundary) to 1400 m (deepest point approximately 275 km along the Trunkline route)
Earliest commencement date	<ul style="list-style-type: none"> Seabed intervention activities: mid 2023 pending approvals, vessel availability and weather constraints Trunkline installation activities: Q4 2023 pending successful completion of State waters installation scope, approvals, vessel availability and weather constraints
Estimated duration	<ul style="list-style-type: none"> Approximately 24 months across multiple campaigns
Distance from Operational Area to nearest port/marina	<ul style="list-style-type: none"> Eastern end of the Trunkline route overlaps with the Pilbara Port Authority Dampier Port Limits
Distance from Operational Area to nearest marine park	<ul style="list-style-type: none"> The trunkline corridor runs through the Montebello Marine Park – Multiple Use Zone (Cwlth), close to the northern boundary Offshore borrow ground located to the north of the Dampier Marine Park Habitat Protection Zone
Seabed Intervention	
Key Vessels	<ul style="list-style-type: none"> Trailing suction hopper dredge (TSHD) Offshore construction vessel (OCV) Rock Installation Vessel (RIV) Survey vessels Support vessels Fuel bunkering vessels
Key Activities	<ul style="list-style-type: none"> Surveys: <ul style="list-style-type: none"> Geophysical (including hydrographic surveys) Geotechnical Prelay survey before pipelay (visual and multibeam echo sounder) Trenching along the Trunkline route and material disposal at existing Spoil Ground 5A Borrow ground dredging and backfill along the trunkline Continental slope crossing seabed preparation Trunkline and infrastructure crossing supports installation, using rock and mattresses Trunkline pre and post lay span rectification Contingent seabed intervention activities including maintenance, dredging/excavation of resettled material in the trench prior to pipelay, post lay dredging, grout bags and rock placement
Trunkline Installation	
Key Vessels	<ul style="list-style-type: none"> Pipelay Vessel (PV) multi-joint operation Shallow Water Lay Barge (SWLB) Anchor handling vessel/tug Pipe supply vessels Offshore construction vessel (OCV) Survey vessels Fuel bunkering vessels
Key activities	<ul style="list-style-type: none"> Surveys: <ul style="list-style-type: none"> Pre-lay survey of the trunkline route prior to commencement of pipelay (visual and multibeam echo sounder) Post-lay as-built survey of the completed trunkline (visual and multibeam echo sounder) Installation of the Trunkline by a SWLB in the shallow water section of the route where the DP pipelay vessel may not be able to access due to water depth restrictions Setting of SWLB anchors with anchor handling vessel/tug Installation of the Trunkline by the PV, including over other operator pipelines Installation of PLET and in-line tee assembly, hot tap tee assembly and ancillary structures as required through design by the PV Continuous delivery of pipe to the SWLB and PV by pipe supply vessels Installation of the foundations for the PLET structure by a construction vessel prior to the installation of the PLET Dry pre-commissioning of the trunkline by a construction vessel Contingent activities including wet buckle recovery and Flood, Clean, Gauge, Testing

Proposed locations

The Operational Area includes the following Project Areas:

- **Scarborough Trunkline Project Area:** The proposed Trunkline from the Scarborough FPU (approximately 430 km north-west of the Burrup) to the State waters boundary and 1.5 km either side of the proposed Trunkline centreline to allow for the movement and positioning of vessels (includes Spoil Ground 5A which is included in the Trunkline operational area.).
- **Offshore Borrow Ground Project Area:** Offshore Borrow Ground (location where sand will be sourced to assist with Trunkline stabilisation).

Within Commonwealth waters, the Scarborough Trunkline will extend from the FPU towards the existing Pluto offshore platform and infrastructure, approximately 200 km offshore north-west of the Burrup. The Scarborough Trunkline will then deviate to the south to avoid the existing facilities and minimise environmental, technical and safety risks. From approximately 20 km south-east of the Pluto platform, the Trunkline will be routed alongside the Pluto Trunkline until it reaches Mermaid Sound.

Sand may be required to assist with stabilisation along a ~20 km section of the Scarborough Trunkline from the State waters boundary. This sand is proposed to be obtained from the Offshore Borrow Ground Project Area in Commonwealth waters, as shown in Figure 1. The Offshore Borrow Ground is approximately 17 km², located 20 km to the east of the proposed Trunkline route and adjacent to the Dampier Marine Park. A minimum 250 m buffer will be in place from the Marine Park boundaries.

Communications with mariners

Safety exclusion zones will apply around applicable seabed intervention and the Trunkline installation vessels. Marine notices will be issued prior to activity commencement to alert vessels which may be operating in waters nearby.

Implications for stakeholders

Woodside will consult relevant stakeholders whose interests, functions, and activities may be affected by the proposed activities. We will also keep informed other stakeholders who have an identified interest in the planned activities. Woodside has undertaken an assessment to identify potential risks to the marine environment and relevant stakeholders, considering timing, duration, location and potential impacts arising from the construction and installation activities. This EP approval falls under the primary environmental approval of the Scarborough Offshore Project Proposal (OPP) and the activities will be conducted in line with relevant requirements of the OPP. A number of mitigation and management measures will be implemented and are summarised in Table 2. These measures will continue to be developed in conjunction with the EP, including impact assessments and controls to reduce impacts to an ALARP and acceptable level. Further details will be provided in the EP.

About Scarborough

The Scarborough gas resource is located offshore, approximately 375 km west-northwest of the Burrup Peninsula and is part of the Greater Scarborough gas fields which are estimated to hold 13.0 Tcf (2C, 100%) of dry gas.

Woodside, as operator of the Scarborough Joint Venture, is proposing to develop the Scarborough gas resource through new offshore facilities connected by an approximately 430 km pipeline to a proposed expansion of the existing Pluto LNG onshore facility (Pluto Train 2).

For more information about the proposed Scarborough development, visit woodside.com.au.

Environment That May Be Affected (EMBA)

The environment that may be affected (EMBA) is the largest spatial extent where the Scarborough Seabed Intervention and Trunkline Installation Activity could potentially have an environmental consequence (direct or indirect impact). The broadest extent of the EMBA takes into consideration planned and unplanned activities, and for this Environment Plan (EP) is determined by a highly unlikely release of marine diesel to the environment as a result of vessel collision. This is depicted in Figure 2.

The EMBA does not represent the extent of predicted impact of the highly unlikely marine diesel release. Rather, the EMBA represents the merged area of many possible paths a highly unlikely hydrocarbon release could travel depending on the weather and ocean conditions at the time of the release.

This means in the highly unlikely event a hydrocarbon release does occur, the entire EMBA will not be affected and the specific and minimal part of the EMBA that is affected will only be known at the time of the release.

The three hydrocarbon spill modelling sites are representative of the range of locations where vessel collision could occur in the Operational Area and are summarised below. The EMBA has been defined using a combination of all three locations:

- **Outside Mermaid Sound (Location 1):** Near the State Waters Boundary, this site represents the closest location to shore activities that will occur under this EP.
- **Montebello Marine Park Multiple Use Zone (Location 2):** This location was chosen to represent worst-case potential impact potential to sensitive environmental receptors and is almost half-way along the trunkline length.
- **Scarborough Field (Location 3):** This location is representative of a spill in the deep-water open-ocean environment in permit area WA-61-L, close to the pipeline end termination (PLET) and activities at the most western end of the Operational Area.

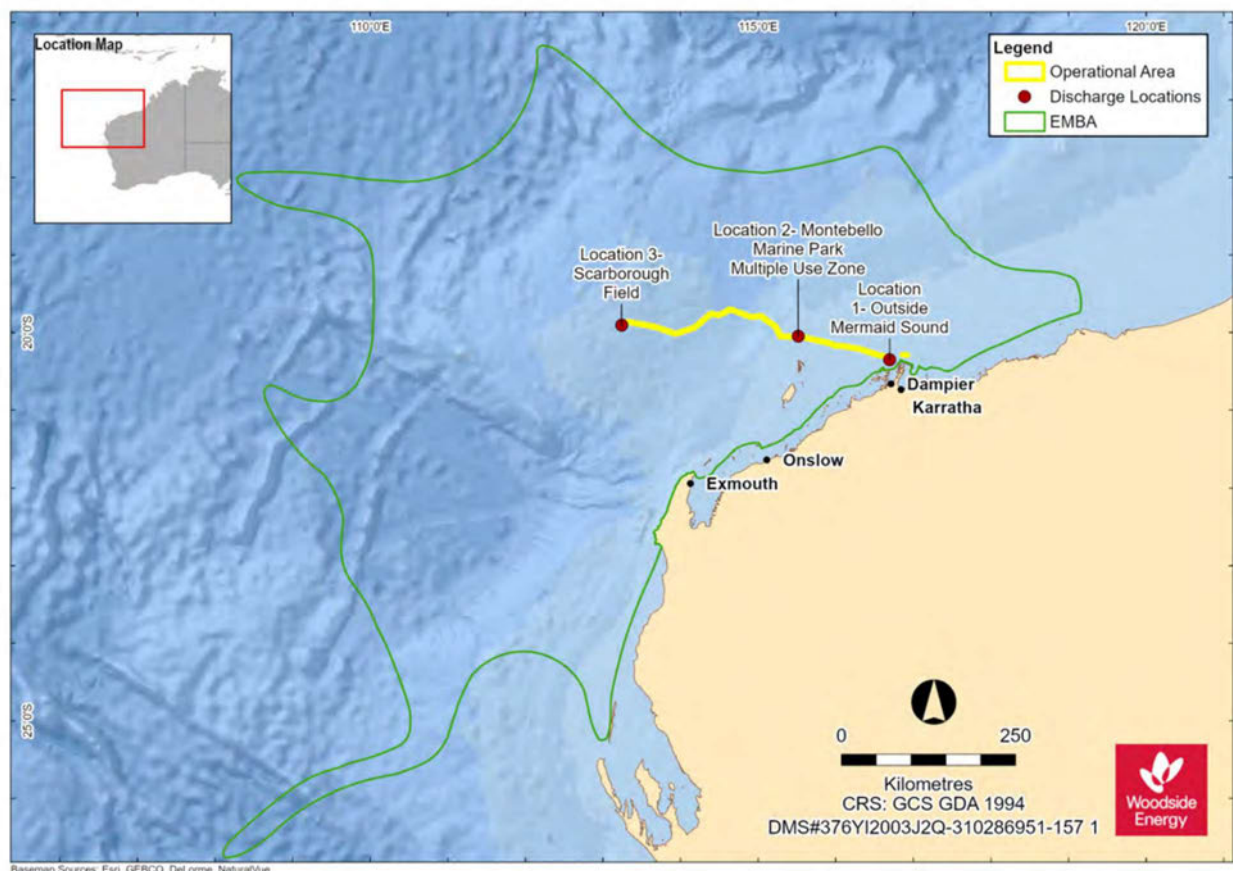


Figure 2. Environment that May Be Affected by the Scarborough Seabed Intervention and Trunkline Installation Activity

Mitigation and management measures

Woodside has undertaken an assessment to identify potential impacts and risks to the environment arising from the Scarborough Seabed Intervention and Trunkline Installation Activity.

A number of mitigation and management measures for the Scarborough Seabed Intervention and Trunkline Installation Activity are outlined in **Table 2**.

Table 2 - Summary of key risks and/or impacts and preliminary management measures for the Scarborough Seabed Intervention and Trunkline Installation Activity

Potential Impact/Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Planned			
Physical presence and interactions with other marine users	<ul style="list-style-type: none"> Several vessel types will be required to complete the activity, including a Trailing Suction Hopper Dredge (TSHD), Rock Installation Vessel (RIV), Pipelay Vessel (PV), Offshore Construction Vessel (OSV) and other support and survey vessels. Vessels will not usually anchor within the Operational Area. The physical presence and movement of project vessels within the Operational Area has the potential to displace other marine users. Vessels will typically be moving continually, PV will move at a rate of around 3 km per day. Helicopters will be used to transport personnel. Transport will occur on a regular basis, potentially with multiple flights per day for larger vessels such as the PV, and up to six days a week. The activity may not be executed as a single campaign or in a consecutive sequence. 	<ul style="list-style-type: none"> Fishing vessels will not be excluded from the entire Operational Area for the total duration of the Scarborough Seabed Intervention and Trunkline Installation Activity. Displacement of fishing activities will be temporary and have no lasting effect. Impact to commercial shipping is limited to the temporary presence of activity vessels. Several Australian Maritime Safety Authority (AMSA) marine fairways intersect with the Operational Area. The presence of vessels and exclusion zones around them, will be limited to specific areas of the Operational Area at any one time, therefore resulting in a minor interference and localised displacement/avoidance by shipping. Potential impacts to tourism and recreational activities would likely be a minor interference (i.e. navigational hazard) and temporary, localised displacement/avoidance. Several oil and gas facilities are located in proximity to the Operational Area. Activities associated with the physical presence of vessels may result in localised, short-term interference to industry vessels requiring minor course alteration or readjustment in asset management. 	<ul style="list-style-type: none"> Vessels adhere to regulatory requirements for navigational safety. Establish temporary 500 m exclusion zones around applicable vessels which are communicated to marine users. Notify relevant government departments, fishing industry representative bodies and licence holders of activities prior to commencement and upon completion of activities. Notify the Australian Hydrographic Service (AHS) prior to commencement of the activity to enable them to update maritime charts, so that marine users are aware of the activity. Consult with relevant persons so that they are informed of the proposed activities.

¹ This EP is currently under assessment – these mitigation and management measures are subject to change through the consultation and assessment process and may not represent content in the publicly available EP or in the final plan once accepted.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Physical presence – seabed disturbance (trenching, spoil disposal, borrow ground dredging and trunkline backfill)	<ul style="list-style-type: none"> To help stabilise the trunkline, seabed trenching and sand back-fill over the trunkline will occur no further than 50 km offshore. Spoil from trenching will be placed in an existing spoil ground, consistent with a Sea Dumping Permit (SD2019/3982). Sand for trunkline backfill will be sourced from an offshore borrow ground area with dredging and backfill activities being carried out by a TSHD. 	<ul style="list-style-type: none"> Seabed disturbance has the potential to result in change in habitat, water quality and sediment quality, which may in turn affect fauna. Water quality change occurs when seabed sediments enter the water column (turbidity). Turbidity may occur during an activity which requires contact with, or occurs in proximity to, the seabed. After a period, the suspended sediments settle and the turbidity in the water column returns to pre-disturbance levels. The mobilisation of sediments along the trunkline during trenching and installation, and during borrow ground dredging activities may alter the seabed habitats over which the activities occur, resulting in community changes. Given the habitats likely to be present along the trunkline and within the borrow ground area, and the temporary nature of the elevations in turbidity, the potential impacts from seabed disturbance on epifauna and infauna is considered to be slight. Sediment dispersion modelling has indicated indirect impacts to coral habitat of the Dampier Archipelago are not predicted from seabed intervention activities in Commonwealth waters. Seabed disturbance is not expected to impact adversely on biologically important behaviours or biologically important habitat of marine turtles, including habitat critical to survival. Displacement of individuals from areas utilised as foraging habitat will not result in significant impacts at a population level. The project area has been subject to ethnographic surveys, which have found no cultural heritage values that will be affected by the development. Sediment dispersion modelling has indicated that detectable water quality changes are not predicted within the National Park Zone (II) of the Dampier Australian Marine Park (AMP). 	<ul style="list-style-type: none"> Comply with Sea Dumping Permit so that dredged material isn't placed outside approved spoil ground and bathymetric survey of the disposal sites is undertaken as required. Implement the water quality monitoring program and Tiered Monitoring and Management Framework to manage water quality associated with Commonwealth dredging, spoil disposal and backfill activities to avoid reversible impacts to coral communities as the most sensitive receptor in Mermaid Sound and sponges in the offshore waters. Implement 250 m buffer zone between the offshore borrow ground and the Dampier Australian Marine Park (AMP). TSHD draghead will be positioned within approved footprints prior to and during trenching, borrow ground dredging and backfill activities. TSHD controls in place to minimise to sediment loss from the dredge.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Physical presence – seabed disturbance (Intervention and Trunkline Installation)	<ul style="list-style-type: none"> Seabed disturbance may result from: <ul style="list-style-type: none"> Trunkline and ancillary structure(s) installation, Pipeline and infrastructure crossings; and Other intervention works such as continental slope excavation, PLET and foundation installation and Remotely Operated Vehicle (ROV)/survey activities. 	<ul style="list-style-type: none"> Seabed disturbance has the potential to result in change in habitat, water quality and sediment quality, which may in turn affect fauna. However, impacts from seabed disturbance will be highly localised and temporary in nature. The mobilisation of sediments along the trunkline during installation, and placement of infrastructure may alter the seabed habitats over which the activities occur, resulting in epifauna and infauna community changes. The potential impacts from seabed disturbance on epifauna and infauna is considered to be slight based on the localised footprint of disturbance and temporary nature of the elevations in turbidity. It is unlikely interesting turtles will occur in the Trunkline Project Area near the Montebello Islands, and seabed disturbance adjacent to the Dampier Archipelago is not expected to impact adversely on biologically important behaviours or biologically important habitat, including habitat critical to the survival of marine turtles. The project area has been subject to ethnographic surveys which have found no cultural heritage values will be affected by the development. Impacts from seabed disturbance within the Montebello Australian Marine Park (AMP) are considered to be minor and are not inconsistent with the objectives of the North-West Marine Parks Network Management Plan or the zoning of the Montebello AMP. Impacts to Key Ecological Features (KEFs) are considered to be minor as the disturbance will occur in a small proportion of each of the KEFs and avoids important or substantial areas of habitat, including hard substrates of the Ancient Coastline at 125 m Depth Contour KEF. 	<ul style="list-style-type: none"> Infrastructure will be placed on the seabed within the predefined design footprint using positioning technology to limit seabed disturbance. Design for the continental slope crossing is engineered to minimise seabed excavation. Excavated material for the continental slope crossing will be placed in designated areas near the trench to limit seabed disturbance. If rock placement test dumps are required, they will be conducted within the indicative 30 m trunkline corridor to limit the seabed disturbance. No planned temporary placement of equipment on the seabed will occur within the Montebello AMP Additional analysis of seabed mapping data of the outer shelf area to identify archaeological values, and conduct significance, impact and mitigation assessments required for new values identified.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Light emissions	<ul style="list-style-type: none"> Project vessels will use external lighting to navigate and conduct safe operations at night. Vessel lighting will also be used to communicate vessels' presence to other marine users (i.e. navigation/warning lights). The activity may not be executed as a single campaign or in a consecutive sequence, therefore light emissions may occur at any time during the period of the EP. Once the activities are completed, no permanent ongoing project lighting will occur in these locations. 	<ul style="list-style-type: none"> Light emissions can affect fauna (such as marine turtles and birds) in two main ways: <ol style="list-style-type: none"> Behaviour: artificial lighting has the potential to create a constant level of light at night that can override natural levels and cycles. Orientation: if an artificial light source is brighter than a natural source, the artificial light may override natural cues, leading to disorientation. Light emissions from project vessels are unlikely to result in more than localised, behavioural disturbance to isolated transient marine turtle individuals, with no lasting effect to the species. The distance between turtle nesting beaches and the Operational Area at the closest point (6.6 km to Legendre Island and >10 km to closest nesting beach on Legendre Island and 14 km to Rosemary Island) are greater than the zone where behavioural impacts from vessel lighting are possible. Therefore, impacts to nesting female turtles, including discouraging females from nesting, or affecting nest site selection and sea-finding behaviour, are not predicted, and females are not expected to be displaced from nesting habitat. Potential impacts to seabirds and migratory shorebirds are expected to be localised within the vicinity of vessels. It is highly unlikely adult nocturnal seabird foraging will be disturbed given the localised light emissions from activity vessels. Direct lighting impacts to diurnal seabirds on the islands of the Dampier Archipelago are not expected based on the maximum extent of lighting emissions from the modelling and behaviour of diurnal seabirds as they roost on islands and mainland habitat from dusk to dawn. For activities occurring within the Montebello Marine Park, and adjacent to the Dampier Marine Park, the short-term and transient nature of activities associated with vessel light emissions will not be inconsistent with the objectives of the management plan for the North-West Marine Park Network. 	<ul style="list-style-type: none"> Lighting will be limited to the minimum required for navigation and safety requirements except in emergency circumstances. Implement the Woodside Seabird Management Plan. Relevant crew will be trained in light reduction measures when operating within 20 km of Islands between December and April. Crew transfers which require direction of floodlights outside the vessel will preferentially occur during daylight hours, when vessels are within 20 km of islands between December and April.
Atmospheric emissions and greenhouse gas (GHG) emissions	<ul style="list-style-type: none"> Atmospheric Emissions and Greenhouse Gas (GHG) Emissions 	<ul style="list-style-type: none"> Emissions from project vessels could result in temporary, localised reductions in air quality in the immediate vicinity of the vessels. Although the Offshore Borrow Ground Project Area and part of the Trunkline Project Area are located closer to the shore, they remain in open ocean and well-removed from nearest residential or sensitive populations of the Western Australian coast. Given the short duration and exposed location of project vessels, low volumes of atmospheric emissions will be dispersed rapidly, therefore biodiversity, ecological integrity, social amenities and human health will not be impacted. Given the nature and scale of GHG emissions from vessel fuel usage for this activity, the potential GHG impact and risk from this activity is considered negligible. 	<ul style="list-style-type: none"> Comply with regulatory requirements for marine air pollution and GHG emissions reporting. Vessel operations planned, where practicable, to minimise fuel consumption and associated GHG/air emissions. Fuel types will be selected to reduce expected GHG emissions. Project vessels will not use heavy fuel oil (HFO) or intermediate fuel oil (IFO) Contractors engaged on energy/GHG emissions efficiencies and opportunities identified and implemented where reasonably practicable. Track and review GHG emissions during the activity with the objective to identify further opportunities to improve efficiencies.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Routine acoustic emissions	<ul style="list-style-type: none"> Project vessels will generate noise in the air and underwater due to the operation of thruster engines, propellers, and on-board machinery etc. Underwater noise may also be generated by geophysical sources during surveys, positioning equipment (transponders), Dynamic Positioning (DP) systems on vessels, and helicopters. 	<ul style="list-style-type: none"> Elevated underwater noise can affect marine fauna, including marine mammals, turtles and fish in three main ways: <ol style="list-style-type: none"> By causing direct physical effects, including injury or hearing impairment. Hearing impairment may be temporary or permanent. Through disturbance leading to behavioural changes or displacement from important areas. The occurrence and intensity of disturbance is highly variable and depends on a range of factors relating to the animal and situation. By masking or interfering with other biologically important sounds (including vocal communication, echolocation, signals and sounds produced by predators or prey). It is not credible that permanent and temporary thresholds would be exceeded for pygmy blue whales transiting through the Operational Area during migration seasons. Vessel related activities occurring within the migration Biologically Important Areas (BIAs) during migration seasons for pygmy blue whales and humpback whales, may result in a behavioral response from individuals or groups of whales transiting in proximity to vessels. Marine turtles within the Operational Area are expected to be transient and unlikely to remain within 150 m of the vessels for 24-hours, and therefore permanent and temporary thresholds are not expected to be reached. Behavioural impacts to marine turtles from continuous noise sources are expected to be short-term and localised. Potential impacts from acoustic emissions on fish, sharks and rays are likely to be restricted to localised and temporary avoidance behaviour, and individuals impacted are unlikely to represent a significant proportion of the population within the Operational Area and the region overall. 	<ul style="list-style-type: none"> Comply with regulatory requirements for interactions with marine megafauna to prevent adverse interactions. The use of trained vessel crew to carry out observations for marine megafauna on relevant primary installation vessels. Limit the number of pipe supply vessels using DP alongside the pipelay vessel during certain times of the year and at certain locations, based on the likelihood of pygmy blue whale encounter. Manage vessel speed in the humpback whale and pygmy blue whale BIAs during migratory seasons within the Operational Area to minimise vessel noise. Periodic inspection and/or maintenance to ensure optimal performance to minimise extraneous noise emissions of critical equipment onboard relevant primary installation vessels.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Routine and non-routine discharges – project vessels and seabed intervention	<ul style="list-style-type: none"> Sewage, greywater and macerated food waste will be discharged from project vessels, Bilge water, deck drainage and brine and cooling water may also be discharged. Cement and grout from seabed intervention activities may be discharged. 	<ul style="list-style-type: none"> The main impact associated with ocean disposal of sewage and other organic wastes (i.e. putrescible waste) is eutrophication. Eutrophication occurs when the addition of nutrients, such as nitrates and phosphates, causes adverse changes to the ecosystem including short-term, localised impacts to water quality. Impacts on water quality will have no lasting effect due to the transient nature of vessels, high level of dilution with little continuous discharge in a stationary location. Cement discharges can result in turbidity in the water column. Reduction in water quality will be temporary (limited to the cement operational discharges) and due to small volumes are likely to be subject to rapid dispersion and dilution by prevailing currents. It is possible marine fauna transiting the localised area may come in contact with vessel discharges. While the likely presence of marine fauna varies at different times of the year depending on migration, foraging and breeding patterns in the region, the potential for impact remains low due to the localised nature of discharges and rapid dilution. Planktonic productivity in the North-West Marine Region is low. No significant impacts from the planned routine discharges are expected because of the minor quantities involved, the expected localised mixing zone, and high level of dilution into the open water marine environment. Impacts to plankton from greywater, sewerage or brine and cooling water discharges are not expected. 	<ul style="list-style-type: none"> Marine discharges will be managed according to regulatory requirements. Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints and approved through the Woodside chemical assessment process. Project vessels (excluding PV) operating in the Montebello Marine Park will avoid making vessel discharges of sewage, greywater and food waste, until outside the Montebello Marine Park Multiple Use Zone, unless vessel safety is compromised.
Unplanned			
Unplanned hydrocarbon release – vessel collision	<ul style="list-style-type: none"> Project vessels will use marine diesel fuel, meaning a vessel collision involving a project vessel or third-party during the activity may result in the release of marine diesel. For a collision to result in the worst-case scenario diesel release, several factors must occur as follows: <ul style="list-style-type: none"> Identified causes of vessel interaction must result in a collision. The collision has enough force to penetrate the vessel hull and in the exact location of the fuel tank. The fuel tank must be full or at least of volume which is higher than the point of penetration. 	<ul style="list-style-type: none"> Marine diesel is a relatively volatile, non-persistent nature hydrocarbon with up to 35% evaporating within the first 24 hours. Potential impacts across the EMBA were assessed including receptors such as plankton, mangroves, seabirds and migratory shorebirds, saltmarshes, coral, tourism, recreation and cultural heritage (for example). Taking into account receptor sensitivity, the highest consequence rating for this unplanned event was 'Major' for potential change in coral habitat. Other receptors were rated as having a potential consequence level of 'Minor' or less (Slight or Negligible). 	<p>Preventing vessel collision:</p> <ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements. Consult with relevant persons so that other marine users are informed and aware, reducing the likelihood of a collision. Notify relevant government departments, fishing industry representative bodies and licence holders of activities prior to commencement and on completion of activities. Notify the Australian Hydrographic Service (AHS) prior to commencement of the activity to enable them to update maritime charts, so that marine users are aware of the activity. Establish temporary exclusion zones around vessels which are communicated to marine users to reduce the likelihood of collision. Develop a management plan for simultaneous operations when working in vicinity of other Woodside operations/activities. <p>Spill response arrangements:</p> <ul style="list-style-type: none"> Develop a project specific Oil Pollution Emergency Preparation document (OPEP) including first strike response plan. Arrangements supporting the Oil Pollution Emergency Preparation document (OPEP) will be tested to ensure the OPEP can be implemented as planned. Emergency response activities would be implemented in line with the OPEP.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned hydrocarbon release – bunkering	<ul style="list-style-type: none"> Accidental loss of hydrocarbons to the marine environment during bunkering/refueling may occur, caused by partial or total failure of a bulk transfer hose, or fittings due to operational stress, or other integrity issues. 	<ul style="list-style-type: none"> The marine diesel surface release is expected to be confined to within several kilometers of the release site, and well within the EMBA identified for the vessel collision scenario. An unplanned marine diesel release has the potential to result in changes in water quality and fauna behaviour. Receptors considered in the risk assessment for this unplanned event included marine mammals, marine reptiles, fish, sharks, and rays. Receptors were rated as having a potential consequence level of slight or negligible due to the low spill volume and characteristics of the fuel oil which is largely non-persistent. 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements. Appropriate bunkering equipment kept and maintained. Comply with contractor procedures for management of bunkering/refueling operations to reduce the likelihood of a spill occurring. Preference for PV to avoid refueling in the Montebello Marine Park Multiple Use Zone. No other project vessels to be refueled in this zone. <p>Spill response arrangements:</p> <ul style="list-style-type: none"> Maintain and locate spill kits in proximity to hydrocarbon storage and deck areas for use to contain and recover deck spills. <p>Arrangements supporting the Oil Pollution Emergency Preparation document (OPEP) will be tested so that the OPEP can be implemented as planned.</p> <ul style="list-style-type: none"> Emergency response activities would be implemented in line with the OPEP.
Unplanned discharge – deck and subsea spills	<ul style="list-style-type: none"> Accidental discharge of hydrocarbons/chemicals from project vessels' deck activities and equipment, and from subsea ROV hydraulic leaks. 	<ul style="list-style-type: none"> Unplanned discharges of non-process chemicals and hydrocarbons may decrease the water quality in the immediate vicinity of the release. Only small volumes (<50 L) are anticipated, resulting in very short-term impacts to water quality, and limited to the immediate release location. As a result of a change in water quality, further impacts to receptors may occur, however impacts to marine fauna are expected to be limited to temporary irritation of sensitive membranes to individuals and are considered negligible. 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution. Liquid chemical and fuel storage areas are bunded or secondarily contained when they are not being handled/moved temporarily. Spill kits positioned in high-risk locations around the vessel (near potential spill points such as transfer stations). Implement waste management procedures which provide for safe handling and transportation, segregation and storage and appropriate classification of all waste generated. Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints and approved through the Woodside chemical assessment process.
Unplanned discharge of solid hazardous, non-hazardous solid waste/equipment	<ul style="list-style-type: none"> Accidental, unplanned loss of hazardous or non-hazardous solid wastes/equipment to the marine environment may occur if dropped or blown overboard. 	<ul style="list-style-type: none"> The potential impacts of hazardous or non-hazardous solid wastes and equipment accidentally discharged to the marine environment include contamination of the environment as well as secondary impacts relating to potential contact of marine fauna with wastes. The temporary or permanent loss of waste materials/equipment into the marine environment is not likely to have a significant environmental impact, based on the location of the Operational Area, the types, size and frequency of wastes that could occur, and species present. 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution and handling of hazardous wastes. Implement waste management procedures to enable the safe handling and transportation, segregation and storage and appropriate classification of waste generated. Solid waste/equipment dropped to the marine environment will be recovered where safe and practicable to do so.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned seabed disturbance	<ul style="list-style-type: none"> Unplanned disturbance to seabed may occur if the activities in the Operational Area are carried out outside of the design footprint i.e. trenching, spoil disposal and backfill activities outside designated areas or dredging outside of the Offshore Borrow Ground Project Area. Dropped objects may also result in unplanned disturbance of benthic habitat contingent activities such as trunkline abandonment and temporary mooring could also result in unplanned seabed disturbance. 	<ul style="list-style-type: none"> Unplanned seabed disturbance may result in localised changes to water and sediment quality or a localised temporary impact to benthic communities. Potential impacts to KEFs which intersect the Operational Area of the activity are limited to the footprint of a dropped object, resulting in potential highly localised and temporary change in habitat. The offshore borrow ground dredging will occur adjacent to the Dampier Marine Park. A planned 250 m buffer is in place. Should dredging occur outside the designated areas, it is not anticipated to be at a significant distance and impacts will remain within this buffer zone (i.e. seabed disturbance will not be within the Dampier Marine Park). 	<ul style="list-style-type: none"> Comply with the Sea Dumping Permit, including disposing of dredged material in the designated disposal site. Designated 'No dredge' out of zone alarms will be installed and used on the dredging vessel navigation system. Implement 250 m buffer zone between the offshore borrow ground and the Dampier AMP. Infrastructure placed on the seabed within the predefined design footprint using positioning technology to limit seabed disturbance. The trunkline touchdown point monitored during operations so that the trunkline is installed correctly. All lifts, bulk transfers and cargo loading conducted in accordance with applicable vessels' work procedures to limit potential for dropped objects, with dropped object prevention awareness provided to vessel crew. Different rigging designs assessed to reduce likelihood of dropped pipe from issues such as sling slippage and will consider the use of spreader bars. Lifting activities between vessels to be carried out in accordance with requirements of third-party crossing agreement/permitting. Objects dropped to the marine environment to be recovered, where safe and practicable to do so.
Unplanned interaction with marine fauna	<ul style="list-style-type: none"> Vessel movements have the potential to result in collisions between the vessel (hull and propellers) and marine fauna. The factors contributing to the frequency and severity of impacts due to collisions vary greatly due to vessel type, vessel operation (specific activity, speed), physical environment (e.g. water depth) and the type of animal potentially present and their behaviours. This activity presents an unlikely risk of accidental entrainment of marine fauna from pre-lay trenching and dredging in offshore borrow ground area, and accidental smothering/burial of marine fauna from spoil disposal and backfill. 	<ul style="list-style-type: none"> The risk of vessel collision with marine mammals is present year-round but is elevated seasonally for species such as humpback whales and pygmy blue whales during migration periods and within migration BIAs. Whilst a portion of the Operational Area overlaps the humpback whale migration BIA in the NWMR, this overlap represents a very small proportion of the overall area of the BIA (0.22%). Given this limited spatial overlap with the humpback whale migration BIA, the short duration of activities within the Operational Area, and the slow speeds at which project vessels operate (required to be 10 kn or less), collisions with humpback whales are considered highly unlikely. It is expected marine turtles will respond to vessel presence by avoiding the immediate vicinity of the vessels, and combined with low vessel speed, this will reduce the likelihood of a vessel-turtle collision or entrainment during dredging activities. In addition, activities within sensitive turtle areas (BIAs and critical habitat) will be conducted over a period of months, further reducing the potential for impact at the individual and population level. It is expected whale shark presence within the Operational Area would not comprise significant numbers and their presence would be transitory and of short duration. Given the short duration of activities within the Operational Area and the slow speeds at which project vessels operate, vessel collisions with whale sharks are considered highly unlikely. 	<ul style="list-style-type: none"> Comply with regulatory requirements for interactions with marine megafauna. Comply with Sea Dumping Permit to reduce the likelihood of interaction with marine megafauna during spoil disposal. Installation of turtle deflection chains in front of the dredge vessel drag head to reduce likelihood of entrainment. Use of trained vessel crew as Marine Fauna Observers on relevant vessels while operating in the pygmy blue whale migration BIA during migration periods. Management of vessel speed in the humpback and pygmy blue whale BIAs in migration seasons within the Operational Area (excluding Pilbara Port). During daylight hours, trained vessel crew onboard the dredge will visually assess marine megafauna and specified observation and exclusion zones will be adhered to during dredging and spoil disposal. Project vessels will not travel greater than 6 kn within 100 m of a turtle (observation zone) and not approach closer than 50 m. If a turtle shows signs of disruption, project vessels will immediately withdraw from the observation zone at a constant speed of less than 6 kn. At completion of dredge run (i.e. fill of hopper), stop dredge pumps as soon as practicable after the dredge drag head is lifted from the seafloor to reduce the likelihood of impact to turtles.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Accidental Introduction of invasive marine species (IMS)	<ul style="list-style-type: none"> Vessels for the activity may be transiting to and from the Operational Area from local ports (i.e. Dampier), or from interstate or international waters. IMS could be present as biofouling on the vessel hull or on immersible equipment and could be translocated to the Operational Area and transferred directly to the seafloor or subsea structures where they could establish. Organisms can also be drawn into ballast tanks during onboarding of ballast water as cargo is loaded or to balance vessels under load. 	<ul style="list-style-type: none"> The deeper offshore open waters of the Operational Area are not conducive to the settlement and establishment of IMS. The Trunkline Project Area and Offshore Borrow Ground Project Area in shallower waters (30 – 40 m) present a slightly increased risk of IMS establishment, however, IMS require hard substrate/features on the seabed to attach to, none of which is present within the Operational Area. Therefore, the risk of establishment, whilst credible, is remote. Given the low likelihood of IMS translocation to and colonisation within the Operational Area, project activities are unlikely to result in establishment of IMS, and as such will not adversely affect other marine user activities in the region. 	<ul style="list-style-type: none"> Ballast water and biofouling will be managed according to regulatory requirements, including the Australian Ballast Water Management Requirements, and the Australian Biofouling Management Requirements, as applicable. Woodside's IMS risk assessment process will be applied to project vessels and immersible equipment entering the Operational Area.

Feedback

If you would like to comment on the proposed activities outlined in this information sheet, or would like additional information, please contact Woodside before **17 February 2023** via:

E: Feedback@woodside.com.au
Toll free: 1800 442 977

You can subscribe on our website to receive Consultation Information Sheets for proposed activities: **www.woodside.com/sustainability/consultation-activities**.

Please note that stakeholder feedback will be communicated to the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) as required under legislation. Woodside will communicate any material changes to the proposed activity to affected stakeholders as they arise.

Please note that your feedback and our response will be included in our Environment Plan for the proposed activity, which will be submitted to NOPSEMA for acceptance in accordance with the *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cth)*.

Please let us know if your feedback for this activity is sensitive and we will make this known to NOPSEMA upon submission of the Environment Plan in order for this information to remain confidential to NOPSEMA.

WA-61-L SCARBOROUGH DRILLING AND COMPLETIONS

CARNARVON BASIN, NORTH-WEST AUSTRALIA

Woodside is planning to conduct drilling and completions activities in accordance with the Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cth). The Petroleum Activities Program is located in Permit Area WA-61-L in Commonwealth waters, about 374 km west-northwest of Dampier, Western Australia.

The activity is planned to occur anytime within a five-year window commencing in late H2 2023, pending approvals. Relevant stakeholders will be advised of the timing once determined.

The WA-61-L Scarborough Drilling and Completions Environment Plan (EP) will cover drilling and subsea tree installation activities for eight planned development wells and the potential for a further two additional contingency wells. Woodside may also need to intervene, workover or re-drill the wells. Subsea inspection, monitoring, maintenance and subsea infrastructure repair activities may also be undertaken.

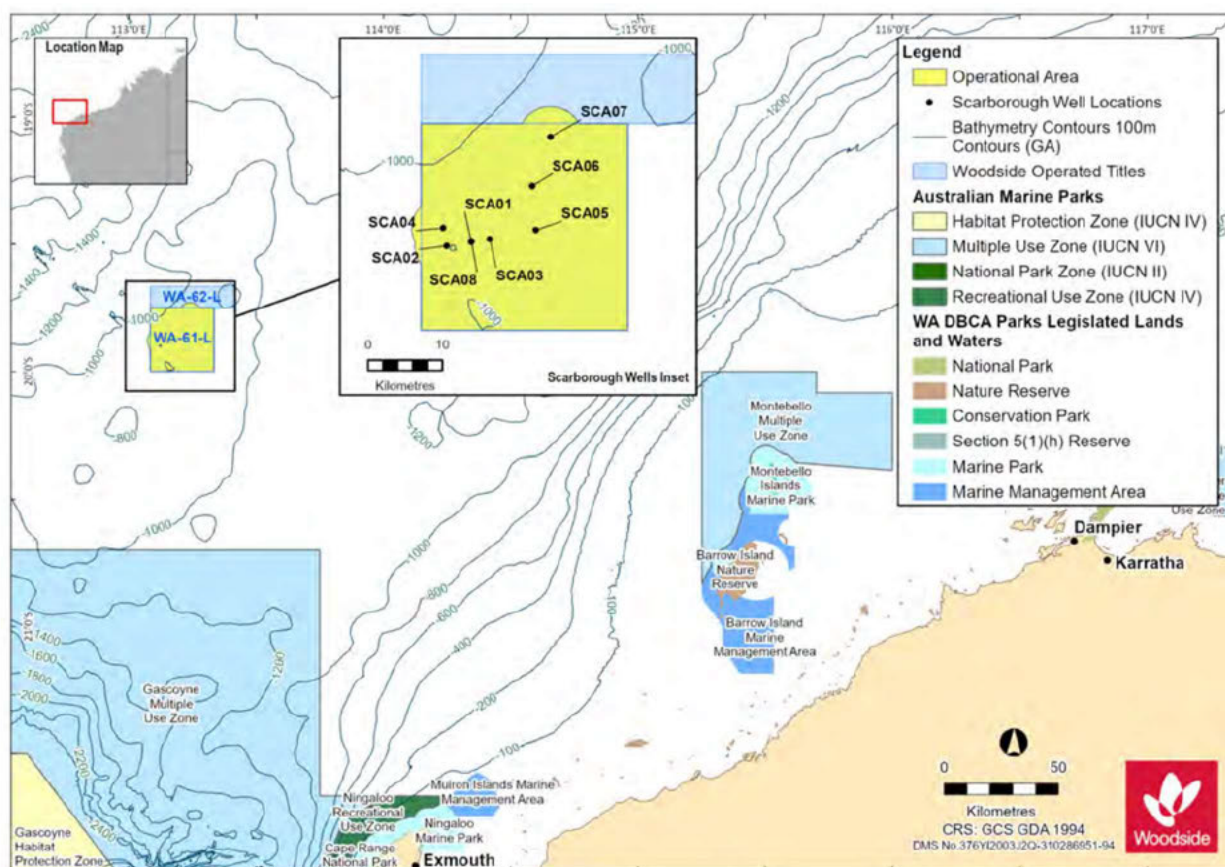


Figure 1. Proposed Scarborough Drilling and Completions Operational Area.

Proposed activity

Table 1 – Activity summary

Activity	Details
Earliest commencement date	H2 2023 pending approvals, vessel availability and weather constraints
Estimated duration	50-60 days per well
Operational Area	4,000 m for moored mobile offshore drilling unit (MODU), 500 m for dynamically positioned mobile offshore drilling unit (DPMODU)
Water depth in Operational Area	Approximately 900 m – 955 m
MODU	DPMODU with contingency for moored MODU, depending on availability and suitability for the development well locations and to allow options for relief well drilling.
Project Vessels	<ul style="list-style-type: none"> • Installation vessels for installing the subsea infrastructure, • Light well intervention vessel as an option for well intervention, subsea hardware installation or contingent activities. • Support vessels including installation vessel(s), anchor handling vessel(s) and general supply/support vessels.
Distance from Operational Area to nearest port/marina	244 km north-northwest of Exmouth, 374 km west-northwest of Dampier
Distance from Operational Area to nearest marine park	<ul style="list-style-type: none"> • 83 km north of the Gascoyne Marine Park (Cwlth) • 206 km north-west of Montebello Marine Park (Cwlth) • 208 km north-northwest of Ningaloo Marine Park (Cwlth)

Drilling and completions for the development wells is expected to take approximately 50-60 days per well to complete. Subsea inspection, monitoring, maintenance and repair activities may be conducted intermittently and over short durations in the immediate vicinity of installed subsea infrastructure. Activities will be conducted 24 hours per day, seven days per week. Timing and duration of these activities is subject to change due to project schedule requirements, drill rig and vessel availability, weather and unforeseen circumstances. Technical details are outlined in Table 2.

Project vessels

Woodside is currently considering rig options for drilling of the wells, which include a moored semi-submersible MODU, a dynamically positioned drill ship or a DPMODU. Dynamic positioning is a computer-controlled system to automatically maintain a vessel or rig's position and heading by using its own propellers and thrusters. Typically, two or three vessels will support drilling activities, with at least one vessel in the vicinity to complete standby duties, if required. Supply vessels will visit the selected MODU/drill ship at regular intervals. A subsea installation vessel will be used for the installation of the subsea infrastructure, with support from additional dedicated vessels. Support vessels are also required for inspection, monitoring, maintenance and repair activities.

Communications with mariners

A petroleum safety zone of 500 m will be in place around the MODU and installation vessel for the duration of activities. The following Operational Areas will also apply:

- DPMODU/drillship – 500 m radius from each well centre
- Moored MODU – 4,000 m radius from each well centre.
- Installation vessel – 1,500 m radius around subsea locations

Marine notices will be issued prior to activity commencement to alert vessels which may be operating in waters nearby.

Proposed locations

Approximate development well locations for the eight planned wells are provided in Table 2. In the event the two additional contingency wells are installed, they will be also be in WA-61-L, with all activities undertaken within the relevant Operational Area.

Implications for stakeholders

Woodside will consult relevant stakeholders whose interests, functions, and activities may be affected by the proposed activities. We will also keep informed other stakeholders who have an identified interest in the planned activities. Woodside has undertaken an assessment to identify potential risks to the marine environment and relevant stakeholders, considering timing, duration, location and potential impacts arising from the drilling, construction and installation activities. This EP approval falls under the primary environmental approval of the Scarborough Offshore Project Proposal (OPP) and will be conducted in line with relevant requirements of the OPP. A number of mitigation and management measures will be implemented and are summarised in Table 3.

About Scarborough

The Scarborough gas resource is located offshore, approximately 375 km west-northwest of the Burrup Peninsula and is part of the Greater Scarborough gas fields which are estimated to hold 13.0 Tcf (2C, 100%) of dry gas.

Woodside, as operator of the Scarborough Joint Venture, is proposing to develop the Scarborough gas resource through new offshore facilities connected by an approximately 430 km pipeline to a proposed expansion of the existing Pluto LNG onshore facility (Pluto Train 2).

For more information about the proposed Scarborough development, visit woodside.com.

Table 2 – Proposed well locations

Activity	Water Depth (Approx. m LAT)	Latitude	Longitude	Permit Area
New development wells				
SCA01 well	910	19° 53' 30.499" S	113° 08' 43.568" E	WA-61-L
SCA02 well	912	19° 53' 48.471" S	113° 06' 55.261" E	WA-61-L
SCA03 well	912	19° 53' 18.551" S	113° 10' 03.300" E	WA-61-L
SCA04 well	918	19° 52' 30.359" S	113° 06' 41.412" E	WA-61-L
SCA05 well	918	19° 52' 38.718" S	113° 13' 24.437" E	WA-61-L
SCA06 well	902	19° 49' 27.763" S	113° 13' 08.300" E	WA-61-L
SCA07 well	907	19° 45' 52.900" S	113° 14' 27.449" E	WA-61-L
SCA08 well	909	19° 53' 27.254" S	113° 08' 43.647" E	WA-61-L
Contingent wells		Within permit area WA-61-L		

Environment That May Be Affected (EMBA)

The environment that may be affected (EMBA) is the largest spatial extent where the Scarborough Drilling and Completions Activity could potentially have an environmental consequence (direct or indirect impact). The broadest extent of the EMBA takes into consideration planned and unplanned activities, and for this EP is determined by a highly unlikely release of marine diesel to the environment as a result of vessel collision. This is depicted in Figure 2.

The EMBA does not represent the extent of predicted impact of the highly unlikely marine diesel release. Rather, the EMBA represents the merged area of many possible paths a highly unlikely hydrocarbon release could travel depending on the weather and ocean conditions at the time of the release.

This means in the highly unlikely event a hydrocarbon release does occur, the entire EMBA will not be affected and the specific and minimal part of the EMBA that is affected will only be known at the time of the release.

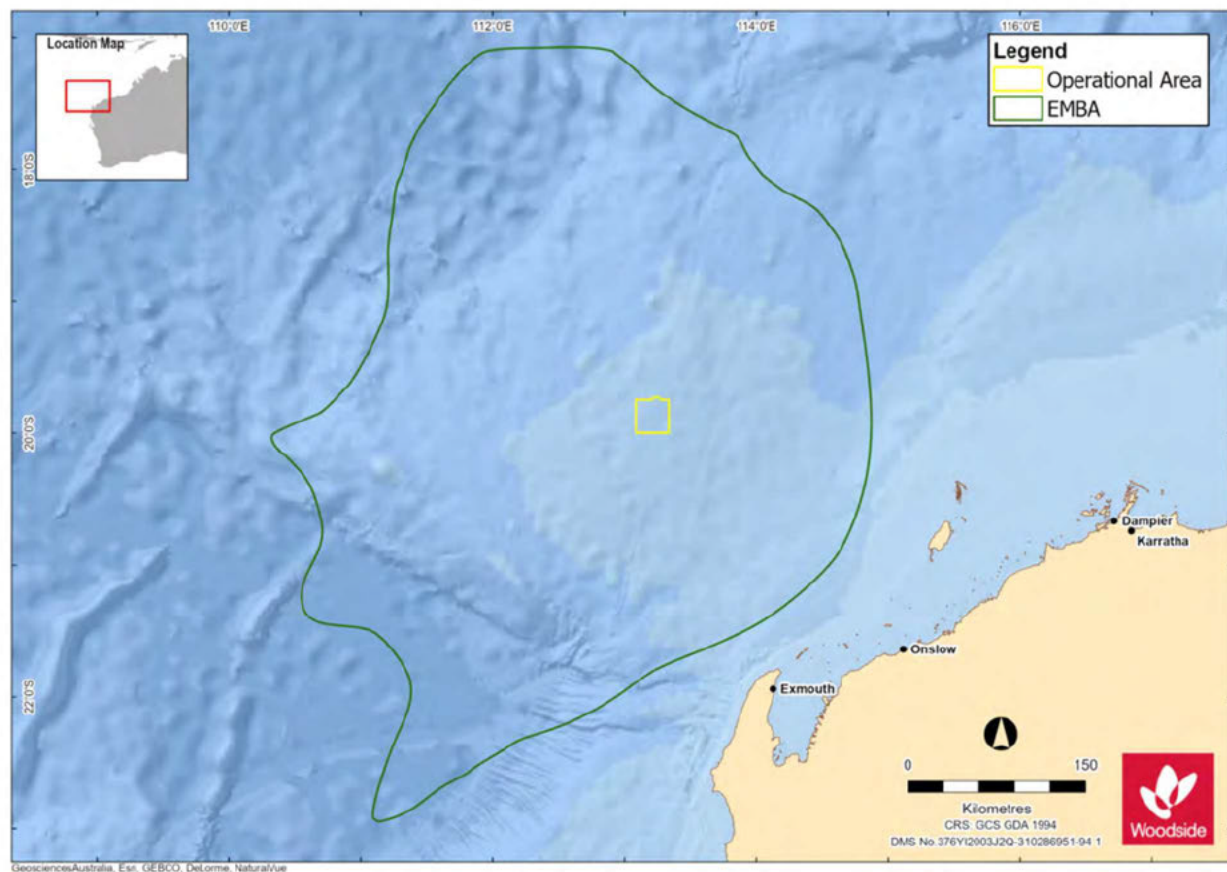


Figure 2. Environment that May Be Affected by the Scarborough Drilling and Completions Activity.

Mitigation and management measures

Woodside has undertaken an assessment to identify potential impacts and risks to the environment arising from the Scarborough Drilling and Completions Activity.

A number of mitigation and management measures for the Scarborough Drilling and Completions Activity are outlined in **Table 3**.

Table 3 – Summary of key risks and/or impacts and preliminary management measures for the Scarborough Drilling and Completions Activity

Potential Impact/Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Planned			
External lighting on the MODU and project vessels	<ul style="list-style-type: none"> Project vessels and the Mobile Offshore Drilling Unit (MODU) will use external lighting to navigate and conduct safe operations at night. Vessel lighting will also be used to communicate the MODU and vessel presence to other marine users (i.e. navigation/warning lights). Light may also be emitted from flaring during well unloading. 	<ul style="list-style-type: none"> Light emissions can affect fauna (such as marine turtles and birds) in two main ways: <ol style="list-style-type: none"> Behaviour: artificial lighting has the potential to create a constant level of light at night that can override natural levels and cycles. Orientation: if an artificial light source is brighter than a natural source, the artificial light may override natural cues, leading to disorientation. Given the distance from shore >215 km from the North West Cape), low sensitivity of receptors offshore (i.e., no presence of nesting turtles and low likelihood of hatchling turtles in the offshore environment), and the negligible contribution of light emissions to the environment from the activity, light emissions to marine turtles are unlikely to result in more than slight, localised behavioural disturbance to isolated transient individuals, with no lasting effect to the species. As the Operational Area is offshore and away from islands or other emergent features, presence of seabirds or shorebirds is considered likely to be of a transient nature only. Behavioural disturbance to birds from light is expected to be localised to within the vicinity of the MODU and vessels, and will not seriously disrupt the lifecycle of an ecologically significant proportion of migratory birds. 	<ul style="list-style-type: none"> Lighting limited to the minimum required for navigational and safety requirements, except for emergency events. Flaring restricted to a duration necessary to achieve the well objectives, eliminating unnecessary flared volumes and corresponding light emissions.
Atmospheric emissions and greenhouse gas (GHG) emissions	<ul style="list-style-type: none"> Atmospheric emissions and GHG emissions will be generated by the project vessels and MODU from internal combustion engines and incineration activities. Well flowback if carried out, will result in flaring and/or venting of hydrocarbons. Contingent venting of gas during drilling in the unplanned event of a well-kick will also result in release of some GHG emissions. 	<ul style="list-style-type: none"> Emissions from project vessels and MODU could result in temporary, localised reductions in air quality in the immediate vicinity. Given the offshore location of the activity, and the low volumes of atmospheric emissions which will be generated, biodiversity, ecological integrity, social amenities and human health will not be impacted and potential impact to air quality is considered negligible. Given the nature and scale of GHG emissions from vessel and MODU fuel usage for this activity, the potential GHG impact and risk from this activity is considered negligible. 	<ul style="list-style-type: none"> Comply with regulatory requirements for marine air pollution and GHG emissions reporting. Vessel speed will be managed to reduce fuel consumption where practicable. Wells drilled in compliance with the accepted Well Operations Management Plan (WOMP), including implementation of barriers to prevent loss of well integrity. Flaring restricted to a duration necessary to achieve the well objectives, eliminating unnecessary flared volumes and corresponding GHG emissions. Assess opportunities to eliminate well flowback flaring to MODU to reduce GHG emissions. Contractors engaged on energy/GHG emissions efficiencies and opportunities identified are implemented where feasible and as low as reasonably practicable (ALARP). Track and review GHG emissions during the activity to identify further opportunities to improve efficiencies if possible.

¹ This EP is currently under assessment – these mitigation and management measures are subject to change through the consultation and assessment process and may not represent content in the publicly available EP or in the final plan once accepted.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Routine acoustic emissions	<ul style="list-style-type: none"> Project vessels and MODU will generate noise in the air and underwater due to the operation of thruster engines, propellers, and on-board machinery etc. Underwater noise may also be generated by positioning equipment (subsea transponders). 	<ul style="list-style-type: none"> Elevated underwater noise can affect marine fauna, including marine mammals, turtles and fish in three main ways: <ol style="list-style-type: none"> By causing direct physical effects, including injury or hearing impairment. Hearing impairment may be temporary or permanent. Through disturbance leading to behavioural changes or displacement from important areas. The occurrence and intensity of disturbance is highly variable and depends on a range of factors relating to the animal and situation. By masking or interfering with other biologically important sounds (including vocal communication, echolocation, signals and sounds produced by predators or prey). There is no potential for injury permanent or temporary to pygmy blue whales migrating within the Biologically Important Area (BIA) (about 35 km from the Operational Area). Injury to other whale species is also not considered credible as individuals are not expected to spend long durations close to operations and are more likely to be transiting through the area. Marine turtle presence is expected to be infrequent, and potential impacts from predicted noise levels from the project vessels (including MODU and support vessels) are not considered to be ecologically significant at a population level. It is reasonable to expect fish, sharks and rays may demonstrate avoidance or attraction behaviour to the noise generated by the activity. However, potential impacts from predicted noise levels from the project vessels and MODU are not considered to be ecologically significant at a population level. 	<ul style="list-style-type: none"> Comply with regulatory requirements for interactions with marine fauna to prevent adverse interactions. Implement adaptive management procedure prior to and during MODU/ installation vessel moves to the next well location, during daylight hours. Collect data on opportunistic sightings of pygmy blue whales to gauge presence and behaviour. Move support vessel(s) away from MODU (>2 km) if pygmy blue whale are observed foraging within 500 m when support vessel is not being used to perform functionality as required by Safety Case.
Physical presence - interactions with other marine users	<ul style="list-style-type: none"> Several vessel types will be required to complete the activity including a MODU (may be Dynamic Positioned (DP) or moored), installation vessel and support vessels. The physical presence and movement of project vessels within the Operational Area has the potential to displace other marine users. The presence of subsea infrastructure also has the potential to interfere with or displace third party vessels (commercial fishing). 	<ul style="list-style-type: none"> Other vessels in the Operational Area, which may include commercial fishing and shipping and defence, may experience temporary and localised displacement during the activity. The Operational Area is not an area of high commercial fishing activity, and displacement of fishing activities will be temporary and have no lasting effect. Tourism and recreation within the Operational Area are expected to be limited due to the distance offshore and water depths. Given the location, and short-term nature of activities, it is expected that there will be no impact. 	<ul style="list-style-type: none"> Vessels adhere to regulatory requirements for navigational safety. Establish a 500 m petroleum safety zone around MODU and the installation vessel and communicate to marine users. Notify relevant government departments, fishing industry representative bodies and licence holders of activities prior to commencement and on completion of activities. Notify the Australian Hydrographic Service (AHS) prior to commencement of the activity to enable them to update maritime charts ensuring marine users are aware of the activity. Notify Defence of activities no less than five weeks before the scheduled activity commencement date. Consult with relevant persons so that they are informed of the proposed activities.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Physical presence – disturbance to Benthic Habitat from MODU anchoring, drilling operations, subsea installation and ROV operations	<ul style="list-style-type: none"> Seabed disturbance may result from: <ul style="list-style-type: none"> Drilling operations (from installation of the blowout preventer (BOP) and conductor), mooring installation (if a moored MODU is used instead of a DP MODU) and Remotely Operated Vehicle (ROV) operations and other activities in proximity to the seabed such as marine growth removal from infrastructure, 	<ul style="list-style-type: none"> Habitat modification as a result of seabed disturbance (excluding drill cuttings and fluids) could occur within a radius of up to 10 m from each well (10 wells in total). Near this area, benthic communities may be reduced or altered, leading to a highly localised impact to epifauna and infauna benthic communities present. The Exmouth Plateau Key Ecological Feature (KEF) overlaps the Operational Area and seabed disturbance may lead to a highly localised change in habitat and water quality, which will be short-term. These potential short-term impacts are unlikely to impact on the ecological value of the KEF. 	<ul style="list-style-type: none"> Mooring systems (chains/wires and anchors) will be removed. Infrastructure will be placed on the seabed within the predefined design footprint using positioning technology to limit seabed disturbance. Project specific Mooring Design Analysis (for anchored MODU) to reduce the likelihood of anchor drag leading to seabed disturbance.
Routine and non-routine discharges – MODU and project vessels	<ul style="list-style-type: none"> Sewage, greywater and macerated food waste will be discharged from project vessels and MODU. Bilge water, deck drainage and brine and cooling water may also be discharged. 	<ul style="list-style-type: none"> The main impact associated with ocean disposal of sewage and other organic wastes (i.e. putrescible waste) is eutrophication. Eutrophication occurs when the addition of nutrients, such as nitrates and phosphates, causes adverse changes to the ecosystem including short-term, localised impacts to water quality. No significant impacts are expected to water quality from planned discharges because of the minor quantities involved, the expected localised mixing zone, and the high level of dilution into the open water marine environment of the Operational Area. Similarly, although some marine fauna may transit the Operational Area, potential for impacts remains low due to the localised nature of discharges and rapid dilution. 	<ul style="list-style-type: none"> Marine discharges will be managed according to regulatory requirements. Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints and approved through the Woodside chemical assessment process.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Routine and non-routine discharges – drill cuttings and drilling fluid	<ul style="list-style-type: none"> Routine discharge of Water Based Mud (WBM) and/or treated Non-Water Based Mud (NWB) and drill cuttings to the seabed and marine environment will occur. Discharges of other fluids may occur as required such as wash water from mud pits, vessel tank wash fluids and well clean-out fluids. 	<ul style="list-style-type: none"> Drill cuttings and retained drilling fluid discharges are expected to increase turbidity and total suspended sediment (TSS) levels above ambient concentrations above the seabed (for top-hole well sections) or in the upper surface layers (for bottom-hole well sections). This reduction in water quality will be temporary (limited to the operational discharges during drilling) and subject to rapid dispersion and dilution by prevailing seabed currents. It is expected that impacts to plankton species will be highly localised and return to previous conditions within a relatively short period of time due to the open nature of the marine environment and associated environmental conditions, the content and dispersive nature of drilling muds within the marine environment and the high population replenishment of these organisms. Impacts to benthic communities will be largely limited to an area surrounding the well locations. The low sensitivity of the benthic communities/habitats within and in the vicinity of the Operational Area, combined with the low toxicity of WBMs and residual NWBs, no bulk discharges of NWBM and the highly localised nature and scale of predicted physical impacts to seabed biota, mean predicted impact is considered to be slight. Potential impacts to the Exmouth Plateau KEF, which overlaps the Operational Area, relate to ecological impacts to the seabed habitat and benthic communities. The extremely small portion of the overall KEF area predicted to be impacted in combination with the predicted recovery of the affected benthic communities, mean that predicted impact is considered to be minor. 	<ul style="list-style-type: none"> All chemicals intended or likely to be discharged into the marine environment reduced to ALARP using the Woodside chemical assessment process. NWBM base oils selected based on expected toxicity. NWBMs only used where written justification process has been followed and bulk NWBM will be retained for disposal onshore or maintained on rig for re-use. Fluids contaminated with hydrocarbons will be treated to meet specified discharge limits prior to discharge or contained. If discharge specification not met the fluid will be returned to shore. Drill cuttings returned to the MODU will be discharged below the water line to facilitate dispersion.
Routine and non-routine discharges – cement, cementing fluids, subsea well fluids, produced water and unused bulk product	<ul style="list-style-type: none"> Routine discharge of cement and cementing fluids to the seabed and marine environment. Routine discharge of subsea well fluids, completion fluids, produced water and well intervention/workover fluids. Non-routine discharge of unused bulk product. 	<ul style="list-style-type: none"> Cement operations during drilling involve routine and non-routine discharges that can result in turbidity in the water column. Reduction in water quality will be temporary (limited to the cement operational discharges during drilling) and subject to rapid dispersion and dilution by prevailing currents. The highly localised physical footprint of cement on the seabed at the well site is not expected to affect the overall diversity or ecosystem function of the benthic communities of the area. Given the small volumes associated with subsea control fluids discharge and limited exposure times due to rapid dilution, potential impacts from these fluids is expected to be minor, localised and short term. Well intervention fluids are typically inert and of low-toxicity. These fluids may include subsea control fluid, completions fluids and well annular fluids. Changes to water quality are expected to be localised and temporary as discharges would be discrete and short in duration. 	<ul style="list-style-type: none"> Chemicals intended or likely to be discharged into the marine environment reduced to ALARP using Woodside's chemical assessment process. Fluids contaminated with hydrocarbons will be treated to meet specified discharge limits prior to discharge or contained. If discharge specification not met during well unloading and completion activities, if produced water is not flared, it will be processed through the well test water filtration treatment package prior to discharge to the environment. No bulk cement, bentonite or barite discharged without a documented environmental assessment.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned			
Unplanned hydrocarbon release – vessel collision	<ul style="list-style-type: none"> Project vessels will use marine diesel fuel, meaning a vessel collision involving a project vessel or third-party during the activity may result in the release of marine diesel. For a collision to result in the worst-case scenario diesel release, several factors must occur as follows: <ul style="list-style-type: none"> Identified causes of vessel interaction must result in a collision. The collision has enough force to penetrate the vessel hull and in the exact location of the fuel tank. The fuel tank must be full or at least of volume which is higher than the point of penetration. 	<ul style="list-style-type: none"> In the highly unlikely event of a vessel collision causing a release of hydrocarbons, impacts to water quality and marine ecosystems could occur. Modelling of a surface release of marine diesel was undertaken at a location within the Operational Area. Marine diesel is a relatively volatile, non-persistent nature hydrocarbon with up to 35% evaporating within the first 24 hours. Potential impacts across the whole EMBA were assessed including receptors such as plankton, fish, marine mammals, seabirds and migratory shorebirds, tourism, recreation and cultural heritage (for example). Taking into account receptor sensitivity, the receptors were rated as having a potential consequence level of minor or less (slight or negligible). 	<p>Preventing Vessel Collision:</p> <ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements. Consult with relevant persons so that other marine users are informed and aware, reducing the likelihood of a collision. Establish temporary exclusion zones around vessels which are communicated to marine users to reduce the likelihood of collision. Develop a management plan for simultaneous operations to manage rig interactions with other facilities and vessels. <p>Spill Response Arrangements:</p> <ul style="list-style-type: none"> Develop a project specific Oil Pollution Emergency Preparation document (OPEP) including first strike response plan. Arrangements supporting the OPEP will be tested to ensure the OPEP can be implemented as planned. Emergency response activities would be implemented in line with the OPEP.
Unplanned hydrocarbon release – loss of well control	<ul style="list-style-type: none"> Accidental loss of hydrocarbons to the marine environment due to loss of well control may occur caused by failure of well barriers. 	<ul style="list-style-type: none"> Given hydrocarbons of the Scarborough reservoir contain no measurable liquid fraction (predominantly natural gas), there is expected to be no or negligible liquid component in the event of a loss of containment. This means there is no credible hydrocarbon spill scenario in the event of a well blowout. A loss of well control may temporarily decrease the water quality in the immediate vicinity of the release. 	<ul style="list-style-type: none"> Wells drilled in compliance with the accepted Wells Operations Management Plan (WOMP) including implementation of barriers to prevent a loss of well control. Checks completed during well operations to establish a minimum acceptable standard of well integrity. Implement requirements for permanent well abandonment to reduce likelihood of a spill occurring from a suspended well. An approved Source Control Emergency Response Plan will be prepared prior to drilling each well including feasibility and specific considerations for relief well. Subsea BOP specification, installation and testing compliant with internal Woodside Standards and international requirements. Project-specific mooring design analysis to enable adequate MODU station holding capacity to prevent loss of station keeping and reduce the likelihood of a blowout.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned hydrocarbon release - bunkering	<ul style="list-style-type: none"> Accidental loss of hydrocarbons to the marine environment during planned bunkering/refueling may occur caused by partial or total failure of a bulk transfer hose or fittings due to operational stress or other integrity issues. 	<ul style="list-style-type: none"> Marine diesel surface release expected to be confined to within several kilometers of the release site, and well within the EMBA identified for the vessel collision scenario. This unplanned marine diesel release may have the potential to result in changes in water quality and fauna behaviour. Receptors considered in the risk assessment for this unplanned event included marine mammals, marine reptiles, fish, sharks and rays. Taking into account receptor sensitivity, the receptors were rated as having a potential consequence level of minor or less (slight or negligible). 	<p>Preventing unplanned hydrocarbon release due to bunkering:</p> <ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution. Liquid chemical and fuel storage areas banded or secondarily contained when they are not being handled or temporarily moved. Appropriate bunkering equipment kept and maintained. Compliance with Contractor procedures for the management of bunkering/helicopter operations to reduce the likelihood and potential severity of a spill. <p>Spill Response Arrangements:</p> <ul style="list-style-type: none"> Maintain and locate spill kits in close proximity to hydrocarbon storage and deck areas for use to contain and recover deck spills. Arrangements supporting the OPEP will be tested to ensure the OPEP can be implemented as planned. Emergency response activities would be implemented in line with the OPEP.
Unplanned discharge - chemicals and hydrocarbons	<ul style="list-style-type: none"> Accidental discharge of hydrocarbons/chemicals from MODU/project vessels deck activities and equipment and from subsea ROV hydraulic leaks may occur. Accidental discharge of drilling fluids (WBM/NWBM/base oil) and cement to marine environment due to failure of slip joint packers, bulk transfer hose/fitting, emergency disconnect system or from routine MODU operations. 	<ul style="list-style-type: none"> Unplanned discharges of non-process chemicals and hydrocarbons may decrease the water quality in the immediate vicinity of the release. Only small volumes (<50 L) are anticipated, resulting in very short-term impacts to water quality and limited to the immediate release location. Unplanned discharges of drilling fluids have a worst-case credible spill scenario of up to 8 m³. Unplanned discharge of cement would typically be <100 litres. These discharges would be to the sea surface and would rapidly dilute through mixing by surface currents and wave action. Given the occasional nature of unplanned chemical discharge, the small volumes, and the offshore location of the Operational Area, the change to water quality resulting from unplanned discharge of chemicals will not be substantial. If activation of the emergency disconnect sequence is required, a release of base oil could occur. This process is in place to prevent damage to the well or MODU from identified threats, such as loss of MODU station keeping, well blowout or potential collision by a third-party vessel, which could lead to further hydrocarbon release or infrastructure damage. As a result of a change in water quality, further impacts to receptors may occur including injury or mortality to marine fauna resulting from exposure to toxins in the released chemicals/hydrocarbons. Potential impacts would be highly localised and temporary meaning the predicted impact is considered to be slight. 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution. Liquid chemical and fuel storage areas are banded or secondarily contained when they are not being handled/moved temporarily. Spill kits positioned in high-risk locations around the vessel (near potential spill points such as transfer stations). Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints and approved through the Woodside chemical assessment process. Liquid chemical and fuel storage areas are banded or secondarily contained when they are not being handled/moved temporarily. Drilling fluid transfers are performed in accordance with the applicable contractor procedures, and associated equipment is functional in preventing the unacceptable use or discharge of NWBM/base oil. Installation vessels have self-containing hydraulic oil drip tray management system.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned discharge of solid hazardous/non-hazardous solid waste/equipment	<ul style="list-style-type: none"> Accidental, unplanned loss of hazardous or non-hazardous solid wastes/equipment to the marine environment may occur if dropped or blown overboard. 	<ul style="list-style-type: none"> The potential impacts of hazardous or non-hazardous solid wastes and equipment accidentally discharged to the marine environment include contamination of the environment as well as secondary impacts relating to potential contact of marine fauna with wastes. The temporary or permanent loss of waste materials/equipment into the marine environment is not likely to have a significant environmental impact, based on the location of the Operational Area, the types, size and frequency of wastes that could occur, and species present. 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution and handling of hazardous wastes. Implement waste management procedures which provide for safe handling and transportation, segregation and storage and appropriate classification of waste generated. Solid waste/equipment dropped to the marine environment will be recovered where safe and practicable to do so. Where retrieval is not practicable and/or safe, material items (property) lost to the marine environment will undergo an impact assessment and will be added to the inventory for the title.
Unplanned seabed disturbance	<ul style="list-style-type: none"> Unplanned disturbance to seabed may occur in the case of failed MODU mooring leading to anchor drag. Dropped objects may also result in unplanned disturbance of benthic habitat. 	<ul style="list-style-type: none"> Unplanned seabed disturbance may result in localised changes to water and sediment quality or a localised temporary impact to benthic communities. Potential impacts to KEFs which intersect the Operational Area of the activity are limited to the footprint of a dropped object or dragged anchor, resulting in potential highly localised and temporary change in habitat. 	<ul style="list-style-type: none"> MODU/installation vessel inductions include control measures for dropped object prevention. Dropped objects to be recovered and relocated where safe and practicable to do so. Where retrieval is not practicable and/or safe, material items (property) lost to the marine environment will undergo an impact assessment and will be added to the inventory for the title. Specifications and requirements for mooring systems enforced which require the system to have sufficient capability that a failure of single components will not cause progressive failure of the remaining anchoring arrangement. Tracking of the MODU will be possible when the MODU is unmanned to ensure the MODU location is tracked at all times. Project-specific Mooring Design Analysis and mooring system testing undertaken to reduce the likelihood of mooring failure or anchor drag.
Accidental introduction of invasive marine species (IMS)	<ul style="list-style-type: none"> MODU/vessels transiting to the Operational Area may be subject to marine fouling whereby organisms attach to the MODU/vessel hull. IMS could be present as biofouling on the MODU/vessel hull or on immersible equipment (survey equipment, ROV, etc.) and could be translocated to the Operational Area. Organisms can also be drawn into ballast tanks during onboarding of ballast water. 	<ul style="list-style-type: none"> It is not credible for IMS to be introduced and establish on the seabed or subsea structures in the Operational Area as these deep waters are not conducive to the settlement and establishment of IMS. There is potential for the transfer of IMS between vessels albeit remote likelihood given the limited interaction between vessels in the Operational Area. 	<ul style="list-style-type: none"> Ballast water and biofouling will be managed according to regulatory requirements, including the Australian Ballast Water Management Requirements, and the Australian Biofouling Management Requirements, as applicable. Woodside's IMS risk assessment process will be applied to project vessels and immersible equipment entering the Operational Area.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned interaction with marine fauna	<ul style="list-style-type: none"> Vessel movements have the potential to result in collisions between MODU/project vessel (hull and propellers) and marine fauna. The factors contributing to the frequency and severity of impacts due to collisions vary greatly due to vessel type, vessel operation (specific activity, speed), physical environment (e.g. water depth) and the type of animal potentially present and their behaviours. 	<ul style="list-style-type: none"> Vessel disturbance presents a potential threat to marine mammals, marine reptiles and fish, sharks and rays. The risk of vessel collision with marine fauna is present year-round but is elevated seasonally for species during migration periods. Given the short duration of activities within the Operational Area, and the slow speeds at which project vessels operate during installation (if not stationary), collisions are considered highly unlikely. 	<ul style="list-style-type: none"> Comply with regulatory requirements for interactions with marine fauna to reduce the likelihood of a collision occurring.

Feedback

If you would like to comment on the proposed activities outlined in this information sheet, or would like additional information, please contact Woodside before **17 February 2023** via:

E: Feedback@woodside.com.au
Toll free: 1800 442 977

You can subscribe on our website to receive Consultation Information Sheets for proposed activities: **www.woodside.com/sustainability/consultation-activities**.

Please note that stakeholder feedback will be communicated to the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) as required under legislation. Woodside will communicate any material changes to the proposed activity to affected stakeholders as they arise.

Please note that your feedback and our response will be included in our Environment Plan for the proposed activity, which will be submitted to NOPSEMA for acceptance in accordance with the *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cth)*.

Please let us know if your feedback for this activity is sensitive and we will make this known to NOPSEMA upon submission of the Environment Plan in order for this information to remain confidential to NOPSEMA.

WA-61-L AND WA-62-L SUBSEA INFRASTRUCTURE INSTALLATION ENVIRONMENT PLAN

CARNARVON BASIN, NORTH-WEST AUSTRALIA

Proposed activity

Woodside is planning to undertake seabed site surveys and installation of subsea production infrastructure within Permit Areas WA-61-L and WA-62-L, around 374 km west-northwest of Dampier, Western Australia.

Proposed activities will include visual pre- and post-installation surveys, and installation of flowlines, umbilicals and risers, which will be required for the flow and control of hydrocarbons and produced water to the Scarborough Floating Production Unit (FPU), Mooring legs and suction piles will also be installed in preparation for the arrival of the FPU.

A gravimetry survey is also planned to be undertaken in Permit Areas WA-61-L and WA-62-L to support Woodside's knowledge of the Scarborough reservoir.

Project vessels

Proposed survey and installation activities will be performed by up to four dedicated and specialised dynamically positioned activity and support vessels. Details on vessels are included in **Table 1**.

Communication with mariners

The Operational Area for activities includes a radius of:

- 1,000 m around location of the outermost concrete pads.
- 1,500 m around location of subsea infrastructure.
- 2,000 m around future location of FPU.

A temporary 500 m exclusion zone will be in place around vessels to manage vessel movements. Other marine users are permitted to use but should take care when entering the Operational Area and remain clear of the exclusion zone.

Assessment

Woodside has undertaken an assessment of the potential risks to the marine environment as well as the potential impacts to relevant persons arising from the planned activities. This assessment considers timing, duration and location of the planned activities.

A number of mitigation and management measures will be implemented and are summarised in **Table 3**. Further details will be provided in the EP, which is being developed to manage proposed activities.

In preparing the EP, our intent is to minimise environmental and social impacts associated with the proposed activities, and we are seeking any interest or comments you may have to inform our decision making.

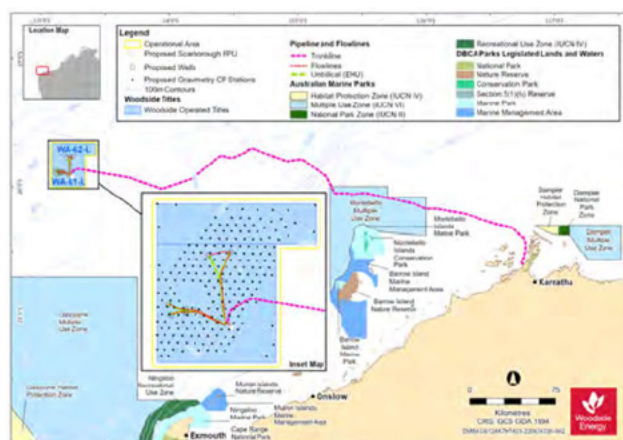


Figure 1. Petroleum Activity Program Operational Area. Details on the location of the proposed infrastructure are included in **Table 2**.

Table 1 – Activity summary

WA-61-L and WA-62-L Subsea Infrastructure Installation Environment Plan	
Permit Area	WA-61-L and WA-62-L
Approximate water depth	- 900 - 1000 m
Commencement date	<ul style="list-style-type: none"> Activities are planned to commence in H2 2023, with activities estimated to be completed in 18 months with activities occurring in multiple campaigns The individual campaigns comprise: <ul style="list-style-type: none"> Installation of temporary concrete pads and conduct of the gravimetry baseline survey First campaign for installation of subsea umbilicals, risers, and flowlines FPU mooring pre-lay surveys and suction pile installation Second campaign for installation of subsea umbilicals, risers, and flowlines
Approximate estimated duration	Approximately 18 months (cumulative) for the survey and installation activities
Infrastructure	<ul style="list-style-type: none"> Pre-installation of the following infrastructure: <ul style="list-style-type: none"> 3 x flowlines 1 x riser base manifold and foundation 13 - 25 x mud mats 7 x in-line structures & 6 x flowline end terminations 9 x umbilical termination assemblies 3 x subsea distribution units/assemblies 16 x umbilicals and jumpers, additional flying leads 1 x trunkline spool and support 20 x mooring legs and 20 x suction piles for FPU Up to 265 concrete pads for future gravimetry surveys Temporary installation of the following infrastructure and related activities: <ul style="list-style-type: none"> 1 x suction pile and leader wire for flowline lay initiation Installation aids (i.e. transponder arrays, frames) Wet-storing of dynamic umbilicals and risers Pre-progress and post-installation surveys Baseline gravimetry survey Pressure and leak testing Contingent activities including debris removal as required, transportation of equipment to field with tug and barge spread
Vessels	<ul style="list-style-type: none"> Light construction vessels Heavy construction vessels Heavy lift vessels Derrick lay vessel Reel-lay vessels Survey vessels Support vessels
Operational Areas and Exclusion zones	<ul style="list-style-type: none"> The Operational Area for activities includes a radius of: <ul style="list-style-type: none"> 1000 m around location of the outermost concrete pads 1500 m around location of subsea infrastructure 2000 m around future location of FPU Temporary 500 m exclusion zone around vessels to manage vessel movements An interactive map showing the location of the proposed activities will be available on the Woodside website and will be updated throughout the proposed activities
Distance to nearest town	<ul style="list-style-type: none"> - 244 km north-northwest of Exmouth, - 374 km west-northwest of Dampier
Distance to nearest marine park/nature reserve	<ul style="list-style-type: none"> - 77 km north of the Gascoyne Marine Park (Cwlth) - 201 km north-west of Montebello Marine Park (Cwlth) - 180 km north-northwest of Ningaloo Marine Park (Cwlth)

Table 2 - Summary of proposed installation locations

Structure	Approx. Water Depth (m)	Latitude	Longitude	Permit Area
For installation				
Start of Flowline A and associated infrastructure	- 944	19° 55' 08.55"S	113° 13' 47.80"E	WA-61-L
End of Flowline A and associated infrastructure	- 914	19° 46' 16.45"S	113° 11' 39.00"E	WA-61-L
Start of Flowline B and associated infrastructure	- 945	19° 55' 12.11"S	113° 13' 45.17"E	WA-61-L
End of Flowline B and associated infrastructure	- 919	19° 52' 30.84"S	113° 06' 39.90"E	WA-61-L
Start of Flowline C and associated infrastructure	- 945	19° 55' 14.51"S	113° 13' 43.94"E	WA-61-L
End of Flowline C and associated infrastructure	- 912	19° 53' 47.55"S	113° 06' 54.73"E	WA-61-L
Northern end of mooring array	- 915	19° 54' 40.48"S	113° 14' 31.38"E	WA-61-L
Southern end of mooring array	- 958	19° 56' 26.98"S	113° 14' 28.11"E	WA-61-L
Eastern end of mooring array	- 955	19° 55' 34.48"S	113° 15' 26.04"E	WA-61-L
Western end of mooring array	- 948	19° 55' 32.77"S	113° 13' 33.29"E	WA-61-L

Environment That May Be Affected (EMBA)

The environment that may be affected (EMBA) is the largest spatial extent where the Subsea Infrastructure Installation Activity could potentially have an environmental consequence (direct or indirect impact). The broadest extent of the EMBA takes into consideration planned and unplanned activities, and for this Environment Plan (EP) is determined by a highly unlikely release of marine diesel to the environment as a result of vessel collision. This is depicted in Figure 2.

The EMBA does not represent the extent of predicted impact of the highly unlikely marine diesel release. Rather, the EMBA represents the merged area of many possible paths a highly unlikely hydrocarbon release could travel depending on the weather and ocean conditions at the time of the release.

This means in the highly unlikely event a hydrocarbon release does occur, the EMBA will not be affected and the specific and minimal part of the EMBA that is affected will only be known at the time of the release.

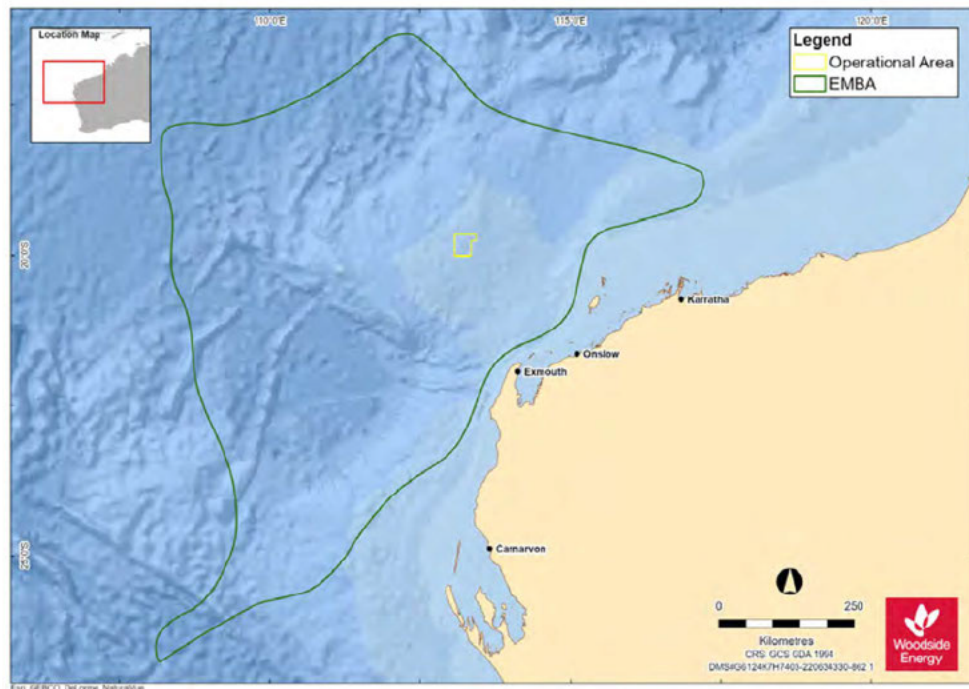


Figure 2. Environment that May Be Affected by the Subsea Infrastructure Installation Activity.

Mitigation and management measures

Woodside has undertaken an assessment to identify potential impacts and risks to the environment arising from the Subsea Infrastructure Installation Activity.

A number of mitigation and management measures for the Subsea Infrastructure Installation Activity are outlined in **Table 3**.

Table 3 – Summary of key risks and/or impacts and preliminary management measures for the Subsea Infrastructure Installation Activity.

Potential Impact/Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Planned			
Physical presence – interactions with other marine users	<ul style="list-style-type: none"> Several vessel types will be required to complete the activity including a pipelay vessel (PV), heavy lift vessel (HLV), construction vessels, survey vessels and support vessels. Vessels will not usually anchor within the Operational Area. The physical presence and movement of project vessels within the Operational Area has the potential to displace other marine users. Some vessels will be moving continually within the Operational Area. The activity may not be executed as a single campaign or in a consecutive sequence, therefore the presence of vessels may occur at any time during the period of the EP. Helicopters or crew transfer vessels will be used to transport personnel to and from project vessels. 	<ul style="list-style-type: none"> Other vessels in the Operational Area, which may include commercial fishing and shipping, and defence, may experience temporary and localised displacement during the activity. The Operational Area is not an area of high commercial fishing activity. Commercial fishing vessels will not be excluded from the entire Operational Area for the total duration of the Subsea Infrastructure Installation Activity. Displacement of fishing activities will be slight, temporary and have no lasting effect. The Operational Area does not overlap with Australian Maritime Safety Authority (AMSA) fairways and therefore impacts to commercial shipping vessels are not expected. Tourism and recreation within the Operational Area are expected to be limited due to the distance offshore and water depths. Given the location, and short-term nature of activities, no impacts are expected. 	<ul style="list-style-type: none"> Vessels adhere to regulatory requirements for navigational safety. Establish temporary 500 m exclusion zones around vessels which are communicated to marine users. Notify relevant government departments, fishing industry representative bodies and licence holders of activities prior to commencement and on completion of activities. Notify the Australian Hydrographic Service (AHS) prior to commencement of the activity to enable them to update maritime charts, so that marine users are aware of the activity. Consult with relevant persons so that they are informed of the proposed activities.
Physical presence – seabed disturbance	<ul style="list-style-type: none"> Seabed disturbance may result from subsea infrastructure installation, mooring pre-lay, Remotely Operated Vehicle (ROV)/survey activities, and from contingency activities including wet buckle remediation and span rectification. 	<ul style="list-style-type: none"> Seabed disturbance has the potential to result in change in habitat and water quality which may in turn cause injury and/or mortality to fauna. However, impacts from seabed disturbance will be minor as they are expected to be highly localised and temporary in nature. Seabed disturbance is not expected to impact adversely on biologically important behaviours or biologically important habitat, including critical habitat. Displacement of individuals will not result in significant impacts at a population level. 	<ul style="list-style-type: none"> ROV inspection will be undertaken post-installation to confirm installation aids have been removed. Infrastructure will be placed on the seabed within the predefined design footprint using positioning technology to limit seabed disturbance.

¹ These mitigation and management measures are subject to change through the consultation and subsequent assessment process and may not represent content in the publicly available EP or in the final plan once accepted.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Light emissions	<ul style="list-style-type: none"> Project vessels will use external lighting to navigate and conduct safe operations at night. Vessel lighting will also be used to communicate vessels' presence to other marine users (i.e. navigation/warning lights). 	<ul style="list-style-type: none"> Light emissions can affect fauna (such as marine turtles and birds) in two main ways: <ol style="list-style-type: none"> Behaviour: artificial lighting has the potential to create a constant level of light at night that can override natural levels and cycles. Orientation: if an artificial light source is brighter than a natural source, the artificial light may override natural cues, leading to disorientation. Given the distance from shore, low sensitivity of receptors offshore (i.e., no presence of nesting turtles and low likelihood of hatchling turtles in the offshore environment), light emissions to marine turtles are unlikely to result in more than slight, localised behavioural disturbance to isolated transient individuals, with no lasting effect to the species. As the Operational Area is offshore and away from islands or other emergent features, the presence of seabirds or shorebirds is considered likely to be of a transient nature only. Behavioural disturbance to birds from light is expected to be slight and localised to within the vicinity of vessels and will not seriously disrupt the lifecycle of an ecologically significant proportion of migratory birds. 	<ul style="list-style-type: none"> Lighting limited to minimum required for navigation and safe operational requirements with the exception of emergency events.
Atmospheric emissions and greenhouse gas (GHG) emissions	<ul style="list-style-type: none"> Atmospheric emissions GHGs will be generated by the project vessels from internal combustion engines and incineration activities. 	<ul style="list-style-type: none"> Emissions from project vessels could result in temporary, localised reductions in air quality in the immediate vicinity of the vessels. Given the offshore location of the Operational Area, and the low volumes of atmospheric emissions which will be generated, biodiversity, ecological integrity, social amenities and human health will not be impacted and the potential impact to air quality is negligible. Given the nature and scale of GHG emissions from vessel fuel usage for this activity, the potential GHG impact and risk from this activity is considered negligible. 	<ul style="list-style-type: none"> Comply with regulatory requirements for marine air pollution and GHG emissions reporting. Plan vessel operations where practicable to minimise fuel consumption and associated GHG/air emissions. Track and review GHG emissions during the activity to identify further opportunities to improve efficiencies where practicable.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Routine acoustic emissions	<ul style="list-style-type: none"> Project vessels will generate noise in the air and underwater due to the operation or thruster engines, propellers and on-board machinery etc. Underwater noise may also be generated by geophysical sources during surveys, positioning equipment (transponders), Dynamic Positioning systems on vessels, and helicopters. 	<ul style="list-style-type: none"> Elevated underwater noise can affect marine fauna including marine mammals, turtles and fishes in three main ways: <ol style="list-style-type: none"> By causing direct physical effects, including injury or hearing impairment. Hearing impairment may be temporary or permanent. Through disturbance leading to behavioural changes or displacement from important areas. The occurrence and intensity of disturbance is highly variable and depends on a range of factors relating to the animal and situation. By masking or interfering with other biologically important sounds (including vocal communication, echolocation, signals and sounds produced by predators or prey). Marine fauna associated with the Operational Area will be predominantly pelagic fish species, with the potential for species such as whale sharks, rays, marine turtles and whale species to transit through the Operational Area. There are no marine fauna Biologically Important Areas (BIAs) within the Operational Area. Therefore, potential impacts from vessel noise are likely to be restricted to temporary avoidance behaviour to individuals and are therefore considered slight or lower (negligible). 	<ul style="list-style-type: none"> Comply with regulatory requirements for interactions with marine fauna to prevent adverse interactions. Collect data on opportunistic sightings of pygmy blue whales to gauge presence and behaviour. Implement adaptive management procedure during vessel activities, to reduce risk to marine fauna.
Routine and non-routine discharges - project vessels and installation	<ul style="list-style-type: none"> Sewage, greywater and putrescible waste will be discharged from project vessels. Bilge water, deck drainage and brine and cooling water may also be discharged. 	<ul style="list-style-type: none"> The main impact associated with ocean disposal of sewage and other organic wastes (i.e., putrescible waste) is eutrophication. Eutrophication occurs when the addition of nutrients, such as nitrates and phosphates, causes adverse changes to the ecosystem including short-term, localised impacts to water quality. Impacts to water quality from planned discharges above a slight or negligible level are not expected because of the minor quantities involved, the expected localised mixing zone and high level of dilution into the open water marine environment of the Operational Area. Similarly, although some marine fauna may transit the Operational Area, the potential for impact remains slight or lower (negligible) due to the localised nature of discharges and rapid dilution. 	<ul style="list-style-type: none"> Routine marine discharges will be managed according to regulatory requirements. Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints and approved through the Woodside chemical assessment process.
Routine and non-routine discharges – subsea infrastructure installation	<ul style="list-style-type: none"> Small volumes of preservation fluid will be discharged during installation of pre-filled risers, jumpers and spool, and during flood, clean, gauge and leak testing of flowlines, production risers, gas export system and jumpers. Unplanned contingent discharges may occur if wet buckling of flowline occurs. 	<ul style="list-style-type: none"> The discharges are expected to result in slight or lower (negligible) impacts including a temporary decline in water quality and sediment quality around the discharge locations with no accumulation and no lasting effect predicted. Based on the low likelihood of pelagic fish species being exposed to the discharge, the ability of marine fauna to move away from the discharge plume and the potential for impacts to occur from contingent treated seawater discharge, potential impacts are expected to be slight or lower (negligible), localised and short-term with no lasting effect at the population or bioregional scale. Impacts from contingent discharges of treated seawater on Key Ecological Features (KEFs) are expected to be slight with no lasting effect. 	<ul style="list-style-type: none"> Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints and approved through the Woodside chemical assessment process. Pre-commissioning procedures developed and followed so that appropriate chemical concentrations are maintained. A flowline installation procedure will be in use to aid in the prevention of flowline wet buckle reducing the likelihood of unplanned contingent discharges from flowline dewatering.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned			
Unplanned hydrocarbon release – vessel collision	<ul style="list-style-type: none"> Project vessels will use marine diesel fuel, meaning a vessel collision involving a project vessel or third-party during the activity may result in the release of marine diesel. For a collision to result in the worst-case scenario diesel release, several factors must occur as follows: <ul style="list-style-type: none"> Identified causes of vessel interaction must result in a collision. The collision has enough force to penetrate the vessel hull and in the exact location of the fuel tank. The fuel tank must be full or at least of volume which is higher than the point of penetration. 	<ul style="list-style-type: none"> In the highly unlikely event of a vessel collision causing a release of hydrocarbons, impacts to water quality and marine ecosystems could occur. Modelling of a surface release of marine diesel was undertaken at a location within the Operational Area. Marine diesel is a relatively volatile, non-persistent nature hydrocarbon with up to 35% evaporating within the first 24 hours. Potential impacts across the EMBA were assessed including receptors such as plankton, mangroves, seabirds and migratory shorebirds, saltmarshes, coral, tourism, recreation and cultural heritage (for example). Taking into account receptor sensitivity, the receptors were rated as having a potential consequence level of minor or less (slight or negligible). 	<p>Preventing vessel collision:</p> <ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements. Consult with relevant persons so that other marine users are informed and aware, reducing the likelihood of a collision. Establish temporary exclusion zones around vessels which are communicated to marine users to reduce the likelihood of collision. Develop a management plan for simultaneous operations when working in vicinity of other Woodside operations/activities. Notify relevant government departments, fishing industry representative bodies and licence holders of activities prior to commencement and upon completion of activities. Notify the Australian Hydrographic Service (AHS) prior to commencement of the activity to enable them to update maritime charts, ensuring marine users are aware of the activity. <p>Spill response arrangements:</p> <ul style="list-style-type: none"> Arrangements supporting the Oil Pollution Emergency Preparation document (OPEP) will be tested so that the OPEP can be implemented as planned. In the event of a spill, emergency response activities would be implemented in line with the OPEP.
Unplanned hydrocarbon release – bunkering	<ul style="list-style-type: none"> Accidental loss of hydrocarbons to the marine environment during bunkering/ refueling may occur caused by partial or total failure of a bulk transfer hose or fittings due to operational stress or other integrity issues. 	<ul style="list-style-type: none"> A marine diesel surface release is expected to be confined to within several kilometers of the release site and well within the EMBA identified for the vessel collision scenario. This unplanned marine diesel release has the potential to result in changes in water quality and fauna behaviour. Receptors considered in the risk assessment for this unplanned event included marine mammals, marine reptiles, fish, sharks and rays. Taking into account receptor sensitivity, the receptors were rated as having a potential consequence level of minor or less (slight or negligible). 	<p>Preventing unplanned hydrocarbon release due to bunkering:</p> <ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution. Liquid chemical and fuel storage areas banded or secondarily contained when they are not being handled or temporarily moved. Appropriate bunkering equipment kept and maintained, and contractors to follow procedures and requirements for bunkering and refueling to reduce the likelihood of a spill. <p>Spill response arrangements:</p> <ul style="list-style-type: none"> Maintain and locate spill kits in close proximity to hydrocarbon storage and deck areas for use to contain and recover deck spills. Arrangements supporting the OPEP will be tested so that the OPEP can be implemented as planned. Emergency response activities would be implemented in line with the OPEP.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned discharge – deck and subsea spills	<ul style="list-style-type: none"> Accidental, unplanned loss of liquid chemical or fuels from equipment/storage on deck or subsea survey/installation equipment, 	<ul style="list-style-type: none"> Unplanned discharges of non-process chemicals and hydrocarbons may decrease the water quality in the immediate vicinity of the release. Only small volumes (<50 L) are anticipated, resulting in very short-term impacts to water quality and limited to the immediate release location, As a result of a change in water quality, further impacts to receptors may occur, however impacts to marine fauna are expected to be limited to temporary irritation of sensitive membranes to individuals and are considered slight or less (negligible). 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution. Liquid chemical and fuel storage areas are bunded or secondarily contained when they are not being handled/moved temporarily. Spill kits positioned in high-risk locations around the vessel (near potential spill points such as transfer stations). Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints and approved through the Woodside chemical assessment process. Below-deck storage of hydrocarbons and chemicals where practicable.
Unplanned discharge – loss of solid hazardous/ non-hazardous solid waste / equipment	<ul style="list-style-type: none"> Accidental, unplanned loss of hazardous or non-hazardous solid wastes/equipment to the marine environment may occur if dropped or blown overboard, 	<ul style="list-style-type: none"> The potential impacts of hazardous or non-hazardous solid wastes and equipment accidentally discharged to the marine environment include contamination of the environment as well as secondary impacts relating to potential contact of marine fauna with wastes. The temporary or permanent loss of waste materials/equipment into the marine environment is not likely to have a significant environmental impact, based on the location of the Operational Area, the types, size and frequency of wastes that could occur and species present. 	<ul style="list-style-type: none"> Comply with regulatory requirements for the prevention of marine pollution and handling of hazardous wastes. Implement waste management procedures which provide for safe handling and transportation, segregation and storage and appropriate classification of waste generated. Solid waste/equipment dropped to the marine environment will be recovered where safe and practicable to do so. Where retrieval is not practicable and/or safe, material items (property) that are lost to the marine environment will undergo an impact assessment and will be added to the inventory for the title.
Unplanned seabed disturbance	<ul style="list-style-type: none"> Accidental, unplanned loss of infrastructure during installation from the installation vessels. Dropped objects may also result in unplanned disturbance of benthic habitat. 	<ul style="list-style-type: none"> Unplanned seabed disturbance may result in localised changes to water and sediment quality or a localised temporary impact to benthic communities and is therefore considered to present a negligible risk. Potential impacts to KEFs which intersect the Operational Area of the activity are considered to be minor as they would be limited to the footprint of a dropped object resulting in potential highly localised and temporary change in habitat. 	<ul style="list-style-type: none"> Subsea lifts of equipment will occur overboard in a designated deployment zone to reduce the risk of dropped objects in proximity to existing subsea infrastructure that could potentially cause damage/leaks. Installation vessel inductions include control measures for dropped object prevention. Dropped objects to be recovered and relocated where safe and practicable to do so. Where retrieval is not practicable and/or safe, material items (property) lost to the marine environment will undergo an impact assessment and will be added to the inventory for the title.

Potential Impact/ Risk	Description of Source of Potential Impact/Risk	Description of Potential Impact/Risk	Preliminary Mitigation and/or Management Measures ¹
Unplanned interaction with marine fauna	<ul style="list-style-type: none"> Vessel movements have the potential to result in collisions between the vessel (hull and propellers) and marine fauna. The factors contributing to the frequency and severity of impacts due to collisions vary greatly due to vessel type, vessel operation (specific activity, speed), physical environment (e.g. water depth) and the type of animal potentially present and their behaviours. 	<ul style="list-style-type: none"> The risk of vessel collision with marine mammals is present year-round but is seasonally elevated for species such as humpback whales and pygmy blue whales during migration periods and within migration BIAs. The Operational Area does not overlap with cetacean BIAs or critical habitat. Given this, and the short duration of activities within the Operational Area, and the slow speeds at which project vessels operate, collisions with cetaceans are considered highly unlikely. It is expected marine turtles will respond to vessel presence by avoiding the immediate vicinity of vessels, and combined with low vessel speed, this will reduce the likelihood of a vessel-turtle collision or entrainment during dredging activities. 	<ul style="list-style-type: none"> Comply with regulatory requirements for interactions with marine fauna to reduce the likelihood of a collision occurring.
Accidental introduction of invasive marine species (IMS)	<ul style="list-style-type: none"> Vessels transiting to the Operational Area may be subject to marine fouling whereby organisms attach to the vessel hull. IMS could be present as biofouling on the vessel hull or on immersible equipment (survey equipment, ROV, etc.) and could be translocated to the Operational Area and transferred directly to the seafloor or subsea structures where they could establish. Organisms can also be drawn into ballast tanks during onboarding of ballast water. 	<ul style="list-style-type: none"> It is not credible for IMS to be introduced and establish on the seabed or subsea structures in the Operational Area as these deep waters are not conducive to the settlement and establishment of IMS. There is potential for the transfer of IMS between the project vessels, albeit remote 	<ul style="list-style-type: none"> Ballast water and biofouling will be managed according to regulatory requirements, including the Australian Ballast Water Management Requirements, and the Australian Biofouling Management Requirements, as applicable. Woodside's IMS risk assessment process will be applied to project vessels and immersible equipment that enter the Operational Area.

Feedback

If you would like to comment on the proposed activities outlined in this information sheet, or would like additional information, please contact Woodside before **17 February 2023** via:

E: Feedback@woodside.com.au
Toll free: 1800 442 977

You can subscribe on our website to receive Consultation Information Sheets for proposed activities: www.woodside.com/sustainability/consultation-activities.

Please note that stakeholder feedback will be communicated to the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) as required under legislation, Woodside will

communicate any material changes to the proposed activity to affected stakeholders as they arise.

Please note that your feedback and our response will be included in our Environment Plan for the proposed activity, which will be submitted to NOPSEMA for acceptance in accordance with the *Offshore Petroleum and Greenhouse Gas Storage (Environment) Regulations 2009 (Cth)*.

Please let us know if your feedback for this activity is sensitive and we will make this known to NOPSEMA upon submission of the Environment Plan in order for this information to remain confidential to NOPSEMA.

Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the annexure marked [REDACTED] 6 produced and shown to [REDACTED] at the time of
affirming her affidavit this 11 September 2023.

Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd,
the Second and Third Respondents

Prepared by: Jeremy Quan-Sing

Law firm: Allens

Tel: (08) 9488 3700

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Email: Jeremy.Quan-Sing@allens.com.au

Address for service:

Level 11, Mia Yellagonga Tower 2, 5 Spring Street, Perth WA 6000

Email: Jeremy.Quan-Sing@allens.com.au

From: [REDACTED]@woodside.com>
Sent: Tuesday, 25 July 2023 5:22 AM
To: Jess Border
Cc: [REDACTED] sue.mccarrey@nopsema.gov.au; Woodside Feedback; Alina Leikin
Subject: RE: Scarborough Gas Project Environment Plans
Follow Up Flag: Follow up
Flag Status: Flagged

Dear Jess

Thanks for your email.

As to the query around recording:- Our team is respectfully attending the meeting on the basis of the meeting protocols previously agreed with Josie, Raelene and Save Our Songlines. In particular:

- that attendees are welcome to take written notes of the meetings. However, there will be no other recording of meetings (e.g. no audio or visual etc recording of meetings)
- other than sharing the fact that the meeting took place, the cultural details will be kept confidential amongst the female attendees unless directed otherwise and will not be made public without permission

So, to confirm – other than in accordance with those protocols, our team does not consent to any aspects of the meeting being recorded (no audio, visual or other recording of the meeting). To be clear, our team does not consent to any recording being made or paused for discussion of culturally sensitive matters.

We look forward to the consultation meeting this morning.

Kind regards



Woodside Energy
 Mia Yellagonga
 Karlak, 11 Mount Street
 Perth WA 6000
 Australia

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 f t in o i

From: Jess Border <jessica.border@edo.org.au>
Sent: Monday, 24 July 2023 7:25 PM
To: [REDACTED]@woodside.com.au>
Cc: [REDACTED]@woodside.com.au>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com.au>; Alina Leikin <Alina.Leikin@edo.org.au>
Subject: RE: Scarborough Gas Project Environment Plans

Dear [REDACTED]

Thank you for your email.

Our clients are content for Woodside to provide broader information.

We are instructed to ask that the meeting be recorded, with the recording being paused for discussion of culturally sensitive matters. Our clients are of the view that a recorded meeting reduces the risk of inconsistencies with or misunderstandings in written notes. Could you please confirm you're content with this approach?

We otherwise confirm that we will be attending the meeting in accordance with the protocols set out below.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [REDACTED] <[REDACTED]@woodside.com>
Sent: Friday, July 21, 2023 5:35 PM
To: Jess Border <jessica.border@edo.org.au>
Cc: [REDACTED] <[REDACTED]@woodside.com>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com>; Alina Leikin <Alina.Leikin@edo.org.au>
Subject: RE: Scarborough Gas Project Environment Plans

You don't often get email from [REDACTED]@woodside.com. [Learn why this is important](#)

Dear Jess

Confirming I've sent the Tuesday morning meeting invite for a meeting between Josie, Raelene, Save Our Songlines and EDO.

Our team has discussed the draft agenda – we are comfortable that it gives guidance on topics to enable discussion and allows other issues to be raised.

So you know, our team will provide information on the broader Scarborough Project and the EPs currently being assessed. This will be useful to put the Seismic Survey EP activity in context. It will also give Josie, Raelene and Save Our Songlines an opportunity to discuss and ask questions on the other Scarborough activities EPs currently being assessed.

We would be grateful for confirmation that Josie, Raelene, Save Our Songlines and EDO agree to the meeting proceeding in accordance with the agreed protocols (as per email below).

In addition to the protocols, our team has agreed to participate with open hearts, in listening and information sharing mode and that the team members will act with integrity and respect during the meeting. We would be grateful for confirmation that your team is also attending the meeting on this basis.

Look forward to meeting next week.

Kind regards



Woodside Energy
 Mia Yellagonga
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 Perth WA 6000
 Australia

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 f t in o i

From: [REDACTED]
Sent: Thursday, 20 July 2023 4:01 AM
To: Jess Border <jessica.border@edo.org.au>
Cc: [REDACTED] <[\[REDACTED\]@woodside.com.au](mailto:[REDACTED]@woodside.com.au)>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com.au>; Alina Leikin <Alina.Leikin@edo.org.au>
Subject: RE: Scarborough Gas Project Environment Plans

Dear Jess

Thanks for your email and confirmation on meeting time.

Thanks also for sending the updated agenda – we'll review and come back if there are suggested edits or changes.

A calendar invite for a Teams meeting will be sent to your email address and also Ms Leikin's email. (There may be a slight delay – I'm travelling at the moment. So the aim will be to send the invite by Friday so the correct time zone / date is sent in the meeting maker).

In the meantime, please can you confirm the meeting will proceed on the basis of the agreed protocols (as requested by Josie, Raelene and Save Our Songlines). Woodside is comfortable to proceed according to the protocols:

- Attendees continue to be all female.
- Attendees attend meetings with an open heart, deep listening and seeking a respectful conversation.
- Attendees come to meetings open to sharing knowledge about the environment (heritage value of places, social and cultural features) that may be affected by the activities under the proposed Scarborough EPs. Attendees come to the meeting open to sharing ideas of things that Woodside is currently doing well and things that Woodside can do to lessen or avoid impacts of the activities on the environment.
- Attendees are welcome to take written notes of meetings. To respect privacy, safety and cultural values there will be no other recording of meetings (e.g. no audio or visual etc recording of meetings).
- Other than sharing the fact that the meeting took place, the cultural details will be kept confidential amongst the female attendees unless directed otherwise and will not be made public without permission.

Kind regards



Woodside Energy
 Mia Yellagonga
 Karlak, 11 Mount Street
 Perth WA 6000
 Australia

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E: [REDACTED] <[\[REDACTED\]@woodside.com](mailto:[REDACTED]@woodside.com)>
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 f t in o i

From: Jess Border <jessica.border@edo.org.au>
Sent: Wednesday, 19 July 2023 11:19 AM
To: [REDACTED] <[\[REDACTED\]@woodside.com.au](mailto:[REDACTED]@woodside.com.au)>
Cc: [REDACTED] <[\[REDACTED\]@woodside.com.au](mailto:[REDACTED]@woodside.com.au)>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com.au>; Alina Leikin <Alina.Leikin@edo.org.au>
Subject: RE: Scarborough Gas Project Environment Plans

You don't often get email from jessica.border@edo.org.au. [Learn why this is important](#)

Dear [REDACTED]

As stated in Clare's email below, I will be the primary contact for this matter going forward.

I have received confirmation that our clients are available to attend a meeting by Teams at 9:00am next Tuesday 25 July.

Thank you for your proposed agenda. Our revised agenda is set out below. This is the agenda that was agreed ahead of the 13 June Karratha meeting that did not proceed. As we have previously stated, we do not think it is appropriate to deal with all 4 EPs in one meeting.

DRAFT AGENDA

1. Walk through of the Scarborough 4D Baseline Marine Seismic Survey EP
2. Description of Scarborough Project and activities to be undertaken in the Scarborough 4D Baseline Marine Seismic Survey EP – activity, location, impacts and risks, controls in place to manage risks, mechanisms to update the EP with changes (as necessary).
3. More about Ms Alec, Ms Cooper and Save Our Songlines
 - o individual interests you each have;
 - o the types of communal interests that each of you hold;
 - o the activities each of you engage in that might be affected by the activities;
 - o the role you perform within Save Our Songlines;
 - o the interests that Save Our Songlines holds;
 - o the functions of Save Our Songlines as an organisation;
 - o the activities that Save Our Songlines engage in that might be affected.
4. How Woodside would update the EP in response to information about how functions, interests and activities may be affected.
5. Information Ms Alec and Ms Cooper still need from Woodside.
6. Any other requests for information or access that Ms Alec and Ms Cooper have of Woodside.

Please let us know if you have any proposed changes.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: Clare Lakewood <clare.lakewood@edo.org.au>

Sent: Wednesday, July 19, 2023 12:39 PM

To: [REDACTED] <[\[REDACTED\]@woodside.com](mailto:[REDACTED]@woodside.com)>; Ruby Hamilton <ruby.hamilton@edo.org.au>

Cc: [REDACTED] <[\[REDACTED\]@woodside.com](mailto:[REDACTED]@woodside.com)>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com>; Alina Leikin <Alina.Leikin@edo.org.au>; Jess Border <jessica.border@edo.org.au>

Subject: RE: Scarborough Gas Project Environment Plans

Dear [REDACTED]

Thank you for your email. Please be advised that Ms Jess Border and Ms Alina Leikin of EDO have taken over carriage of this matter. They are cc-ed to this email, and will respond to your emails of today's date shortly.

Kind regards,
Clare



Clare Lakewood — Special Counsel, Safe Climate

(Mon, Tue, Wed, Thu)

PO Box Z5218, Boorloo/Perth WA 6831

P: +61 8 6118 7912

E: clare.lakewood@edo.org.au

I use she/her pronouns.

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From: [REDACTED]@woodside.com>
Sent: Wednesday, July 19, 2023 6:34 AM
To: Ruby Hamilton <ruby.hamilton@edo.org.au>
Cc: [REDACTED]@woodside.com>; Clare Lakewood <clare.lakewood@edo.org.au>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project Environment Plans

Hi Ruby

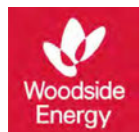
Ahead of the meeting, please provide the documents below to Josie, Raelene and Save Our Songlines.

NOPSEMA has published a number of documents on consultation (please see [Document Hub | NOPSEMA](#)).

We want to make you aware of these and have provided links to the following recent publications below:

- **Brochure:** [Consultation on offshore petroleum environment plans brochure.pdf \(nopsema.gov.au\)](#)
- **Guideline:** [Guideline: Consultation in the course of preparing an environment plan \(nopsema.gov.au\)](#); and
- **Policy:** [Draft policy for managing gender-restricted information PL2098.pdf \(nopsema.gov.au\)](#).

Kind regards



Woodside Energy
 Mia Yellagonga
 Karlak, 11 Mount Street
 Perth WA 6000

T: [REDACTED]
M: [REDACTED]
E: [REDACTED]@woodside.com
www.woodside.com

Australia



From: [REDACTED]
Sent: Tuesday, 18 July 2023 4:46 PM
To: Ruby Hamilton <ruby.hamilton@edo.org.au>
Cc: [REDACTED] <[\[REDACTED\]@woodside.com.au](mailto:[REDACTED]@woodside.com.au)>; Clare Lakewood <clare.lakewood@edo.org.au>;
sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project Environment Plans

Hi Ruby

Thanks for your email below.

Our team confirms we are available for a meeting on **Tuesday 25 July at 9am by Webex.**

Please confirm that time works for Rosie, Raelene, SOS and EDO lawyers and I'll send a calendar Teams invite to your email.

As per previous correspondence, Josie, Raelene and Save Our Songlines asked, at our 14 March 2023 meeting that Woodside continue correspondence with them, via the Environment Defenders Office. Hence our respectful request once more that the following be communicated to Josie, Raelene and Save Our Songlines.

Dear Josie, Raelene and Save Our Songlines

We received the email below from the Environmental Defenders Office (EDO).

As the EDO's email was copied to email addresses for the Chief Executive Officer of NOPSEMA, we have, as a matter of courtesy copied the same email address.

Agenda for meeting

Woodside is pleased to arrange a meeting to consult with you again.

We again invite you to share agenda items with us. So that the most can be made of the meeting, we have prepared some points below by way of draft agenda. We are keen to hear and address the issues that matter to you. So please feel free to add to the agenda items for the meeting.

Draft agenda items

1. [Josie, Raelene, SOS, topics of interest; queries]
2. More about you both and Save Our Songlines
 - the role you perform within Save Our Songlines;
 - individual interests you each have;
 - the types of communal interests that each of you and Save Our Songlines hold;
 - the functions of Save Our Songlines as an organization;
 - the activities that each of you and Save Our Songlines engage in.
3. Walk through of the following EPs
 - Scarborough 4D Baseline Marine Seismic Survey EP
 - WA-61-L and WA 62-L Subsea Infrastructure Installation EP

- Scarborough Seabed Intervention and Trunkline EP
 - Scarborough Drilling and Completions EP
4. Description of Scarborough Project and activities to be undertaken under each EP – activity, location, impacts and risks, controls in place to manage risks, mechanisms to update the EP with changes (as necessary).
 5. [PLEASE ADD TOPICS AS RELEVANT]

As per previous consultation and on your request, we are proceeding on the basis that the agreed protocols below continue to apply:

- Attendees continue to be all female.
- Attendees attend meetings with an open heart, deep listening and seeking a respectful conversation.
- Attendees come to meetings open to sharing knowledge about the environment (heritage value of places, social and cultural features) that may be affected by the activities under the proposed Scarborough EPs. Attendees come to the meeting open to sharing ideas of things that Woodside is currently doing well and things that Woodside can do to lessen or avoid impacts of the activities on the environment.
- Attendees are welcome to take written notes of meetings. To respect privacy, safety and cultural values there will be no other recording of meetings (e.g. no audio or visual etc recording of meetings).
- Other than sharing the fact that the meeting took place, the cultural details will be kept confidential amongst the female attendees unless directed otherwise and will not be made public without permission.

In case it is of interest, we also note the following draft policy from NOPSEMA: [Draft policy for managing genderrestricted information PL2098.pdf \(nopsema.gov.au\)](#)

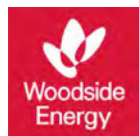
We look forward to hearing further from you.

Best regards
Woodside

[Redacted signature]

Kind regards

[Redacted signature]



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: + [Redacted]
M: + [Redacted]
E: [Redacted]@woodside.com
www.woodside.com
f t in y i

From: [Redacted]
Sent: Monday, 17 July 2023 1:46 PM
To: Ruby Hamilton <ruby.hamilton@edo.org.au>
Cc: [Redacted] <[\[Redacted\]@woodside.com.au](mailto:[Redacted]@woodside.com.au)>; Clare Lakewood <clare.lakewood@edo.org.au>;
sue.mccarrey@nopsema.gov.au
Subject: RE: Scarborough Gas Project Environment Plans

Hi Ruby

Thanks for your email.

I'll check in with the team and come back to you.

Kind regards



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: [REDACTED]
M: [REDACTED]
E: [REDACTED]@woodside.com
www.woodside.com
f t in y i

From: Ruby Hamilton <ruby.hamilton@edo.org.au>
Sent: Monday, 17 July 2023 3:23 AM
To: [REDACTED]@woodside.com.au>
Cc: [REDACTED]@woodside.com.au>; Clare Lakewood <clare.lakewood@edo.org.au>;
sue.mccarrey@nopsema.gov.au
Subject: RE: Scarborough Gas Project Environment Plans

Dear [REDACTED]

We are instructed that our clients would like to meet with Woodside, with EDO in attendance, via videoconference within the following windows:

- Tuesday 25 July, 9am-12pm or 2.30-5pm;
- Wednesday 26 July, 9am-12pm;
- Thursday 27 July, 9am-12pm;
- Friday 28 July, 9am-5pm.

We also acknowledge receipt of the letter from [REDACTED] and will revert in due course.

Kind regards

Ruby Hamilton | Solicitor | EDO
+61 8 6118 7914

From: [REDACTED]@woodside.com>
Sent: Monday, July 3, 2023 5:53 PM
To: Ruby Hamilton <ruby.hamilton@edo.org.au>; sue.mccarrey@nopsema.gov.au
Cc: [REDACTED]@woodside.com>; Clare Lakewood <clare.lakewood@edo.org.au>
Subject: RE: Scarborough Gas Project Environment Plans

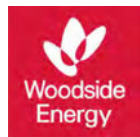
Dear Ruby

Thanks for copying Woodside to previous correspondence addressed to NOPSEMA.

Please find attached a letter from Woodside signed by [REDACTED]

Confirming we have copied Ms McCarrey of NOPSEMA.

Kind regards



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: -
M:-
E: [@woodside.com](mailto:info@woodside.com)
www.woodside.com
f t in y i

From: Ruby Hamilton <ruby.hamilton@edo.org.au>

Sent: Wednesday, 28 June 2023 5:11 PM

To: sue.mccarrey@nopsama.gov.au

Cc: [@woodside.com.au](mailto:info@woodside.com.au); [@woodside.com.au](mailto:info@woodside.com.au); clare.lakewood@edo.org.au; [@woodside.com.au](mailto:info@woodside.com.au)

Subject: Scarborough Gas Project Environment Plans

Dear Ms McCarrey

Please find **attached** correspondence on behalf of our clients, Ms Josie Alec and Ms Raelene Cooper.

Kind regards



Ruby Hamilton — Solicitor — Safe Climate
PO Box Z5218, Boorloo/Perth WA 6831
P: +61 8 6118 7914
E: ruby.hamilton@edo.org.au

I use she/her pronouns.

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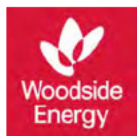
From: [REDACTED]@woodside.com>
Sent: Tuesday, 25 July 2023 10:03 AM
To: Alina Leikin; Jess Border
Cc: [REDACTED] sue.mccarrey@nopsema.gov.au; Woodside Feedback
Subject: RE: Consultation meeting

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Alina

Thanks for your email. We will rejoin at 10.05.

Kind regards



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: + [REDACTED]
M: + [REDACTED]
E: [REDACTED]@woodside.com
www.woodside.com
f t in y i

From: Alina Leikin <Alina.Leikin@edo.org.au>
Sent: Tuesday, 25 July 2023 9:59 AM
To: [REDACTED]@woodside.com.au>; Jess Border <jessica.border@edo.org.au>
Cc: [REDACTED]@woodside.com.au>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Consultation meeting

Dear [REDACTED]

Our clients are prepared to rejoin the meeting on that basis. We will rejoin the Teams link shortly.

Kind regards

Alina



Alina Leikin — Special Counsel
(Mon, Tue, Wed, Thu)
2/98 Woods St, Darwin, NT
P: +61 8 7918 1259
E: alina.leikin@edo.org.au

I use she/her pronouns.

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From: [REDACTED]@woodside.com>
Sent: Tuesday, July 25, 2023 11:22 AM
To: Jess Border <jessica.border@edo.org.au>
Cc: [REDACTED]@woodside.com>; sue.mccarrey@nopsema.gov.au;
 Woodside Feedback <Feedback@woodside.com>; Alina Leikin <Alina.Leikin@edo.org.au>
Subject: RE: Consultation meeting

Dear Jess

Our team has had a discussion regarding Josie, Raelene and SOS's request to record the meeting today. We have heard how passionate Josie, Raelene and SOS are about this.

We are prepared to re-join the meeting on the basis of the following:

- Agree to verbal / audio recording by both parties – but no visual recording.
- The recording is only to be used for the purposes of consultation for the Scarborough Environment Plans.
- Under privacy laws and with regards to personal safety, we as individual women do not consent to our names, verbal, visual or written information being shared in the public domain – by that we mean no publication including none on social media or for any activist activities.

If Josie, Raelene, SOS and EDO agree, please let us know and we will rejoin the meeting.

Kind regards



Woodside Energy
 Mia Yellagonga
 Karlak, 11 Mount Street
 Perth WA 6000
 Australia

T: +[REDACTED]
M: +[REDACTED]
E: [REDACTED]@woodside.com
www.woodside.com
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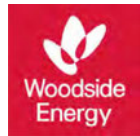
From: [REDACTED]
Sent: Tuesday, 25 July 2023 9:03 AM
To: Jess Border <jessica.border@edo.org.au>
Cc: [REDACTED]@woodside.com.au>; sue.mccarrey@nopsema.gov.au;
 Woodside Feedback <Feedback@woodside.com.au>; 'alina.leikin@edo.org.au' <Alina.Leikin@edo.org.au>
Subject: RE: Consultation meeting

Dear Jess

Thanks for your email and for letting us know.

We'll look forward to meeting for the consultation in around 10 minutes.

Kind regards



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: +61 8 9447 1000
M: +61 4 9447 1000
E: [\[redacted\]@woodside.com](mailto:[redacted]@woodside.com)
www.woodside.com
f t in v i

From: Jess Border <jessica.border@edo.org.au>
Sent: Tuesday, 25 July 2023 9:01 AM
To: [\[redacted\]@woodside.com.au](mailto:[redacted]@woodside.com.au)>
Subject: Consultation meeting

Dear [redacted]

Just letting you know we are running 10 minutes late to the meeting this morning, my apologies.

We will join the Teams meeting shortly.

Kind regards

Jess



Jess Border — Solicitor
PO Box Z5218
Boorloo/Perth WA 6831
E: jessica.border@edo.org.au

I use she/her pronouns.

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Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the annexure marked [REDACTED] 7 produced and shown to [REDACTED] at the time of
affirming her affidavit this 11 September 2023.

Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd,
the Second and Third Respondents

Prepared by: Jeremy Quan-Sing

Law firm: Allens

Tel: (08) 9488 3700

Fax: (08) 9488 3701

Email: Jeremy.Quan-Sing@allens.com.au

Address for service:

Level 11, Mia Yellagonga Tower 2, 5 Spring Street, Perth WA 6000

Email: Jeremy.Quan-Sing@allens.com.au

From: [REDACTED]
Sent: Friday, 21 July 2023 5:35 PM
To: Jess Border
Cc: [REDACTED] sue.mccarrey@nopsema.gov.au; Woodside Feedback; Alina Leikin
Subject: RE: Scarborough Gas Project Environment Plans
Categories: Added to SI & 5.4 for SITI, Lisa actioning

Dear Jess

Confirming I've sent the Tuesday morning meeting invite for a meeting between Josie, Raelene, Save Our Songlines and EDO.

Our team has discussed the draft agenda – we are comfortable that it gives guidance on topics to enable discussion and allows other issues to be raised.

So you know, our team will provide information on the broader Scarborough Project and the EPs currently being assessed. This will be useful to put the Seismic Survey EP activity in context. It will also give Josie, Raelene and Save Our Songlines an opportunity to discuss and ask questions on the other Scarborough activities EPs currently being assessed.

We would be grateful for confirmation that Josie, Raelene, Save Our Songlines and EDO agree to the meeting proceeding in accordance with the agreed protocols (as per email below).

In addition to the protocols, our team has agreed to participate with open hearts, in listening and information sharing mode and that the team members will act with integrity and respect during the meeting. We would be grateful for confirmation that your team is also attending the meeting on this basis.

Look forward to meeting next week.

Kind regards



Woodside Energy
 Mia Yellagonga
 Karlak, 11 Mount Street
 Perth WA 6000
 Australia

T: +61 8 9477 1111
M: +61 4 9477 1111
E: [REDACTED]@woodside.com
www.woodside.com
 f t in y i

From: [REDACTED]
Sent: Thursday, 20 July 2023 4:01 AM
To: Jess Border <jessica.border@edo.org.au>
Cc: [REDACTED]@woodside.com.au; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com.au>; Alina Leikin <Alina.Leikin@edo.org.au>
Subject: RE: Scarborough Gas Project Environment Plans

Dear Jess

Thanks for your email and confirmation on meeting time.

Thanks also for sending the updated agenda – we'll review and come back if there are suggested edits or changes.

A calendar invite for a Teams meeting will be sent to your email address and also Ms Leikin's email. (There may be a slight delay – I'm travelling at the moment. So the aim will be to send the invite by Friday so the correct time zone / date is sent in the meeting maker).

In the meantime, please can you confirm the meeting will proceed on the basis of the agreed protocols (as requested by Josie, Raelene and Save Our Songlines). Woodside is comfortable to proceed according to the protocols:

- Attendees continue to be all female.
- Attendees attend meetings with an open heart, deep listening and seeking a respectful conversation.
- Attendees come to meetings open to sharing knowledge about the environment (heritage value of places, social and cultural features) that may be affected by the activities under the proposed Scarborough EPs. Attendees come to the meeting open to sharing ideas of things that Woodside is currently doing well and things that Woodside can do to lessen or avoid impacts of the activities on the environment.
- Attendees are welcome to take written notes of meetings. To respect privacy, safety and cultural values there will be no other recording of meetings (e.g. no audio or visual etc recording of meetings).
- Other than sharing the fact that the meeting took place, the cultural details will be kept confidential amongst the female attendees unless directed otherwise and will not be made public without permission.

Kind regards



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: [Redacted]
M: [Redacted]
E: [Redacted]@woodside.com
www.woodside.com
f t in v @

From: Jess Border <jessica.border@edo.org.au>

Sent: Wednesday, 19 July 2023 11:19 AM

To: [Redacted] <[\[Redacted\]@woodside.com.au](mailto:[Redacted]@woodside.com.au)>

Cc: [Redacted] <[\[Redacted\]@woodside.com.au](mailto:[Redacted]@woodside.com.au)>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com.au>; Alina Leikin <Alina.Leikin@edo.org.au>

Subject: RE: Scarborough Gas Project Environment Plans

You don't often get email from jessica.border@edo.org.au. [Learn why this is important](#)

Dear [Redacted]

As stated in Clare's email below, I will be the primary contact for this matter going forward.

I have received confirmation that our clients are available to attend a meeting by Teams at 9:00am next Tuesday 25 July.

Thank you for your proposed agenda. Our revised agenda is set out below. This is the agenda that was agreed ahead of the 13 June Karratha meeting that did not proceed. As we have previously stated, we do not think it is appropriate to deal with all 4 EPs in one meeting.

DRAFT AGENDA

1. Walk through of the Scarborough 4D Baseline Marine Seismic Survey EP
2. Description of Scarborough Project and activities to be undertaken in the Scarborough 4D Baseline Marine Seismic Survey EP – activity, location, impacts and risks, controls in place to manage risks, mechanisms to update the EP with changes (as necessary).
3. More about Ms Alec, Ms Cooper and Save Our Songlines
 - o individual interests you each have;
 - o the types of communal interests that each of you hold;
 - o the activities each of you engage in that might be affected by the activities;
 - o the role you perform within Save Our Songlines;
 - o the interests that Save Our Songlines holds;
 - o the functions of Save Our Songlines as an organisation;
 - o the activities that Save Our Songlines engage in that might be affected.
4. How Woodside would update the EP in response to information about how functions, interests and activities may be affected.
5. Information Ms Alec and Ms Cooper still need from Woodside.
6. Any other requests for information or access that Ms Alec and Ms Cooper have of Woodside.

Please let us know if you have any proposed changes.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: Clare Lakewood <clare.lakewood@edo.org.au>
Sent: Wednesday, July 19, 2023 12:39 PM
To: [REDACTED] <[\[REDACTED\]@woodside.com](mailto:[REDACTED]@woodside.com)>; Ruby Hamilton <ruby.hamilton@edo.org.au>
Cc: [REDACTED] <[\[REDACTED\]@woodside.com](mailto:[REDACTED]@woodside.com)>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com>; Alina Leikin <Alina.Leikin@edo.org.au>; Jess Border <jessica.border@edo.org.au>
Subject: RE: Scarborough Gas Project Environment Plans

Dear [REDACTED]

Thank you for your email. Please be advised that Ms Jess Border and Ms Alina Leikin of EDO have taken over carriage of this matter. They are cc-ed to this email, and will respond to your emails of today's date shortly.

Kind regards,
Clare



Clare Lakewood — Special Counsel, Safe Climate

(Mon, Tue, Wed, Thu)

PO Box Z5218, Boorloo/Perth WA 6831

P: +61 8 6118 7912

E: clare.lakewood@edo.org.au

I use she/her pronouns.

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From: [REDACTED]@woodside.com>
Sent: Wednesday, July 19, 2023 6:34 AM
To: Ruby Hamilton <ruby.hamilton@edo.org.au>
Cc: [REDACTED]@woodside.com>; Clare Lakewood <clare.lakewood@edo.org.au>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project Environment Plans

Hi Ruby

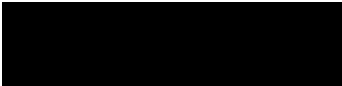
Ahead of the meeting, please provide the documents below to Josie, Raelene and Save Our Songlines.

NOPSEMA has published a number of documents on consultation (please see [Document Hub | NOPSEMA](#)).

We want to make you aware of these and have provided links to the following recent publications below:

- **Brochure:** [Consultation on offshore petroleum environment plans brochure.pdf \(nopsema.gov.au\)](#)
- **Guideline:** [Guideline: Consultation in the course of preparing an environment plan \(nopsema.gov.au\)](#); and
- **Policy:** [Draft policy for managing gender-restricted information PL2098.pdf \(nopsema.gov.au\)](#).

Kind regards



Woodside Energy
 Mia Yellagonga
 Karlak, 11 Mount Street
 Perth WA 6000
 Australia

T: [REDACTED]
M: [REDACTED]
E: [REDACTED]@woodside.com
www.woodside.com
 f t in y i

From: [REDACTED]
Sent: Tuesday, 18 July 2023 4:46 PM
To: Ruby Hamilton <ruby.hamilton@edo.org.au>
Cc: [REDACTED]@woodside.com.au>; Clare Lakewood <clare.lakewood@edo.org.au>; sue.mccarrey@nopsema.gov.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project Environment Plans

Hi Ruby

Thanks for your email below.

Our team confirms we are available for a meeting on **Tuesday 25 July at 9am by Webex**.

Please confirm that time works for Rosie, Raelene, SOS and EDO lawyers and I'll send a calendar Teams invite to your email.

As per previous correspondence, Josie, Raelene and Save Our Songlines asked, at our 14 March 2023 meeting that Woodside continue correspondence with them, via the Environment Defenders Office. Hence our respectful request once more that the following be communicated to Josie, Raelene and Save Our Songlines.

Dear Josie, Raelene and Save Our Songlines

We received the email below from the Environmental Defenders Office (EDO).

As the EDO's email was copied to email addresses for the Chief Executive Officer of NOPSEMA, we have, as a matter of courtesy copied the same email address.

Agenda for meeting

Woodside is pleased to arrange a meeting to consult with you again.

We again invite you to share agenda items with us. So that the most can be made of the meeting, we have prepared some points below by way of draft agenda. We are keen to hear and address the issues that matter to you. So please feel free to add to the agenda items for the meeting.

Draft agenda items

1. [Josie, Raelene, SOS, topics of interest; queries]
2. More about you both and Save Our Songlines
 - the role you perform within Save Our Songlines;
 - individual interests you each have;
 - the types of communal interests that each of you and Save Our Songlines hold;
 - the functions of Save Our Songlines as an organization;
 - the activities that each of you and Save Our Songlines engage in.
3. Walk through of the following EPs
 - Scarborough 4D Baseline Marine Seismic Survey EP
 - WA-61-L and WA 62-L Subsea Infrastructure Installation EP
 - Scarborough Seabed Intervention and Trunkline EP
 - Scarborough Drilling and Completions EP
4. Description of Scarborough Project and activities to be undertaken under each EP – activity, location, impacts and risks, controls in place to manage risks, mechanisms to update the EP with changes (as necessary).
5. [PLEASE ADD TOPICS AS RELEVANT]

As per previous consultation and on your request, we are proceeding on the basis that the agreed protocols below continue to apply:

- Attendees continue to be all female.
- Attendees attend meetings with an open heart, deep listening and seeking a respectful conversation.
- Attendees come to meetings open to sharing knowledge about the environment (heritage value of places, social and cultural features) that may be affected by the activities under the proposed Scarborough EPs. Attendees come to the meeting open to sharing ideas of things that Woodside is currently doing well and things that Woodside can do to lessen or avoid impacts of the activities on the environment.

- Attendees are welcome to take written notes of meetings. To respect privacy, safety and cultural values there will be no other recording of meetings (e.g. no audio or visual etc recording of meetings).
- Other than sharing the fact that the meeting took place, the cultural details will be kept confidential amongst the female attendees unless directed otherwise and will not be made public without permission.

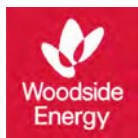
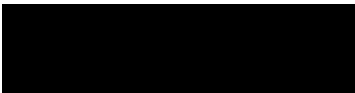
In case it is of interest, we also note the following draft policy from NOPSEMA: [Draft policy for managing genderrestricted information PL2098.pdf \(nopsema.gov.au\)](#)

We look forward to hearing further from you.

Best regards
Woodside



Kind regards



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: [REDACTED]
M: [REDACTED]
E: [REDACTED]@woodside.com
www.woodside.com
f t in y i

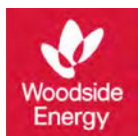
From: [REDACTED]
Sent: Monday, 17 July 2023 1:46 PM
To: Ruby Hamilton <ruby.hamilton@edo.org.au>
Cc: [REDACTED] <[\[REDACTED\]@woodside.com.au](mailto:[REDACTED]@woodside.com.au)>; Clare Lakewood <clare.lakewood@edo.org.au>;
sue.mccarrey@nopsema.gov.au
Subject: RE: Scarborough Gas Project Environment Plans

Hi Ruby

Thanks for your email.

I'll check in with the team and come back to you.

Kind regards



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: [REDACTED]
M: [REDACTED]
E: [REDACTED]@woodside.com
www.woodside.com
f t in y i

From: Ruby Hamilton <ruby.hamilton@edo.org.au>
Sent: Monday, 17 July 2023 3:23 AM

To: [REDACTED]@woodside.com.au>
 Cc: [REDACTED]@woodside.com.au>; Clare Lakewood <clare.lakewood@edo.org.au>;
 sue.mccarrey@nopsema.gov.au
Subject: RE: Scarborough Gas Project Environment Plans

Dear [REDACTED]

We are instructed that our clients would like to meet with Woodside, with EDO in attendance, via videoconference within the following windows:

- Tuesday 25 July, 9am-12pm or 2.30-5pm;
- Wednesday 26 July, 9am-12pm;
- Thursday 27 July, 9am-12pm;
- Friday 28 July, 9am-5pm.

We also acknowledge receipt of the letter from [REDACTED] and will revert in due course.

Kind regards

Ruby Hamilton | Solicitor | EDO
+61 8 6118 7914

From: [REDACTED]@woodside.com>
 Sent: Monday, July 3, 2023 5:53 PM
 To: Ruby Hamilton <ruby.hamilton@edo.org.au>; sue.mccarrey@nopsema.gov.au
 Cc: [REDACTED]@woodside.com>; Clare Lakewood <clare.lakewood@edo.org.au>
Subject: RE: Scarborough Gas Project Environment Plans

Dear Ruby

Thanks for copying Woodside to previous correspondence addressed to NOPSEMA.

Please find attached a letter from Woodside signed by [REDACTED]

Confirming we have copied Ms McCarrey of NOPSEMA.

Kind regards



Woodside Energy
 Mia Yellagonga
 Karlak, 11 Mount Street
 Perth WA 6000
 Australia

T: [REDACTED]
 M: [REDACTED]
 E: [REDACTED]@woodside.com
www.woodside.com
 f t in y i

From: Ruby Hamilton <ruby.hamilton@edo.org.au>
 Sent: Wednesday, 28 June 2023 5:11 PM
 To: sue.mccarrey@nopsema.gov.au
 Cc: [REDACTED]@woodside.com.au>; [REDACTED]
 <[REDACTED]@woodside.com.au>; Clare Lakewood <clare.lakewood@edo.org.au>; [REDACTED]
 <[REDACTED]@woodside.com.au>
Subject: Scarborough Gas Project Environment Plans

Dear Ms McCarrey

Please find **attached** correspondence on behalf of our clients, Ms Josie Alec and Ms Raelene Cooper.

Kind regards



Ruby Hamilton — Solicitor — Safe Climate

PO Box Z5218, Boorloo/Perth WA 6831

P: +61 8 6118 7914

E: ruby.hamilton@edo.org.au

I use she/her pronouns.

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EDO recognises the traditional owners and custodians of the land, seas and rivers of Australia. We pay our respects to Aboriginal and Torres Strait Islander elders past and present, and aspire to learn from traditional knowledge and customs so that, together, we can protect our environment and cultural heritage through law.

Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the annexure marked [REDACTED]-8 produced and shown to [REDACTED] at the time of
affirming her affidavit this 11 September 2023.

Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd,
the Second and Third Respondents

Prepared by: Jeremy Quan-Sing

Law firm: Allens

Tel: (08) 9488 3700

Fax: (08) 9488 3701

Email: Jeremy.Quan-Sing@allens.com.au

Address for service:

Level 11, Mia Yellagonga Tower 2, 5 Spring Street, Perth WA 6000

Email: Jeremy.Quan-Sing@allens.com.au

PRESENTATION TO SAVE OUR SONGLINES, JOSIE ALEC & RAELENE COOPER



Woodside
Energy

Scarborough Environment Plans Consultation

MS Teams Meeting| 25 July 2023

INTRODUCTIONS AND PROTOCOLS

PROTOCOLS

- Attendees continue to be all female.
- Attendees attend meetings with an open heart, deep listening and seeking a respectful conversation.
- Attendees come to meetings open to sharing knowledge about the environment (heritage value of places, social and cultural features) that may be affected by the activities under the proposed Scarborough EPs. Attendees come to the meeting open to sharing ideas of things that Woodside is currently doing well and things that Woodside can do to lessen or avoid impacts of the activities on the environment.
- Attendees are welcome to take written notes of meetings.
- Other than sharing the fact that the meeting took place, the cultural details will be kept confidential amongst the female attendees unless directed otherwise and will not be made public without permission.

- **Agree to verbal / audio recording by both parties – but no visual recording.**
- **The recording is only to be used for the purposes of consultation for the Scarborough Environment Plans.**
- **Under privacy laws and with regards to personal safety, we as individual women do not consent to our names, verbal, visual or written information being shared in the public domain – by that we mean no publication including none on social media or for any activist activities.**

AGENDA

1. Introduction
2. Regulatory Context
3. Description of the Scarborough Project
4. Scarborough 4D Baseline Marine Seismic Survey, Drilling & Completions, Subsea infrastructure, and Seabed Intervention and Trunkline Installation EPs – activity, location, impacts and risks, controls in place to manage impacts and risks
5. More about Ms Alec, Ms Cooper and Save Our Songlines
 - individual interests you each have;
 - the types of communal interests that each of you hold;
 - the activities each of you engage in that might be affected by the activities;
 - the role you perform within Save Our Songlines;
 - the interests that Save Our Songlines holds;
 - the functions of Save Our Songlines as an organisation;
 - the activities that Save Our Songlines engage in that might be affected.
6. How Woodside would update the EP in response to information about how functions, interests and activities may be affected.
7. Information Ms Alec and Ms Cooper still need from Woodside.
8. Any other requests for information or access that Ms Alec and Ms Cooper have of Woodside.



WHAT WE WOULD LIKE TO UNDERSTAND

How could the Scarborough Project activities impact your cultural values, interests and activities?

Do you have any objections / claims with respect to the proposed activities and what do you think we should do about them?

We will continue to take feedback from you for the life of the EP.

REGULATORY CONTEXT

Commonwealth Waters

- **Regulator:** **NOPSEMA** (*National Offshore Petroleum Safety and Environmental Management Authority*)
- [*Offshore Petroleum and Greenhouse Gas Storage Act 2006*](#)
- [*Offshore Petroleum and Greenhouse Gas Storage \(Environment\) Regulations 2009*](#)

➤ A petroleum activity needs to comply with an accepted EP



NOPSEMA Information on Consultation

- **Brochure:** [*Consultation on offshore petroleum environment plans brochure.pdf \(nopsema.gov.au\)*](#)
- **Guideline:** [*Guideline: Consultation in the course of preparing an environment plan \(nopsema.gov.au\); and*](#)
- **Policy:** [*Draft policy for managing gender-restricted information PL2098.pdf \(nopsema.gov.au\)*](#).



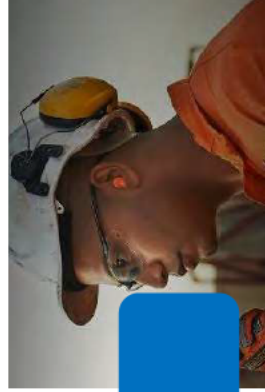
Description of Activity



Existing Environment



Risks and Impacts



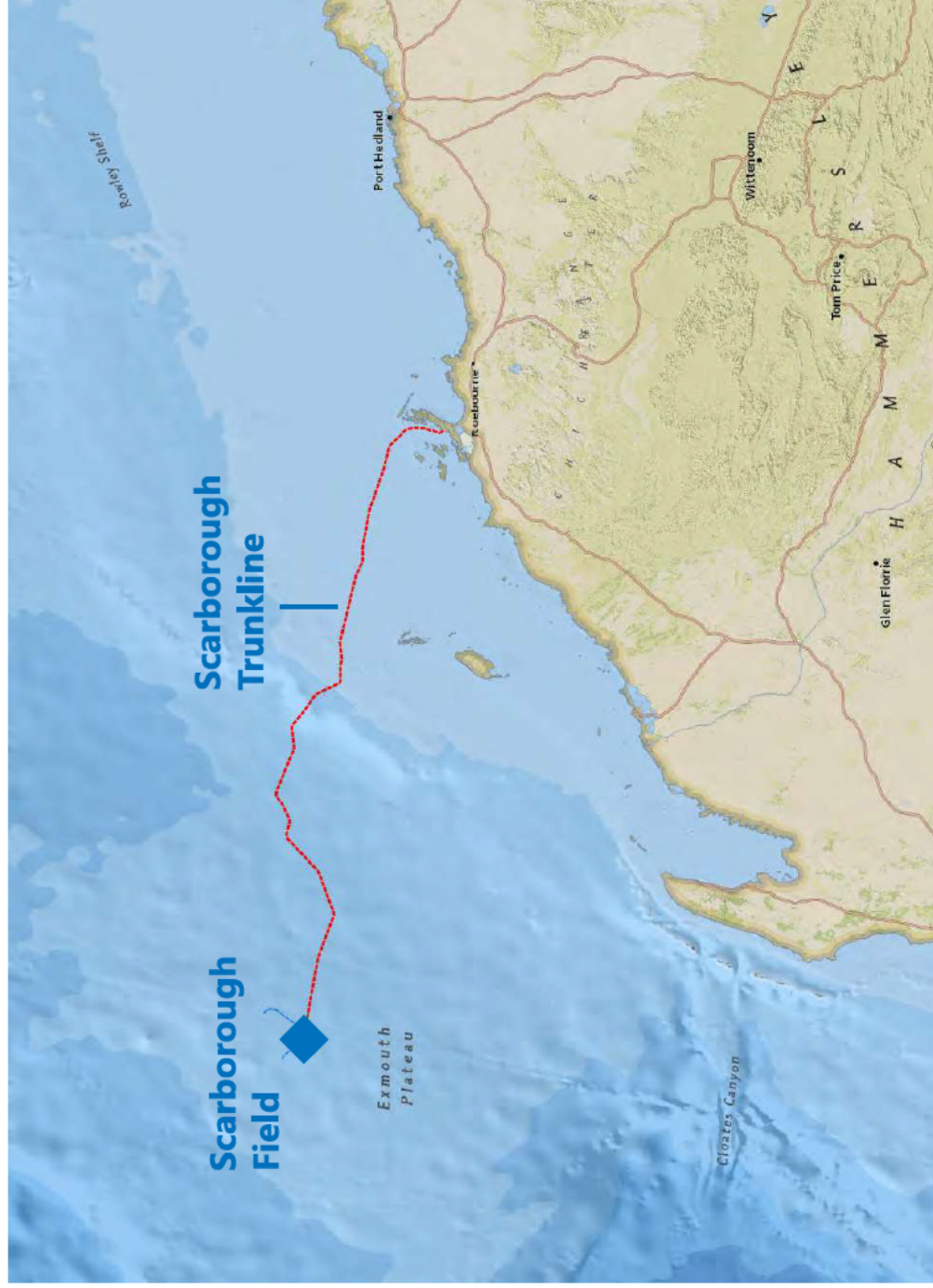
Performance Standards

SCARBOROUGH ACTIVITIES



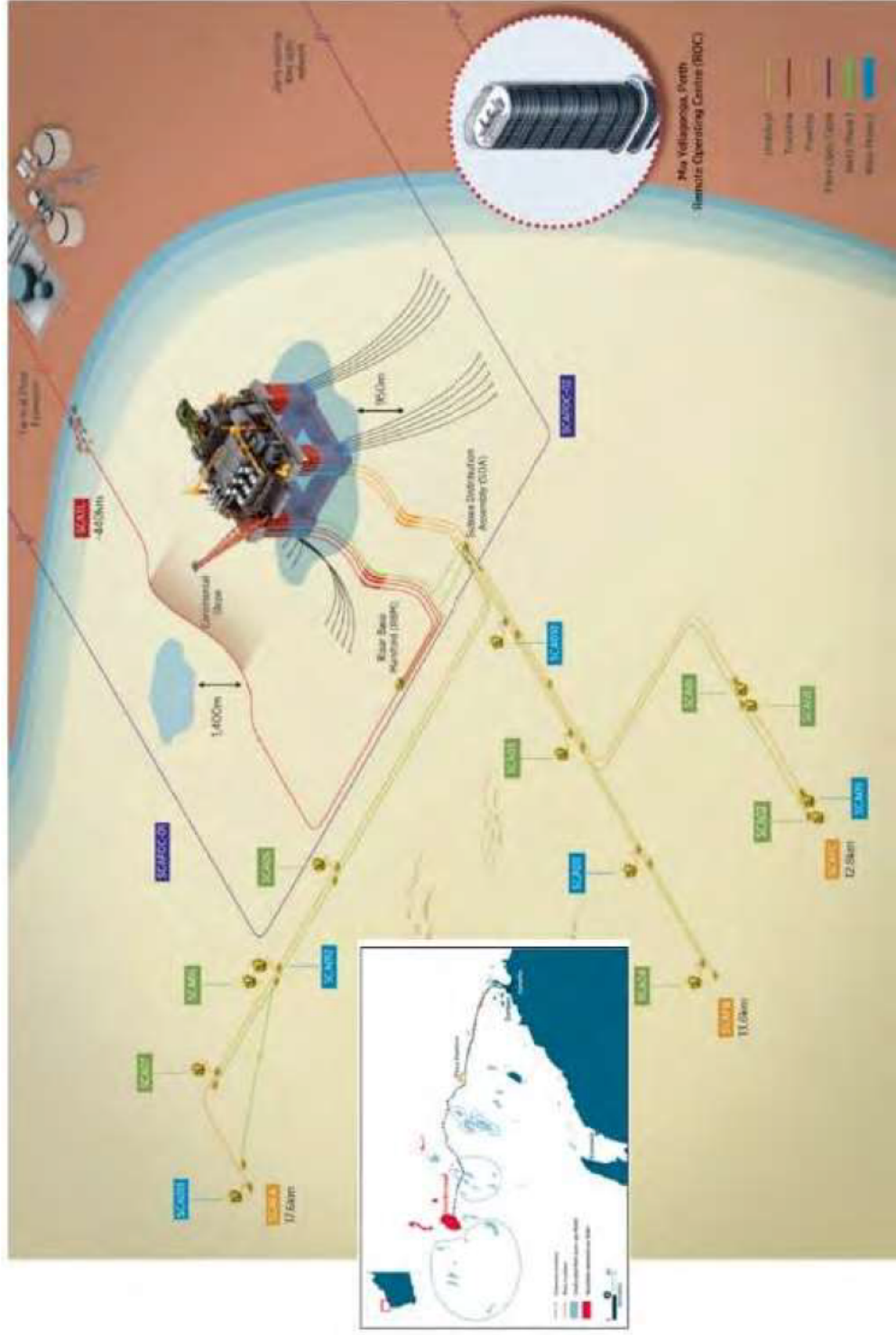
SCARBOROUGH ACTIVITIES

LOCATIONS

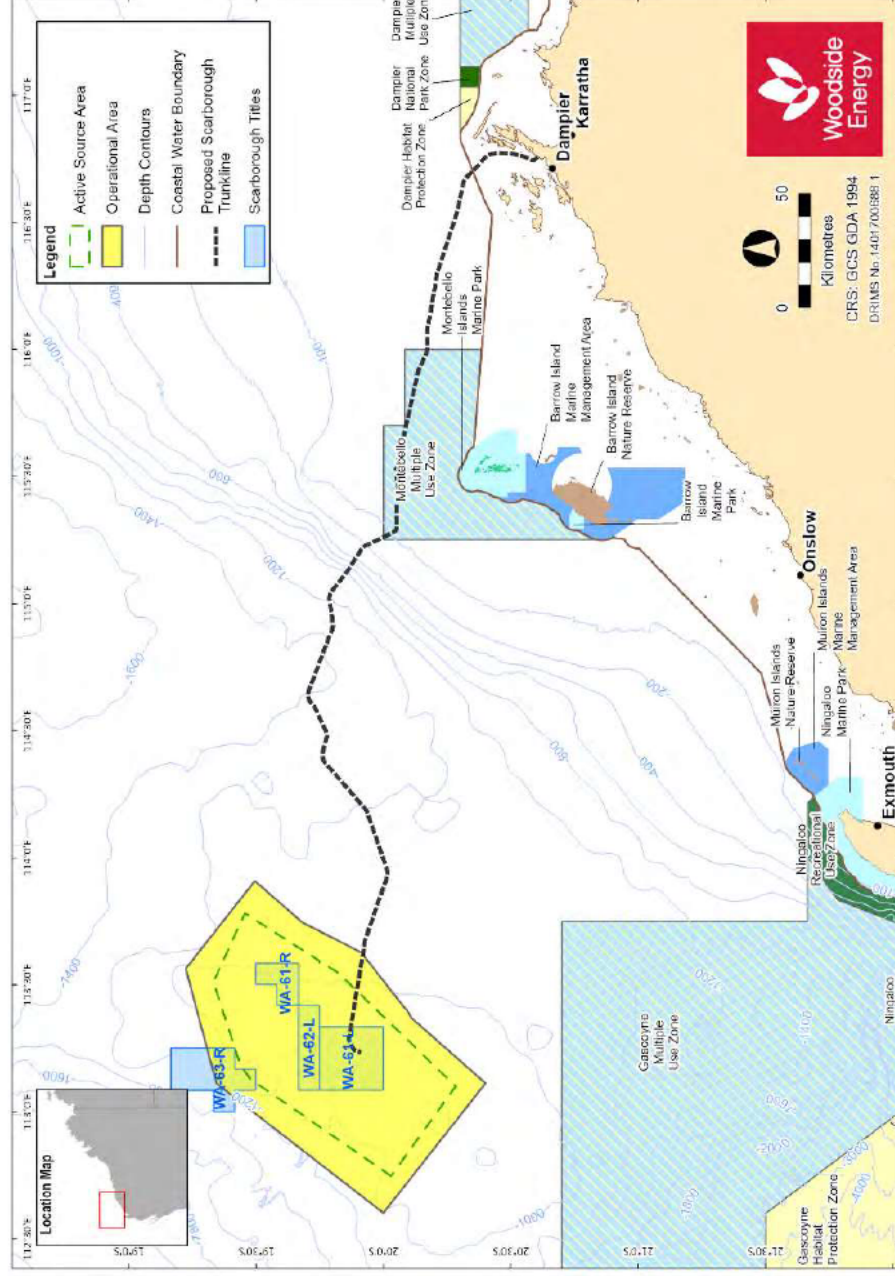


SCARBOROUGH ACTIVITIES

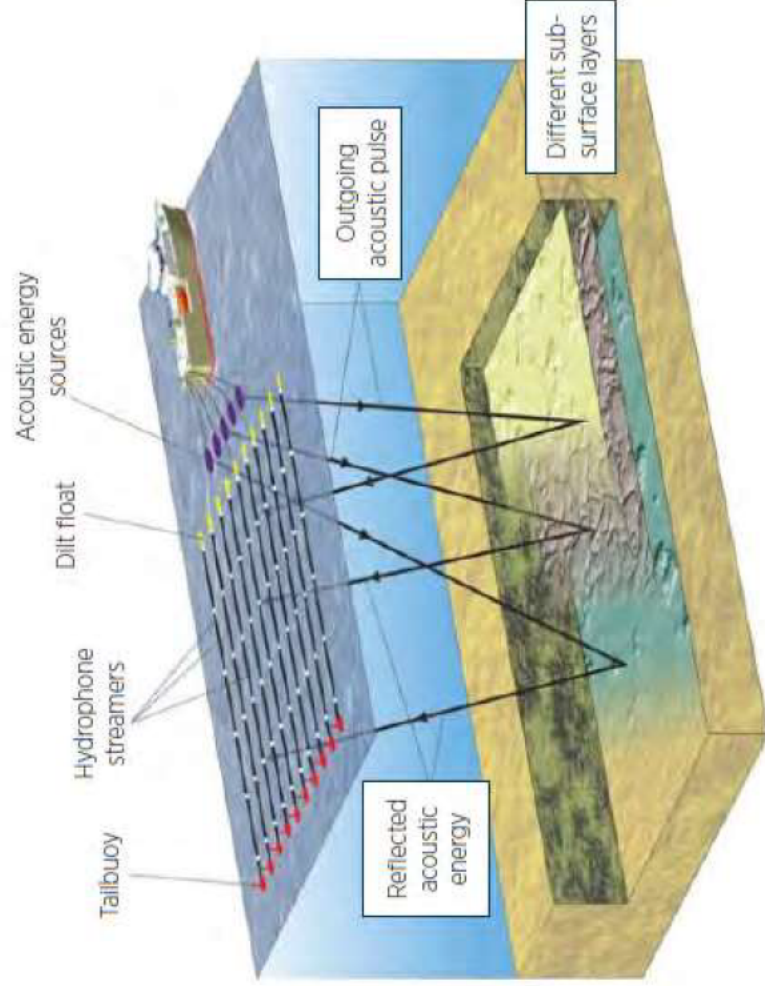
PROJECT OVERVIEW



SCARBOROUGH 4D B1 MARINE SEISMIC SURVEY



SCARBOROUGH 4D B1 MARINE SEISMIC SURVEY



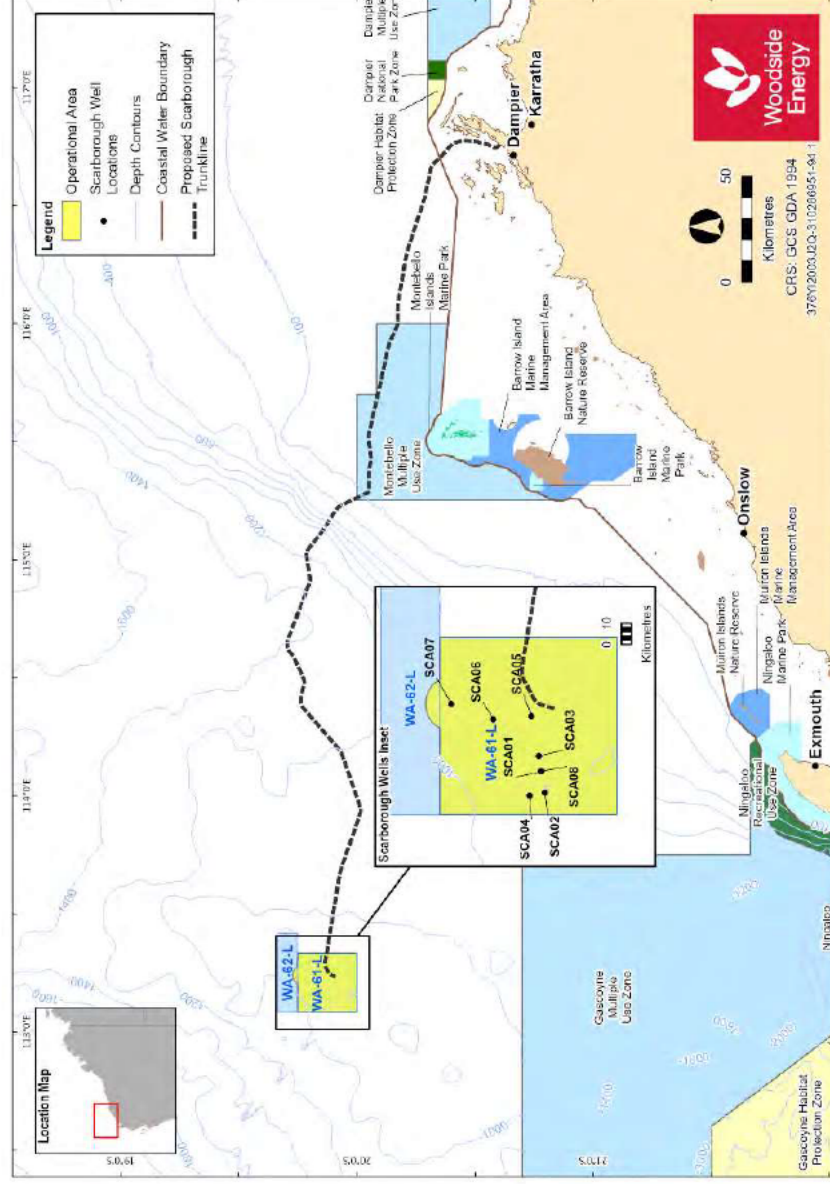
POTENTIAL IMPACTS AND CONTROLS

Potential impact	Example controls (refer to consultation information sheet and publicly available EP for more details)
Interactions with other marine users	Adhere to navigational safety requirements; Notify marine regulators and industry bodies; Consultation; 3 NM Safe Navigational Area established and communicated around the seismic vessel and towed array.
Acoustic emissions	Compliance with regulatory requirements (applicable EPBC Policy Statement 2.1); Dedicated MFOs to monitor whale sightings and trigger adaptive management; Spotter vessel if overlapping pygmy blue whale migration period; No operation of the seismic source within 25 km of the pygmy blue whale migration BIA; A 40 km separation distance applied between the activity and any identified concurrent seismic surveys.
Light emissions	Lighting will be limited to the minimum required for navigation and safe operational requirements, with the exception of emergency events.
Atmospheric emissions	Compliance with regulatory requirements for marine air pollution and GHG emissions reporting.
Vessel discharges	Compliance with regulatory requirements (e.g., marine orders)

POTENTIAL RISKS AND CONTROLS

Potential risk	Example controls (refer to consultation information sheet and publicly available EP for more details)
Unplanned hydrocarbon release	Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements; Consultation; Establish a Safety Navigation Area around vessels which are communicated to marine users; Simultaneous operations management plan; Appropriate bunkering equipment and procedures; Oil Pollution Emergency Plan (OPEP).
Unplanned discharges	Comply with regulatory requirements for the prevention of marine pollution; Implement waste management procedures; Liquid chemical and fuel storage areas are banded or secondarily contained when they are not being handled/moved temporarily; Spill kits positioned in high-risk locations around the vessel.
Physical presence: loss of equipment	Comply with regulatory requirements for navigational safety to reduce the likelihood of a collision which could result in loss of equipment; Lost equipment recovered where safe and practicable to do so.
Unplanned interaction with marine fauna	Comply with regulatory requirements for interactions with marine fauna; Streamer tail buoys fitted with appropriate turtle guards or use a design that doesn't represent an entanglement risk for turtles.
Accidental introduction of invasive marine species	Ballast water and biofouling will be managed according to regulatory requirements. Woodside's IMS risk assessment process will be applied to project vessels and immovable equipment entering the Operational Area.

SCARBOROUGH DRILLING AND COMPLETIONS



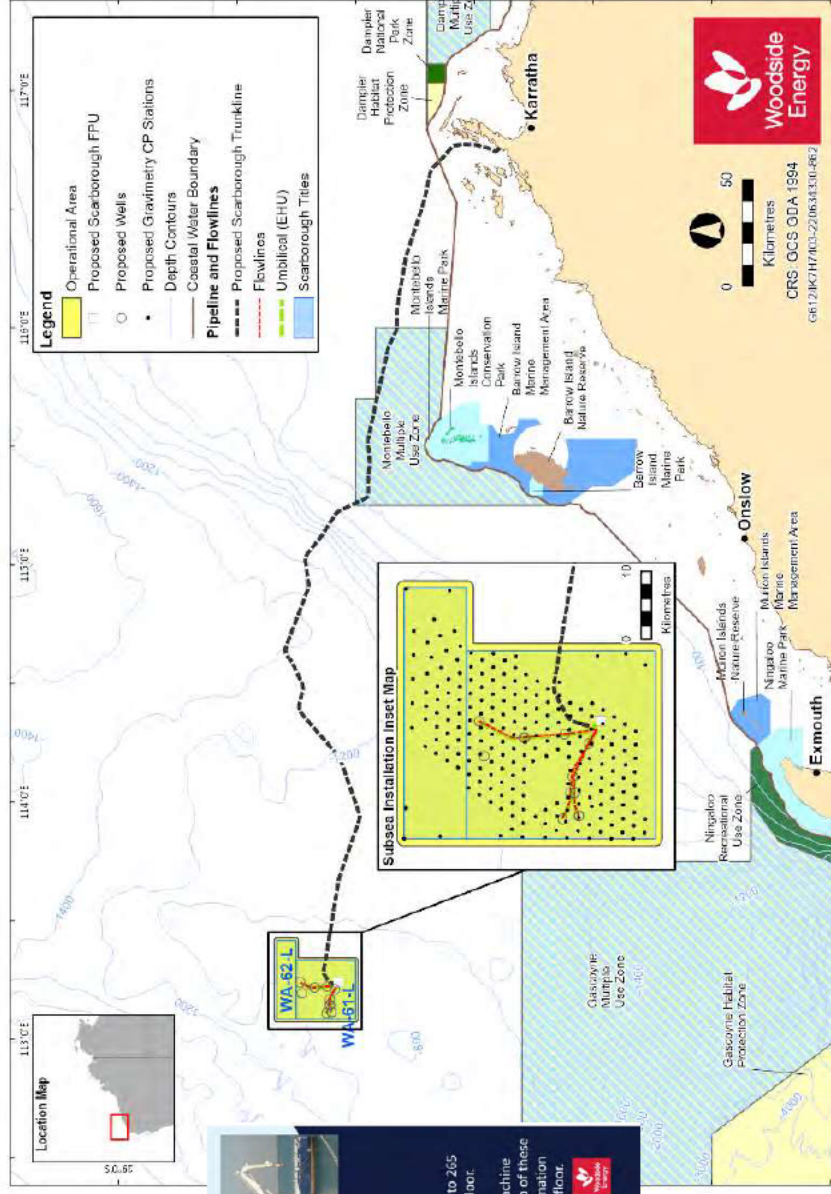
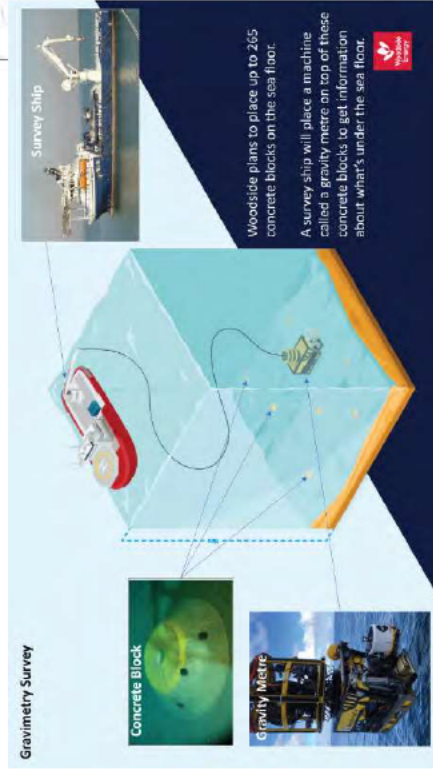
POTENTIAL IMPACTS AND CONTROLS

Potential impact	Example controls (refer to consultation information sheet and publicly available EP for more details)
Interactions with other marine users	Adhere to navigational safety requirements; Notify marine regulators and industry bodies; Consultation; Establish a 500 m petroleum safety zone around MODU and the installation vessel and communicate to marine users.
Seabed disturbance	Infrastructure will be placed on the seabed within the predefined design footprint; Project specific Mooring Design Analysis (for anchored MODU);
Acoustic emissions	Compliance with regulatory requirements; Implement adaptive management procedure prior to and during MODU/installation vessel moves to the next well location, during daylight hours.
Light emissions	Lighting limited to the minimum required for navigational and safety requirements, except for emergency events; Flaring restricted to a duration necessary to achieve the well objectives, eliminating unnecessary flared volumes and corresponding light emissions.
Atmospheric emissions	Compliance with regulatory requirements; Wells drilled in compliance with the accepted Well Operations Management Plan (WOMP); Flaring restricted to a duration necessary to achieve the well objective
Vessel / MODU discharges	Compliance with regulatory requirements; Chemicals/fluids will be selected with the lowest practicable environmental impacts and risks subject to technical constraints; Fluids contaminated with hydrocarbons will be treated to meet specified discharge limits prior to discharge or contained.

POTENTIAL RISKS AND CONTROLS

Potential risk	Example controls (refer to consultation information sheet and publicly available EP for more details)
Unplanned hydrocarbon release – vessel collision	Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements; Consultation; Establish temporary exclusion zones around vessels which are communicated to marine users; Simultaneous operations management plan; Appropriate bunkering equipment and procedures; Oil Pollution Emergency Plan (OPEP).
Unplanned hydrocarbon release – loss of well control	Wells drilled in compliance with the accepted Wells Operations Management Plan (WOMP); Source Control Emergency Response Plan; Subsea BOP specification, installation and testing; Project-specific mooring design Analysis.
Unplanned discharges	Comply with regulatory requirements for the prevention of marine pollution; Implement waste management procedures; Liquid chemical and fuel storage areas are banded or secondarily contained when they are not being handled/moved temporarily; Drilling fluid transfers are performed in accordance with the applicable contractor procedures; Spill kits positioned in high-risk locations around the vessel.
Unplanned seabed disturbance	Dropped objects to be recovered and relocated where safe and practicable to do so; Project-specific Mooring Design Analysis and mooring system testing undertaken.
Unplanned interaction with marine fauna	Comply with regulatory requirements for interactions with marine fauna;
Accidental introduction of invasive marine species	Ballast water and biofouling will be managed according to regulatory requirements. Woodside's IMS risk assessment process will be applied to project vessels and immovable equipment entering the Operational Area.

SCARBOROUGH SUBSEA INFRASTRUCTURE INSTALLATION



POTENTIAL IMPACTS AND CONTROLS

Potential impact	Example controls (refer to consultation information sheet and publicly available EP for more details)
Interactions with other marine users	Adhere to navigational safety requirements; Notify marine regulators and industry bodies; Consultation; Establish a 500 m petroleum safety zone around installation vessels and communicate to marine users.
Seabed disturbance	Infrastructure will be placed on the seabed within the design footprint using positioning technology; ROV inspection will be undertaken post-installation to confirm installation aids have been removed.
Acoustic emissions	Comply with regulatory requirements for interactions with marine fauna; Opportunistic sightings of pygmy blue whales to gauge presence and behaviour by trained vessel crew; Implement adaptive management procedure as relevant.
Light emissions	Lighting limited to minimum required for navigation and safe operational requirements with the exception of emergency events.
Atmospheric emissions	Comply with regulatory requirements for marine air pollution and GHG emissions reporting.
Vessel discharges	Compliance with regulatory requirements; Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints.
Subsea discharges	Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints; Pre-commissioning procedures developed and followed.

POTENTIAL RISKS AND CONTROLS

Potential risk	Example controls (refer to consultation information sheet and publicly available EP for more details)
Unplanned hydrocarbon release	Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements; Consultation; Establish temporary exclusion zones around vessels which are communicated to marine users; Appropriate bunkering equipment and procedures; Oil Pollution Emergency Plan (OPEP).
Unplanned discharges	Comply with regulatory requirements for the prevention of marine pollution; Implement waste management procedures; Liquid chemical and fuel storage areas are banded or secondarily contained when they are not being handled/moved temporarily; Spill kits positioned in high-risk locations around the vessel.
Unplanned seabed disturbance	Dropped objects to be recovered and relocated where safe and practicable to do so; All lifts conducted in accordance with applicable installation vessel work procedures to limit potential for dropped objects.
Unplanned interaction with marine fauna	Comply with regulatory requirements for interactions with marine fauna;
Accidental introduction of invasive marine species	Ballast water and biofouling will be managed according to regulatory requirements. Woodside's IMS risk assessment process will be applied to project vessels and immersible equipment entering the Operational Area.

SEABED INTERVENTION AND TRUNKLINE INSTALLATION



POTENTIAL IMPACTS AND CONTROLS

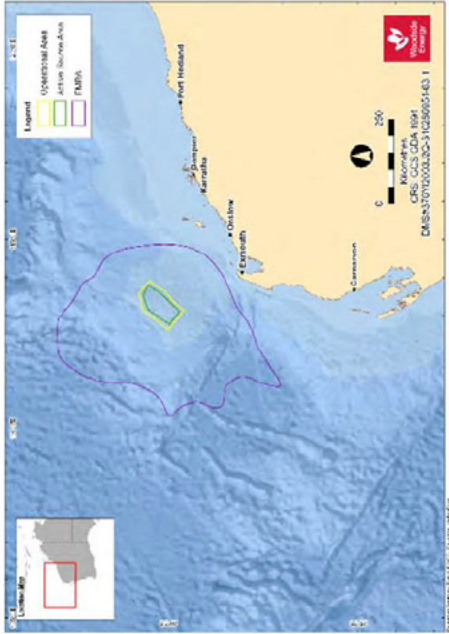
Potential impact	Example controls (refer to consultation information sheet and publicly available EP for more details)
Interactions with other marine users	Adhere to navigational safety requirements; Notify marine regulators and industry bodies; Consultation; Establish a 500 m petroleum safety zone around applicable vessels and communicate to marine users.
Seabed disturbance – dredging, spoil disposal and backfill	Comply with Sea Dumping Permit; Implement the water quality monitoring program and Tiered Monitoring and Management Framework; Implement 250 m buffer zone between the offshore borrow ground and the Dampier AMP; TSHD controls in place to minimise to sediment loss from the dredge; TSHD draghead will be positioned within approved footprints
Seabed disturbance – trunkline installation and intervention	Infrastructure will be placed on the seabed within the design footprint using positioning technology; Span rectification design for the continental slope crossing is engineered such that seabed excavation is minimised; If rock placement test dumps are required, they will be conducted within the indicative 30 m trunkline corridor.
Acoustic emissions	Compliance with regulatory requirements. The use of trained vessel crew to carry out observations for marine megafauna on relevant primary installation vessels. Manage vessel speed in the humpback whale and pygmy blue whale BIAs during migratory seasons within the Operational Area.
Light emissions	Lighting will be limited to the minimum required for navigation and safety requirements except in emergency circumstances. Relevant crew will be trained in light reduction measures when operating within 20 km of Islands between December and April. Implement the Woodside Seabird Management Plan.
Atmospheric emissions	Comply with regulatory requirements for marine air pollution and GHG emissions reporting.
Vessel discharges	Compliance with regulatory requirements; Chemicals will be selected with the lowest practicable environmental impacts and risks subject to technical constraints.

POTENTIAL RISKS AND CONTROLS

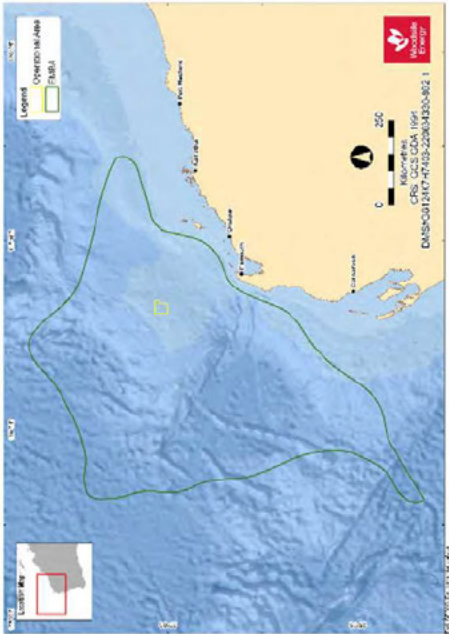
Potential risk	Example controls (refer to consultation information sheet and publicly available EP for more details)
Unplanned hydrocarbon release	Comply with regulatory requirements for the prevention of vessel collisions and safety and emergency arrangements; Consultation; Establish temporary exclusion zones around vessels which are communicated to marine users; Appropriate bunkering equipment and procedures; Oil Pollution Emergency Plan (OPEP).
Unplanned discharges	Comply with regulatory requirements for the prevention of marine pollution; Implement waste management procedures; Liquid chemical and fuel storage areas are bunded or secondarily contained when they are not being handled/moved temporarily; Spill kits positioned in high-risk locations around the vessel.
Unplanned seabed disturbance	Comply with the Sea Dumping Permit; Designated 'No dredge' out of zone alarms on the dredging vessel navigation system; Implement 250 m buffer zone between the offshore borrow ground and the Dampier AMP. Infrastructure placed on the seabed within the design footprint using positioning technology; Dropped objects to be recovered and relocated where safe and practicable to do so; Lifting activities between vessels to be carried out in accordance with requirements of third-party crossing agreement/permitting.
Unplanned interaction with marine fauna	Comply with regulatory requirements for interactions with marine fauna; Comply with Sea Dumping Permit; The use of trained vessel crew to carry out observations for marine megafauna on relevant primary installation vessels; Installation of turtle deflection chains in front of the dredge vessel drag head; Management of vessel speed in the humpback and pygmy blue whale BIAs in migration seasons within the Operational Area;
Accidental introduction of invasive marine species	Ballast water and biofouling will be managed according to regulatory requirements. Woodside's IMS risk assessment process will be applied to project vessels and immovable equipment entering the Operational Area.

SCARBOROUGH Environment that May Be Affected

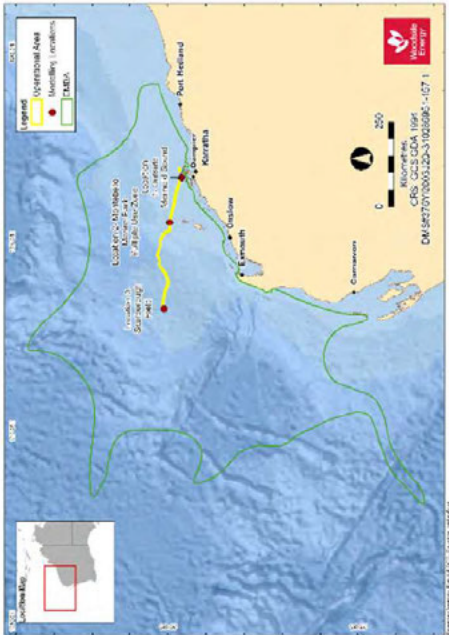
Seismic and Drilling



Subsea Installation



Trunkline Installation





23 | Scarborough consultation – confidential

FEEDBACK ON SCARBOROUGH ACTIVITIES

Q & A / DISCUSSION

CONSULTATION OUTCOMES



ADDITIONAL OR NEW INFORMATION

How Woodside would update the EP in response to information about how functions, interests and activities may be affected?

There is process in place for the life of an EP that allows the EP to be updated to include additional or new information or feedback that is received after an EP is submitted. This is the “Management of Change” process.

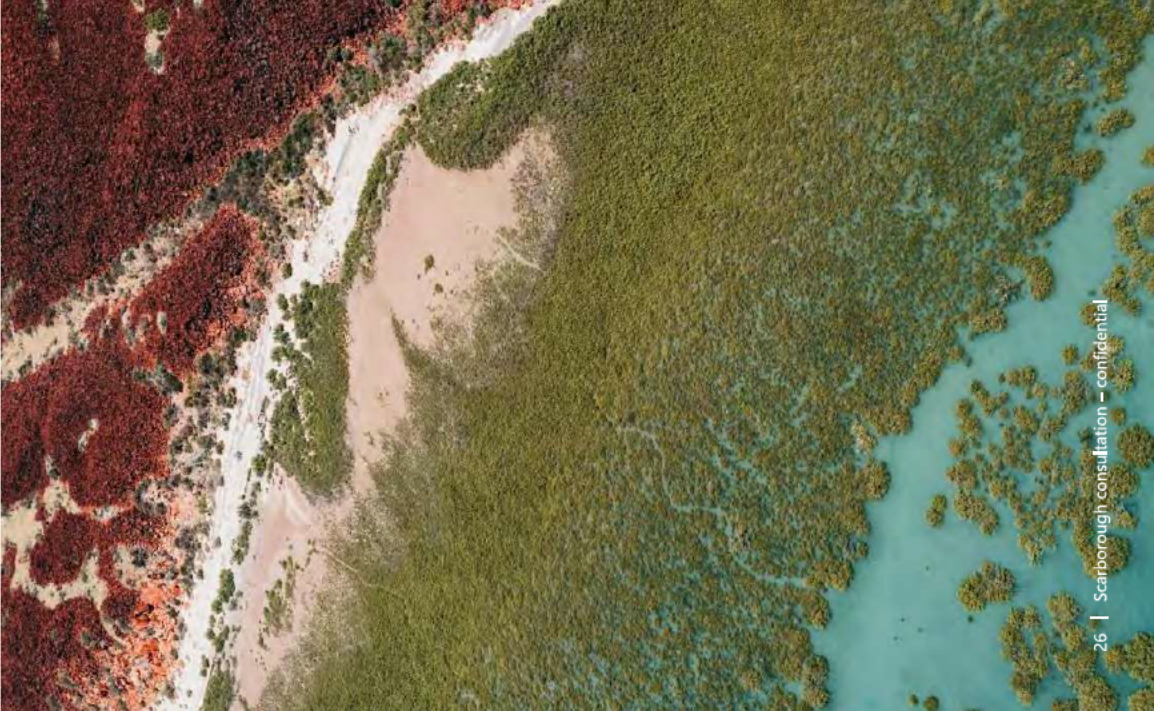
For example, if new or additional information is provided to Woodside, Woodside can consider that information and assess the risk in accordance with the environmental risk management methodology in the EP to determine the significance of potential new environmental impacts or risks not already provided for in the EP. In that context, if information changes Woodside’s understanding of the environment or understanding of measures that Woodside can take in order to lessen or avoid impacts of activities, that information can be updated and actioned in the EP.

This means that feedback or information you provide in future meetings can still be taken into account and, where appropriate, can be incorporated in the EP during the life of the activity.

CONTACTS

Woodside Feedback: 1800 442 977 /
Feedback@woodside.com.au

NOPSEMA: (08) 6188 8700 /
communications@nopsema.gov.au



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Woodside Energy Group Ltd
ABN 55 004 898 962

woodside.com



Form 3 (adapted)
Rule 29.02(8)

Annexure certificate

No VID 647 of 2023

Federal Court of Australia
District Registry: Victoria
Division: General

Raelene Cooper

Applicant

**National Offshore Petroleum Safety and Environmental Management Authority and
others named in the schedule**

Respondents

This is the annexure marked [REDACTED] 9 produced and shown to [REDACTED] at the time of
affirming her affidavit this 11 September 2023.

Filed on behalf of: Woodside Energy Scarborough Pty Ltd and Woodside Energy (Australia) Pty Ltd,
the Second and Third Respondents

Prepared by: Jeremy Quan-Sing

Law firm: Allens

Tel: (08) 9488 3700

Fax: (08) 9488 3701

Email: Jeremy.Quan-Sing@allens.com.au

Address for service:

Level 11, Mia Yellagonga Tower 2, 5 Spring Street, Perth WA 6000

Email: Jeremy.Quan-Sing@allens.com.au

From: Jess Border <jessica.border@edo.org.au>
Sent: Thursday, 7 September 2023 6:24 PM
To: [REDACTED] Clare Lakewood
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto; Raquel Carter; [REDACTED]
 [REDACTED] Woodside Feedback
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Jan

Thank you for your email.

Our clients agree to the meeting proceeding at the Red Earth Arts Precinct in Karratha. Could you please confirm that Woodside will arrange the use of the room.

Ms Alec will now be in Karratha on 12 September so there is no requirement for Woodside to book or pay for her flights to and from Perth.

The protocol is agreed, subject to the deletion below (as that subject matter is covered by the following point).

In addition to Ms Alec and Ms Cooper, Ms Lakewood and I will attend. Ms Adrianna Irvine-Stanes may also attend. Ms Alec is diabetic, and I am gluten intolerant.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [REDACTED]@woodside.com>
Sent: Thursday, September 7, 2023 2:47 PM
To: Jess Border <jessica.border@edo.org.au>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com>; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Jess

Thank you for your email.

We confirm Woodside is available to meet next **Tuesday, 12 September 2023**, and that we are pleased to arrange another meeting with Ms Cooper and Ms Alec on-Country.

Ms Cooper and Ms Alec have requested that the meeting be held at a location with a projector/screen facilities. We therefore propose that the meeting be held at the Red Earth Arts Precinct in Karratha.

Some members of the Woodside team are proposing to travel to Karratha on Tuesday 12 September on the first flight from Perth at 5:15am, returning on the 4pm flight from Karratha.

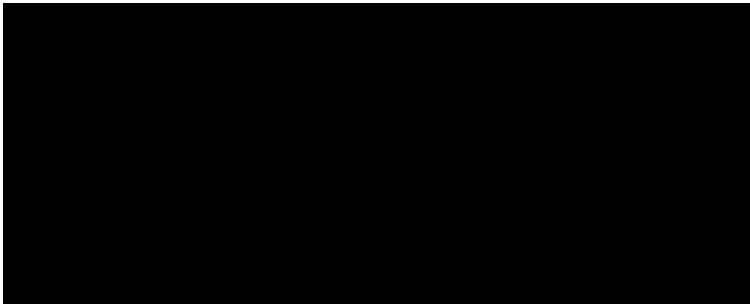
Could you please confirm Ms Alec's attendance and we will go ahead and book those same flights for Ms Alec.

Woodside is content to proceed on the basis of the previously agreed protocols – i.e. that

- Attendees continue to be all female.
- Attendees attend meetings with an open heart, deep listening and seeking a respectful conversation.
- Attendees come to meetings open to sharing knowledge about the environment (heritage value of places, social and cultural features) that may be affected by the activities under the proposed Scarborough EPs. Attendees come to the meeting open to sharing ideas of things that Woodside is currently doing well and things that Woodside can do to lessen or avoid impacts of the activities on the environment.
- Attendees are welcome to take written notes of meetings.
- To respect privacy, safety and cultural values there will be no other recording of meetings (e.g. no audio or visual etc recording of meetings).
- Attendees agree to verbal / audio recording by both parties – but no visual recording. The recording is only to be used for the purposes of consultation for the Scarborough Environment Plans. Under privacy laws and with regards to personal safety, we as individual women do not consent to our names, verbal, visual or written information being shared in the public domain – by that we mean no publication including none on social media or for any activist activities.
- Other than sharing the fact that the meeting took place, the cultural details will be kept confidential amongst females unless directed otherwise and will not be made public without permission.

Consistent with the above protocols, the Woodside attendees at the meeting are currently planned to be:

-
-
-
-
-
-



Please can you confirm who will be attending in addition to Ms Cooper and Ms Alec, and whether there are any dietary requirements, as we will organise catering.

We would like to maximise the time available for the meeting and propose that it runs from 10am until 2pm.

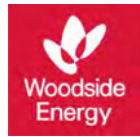
Please note that we are considering Ms Cooper and Ms Alec's proposed agenda for this meeting and other on-Country meetings and we will respond to you separately on those points.

Could you please confirm the proposed arrangements for the meeting on 12 September as soon as possible, as we will need to confirm flight details by no later than **2pm on Friday 8 September**, noting the administration involved in booking flights as well as other logistics that need to be arranged.

Finally, as previously stated, we confirm the consultation will be conducted on a non-admission basis given Woodside and Ms Alec, Ms Cooper and SOS' different views on whether consultation has occurred in accordance with the Environment Regulations and the conditions.

Kind regards

[Redacted signature]



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From: Jess Border <jessica.border@edo.org.au>
Sent: Thursday, 7 September 2023 8:37 AM
To: [REDACTED]@woodside.com; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

Could you please confirm that Woodside is available to proceed with the meeting in Karratha on 12 September, with the format proposed in our email below.

We would be grateful for your prompt response so we can organise flights and accommodation.

Kind regards

Jess Border | Solicitor | EDO

From: Jess Border <jessica.border@edo.org.au>
Sent: Monday, September 4, 2023 11:04 AM
To: [REDACTED]@woodside.com; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com.au; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

We refer to your email of 29 August 2023.

We understand that the consultation will take place on a no-admission basis given the diverging views of the parties. For the avoidance of doubt, we reiterate our clients' position that consultation has not occurred as required by and in accordance with the Regulations or the conditions.

Thank you for your offer of a two-day workshop. As you will be aware, the NOPSEMA guideline on Consultation in the Court of Preparing an Environment Plan (**Guideline**) explains that titleholders should engage with persons and organisations in their consultation processes, including by adapting consultation processes to the nature of the persons to be consulted. It is to be a genuine and meaningful two-way dialogue.

We have taken instructions and our clients would like consultation to proceed in the following way:

- On Tuesday 12 September, the parties meet to go through the Seismic Survey EP, so that questions can be asked and answered of Woodside. Our clients request that the meeting be held at a location at which the Seismic Survey EP can be projected on a screen and discussed. We are aware that Woodside has provided initial information on the Seismic Survey EP at the 25 July meeting, but our clients would like to review the content of the Seismic Survey EP in a collaborative way.
- A second meeting be held, on Country, at which the attendees will visit the islands off Murujuga. This meeting is to be held on a date after 29 September 2023. Our clients currently have general availability in the first two weeks of October. If you could please let us know Woodside's representatives' availability in that week we can arrange specific dates with our clients.

Spacing the meetings in this way will ensure that our clients have sufficient time to reflect on the information provided so they may make an informed assessment of the possible consequences on their functions, interests and activities.

We confirm we previously provided availability in the week starting 18 September, but our clients now request that the meeting be moved to a later date due to sorry business occurring in that week, and unavailability of legal representatives in the following week.

We would like to emphasise that it is important that our clients have time to build a relationship with Woodside's representatives, to foster respect and trust, and thereby ensure they feel comfortable sharing information about their functions, interests and activities.

We also anticipate that, after the second meeting, there be a further meeting at which Woodside may explain the appropriate measures it has considered and will adopt to ensure that the impacts of the activities the subject of the Seismic Survey EP are as low as reasonably practicable, in light of the matters raised by our clients in consultation.

The above is similar to our initial proposal of how consultation should proceed, as set out in my email of 25 July 2023.

As to agreed protocols, could you please confirm that we are proceeding on the basis that audio recordings of the meeting are permissible, as agreed at the 25 July consultation. We understand that only women will attend the meetings, for cultural safety.

As to your request for a video, it was our clients' intention to provide to Woodside a video taken on Murujuga. In light of subsequent events that are now the subject of Federal Court proceedings VID 647/2023 Cooper v NOPSEMA & Ors, our clients no longer intend to provide that video, but would instead prefer to consult with Woodside in person.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [REDACTED]@woodside.com>
Sent: Friday, September 1, 2023 12:28 PM
To: Jess Border <jessica.border@edo.org.au>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com>; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Jess

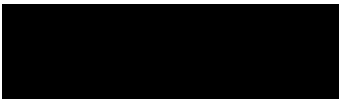
Thanks for your email.

I am following up on my email below regarding scheduling time to meet to facilitate ongoing consultation with Ms Alec, Ms Cooper and Save Our Songlines in relation to Woodside Environment Plans.

We would be grateful for confirmation on whether Ms Alec, Ms Cooper and Save Our Songlines are available to meet on 12 and 13 September 2023, for a 2-day on-Country workshop. We are keen to arrange flights and other logistics as soon as possible.

We look forward to hearing from you.

Kind regards



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From: Jess Border <jessica.border@edo.org.au>
Sent: Wednesday, 30 August 2023 2:22 PM
To: [Redacted]@woodside.com; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [Redacted]@woodside.com.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [Redacted]

Thank you for your email.

We are seeking instructions and will revert as soon as possible.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [Redacted]@woodside.com
Sent: Tuesday, August 29, 2023 3:48 PM
To: Jess Border <jessica.border@edo.org.au>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [Redacted]@woodside.com.au; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Jess

Thanks for your email.

We confirm that our team is available and willing to meet on country. We are proposing that this occur on **Tuesday 12 and Wednesday 13 September 2023**.

As you will appreciate, Woodside remains of the view that it has satisfied consultation requirements under Regulation 11A of the OPGGS (E) Regulations and that consultation is continuing in accordance with conditions 5 and 6 of the acceptance conditions of the Seismic EP. We respectfully acknowledge that your clients hold a different view. However as you will understand, the agreement to meet and the meeting is on a no-admission basis in relation to the issue of whether or not Woodside has satisfied its consultation requirements.

Please confirm these dates are suitable and, as per your email below, we will make arrangements for a return airfare for Ms Alec.

As per previous correspondence, Ms Alec, Ms Cooper and Save Our Songlines asked, at our 14 March 2023 meeting that Woodside continue correspondence with them, via the Environment Defenders Office. Hence our respectful request once more that the following be communicated to Ms Alec, Ms Cooper and Save Our Songlines.

Dear Josie, Raelene and Save Our Songlines

Consultation meeting on country

We are pleased to arrange another meeting with you on Country. The purpose is to engage in ongoing consultation with you in relation to Woodside's Environment Plans.

This agreement to meet and also ongoing consultation is on a no-admission basis. As you will appreciate, Woodside remains of the view that it has satisfied consultation requirements under Regulation 11A of the OPGGS (E) Regulations and that consultation is continuing in accordance with conditions 5 and 6 of the acceptance conditions of the Seismic EP. We respectfully acknowledge that you hold a different view.

To manage availability and so that there is ample time for you to ask questions, share your knowledge and information and to be heard; as well as time for us to listen, share information and engage in a two-way dialogue with you, we propose a 2-day on-country workshop.

We propose that the workshop would run from **Tuesday 12 September** to **Wednesday 13 September 2023**.

From our perspective a key objective of the meeting will be for Woodside to receive any information that you wish to share on cultural features and heritage values.

As per prior consultation we are proceeding on the basis that the agreed protocols continue to apply.

Please confirm your availability for a 2-day workshop on 12 and 13 September 2023. Once we have that confirmation, we can make arrangements to pay for Josie's return travel Perth-Karratha-Perth (as per EDO's email below) and can circulate an agenda.

We note that from previous communications, we were expecting that you would provide us with a video, taken on Murujuga. We are keen to receive this as soon as practicable.

We look forward to hearing further from you.

Best regards
Woodside

Kind regards





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f t in v i

From: Jess Border <jessica.border@edo.org.au>
Sent: Friday, 25 August 2023 1:33 PM
To: [REDACTED]@woodside.com.au; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

That's correct.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [REDACTED]@woodside.com.au
Sent: Friday, August 25, 2023 1:17 PM
To: Jess Border <jessica.border@edo.org.au>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Jess

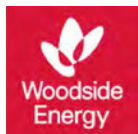
Thanks for your email below.

So that I can seek dates from the business, may I please seek clarification.

Are we correct in understanding that Ms Alec, Ms Cooper and SOS are available to meet:

- on country in Karratha between 19-21 September
- on country in Karratha between 11-13 September as long as Woodside pays for Ms Alec's return airfare Perth – Karratha - Perth

Kind regards



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Australia



From: Jess Border <jessica.border@edo.org.au>
Sent: Friday, 25 August 2023 1:03 PM
To: [REDACTED] <[\[REDACTED\]@woodside.com.au](mailto:[REDACTED]@woodside.com.au)>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED] <[\[REDACTED\]@woodside.com.au](mailto:[REDACTED]@woodside.com.au)>; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

I write further to my email below.

Our clients will be interstate in the week starting 4 September 2023.

Our clients' preference is that further consultation be held in Karratha, on Country, on day(s) between and including 19 – 21 September 2023. The reason for this is that Ms Alec will already be in Karratha this week for sorry business. Our clients are generally available to meet in Karratha on day(s) between and including 11 – 13 September, if Woodside is willing to pay for Ms Alec's return airfare from Perth.

Please let me know Woodside's position.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: Jess Border <jessica.border@edo.org.au>
Sent: Tuesday, August 22, 2023 2:43 PM
To: [REDACTED] <[\[REDACTED\]@woodside.com](mailto:[REDACTED]@woodside.com)>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED] <[\[REDACTED\]@woodside.com](mailto:[REDACTED]@woodside.com)>; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

Thank you for your email below.

We note that Ms Alec and Ms Cooper provided their September availability at the end of July, so we will need to discuss whether these dates remain feasible. We will obtain instructions and come back to you as soon as possible.

We otherwise reiterate that our clients remain willing to consult. For the avoidance of doubt, our clients' position remains that the Acceptance of 31 July 2023 is invalid and hence that any consultation would be undertaken in accordance with Woodside's obligations under reg 11A.

Our clients reserve their rights.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [REDACTED]@woodside.com>
Sent: Monday, August 21, 2023 4:08 PM
To: Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; Jess Border <jessica.border@edo.org.au>; [REDACTED] <[REDACTED]@woodside.com>; Woodside Feedback <Feedback@woodside.com>
Subject: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Clare

Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

We refer to previous correspondence which references the Scarborough 4D B1 Marine Seismic Survey Environment Plan (Seismic EP), accepted by NOPSEMA on 31 July 2023, with conditions. Please see the notes below and the attachments.

With reference to Condition 6 of the conditions, we respectfully seek to consult with Ms Alec, Ms Cooper and Save Our Songlines on the Seismic EP changes and the control measures proposed to be adopted to manage potential impacts and risks of the activity to as low as reasonably practicable (ALARP) and acceptable levels. Following consultation, if relevant comments are provided, Woodside intends on submitting to NOPSEMA a report confirming the views of Ms Alec, Ms Cooper and Save Our Songlines, in accordance with Condition 6 b).

We note that Ms Alec, Ms Cooper and Save Our Songlines most recently noted that they would be available for a consultation meeting in the week commencing 4 September 2023. We remain open to consulting with them and would be grateful to obtain their available dates for that meeting in September or sooner.

We otherwise note the following in relation to the relevant conditions regarding consultation.

Condition 1

1. Prior to commencement of the activity, the titleholders must consult with registered native title bodies corporate, representative Aboriginal / Torres Strait Islander bodies and other persons or organisations identified as a relevant person in relation to the First Nations cultural heritage in Tables 5-3 and 5-4 of the EP to confirm whether:
 - a. They are aware of any people, who in accordance with Indigenous tradition, may have spiritual and cultural connections to the environment that may be affected by the activity that have not yet been afforded the opportunity to provide information that may inform the management of the activity
 - b. There is any information they wish to provide on cultural features and/or heritage values.

We confirm that, prior to commencement of the activity, Woodside consulted Ms Alec, Ms Cooper and Save Our Songlines, requesting the above information on 3 August and 9 August 2023.

In addition to the extensive consultation opportunities afforded to Ms Alec, Ms Cooper and Save Our Songlines during the preparation of the Seismic EP, Woodside consulted with Ms Alec, Ms Cooper and Save Our Songlines after the submission of the Seismic EP on the following dates:

1. A meeting held between Woodside and Ms Alec, Ms Cooper and Save Our Songlines on 25 July 2023;
2. Correspondence exchanged following that meeting, including emails exchanged from 25 July to present.

Condition 2

2. The purpose of the consultation outlined in Condition 1 is to be communicated, and relevant persons are provided with a copy of the NOPSEMA Consultation on offshore environment plans Brochure as part of consultation.

In a number of pieces of correspondence, including those of 3 August and 9 August 2023, Woodside communicated the purpose of consultation and also provided to Ms Alec, Ms Cooper and Save Our Songlines, the NOPSEMA Consultation on offshore petroleum environment plans brochure.

Condition 3

3. The method of consultation is informed by the relevant persons being consulted.

Meetings with Ms Alec, Ms Cooper and Save Our Songlines have been informed by Ms Alec, Ms Cooper and Save Our Songlines. From recent correspondence, Ms Alec, Ms Cooper and Save Our Songlines requested at least 6 weeks time before having another meeting. Our understanding is that Ms Alec, Ms Cooper and Save Our Songlines intend to provide us with their available dates in September for a meeting on country. As described above, Woodside remains available to meet at your earliest convenience.

Condition 4

4. If at any time, as a result of compliance with Condition 1, relevant persons are identified, they must be consulted in accordance with the NOPSEMA Guideline on Consultation in the course of preparing an environment plan (GL2086).

Woodside notes that Ms Alec, Ms Cooper and Save Our Songlines have referenced Murujuga Aboriginal Corporation but have not otherwise made us aware of other persons.

Condition 5

5. At any time, prior to or during the activity, if new cultural features and/or heritage values of places within the environment that may be affected by the activity are identified that are not described in the EP, the titleholders must:
 - a. Ensure the environmental impacts and risks of the activity continue to be managed to as low as reasonably practicable and an acceptable level.
 - b. Notify NOPSEMA in writing within 7 days of these cultural and/or heritage values of places and the potential environmental impacts and risks.

Woodside has considered the topics raised by Ms Alec, Ms Cooper and Save Our Songlines at the meeting on 25 July 2023 and has proposed amendments to the Seismic EP, in accordance with Woodside's Management of Knowledge and Management of Change processes. The proposed changes to the Seismic EP are outlined in Attachment A. Woodside has also notified NOPSEMA, in accordance with this condition, to advise of the topics raised by Ms Alec, Ms Cooper and Save Our Songlines at the meeting on 25 July 2023 and outlined the potential environmental impacts and risks to those topics.

Condition 6

6. The titleholders must submit a report to NOPSEMA no later than 14 days after the notification in Condition 5 which confirms the following:
 - a. The control measures that have been adopted to ensure that the environmental impacts and risks of the activity will be reduced to as low as reasonably practicable and an acceptable level.
 - b. The consultation undertaken with any relevant persons to develop those control measures including
 - i. The control measures that those persons considered reasonably necessary to manage impacts on the cultural features and/or heritage values in accordance with indigenous tradition; and
 - ii. The views of the relevant persons in relation to the control measures

Woodside has developed the information in the attachments in accordance with Condition 6 a). As set out above, we respectfully seek to consult with Ms Alec, Ms Cooper and Save our Songlines on the week commencing 4 September or sooner on the Seismic EP changes and the control measures proposed to be adopted to manage potential impacts and risks of the activity, on the topics raised by Ms Alec, Ms Cooper and Save Our Songlines, to ALARP and acceptable levels.

For clarity, Woodside intends on submitting to NOPSEMA a report on the views of Ms Alec, Ms Cooper and Save Our Songlines, in accordance with Condition 6 b).

Please confirm when Ms Alec, Ms Cooper and Save Our Songlines are available to consult as noted above. Woodside is ready, willing and able to meet and consult with Ms Alec, Ms Cooper and Save Our Songlines.

Kind regards





Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

T: [REDACTED]
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From: [REDACTED]@woodside.com>
Sent: Monday, 11 September 2023 12:50 PM
To: Clare Lakewood; Jess Border
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto; Raquel Carter; [REDACTED]
 [REDACTED] Woodside Feedback
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Claire

Thanks for your email. Thanks also to Jess for her email and confirming the protocol is agreed (with the noted deletion).

We are pleased to continue engaging in ongoing consultation with Ms Cooper, Ms Alec and Save Our Songlines in relation to Woodside's Environment Plans, including the Seismic Survey EP. We note that Ms Cooper, Ms Alec and Save Our Songlines wish to go through the Scarborough 4D B1 Marine Seismic Survey EP (**Seismic Survey EP**) which has previously been provided to Ms Cooper, Ms Alec and Save Our Songlines (along with fact sheets) and is on NOPSEMA's website. We propose the purpose of our engagement is to that Ms Cooper, Ms Alec and Save Our Songlines can provide information and so that further questions (in addition to those previously asked) can be asked and answered of Woodside.

To that end, we propose to provide a description of the Scarborough Project and the activities to be undertaken in the Seismic Survey EP, including the activity, location, impacts and risks, and the controls in place to manage those impacts and risks. Noting the length of the Seismic Survey EP, and in the interest of ensuring a productive meeting, we would be grateful if you could provide an indication of Ms Cooper, Ms Alec and Save Our Songlines proposed questions so that we can come prepared to address those queries tomorrow. Woodside is keen to hear and address the issues that matter to Ms Cooper, Ms Alec and Save Our Songlines.

Woodside would also like to again provide an overview of the broader Scarborough Project activities so that the context of the Seismic activity is clear.

In addition to information, fact sheets and the EPs for the Scarborough Project that have already been provided to Ms Alec, Ms Cooper and Save Our Songlines (as well as being available on NOPSEMA's website), Woodside will also provide a refresher on information relevant to the Drilling & Completions EP, the Subsea Infrastructure Installation EP, and the Seabed Intervention and Trunkline Installation EP. This will provide another opportunity for Ms Alec and Ms Cooper to discuss their interests and any claims and objections in the broader context and on the broader Scarborough Project footprint.

Woodside acknowledges that it is important to Ms Cooper, Ms Alec and Save Our Songlines to continue to build a relationship with Woodside's representatives, and it considers that ongoing consultation is important in that context. Woodside continues to invite Ms Cooper, Ms Alec and Save Our Songlines to continue sharing their specific interests so that Woodside can continue to consider the potential impacts and risks of the EP activities on these interests, and what Woodside can do to avoid or lessen those impacts, as part of its commitment to ongoing consultation during the life of an environment plan.

Kind regards

[REDACTED]



Woodside Energy
Mia Yellagonga
Karlak, 11 Mount Street
Perth WA 6000
Australia

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From: Clare Lakewood <clare.lakewood@edo.org.au>

Sent: Monday, 11 September 2023 12:27 PM

To: [REDACTED]@woodside.com>; Jess Border <jessica.border@edo.org.au>

Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com.au>; Woodside Feedback <Feedback@woodside.com.au>

Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

We refer to your email below.

Noting that the scheduled meeting is less than 24 hours away, we would be grateful for confirmation that Woodside agrees with our clients' proposal that tomorrow's consultation meeting be so that the parties may walk through the Seismic Survey EP, so that our clients can ensure that they understand the nature of the activities and questions can be asked and answered of Woodside.

Yours sincerely,
Clare



Clare Lakewood — Special Counsel, Safe Climate

(Mon, Tue, Wed, Thu)

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E: clare.lakewood@edo.org.au

I use she/her pronouns.

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EDO recognises the traditional owners and custodians of the land, seas and rivers of Australia. We pay our respects to Aboriginal and Torres Strait Islander elders past and present, and aspire to learn from traditional knowledge and customs so that, together, we can protect our environment and cultural heritage through law.

From: [REDACTED]@woodside.com>

Sent: Thursday, September 7, 2023 2:47 PM

To: Jess Border <jessica.border@edo.org.au>; Clare Lakewood <clare.lakewood@edo.org.au>

Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com>;

Woodside Feedback <Feedback@woodside.com>

Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Jess

Thank you for your email.

We confirm Woodside is available to meet next **Tuesday, 12 September 2023**, and that we are pleased to arrange another meeting with Ms Cooper and Ms Alec on-Country.

Ms Cooper and Ms Alec have requested that the meeting be held at a location with a projector/screen facilities. We therefore propose that the meeting be held at the Red Earth Arts Precinct in Karratha.

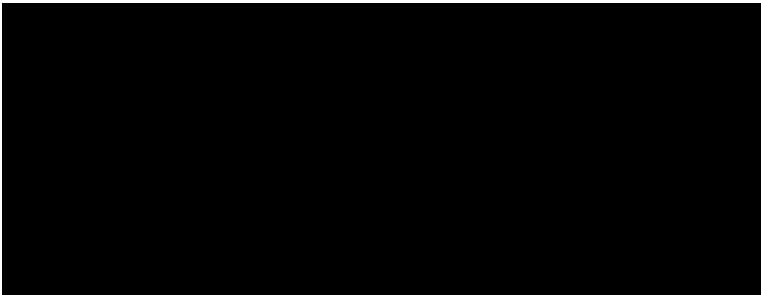
Some members of the Woodside team are proposing to travel to Karratha on Tuesday 12 September on the first flight from Perth at 5:15am, returning on the 4pm flight from Karratha.

Could you please confirm Ms Alec's attendance and we will go ahead and book those same flights for Ms Alec.

Woodside is content to proceed on the basis of the previously agreed protocols – i.e. that

- Attendees continue to be all female.
- Attendees attend meetings with an open heart, deep listening and seeking a respectful conversation.
- Attendees come to meetings open to sharing knowledge about the environment (heritage value of places, social and cultural features) that may be affected by the activities under the proposed Scarborough EPs. Attendees come to the meeting open to sharing ideas of things that Woodside is currently doing well and things that Woodside can do to lessen or avoid impacts of the activities on the environment.
- Attendees are welcome to take written notes of meetings.
- To respect privacy, safety and cultural values there will be no other recording of meetings (e.g. no audio or visual etc recording of meetings).
- Attendees agree to verbal / audio recording by both parties – but no visual recording. The recording is only to be used for the purposes of consultation for the Scarborough Environment Plans. Under privacy laws and with regards to personal safety, we as individual women do not consent to our names, verbal, visual or written information being shared in the public domain – by that we mean no publication including none on social media or for any activist activities.
- Other than sharing the fact that the meeting took place, the cultural details will be kept confidential amongst females unless directed otherwise and will not be made public without permission.

Consistent with the above protocols, the Woodside attendees at the meeting are currently planned to be:

- 
-
-
-
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-

Please can you confirm who will be attending in addition to Ms Cooper and Ms Alec, and whether there are any dietary requirements, as we will organise catering.

We would like to maximise the time available for the meeting and propose that it runs from 10am until 2pm.

Please note that we are considering Ms Cooper and Ms Alec's proposed agenda for this meeting and other on-Country meetings and we will respond to you separately on those points.

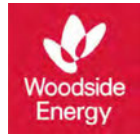
Could you please confirm the proposed arrangements for the meeting on 12 September as soon as possible, as we will need to confirm flight details by no later than **2pm on Friday 8 September**, noting the administration involved in booking flights as well as other logistics that need to be arranged.

Finally, as previously stated, we confirm the consultation will be conducted on a non-admission basis given Woodside and Ms Alec, Ms Cooper and SOS' different views on whether consultation has occurred in accordance with the Environment Regulations and the conditions.

Kind regards

[Redacted signature]

[Redacted signature]



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From: Jess Border <jessica.border@edo.org.au>
Sent: Thursday, 7 September 2023 8:37 AM
To: [Redacted] <[\[Redacted\]@woodside.com](mailto:[Redacted]@woodside.com)>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [Redacted] <[\[Redacted\]@woodside.com.au](mailto:[Redacted]@woodside.com.au)>; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [Redacted]

Could you please confirm that Woodside is available to proceed with the meeting in Karratha on 12 September, with the format proposed in our email below.

We would be grateful for your prompt response so we can organise flights and accommodation.

Kind regards

Jess Border | Solicitor | EDO

From: Jess Border <jessica.border@edo.org.au>
Sent: Monday, September 4, 2023 11:04 AM
To: [Redacted] <[\[Redacted\]@woodside.com](mailto:[Redacted]@woodside.com)>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [Redacted] <[\[Redacted\]@woodside.com](mailto:[Redacted]@woodside.com)>; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [Redacted]

We refer to your email of 29 August 2023.

We understand that the consultation will take place on a no-admission basis given the diverging views of the parties. For the avoidance of doubt, we reiterate our clients' position that consultation has not occurred as required by and in accordance with the Regulations or the conditions.

Thank you for your offer of a two-day workshop. As you will be aware, the NOPSEMA guideline on Consultation in the Court of Preparing an Environment Plan (**Guideline**) explains that titleholders should engage with persons and organisations in their consultation processes, including by adapting consultation processes to the nature of the persons to be consulted. It is to be a genuine and meaningful two-way dialogue.

We have taken instructions and our clients would like consultation to proceed in the following way:

- On Tuesday 12 September, the parties meet to go through the Seismic Survey EP, so that questions can be asked and answered of Woodside. Our clients request that the meeting be held at a location at which the Seismic Survey EP can be projected on a screen and discussed. We are aware that Woodside has provided initial information on the Seismic Survey EP at the 25 July meeting, but our clients would like to review the content of the Seismic Survey EP in a collaborative way.
- A second meeting be held, on Country, at which the attendees will visit the islands off Murujuga. This meeting is to be held on a date after 29 September 2023. Our clients currently have general availability in the first two weeks of October. If you could please let us know Woodside's representatives' availability in that week we can arrange specific dates with our clients.

Spacing the meetings in this way will ensure that our clients have sufficient time to reflect on the information provided so they may make an informed assessment of the possible consequences on their functions, interests and activities.

We confirm we previously provided availability in the week starting 18 September, but our clients now request that the meeting be moved to a later date to due to sorry business occurring in that week, and unavailability of legal representatives in the following week.

We would like to emphasise that it is important that our clients have time to build a relationship with Woodside's representatives, to foster respect and trust, and thereby ensure they feel comfortable sharing information about their functions, interests and activities.

We also anticipate that, after the second meeting, there be a further meeting at which Woodside may explain the appropriate measures it has considered and will adopt to ensure that the impacts of the activities the subject of the Seismic Survey EP are as low as reasonably practicable, in light of the matters raised by our clients in consultation.

The above is similar to our initial proposal of how consultation should proceed, as set out in my email of 25 July 2023.

As to agreed protocols, could you please confirm that we are proceeding on the basis that audio recordings of the meeting are permissible, as agreed at the 25 July consultation. We understand that only women will attend the meetings, for cultural safety.

As to your request for a video, it was our clients' intention to provide to Woodside a video taken on Murujuga. In light of subsequent events that are now the subject of Federal Court proceedings VID 647/2023 Cooper v NOPSEMA & Ors, our clients no longer intend to provide that video, but would instead prefer to consult with Woodside in person.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [REDACTED]@woodside.com>
Sent: Friday, September 1, 2023 12:28 PM
To: Jess Border <jessica.border@edo.org.au>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com>; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Jess

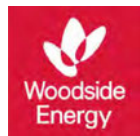
Thanks for your email.

I am following up on my email below regarding scheduling time to meet to facilitate ongoing consultation with Ms Alec, Ms Cooper and Save Our Songlines in relation to Woodside Environment Plans.

We would be grateful for confirmation on whether Ms Alec, Ms Cooper and Save Our Songlines are available to meet on 12 and 13 September 2023, for a 2-day on-Country workshop. We are keen to arrange flights and other logistics as soon as possible.

We look forward to hearing from you.

Kind regards



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 Perth WA 6000
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From: Jess Border <jessica.border@edo.org.au>
Sent: Wednesday, 30 August 2023 2:22 PM
To: [REDACTED]@woodside.com>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com.au>; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

Thank you for your email.

We are seeking instructions and will revert as soon as possible.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [REDACTED] <[REDACTED]@woodside.com>
Sent: Tuesday, August 29, 2023 3:48 PM
To: Jess Border <jessica.border@edo.org.au>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED] <[REDACTED]@woodside.com>; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Jess

Thanks for your email.

We confirm that our team is available and willing to meet on country. We are proposing that this occur on **Tuesday 12 and Wednesday 13 September 2023**.

As you will appreciate, Woodside remains of the view that it has satisfied consultation requirements under Regulation 11A of the OPGGS (E) Regulations and that consultation is continuing in accordance with conditions 5 and 6 of the acceptance conditions of the Seismic EP. We respectfully acknowledge that your clients hold a different view. However as you will understand, the agreement to meet and the meeting is on a no-admission basis in relation to the issue of whether or not Woodside has satisfied its consultation requirements.

Please confirm these dates are suitable and, as per your email below, we will make arrangements for a return airfare for Ms Alec.

As per previous correspondence, Ms Alec, Ms Cooper and Save Our Songlines asked, at our 14 March 2023 meeting that Woodside continue correspondence with them, via the Environment Defenders Office. Hence our respectful request once more that the following be communicated to Ms Alec, Ms Cooper and Save Our Songlines.

Dear Josie, Raelene and Save Our Songlines

Consultation meeting on country

We are pleased to arrange another meeting with you on Country. The purpose is to engage in ongoing consultation with you in relation to Woodside's Environment Plans.

This agreement to meet and also ongoing consultation is on a no-admission basis. As you will appreciate, Woodside remains of the view that it has satisfied consultation requirements under Regulation 11A of the OPGGS (E) Regulations and that consultation is continuing in accordance with conditions 5 and 6 of the acceptance conditions of the Seismic EP. We respectfully acknowledge that you hold a different view.

To manage availability and so that there is ample time for you to ask questions, share your knowledge and information and to be heard; as well as time for us to listen, share information and engage in a two-way dialogue with you, we propose a 2-day on-country workshop.

We propose that the workshop would run from **Tuesday 12 September to Wednesday 13 September 2023**.

From our perspective a key objective of the meeting will be for Woodside to receive any information that you wish to share on cultural features and heritage values.

As per prior consultation we are proceeding on the basis that the agreed protocols continue to apply.

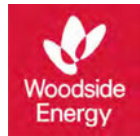
Please confirm your availability for a 2-day workshop on 12 and 13 September 2023. Once we have that confirmation, we can make arrangements to pay for Josie's return travel Perth-Karratha-Perth (as per EDO's email below) and can circulate an agenda.

We note that from previous communications, we were expecting that you would provide us with a video, taken on Murujuga. We are keen to receive this as soon as practicable.

We look forward to hearing further from you.

Best regards
Woodside

Kind regards



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From: Jess Border <jessica.border@edo.org.au>
Sent: Friday, 25 August 2023 1:33 PM
To: [Redacted]@woodside.com.au; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [Redacted]@woodside.com.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [Redacted]

That's correct.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [Redacted]@woodside.com>
Sent: Friday, August 25, 2023 1:17 PM
To: Jess Border <jessica.border@edo.org.au>; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [Redacted]@woodside.com>; Woodside Feedback <Feedback@woodside.com>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Jess

Thanks for your email below.

So that I can seek dates from the business, may I please seek clarification.

Are we correct in understanding that Ms Alec, Ms Cooper and SOS are available to meet:

- on country in Karratha between 19-21 September
- on country in Karratha between 11-13 September as long as Woodside pays for Ms Alec's return airfare Perth – Karratha - Perth

Kind regards



Woodside Energy
Mia Yellagonga
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Perth WA 6000
Australia

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From: Jess Border <jessica.border@edo.org.au>
Sent: Friday, 25 August 2023 1:03 PM
To: [REDACTED]@woodside.com.au; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

I write further to my email below.

Our clients will be interstate in the week starting 4 September 2023.

Our clients' preference is that further consultation be held in Karratha, on Country, on day(s) between and including 19 – 21 September 2023. The reason for this is that Ms Alec will already be in Karratha this week for sorry business. Our clients are generally available to meet in Karratha on day(s) between and including 11 – 13 September, if Woodside is willing to pay for Ms Alec's return airfare from Perth.

Please let me know Woodside's position.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: Jess Border <jessica.border@edo.org.au>
Sent: Tuesday, August 22, 2023 2:43 PM
To: [REDACTED]@woodside.com.au; Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; [REDACTED]@woodside.com.au; Woodside Feedback <Feedback@woodside.com.au>
Subject: RE: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear [REDACTED]

Thank you for your email below.

We note that Ms Alec and Ms Cooper provided their September availability at the end of July, so we will need to discuss whether these dates remain feasible. We will obtain instructions and come back to you as soon as possible.

We otherwise reiterate that our clients remain willing to consult. For the avoidance of doubt, our clients' position remains that the Acceptance of 31 July 2023 is invalid and hence that any consultation would be undertaken in accordance with Woodside's obligations under reg 11A.

Our clients reserve their rights.

Kind regards

Jess

Jess Border | Solicitor | EDO

From: [REDACTED] <[REDACTED]@woodside.com>
Sent: Monday, August 21, 2023 4:08 PM
To: Clare Lakewood <clare.lakewood@edo.org.au>
Cc: sue.mccarrey@nopsema.gov.au; Nicola Brischetto <nicola.brischetto@nopsema.gov.au>; Raquel Carter <raquel.carter@nopsema.gov.au>; Jess Border <jessica.border@edo.org.au>; [REDACTED] <[REDACTED]@woodside.com>; Woodside Feedback <Feedback@woodside.com>
Subject: Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

Dear Clare

Scarborough Gas Project – Scarborough 4D B1 Marine Seismic Survey Environment Plan

We refer to previous correspondence which references the Scarborough 4D B1 Marine Seismic Survey Environment Plan (Seismic EP), accepted by NOPSEMA on 31 July 2023, with conditions. Please see the notes below and the attachments.

With reference to Condition 6 of the conditions, we respectfully seek to consult with Ms Alec, Ms Cooper and Save Our Songlines on the Seismic EP changes and the control measures proposed to be adopted to manage potential impacts and risks of the activity to as low as reasonably practicable (ALARP) and acceptable levels. Following consultation, if relevant comments are provided, Woodside intends on submitting to NOPSEMA a report confirming the views of Ms Alec, Ms Cooper and Save Our Songlines, in accordance with Condition 6 b).

We note that Ms Alec, Ms Cooper and Save Our Songlines most recently noted that they would be available for a consultation meeting in the week commencing 4 September 2023. We remain open to consulting with them and would be grateful to obtain their available dates for that meeting in September or sooner.

We otherwise note the following in relation to the relevant conditions regarding consultation.

Condition 1

1. Prior to commencement of the activity, the titleholders must consult with registered native title bodies corporate, representative Aboriginal / Torres Strait Islander bodies and other persons or organisations identified as a relevant person in relation to the First Nations cultural heritage in Tables 5-3 and 5-4 of the EP to confirm whether:
 - a. They are aware of any people, who in accordance with Indigenous tradition, may have spiritual and cultural connections to the environment that may be affected by the activity that have not yet been afforded the opportunity to provide information that may inform the management of the activity
 - b. There is any information they wish to provide on cultural features and/or heritage values.

We confirm that, prior to commencement of the activity, Woodside consulted Ms Alec, Ms Cooper and Save Our Songlines, requesting the above information on 3 August and 9 August 2023.

In addition to the extensive consultation opportunities afforded to Ms Alec, Ms Cooper and Save Our Songlines during the preparation of the Seismic EP, Woodside consulted with Ms Alec, Ms Cooper and Save Our Songlines after the submission of the Seismic EP on the following dates:

1. A meeting held between Woodside and Ms Alec, Ms Cooper and Save Our Songlines on 25 July 2023;
2. Correspondence exchanged following that meeting, including emails exchanged from 25 July to present.

Condition 2

2. The purpose of the consultation outlined in Condition 1 is to be communicated, and relevant persons are provided with a copy of the NOPSEMA Consultation on offshore environment plans Brochure as part of consultation.

In a number of pieces of correspondence, including those of 3 August and 9 August 2023, Woodside communicated the purpose of consultation and also provided to Ms Alec, Ms Cooper and Save Our Songlines, the NOPSEMA Consultation on offshore petroleum environment plans brochure.

Condition 3

3. The method of consultation is informed by the relevant persons being consulted.

Meetings with Ms Alec, Ms Cooper and Save Our Songlines have been informed by Ms Alec, Ms Cooper and Save Our Songlines. From recent correspondence, Ms Alec, Ms Cooper and Save Our Songlines requested at least 6 weeks time before having another meeting. Our understanding is that Ms Alec, Ms Cooper and Save Our Songlines intend to provide us with their available dates in September for a meeting on country. As described above, Woodside remains available to meet at your earliest convenience.

Condition 4

4. If at any time, as a result of compliance with Condition 1, relevant persons are identified, they must be consulted in accordance with the NOPSEMA Guideline on Consultation in the course of preparing an environment plan (GL2086).

Woodside notes that Ms Alec, Ms Cooper and Save Our Songlines have referenced Murujuga Aboriginal Corporation but have not otherwise made us aware of other persons.

Condition 5

5. At any time, prior to or during the activity, if new cultural features and/or heritage values of places within the environment that may be affected by the activity are identified that are not described in the EP, the titleholders must:
 - a. Ensure the environmental impacts and risks of the activity continue to be managed to as low as reasonably practicable and an acceptable level.
 - b. Notify NOPSEMA in writing within 7 days of these cultural and/or heritage values of places and the potential environmental impacts and risks.

Woodside has considered the topics raised by Ms Alec, Ms Cooper and Save Our Songlines at the meeting on 25 July 2023 and has proposed amendments to the Seismic EP, in accordance with Woodside's Management of Knowledge and Management of Change processes. The proposed changes to the Seismic EP are outlined in Attachment A. Woodside has also notified NOPSEMA, in accordance with this condition, to advise of the topics raised by Ms Alec, Ms Cooper and Save Our Songlines at the meeting on 25 July 2023 and outlined the potential environmental impacts and risks to those topics.

Condition 6

6. The titleholders must submit a report to NOPSEMA no later than 14 days after the notification in Condition 5 which confirms the following:
 - a. The control measures that have been adopted to ensure that the environmental impacts and risks of the activity will be reduced to as low as reasonably practicable and an acceptable level.
 - b. The consultation undertaken with any relevant persons to develop those control measures including
 - i. The control measures that those persons considered reasonably necessary to manage impacts on the cultural features and/or heritage values in accordance with indigenous tradition; and
 - ii. The views of the relevant persons in relation to the control measures

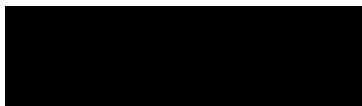
Woodside has developed the information in the attachments in accordance with Condition 6 a). As set out above, we respectfully seek to consult with Ms Alec, Ms Cooper and Save our Songlines on the week commencing 4 September or sooner on the Seismic EP changes and the control measures proposed to be adopted to manage

potential impacts and risks of the activity, on the topics raised by Ms Alec, Ms Cooper and Save Our Songlines, to ALARP and acceptable levels.

For clarity, Woodside intends on submitting to NOPSEMA a report on the views of Ms Alec, Ms Cooper and Save Our Songlines, in accordance with Condition 6 b).

Please confirm when Ms Alec, Ms Cooper and Save Our Songlines are available to consult as noted above. Woodside is ready, willing and able to meet and consult with Ms Alec, Ms Cooper and Save Our Songlines.

Kind regards



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