The Biodiversity Metr
Star

Project details	
Planning authority:	
Project name:	Storthes I
Applicant:	U
Application type:	
Planning application reference:	
Completed by:	Chris Schofield MSc
Date of metric completion:	23rd Novembe
Reviewer:	Derek Allan MSc B
Version control:	
Consenting body reviewer:	
Date of consenting body review:	
Target % net gain:	**10%**
Irreplaceable habitat present on-site at baseline:	**No**
Total site area (including irreplaceable habitat area):	**15.20**

Cell style conventions	
⚠	
▲	Input er
	Use

On-site baseline map

Insert

On-site baseline map reference number	

Off-site baseline map

Insert

Off-site baseline map reference number	

ric 4.0 - Calculation Tool
rt page

Kirklees Council
Hall Student Village, Kirkburton
Jbrique Investments Ltd
Outline
TBC
: BSc (Hons) ACIEEM - Principal Ecologist
r 2023 - Updated 11th Februrary 2025
Sc (Hons) MCIEEM - Director of Ecology
Final
TBC
TBC

Irreplaceable habitat area at baseline:	**0.00**

Instructions

Main menu

Results

s
Attention required
ror/rules and principles not met
of this cell is not appropriate
Enter data
Automatic lookup
Result

View all

Reset view

On-site post intervention map

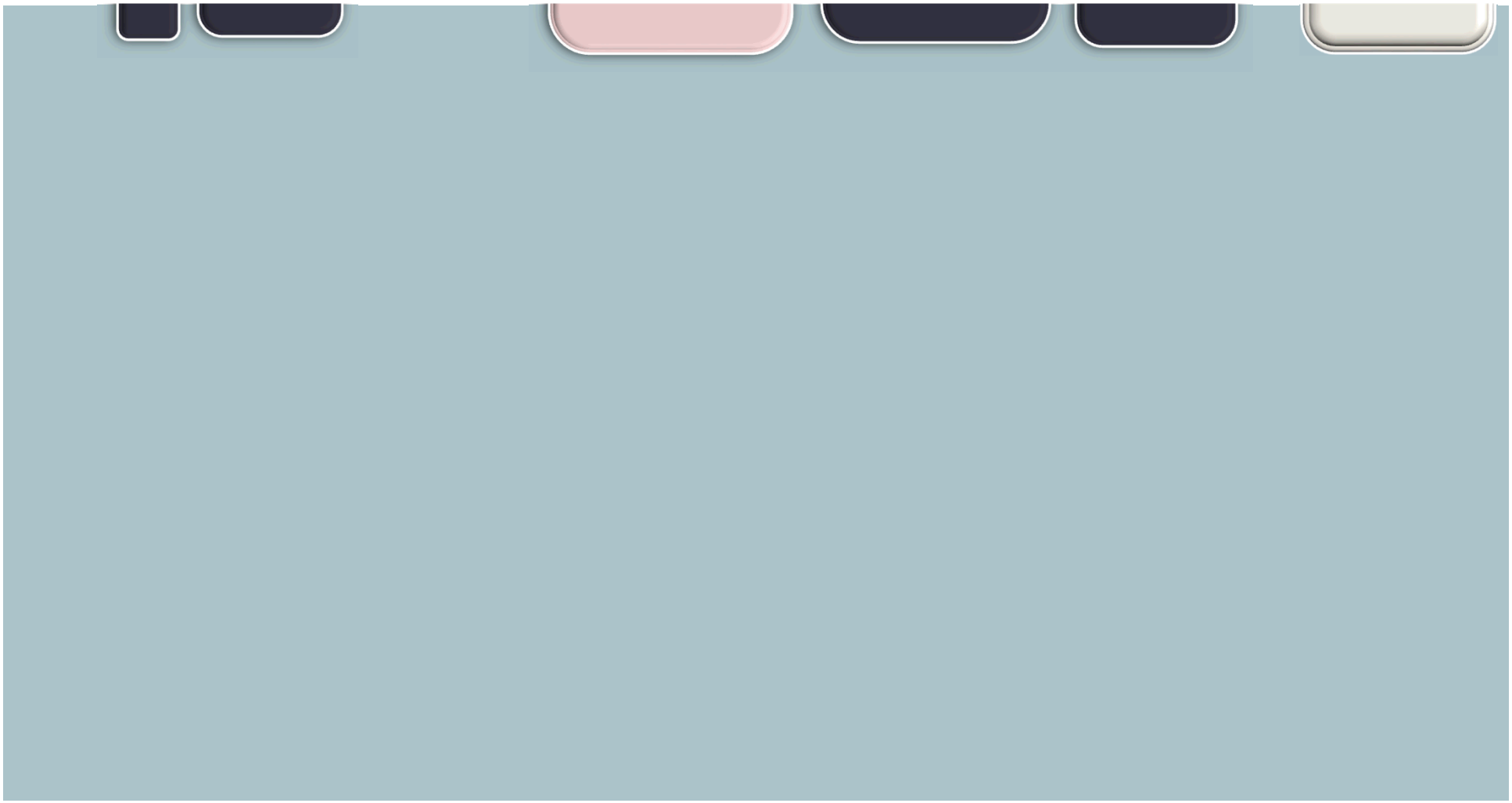
Insert

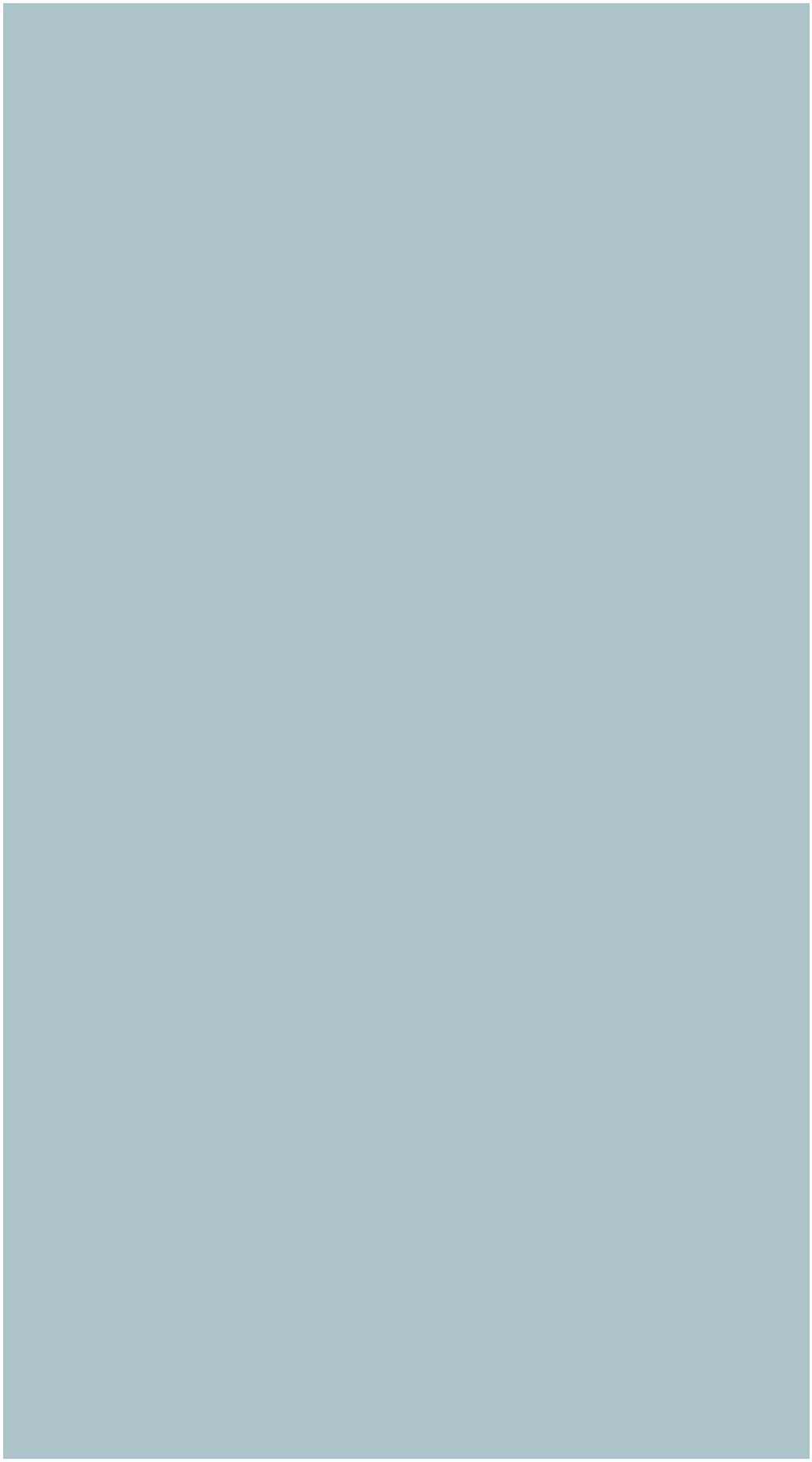
On-site post-intervention map reference number	1826-MP-01

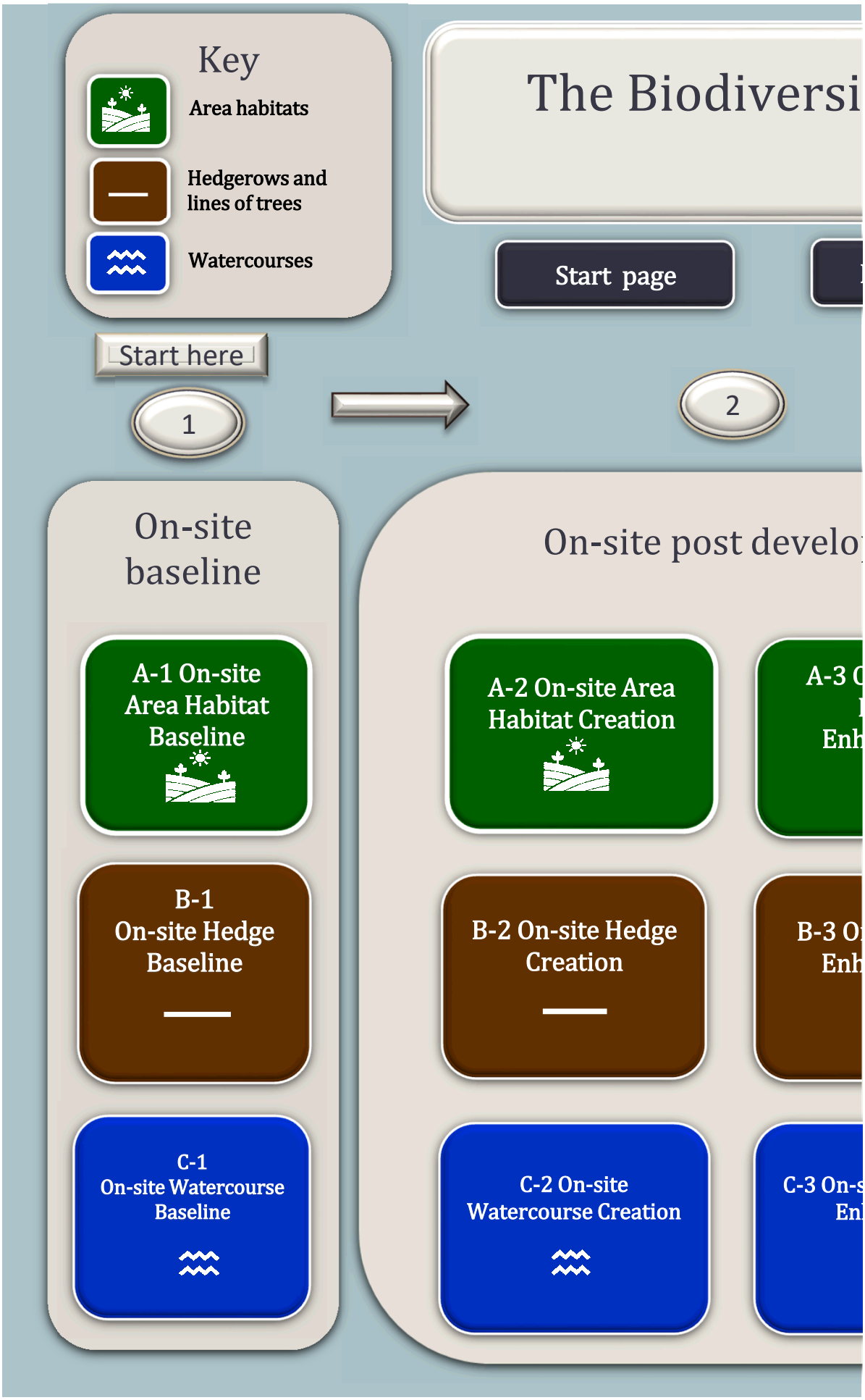
Off-site post intervention map

Insert

Off-site post-intervention reference number	






Key
Area habitats
Hedgerows and lines of trees
Watercourses
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On-site baseline
On-site post develo
A-1 On-site Area Habitat Baseline
A-2 On-site Area Habitat Creation
A-3 C
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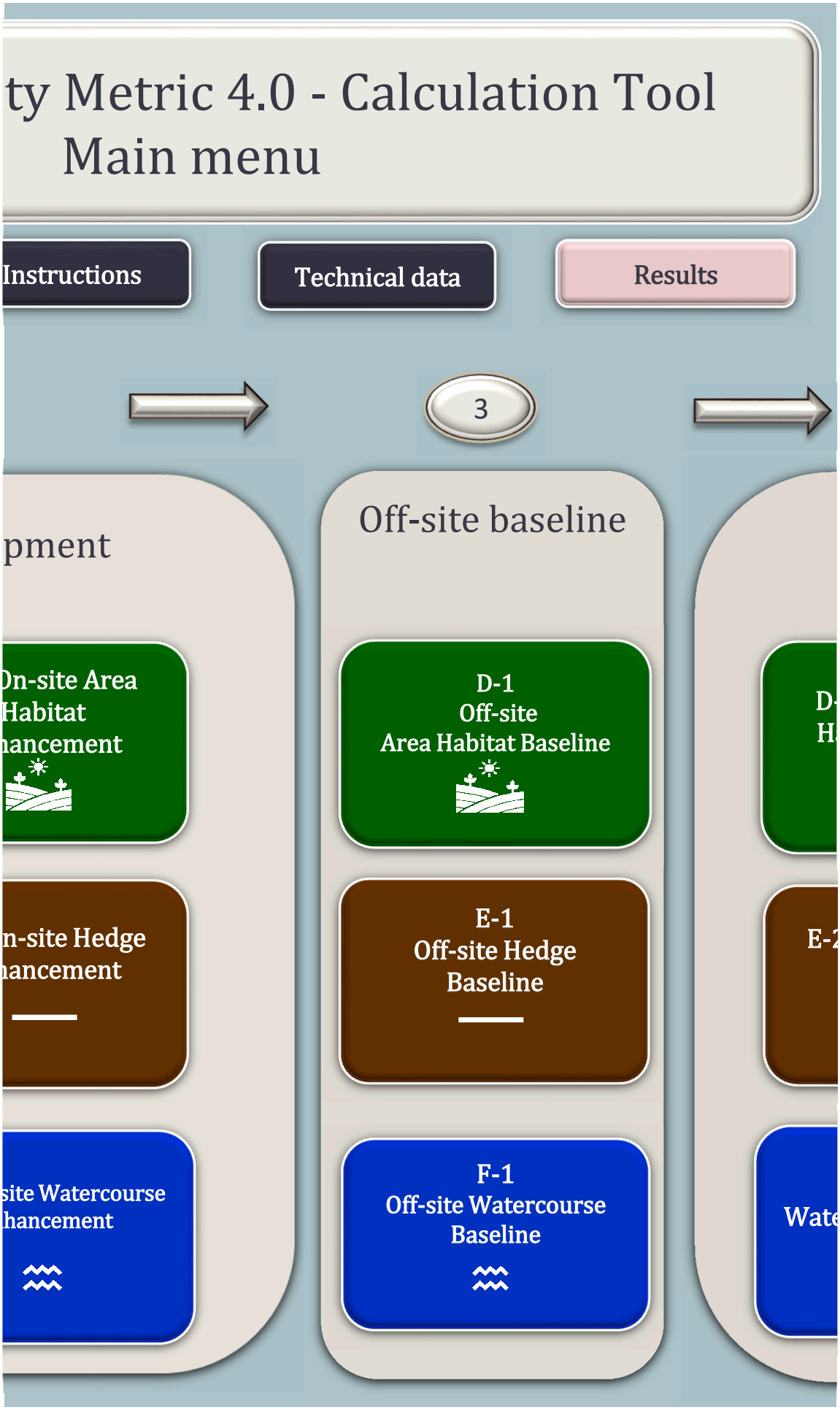
B-1 On-site Hedge Baseline
B-2 On-site Hedge Creation
B-3 O
Enh
C-1 On-site Watercourse Baseline
C-2 On-site Watercourse Creation
C-3 On-s
En


ty Metric 4.0 - Calculation Tool
Main menu
Instructions
Technical data
Results
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pment
On-site Area Habitat hancement
n-site Hedge hancement
site Watercourse hancement
Off-site baseline
D-1 Off-site Area Habitat Baseline
E-1 Off-site Hedge Baseline
F-1 Off-site Watercourse Baseline
D- H
E-
Wate

Tree helper

Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small		0.0000	43	0.1751		0.0000
Medium		0.0000	43	1.5757		0.0000
Large		0.0000		0.0000		0.0000
Total	0	0.0000	86	1.7507	0	0.0000

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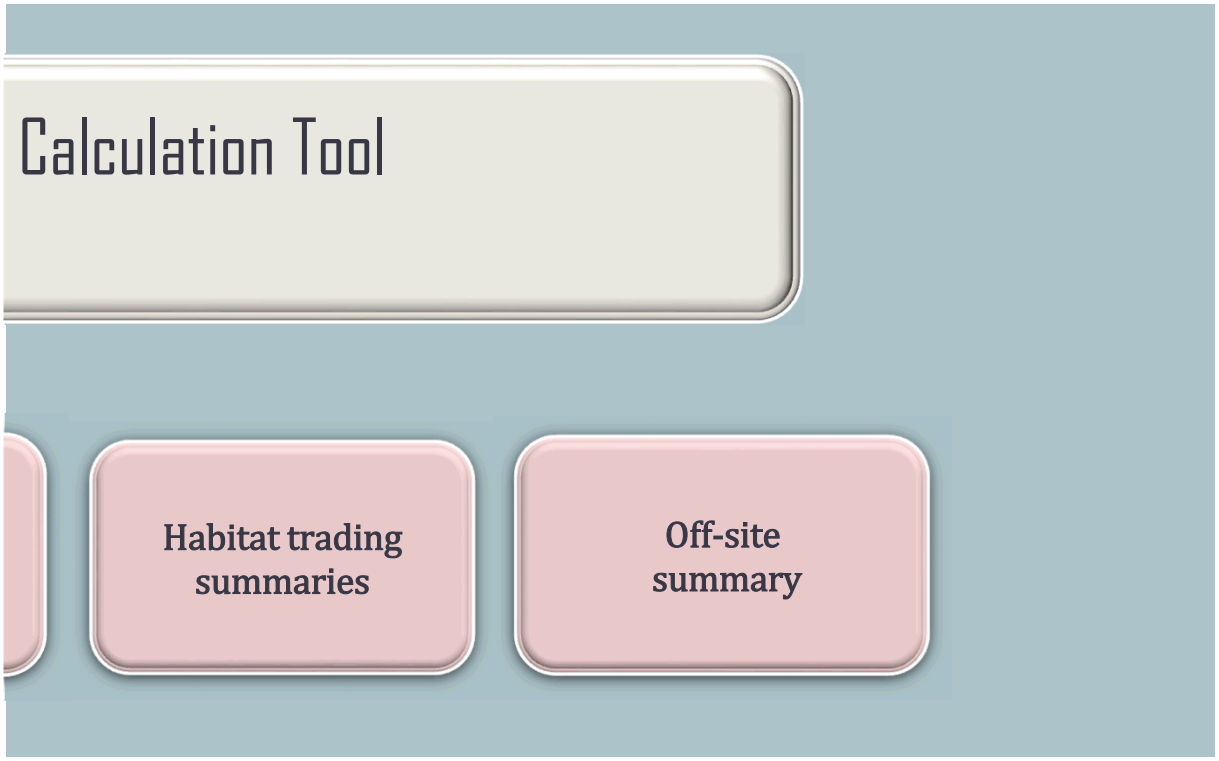
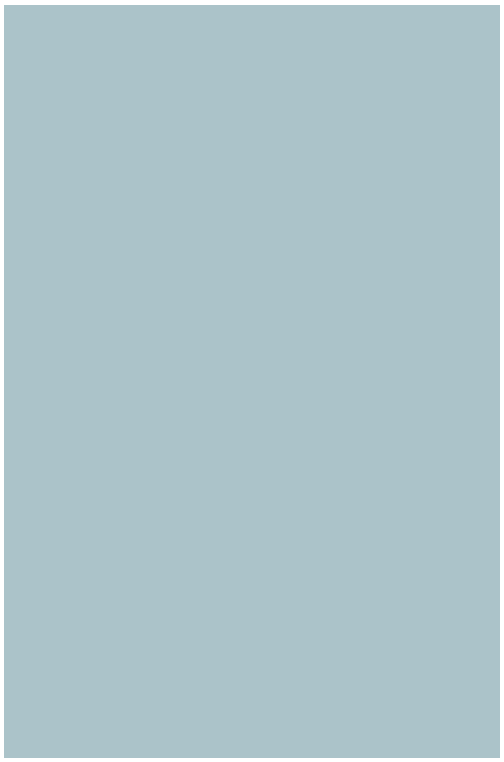
The Biodiversity Metric 4.0 - Results

Return to start page

Headline results

Detailed results


Calculation Tool
Habitat trading summaries
Off-site summary



Storthes Hall Student Village, Kirkburton

Headline Results

Scroll down for final results ⚠

Return to results menu

On-site baseline	*Habitat units* *Hedgerow units* *Watercourse units*
On-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units* *Hedgerow units* *Watercourse units*
On-site net change (units & percentage)	*Habitat units* *Hedgerow units* *Watercourse units*
Off-site baseline	*Habitat units* *Hedgerow units* *Watercourse units*
Off-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units* *Hedgerow units* *Watercourse units*
Off-site net change	*Habitat units*

Off-site net change (units & percentage)	*Hedgerow units* *Watercourse units*

Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units* *Hedgerow units* *Watercourse units*
Spatial risk multiplier (SRM) deductions	*Habitat units* *Hedgerow units* *Watercourse units*

FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units* *Hedgerow units* *Watercourse units*
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units* *Hedgerow units* *Watercourse units*

Trading rules satisfied?	No - Check Trad

Unit Type	Target	Baseline Units	Units Required
Habitat units	10.00%	57.15	62.86
Hedgerow units	10.00%	0.00	0.00
Watercourse units	10.00%	0.00	0.00

57.15		
0.00		
0.00		
62.74		
0.00		
0.00		
5.59	9.78%	On-site net gain is less than target set ⚠
0.00	0.00%	
0.00	0.00%	
3.93		
0.66		
0.00		
16.91		
1.12		
0.00		
12.98	330.41%	

0.46	70.03%
0.00	0.00%

18.57
0.46
0.00

0.00
0.00
0.00

18.57
0.46
0.00

32.50%
Check Data ⚠
0.00%

ing Summaries ▲

Unit Deficit	
0.00	Unit requirement met or surpassed ✓
0.00	Unit requirement met or surpassed ✓
0.00	Unit requirement met or surpassed ✓

Storthes Hall Student Village, Kirkburto

Detailed Results

Summary Figures

Net project biodiversi
(Including all on-site & off-site habitat ret

Total project biodiversity
(Including all on-site & off-site habitat creatio

Combined

Total on-site and off-site baseline area / length
Total on-site and off-site baseline units

Total on-site and off-site baseline area / length retained
Total on-site and off-site baseline units retained

Area / length proposed for enhancement
Baseline units proposed for enhancement

Total on-site and off-site baseline area / length lost
Total on-site and off-site baseline units lost

Area habitats

On-site ch

Area Habitats

Habitat group
Cropland
Grassland
Heathland and shrub
Lakes
Sparsely vegetated land
Urban
Wetland
Woodland and forest
Intertidal sediment
Coastal saltmarsh
Rocky shore
Coastal lagoons
Intertidal hard structures
Watercourse footprint
Individual trees

Off-site ch

Area Habitats

Habitat group
Cropland
Grassland
Heathland and shrub
Lakes
Sparsely vegetated land
Urban
Wetland
Woodland and forest
Intertidal sediment
Coastal saltmarsh
Rocky shore
Coastal lagoons
Intertidal hard structures
Watercourse footprint
Individual trees

Combined on-site and

Area Habitats

Habitat group
Cropland
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Sparsely vegetated land
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Woodland and forest
Intertidal sediment
Coastal saltmarsh
Rocky shore
Coastal lagoons
Intertidal hard structures
Watercourse footprint
Individual trees

Hedgerows and Lines of Trees

Hedgerows and lines of tree

On-site

Hedgerow type
Species-rich native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow - associated with bank or ditch
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Native hedgerow
Line of trees
Line of trees - associated with bank or ditch
Non-native and ornamental hedgerow

Hedgerows and Lines of Trees

Off-site

Hedgerow type
Species-rich native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow - associated with bank or ditch
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Native hedgerow
Line of trees
Line of trees - associated with bank or ditch
Non-native and ornamental hedgerow

Hedgerows and Lines of Trees

Combined on-site a

Hedgerow type
Species-rich native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow - associated with bank or ditch
Native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Native hedgerow
Line of trees
Line of trees - associated with bank or ditch
Non-native and ornamental hedgerow

Watercourses

Watercourses

On-site ch

Watercourse type
Priority habitat
Other rivers and streams
Ditches
Canals
Culvert

Off-site ch

Watercourse type
Priority habitat
Other rivers and streams
Ditches
Canals
Culvert

Watercourses

Watercourses

Combined on-site an
Watercourse type
Priority habitat
Other rivers and streams
Ditches
Canals
Culvert

on

Return to results menu

ty units ention / creation)	*Habitat units* *Hedgerow units* *Watercourse units*

% change n + retained habitats)	*Habitat units* *Hedgerow units* *Watercourse units*

habitat retention and enhancement

	Habitats	Hedgerows
	15.20	0.15
	61.08	0.66
	0.61	0.00
	0.62	0.00
	5.23	0.15
	31.16	0.66
	9.36	0.00
	29.29	0.00

ange by broad habitat type

Baseline		Post-development on-site		On-si
On-site existing area	On-site existing value	On-site proposed area	On-site proposed value	On-site area change
0.00	0.00	0.00	0.00	0.00
4.54	12.13	3.13	25.59	-1.42
0.73	6.41	0.00	0.00	-0.73
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
4.61	1.08	7.28	5.09	2.67
0.00	0.00	0.00	0.00	0.00
2.51	30.12	1.99	26.18	-0.52
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.84	7.42	1.75	5.89	0.91

ange by broad habitat type

Baseline		Post-development off-site		Off-si
Off-site existing area	Off-site existing value	Off-site proposed area	Off-site proposed value	Off-site area change
0.00	0.00	0.00	0.00	0.00
1.79	3.93	1.95	16.91	0.16
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.18	0.00	0.02	0.00	-0.16
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

l off-site change by broad habitat type

Baseline		On-site and off-site post-development		Combi
Combined existing area	Combined existing value	Combined proposed area	Combined proposed value	Combined area change
0.00	0.00	0.00	0.00	0.00
6.33	16.06	5.07	42.50	-1.26
0.73	6.41	0.00	0.00	-0.73
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
4.79	1.08	7.30	5.09	2.51
0.00	0.00	0.00	0.00	0.00
2.51	30.12	1.99	26.18	-0.52
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.84	7.42	1.75	5.89	0.91

S

change by hedgerow type

Baseline		Post-development on-site		On-si
On-site existing length	On-site existing value	On-site proposed length	On-site proposed value	On-site length change
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

change by hedgerow type

Off-site baseline		Post-development off-site		Off-si
Off-site existing length	Off-site existing value	Off-site proposed length	Off-site proposed value	Off-site length change
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.15	1.12	0.15
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.15	0.66	0.00	0.00	-0.15
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

nd off-site change by hedgerow type

Baseline		Post-development		Cl
Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.15	1.12	0.15
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.15	0.66	0.00	0.00	-0.15
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

hange by watercourse type

Baseline		Post-development on site		On-sit
On-site existing length	On-site existing value	On-site proposed length	On-site proposed value	On-site length change
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

hange by watercourse type

Baseline		Post development off-site		Off-sit
Off-site existing length	Off-site existing value	Off-site proposed length	Off-site proposed value	Off-site length change
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

d off-site change by watercourse type

Baseline		Post-development on-site		On-sit
Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

18.57
0.46
0.00

32.50%
Check Data ⚠
0.00%

Watercourses
0.00
0.00

0.00
0.00

0.00
0.00

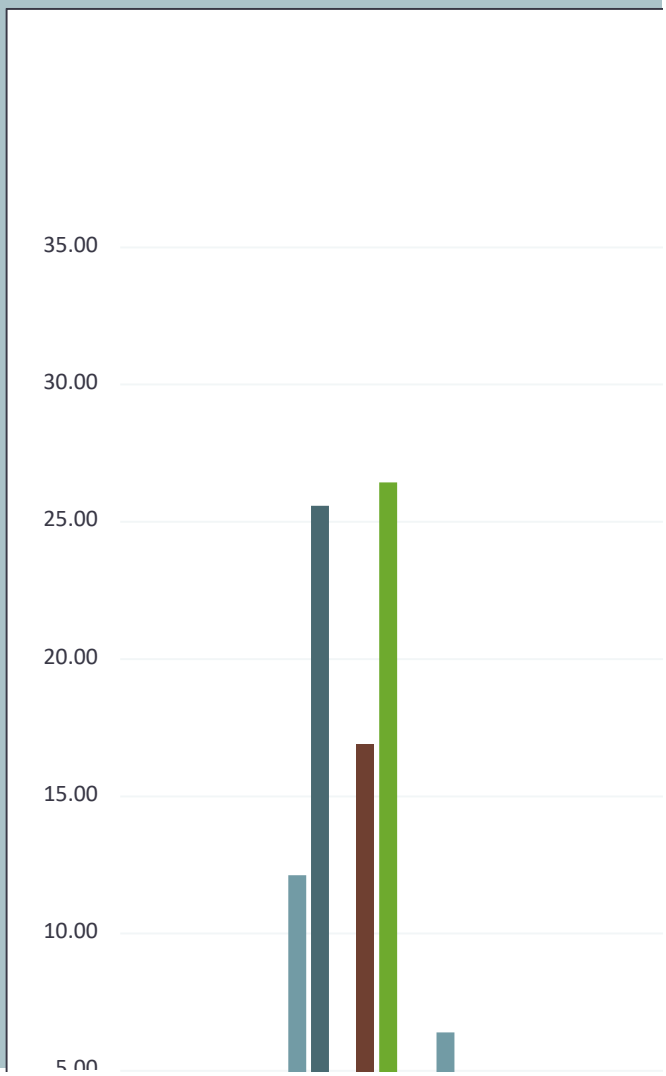
0.00
0.00

te change
On-site unit change
0.00
13.46
-6.41
0.00
0.00
4.01
0.00
-3.94
0.00
0.00
0.00
0.00
0.00
0.00
-1.53

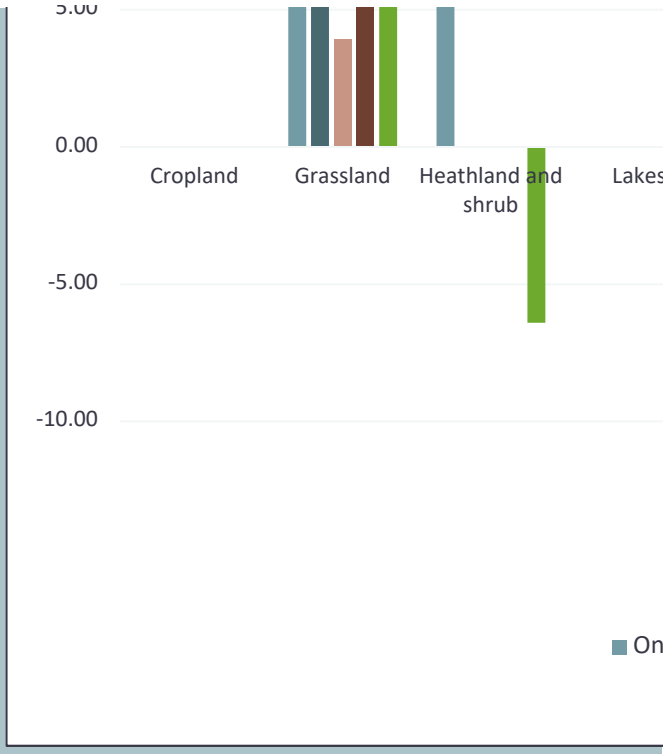
te change
Off-site unit change
0.00
12.98
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

Combined area lost by distri

Category	Area lost (hectares)
V.High	0
High	**0.24**
Medium	**2.2188**
Low	**2.927**
V.Low	**3.973**



ned change
Combined unit change
0.00
26.44
-6.41
0.00
0.00
4.01
0.00
-3.94
0.00
0.00
0.00
0.00
0.00
0.00
-1.53



te change
On-site unit change
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

Combined length lost by disti	
Category	**Length lost (km)**
V.High	0
High	0
Medium	0
Low	0
V.Low	0

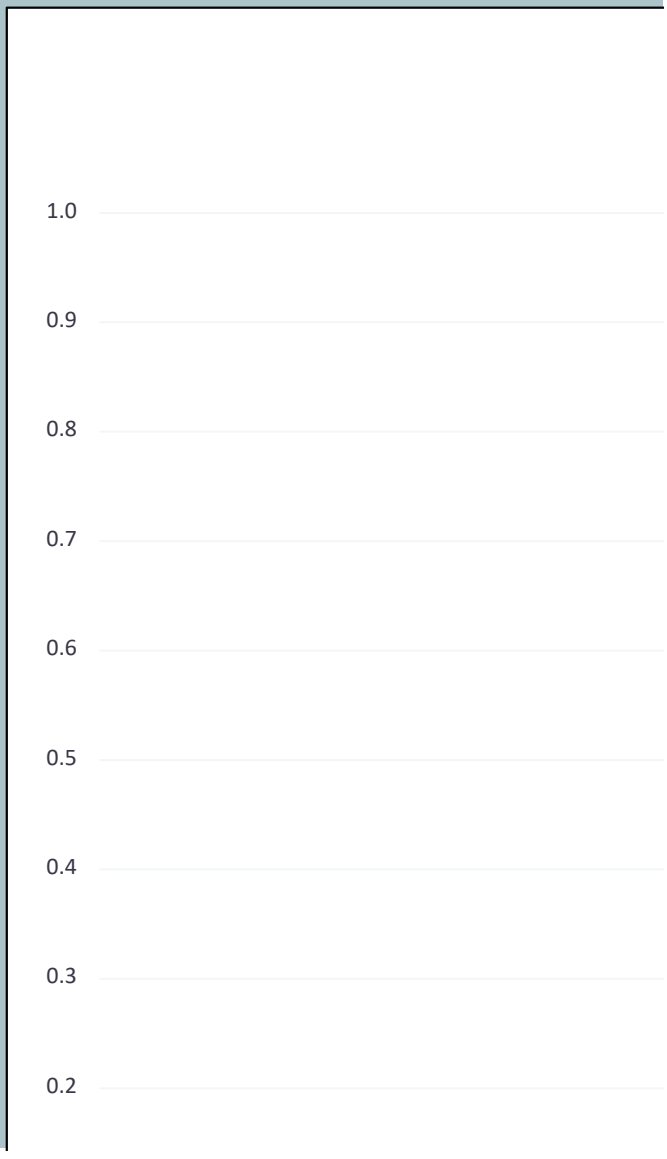
te change
Off-site unit change
0.00
0.00
0.00
0.00
0.00
0.00
1.12
0.00
0.00
-0.66
0.00
0.00
0.00

hange
Combined unit change
0.00
0.00
0.00
0.00
0.00
0.00
1.12
0.00
0.00
-0.66
0.00
0.00
0.00

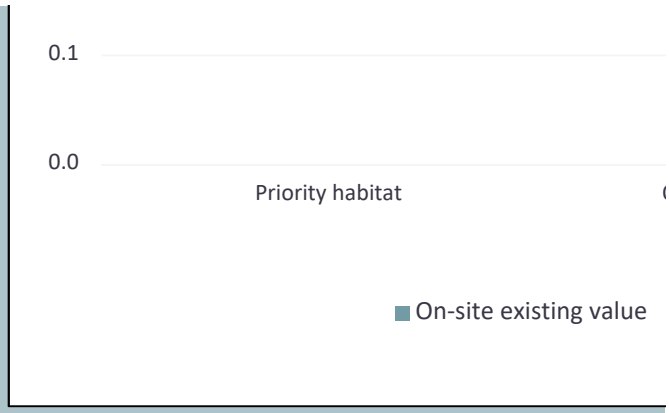
e Change
On-site unit change
0.0
0.0
0.0
0.0
0.0

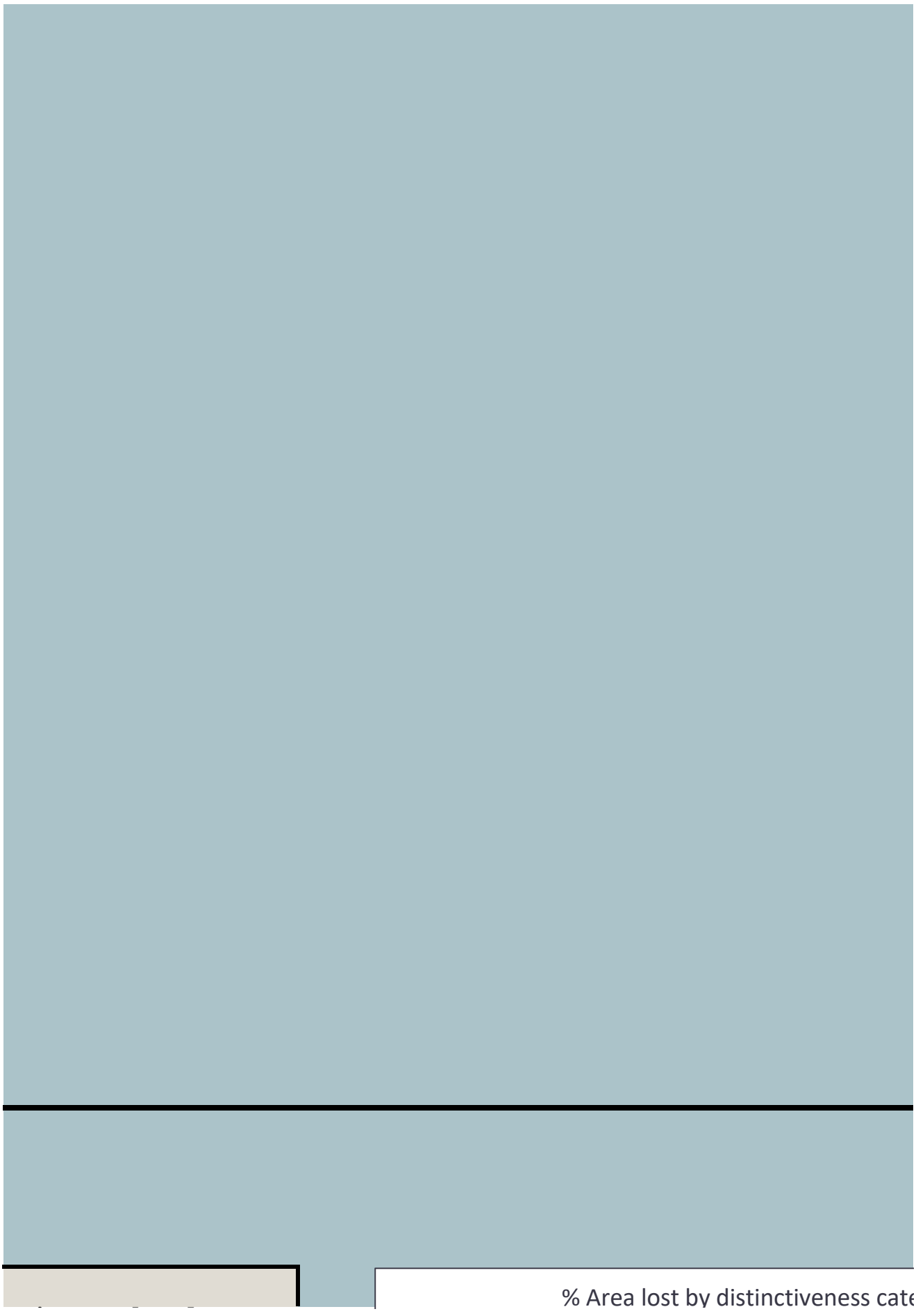
Combined length lost by disti	
Category	**Length lost (km)**
V.High	0
High	0
Medium	0
Low	0

e Change
Off-site unit change
0.0
0.0
0.0
0.0
0.0

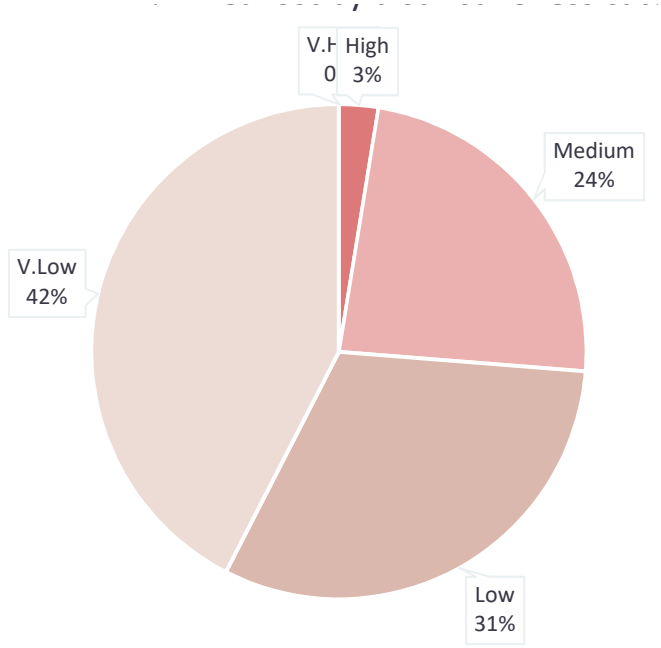


te change
Combined unit change
0.0
0.0
0.0
0.0
0.0

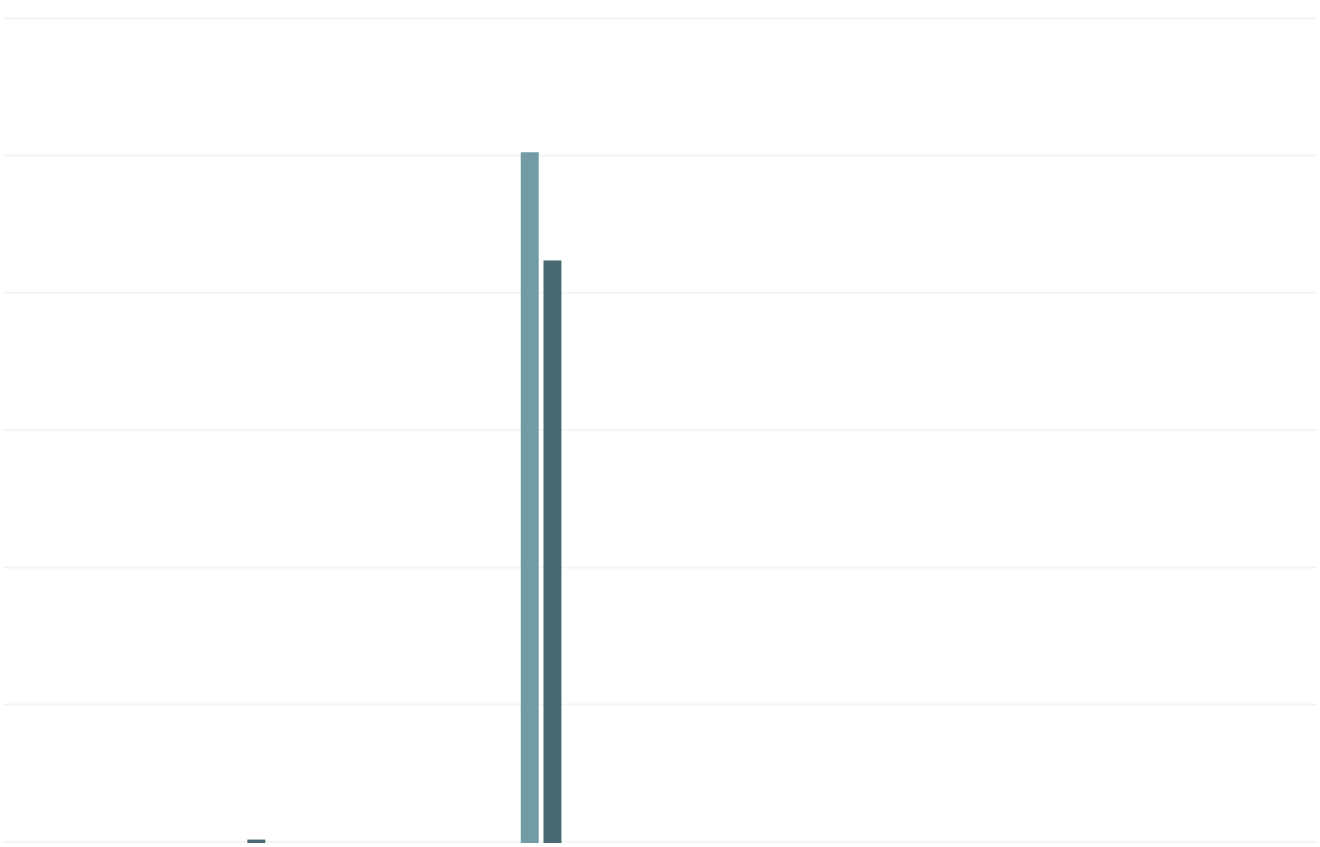



% Area lost by distinctiveness cate

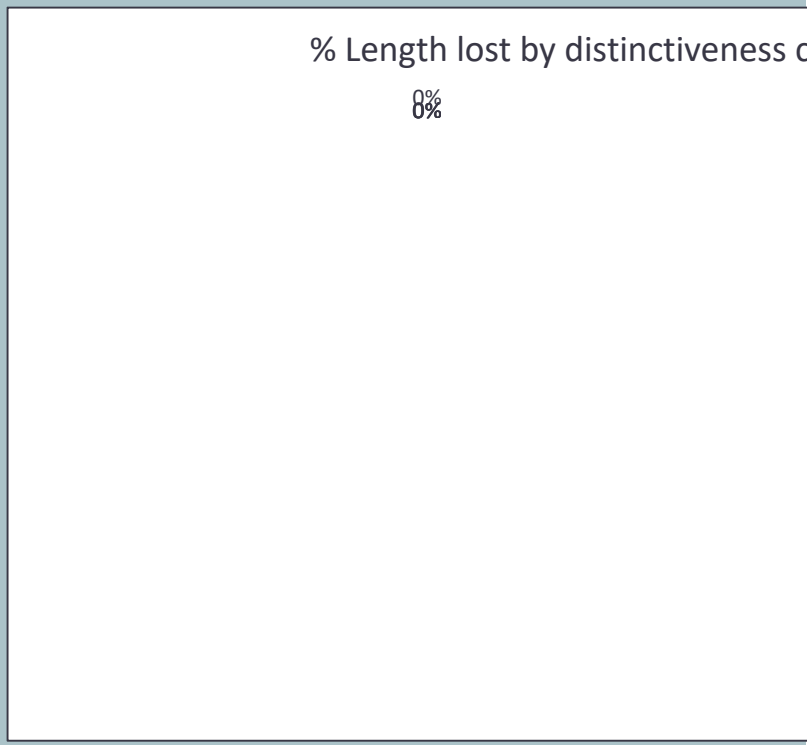
nctiveness band	Area lost (%)
3	
24	
31	
42	

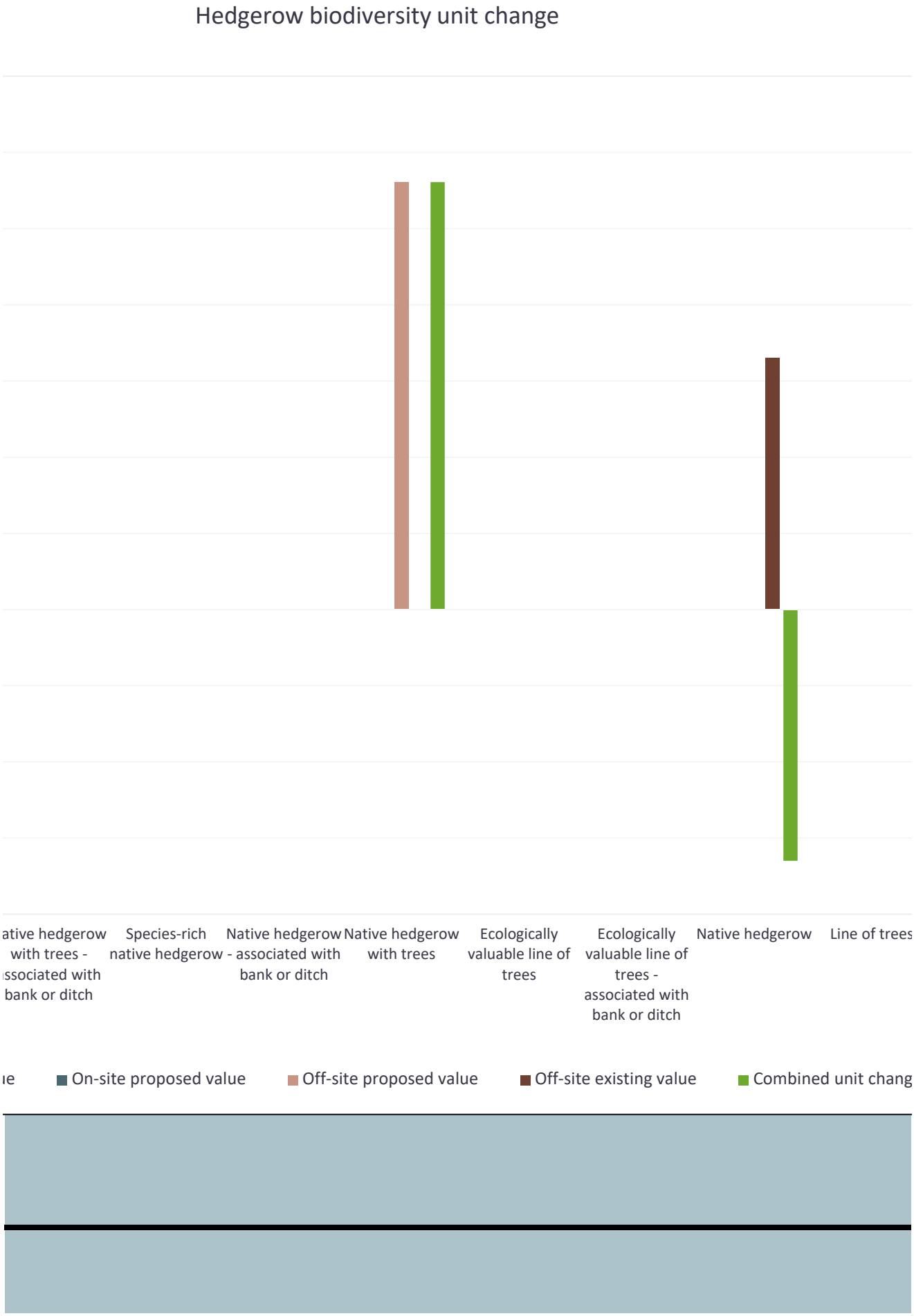


Biodiversity unit change by habitat group

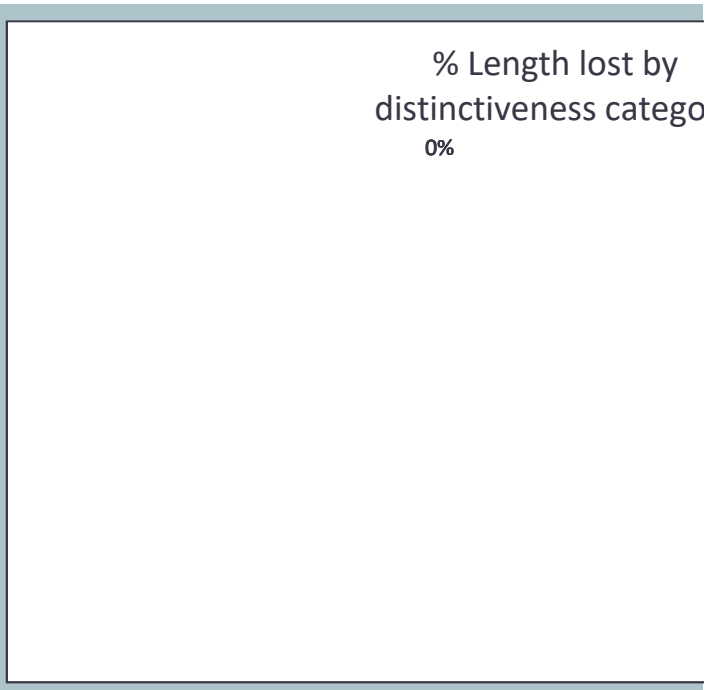


inctiveness band
Length lost (%)



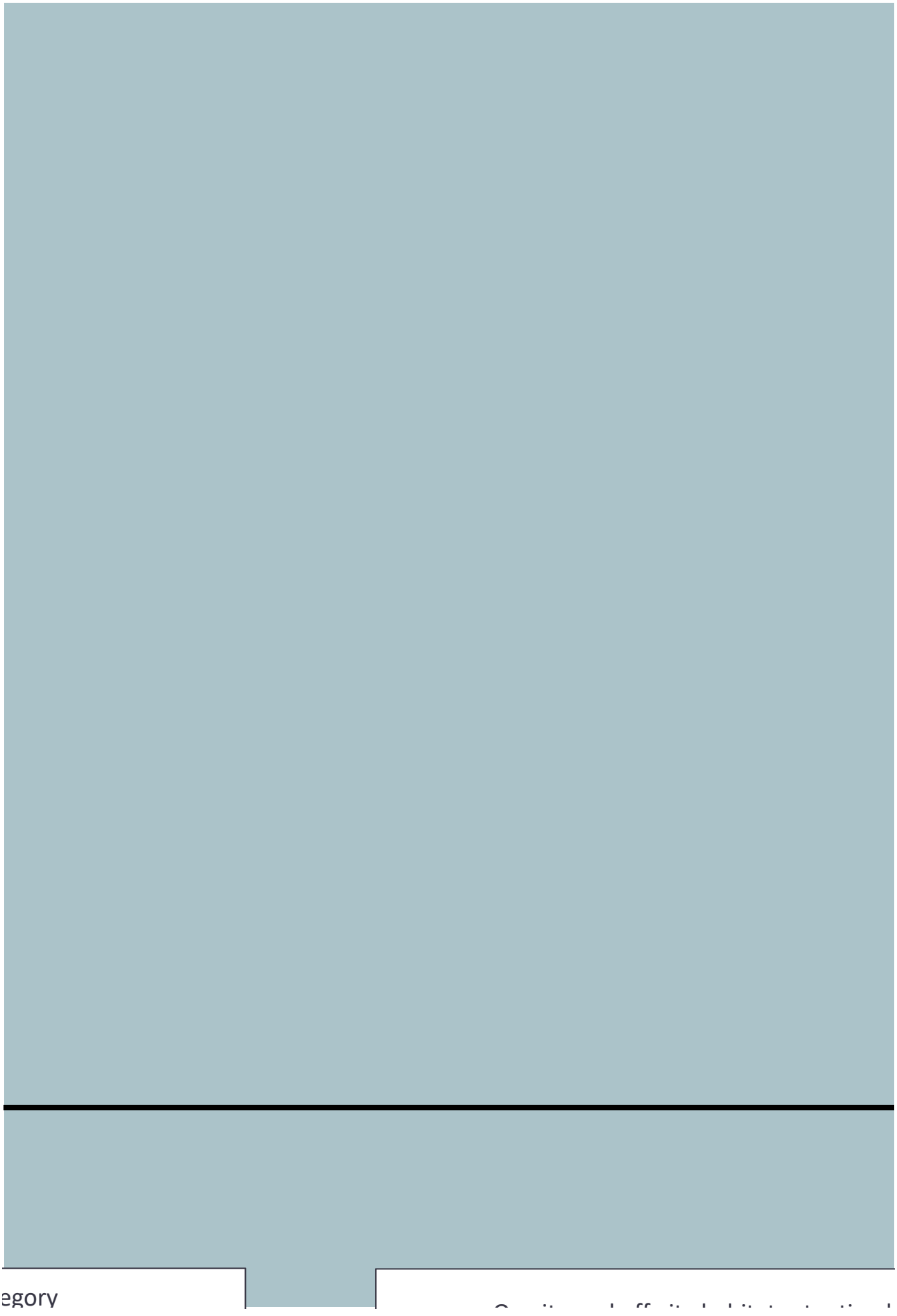

Hedgerow biodiversity unit change
ative hedgerow with trees - ssociated with bank or ditch
Species-rich native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Native hedgerow
Line of trees
ıe
On-site proposed value
Off-site proposed value
Off-site existing value
Combined unit chang

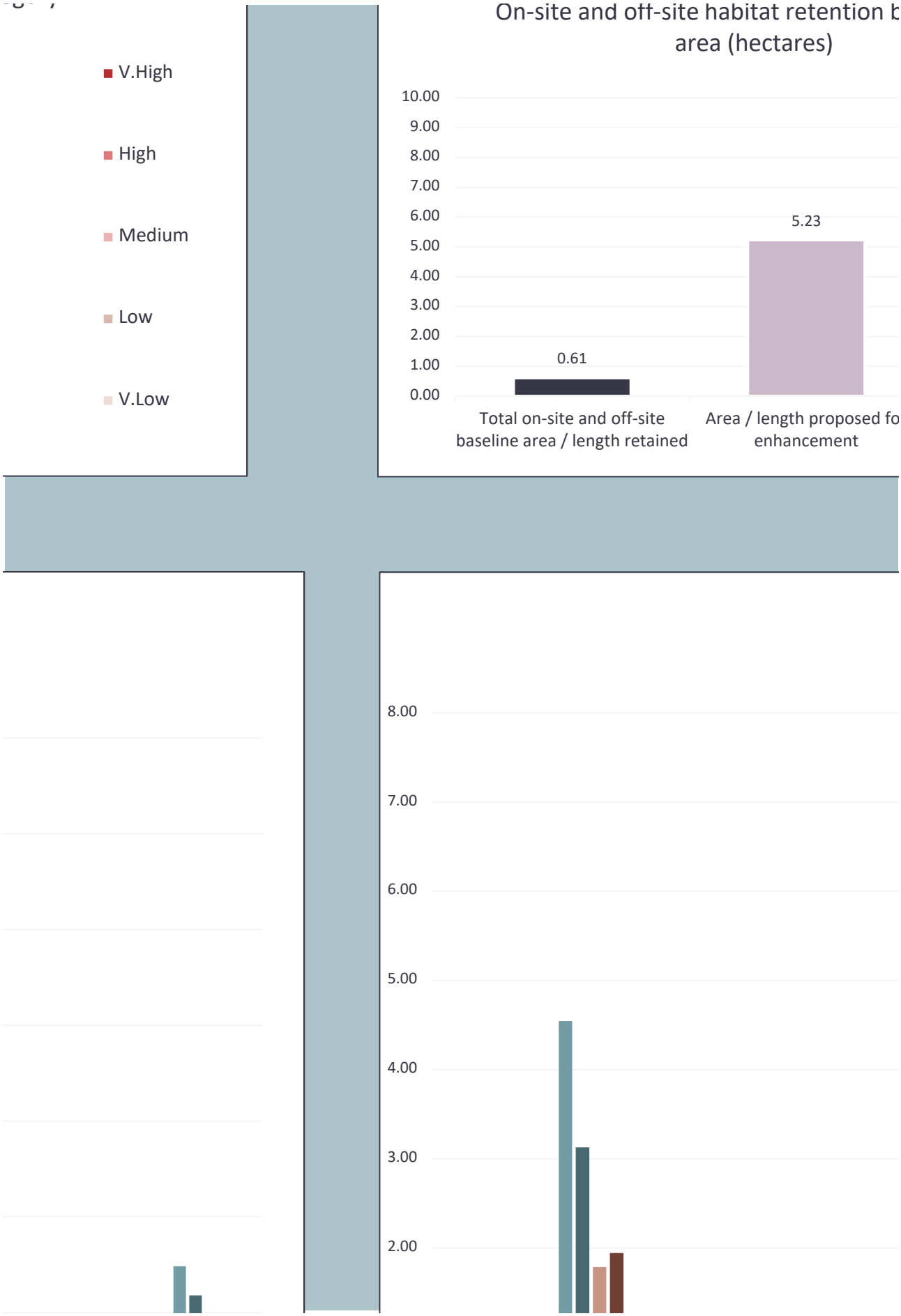
inctiveness band
Length lost (%)

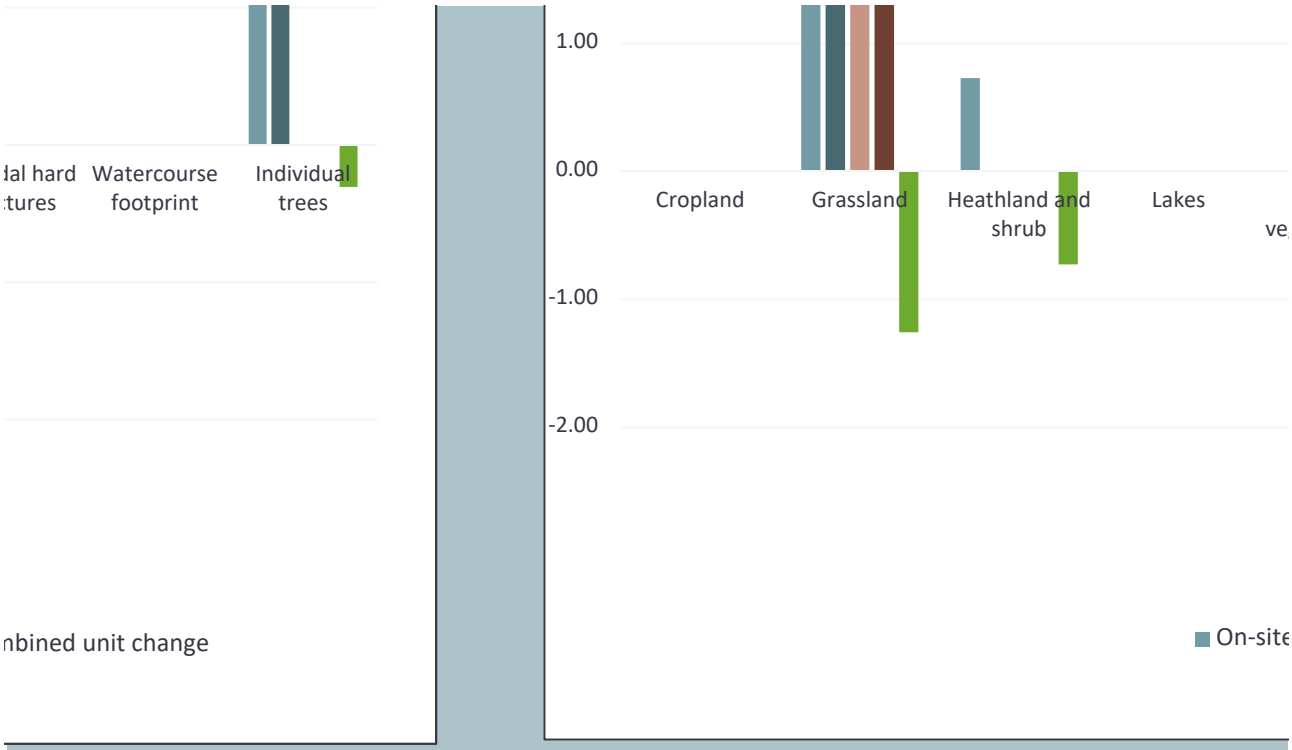


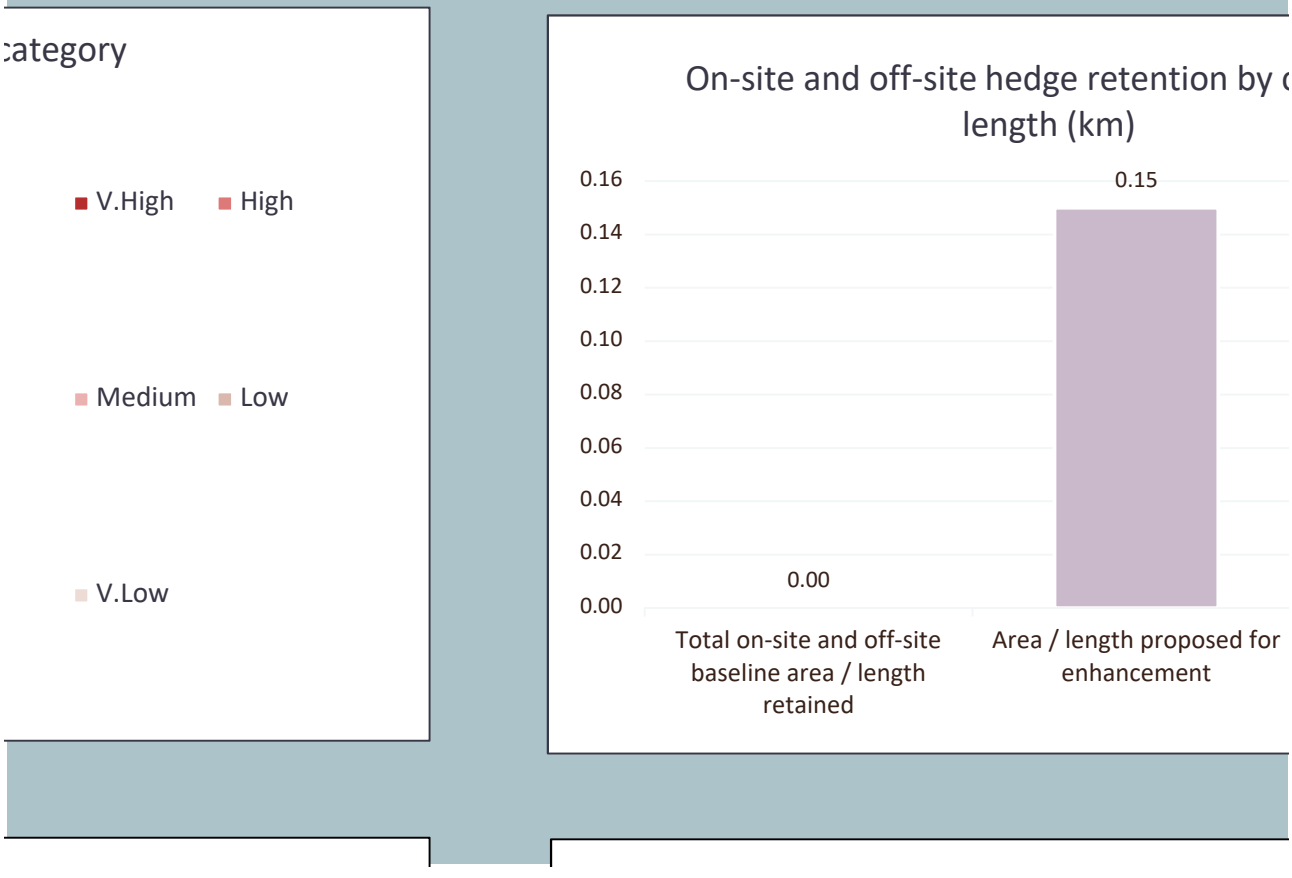
Watercourse biodiversity unit change

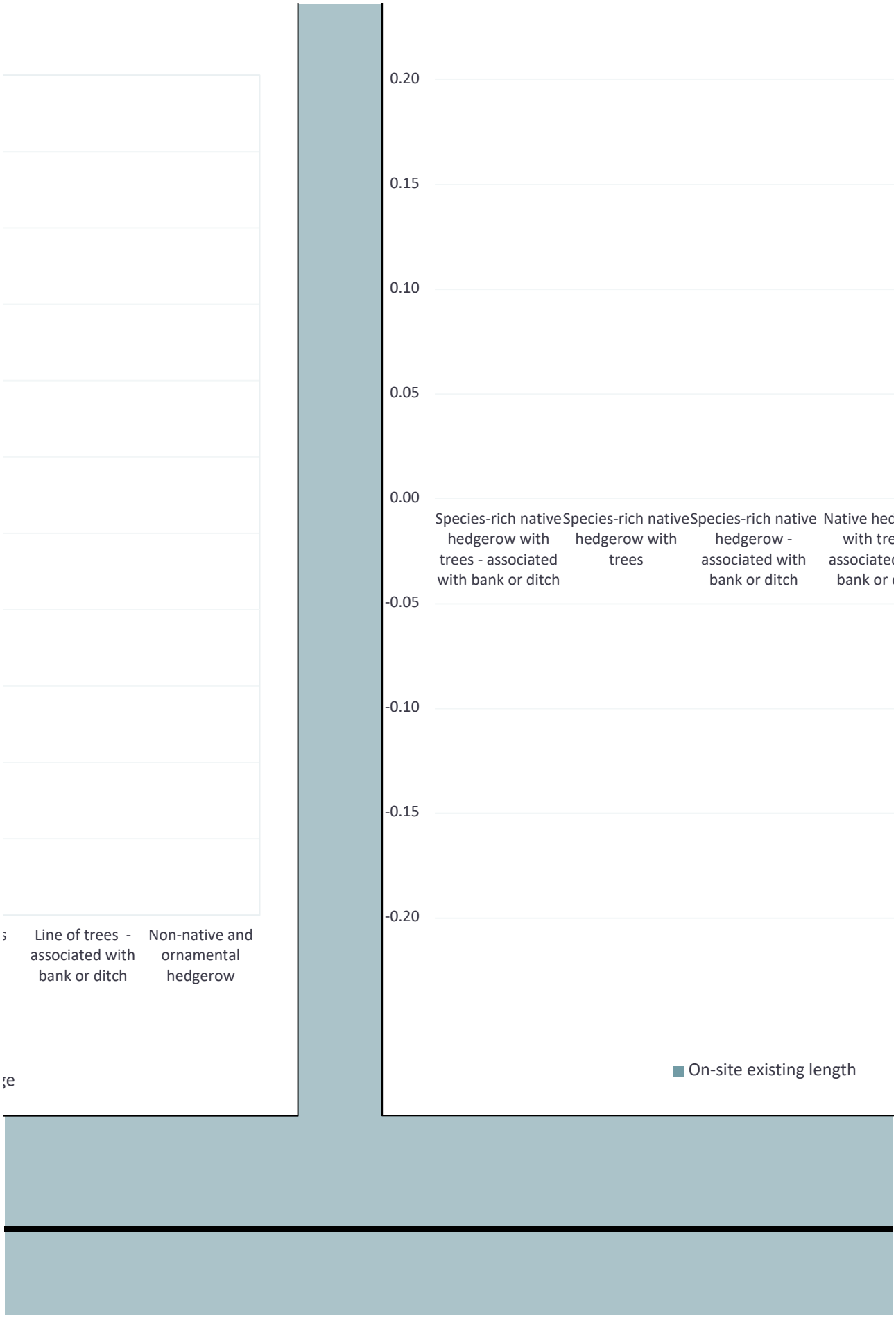
Other rivers and streams
Ditches
Canals
On-site proposed value
Off-site existing value
Off-site proposed value
Combined unit change

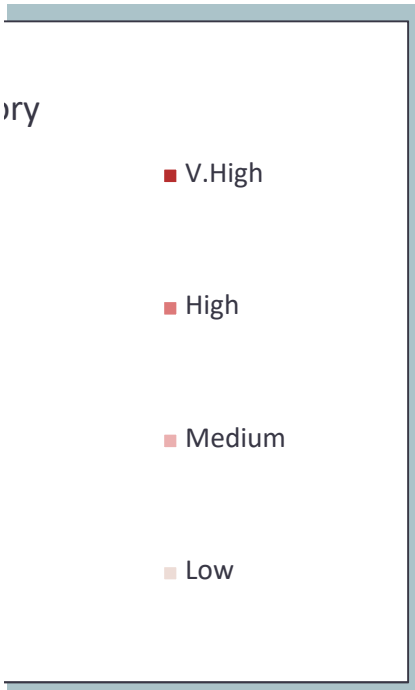

egory

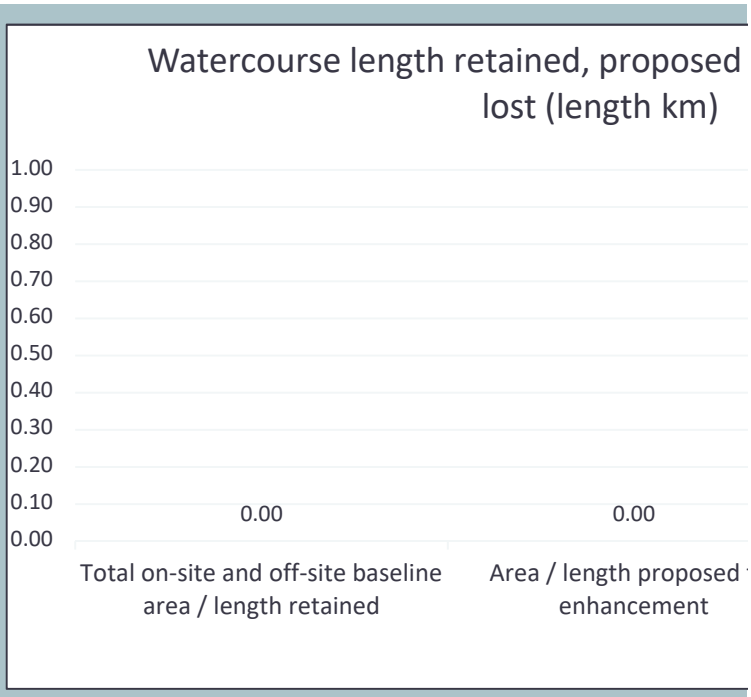

V.High
High
Medium
Low
V.Low
On-site and off-site habitat retention b
area (hectares)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
0.61
5.23
Total on-site and off-site baseline area / length retained
Area / length proposed fo enhancement
8.00
7.00
6.00
5.00
4.00
3.00
2.00


1.00
0.00
-1.00
-2.00
Watercourse footprint
Individual trees
Cropland
Grassland
Heathland and shrub
Lakes
On-site


V.High
High
Medium
Low
V.Low
On-site and off-site hedge retention by
length (km)
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0.15
0.00
Total on-site and off-site baseline area / length retained
Area / length proposed for enhancement

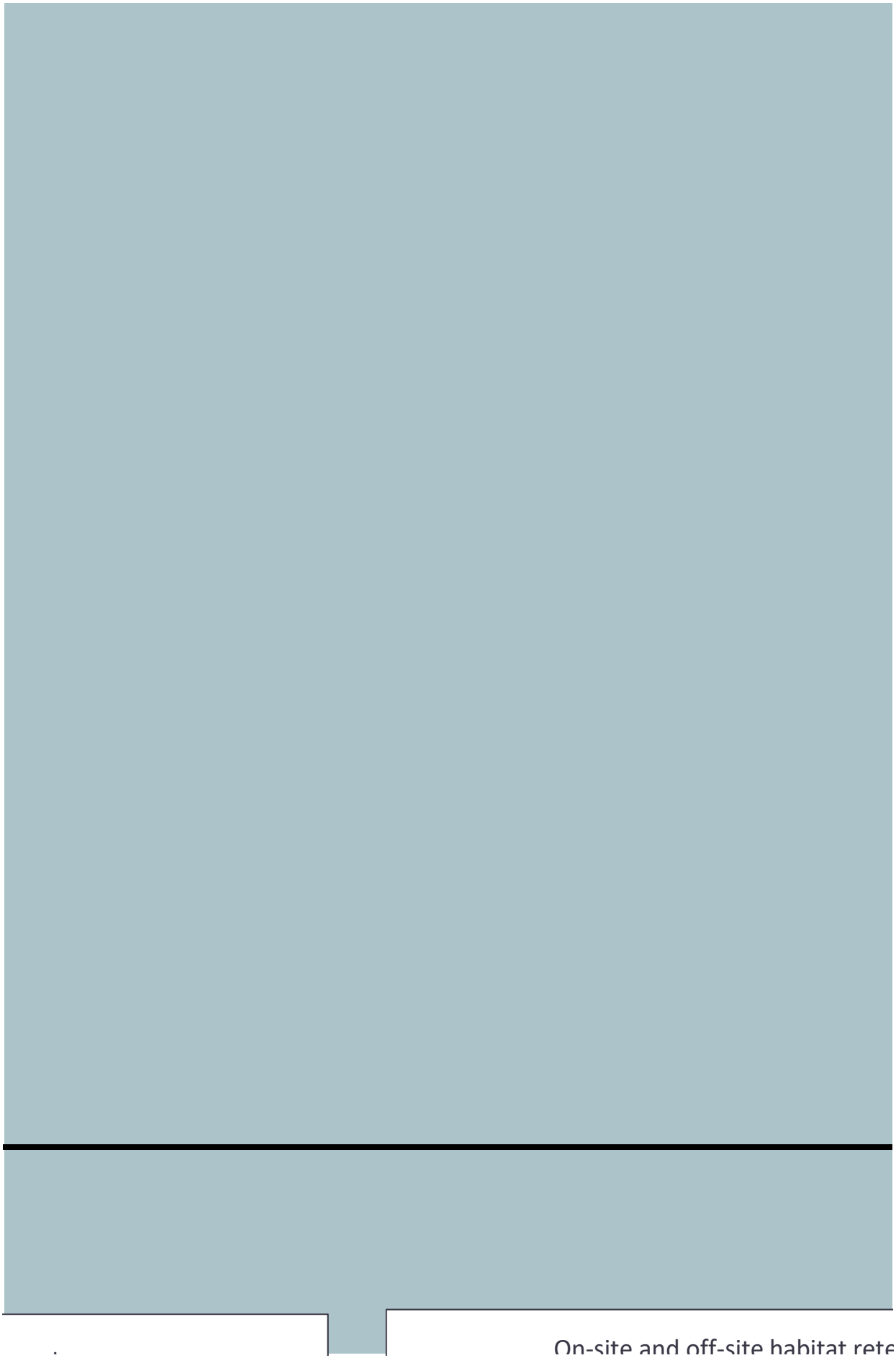

0.20
0.15
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.20
Species-rich native hedgerow with trees - associated with bank or ditch
Species-rich native hedgerow with trees
Species-rich native hedgerow - associated with bank or ditch
Native hed with tre associated bank or
Line of trees - associated with bank or ditch
Non-native and ornamental hedgerow
On-site existing length

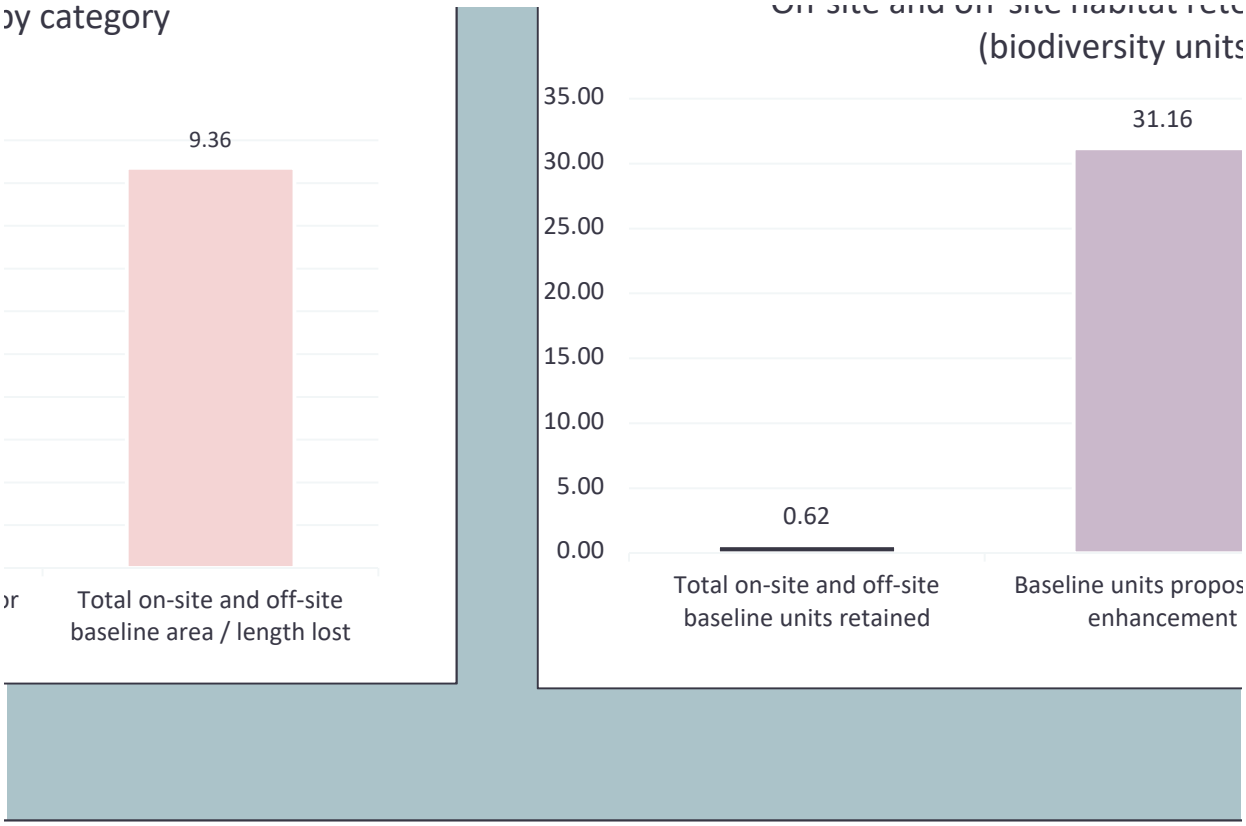

ory
V.High
High
Medium
Low


Watercourse length retained, proposed lost (length km)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0.00
0.00
Total on-site and off-site baseline area / length retained
Area / length proposed enhancement

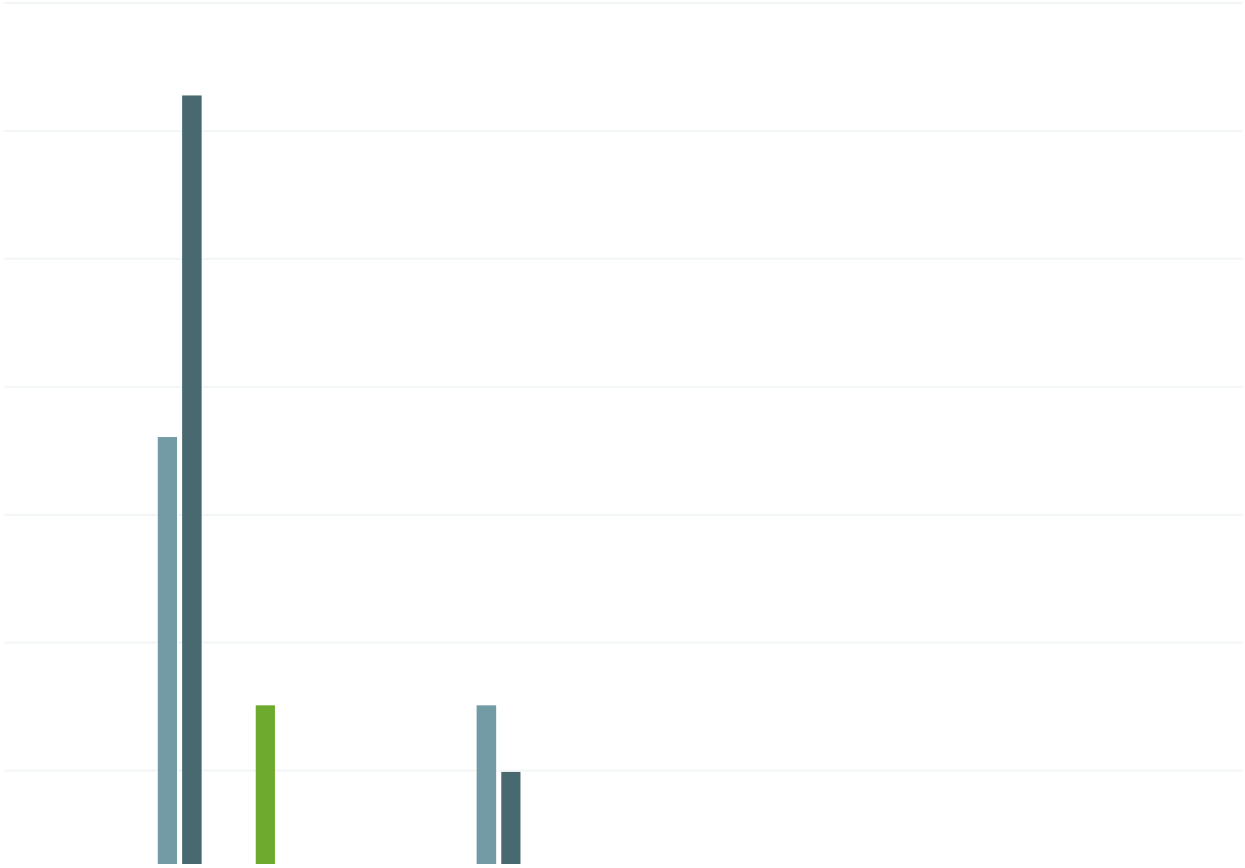
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

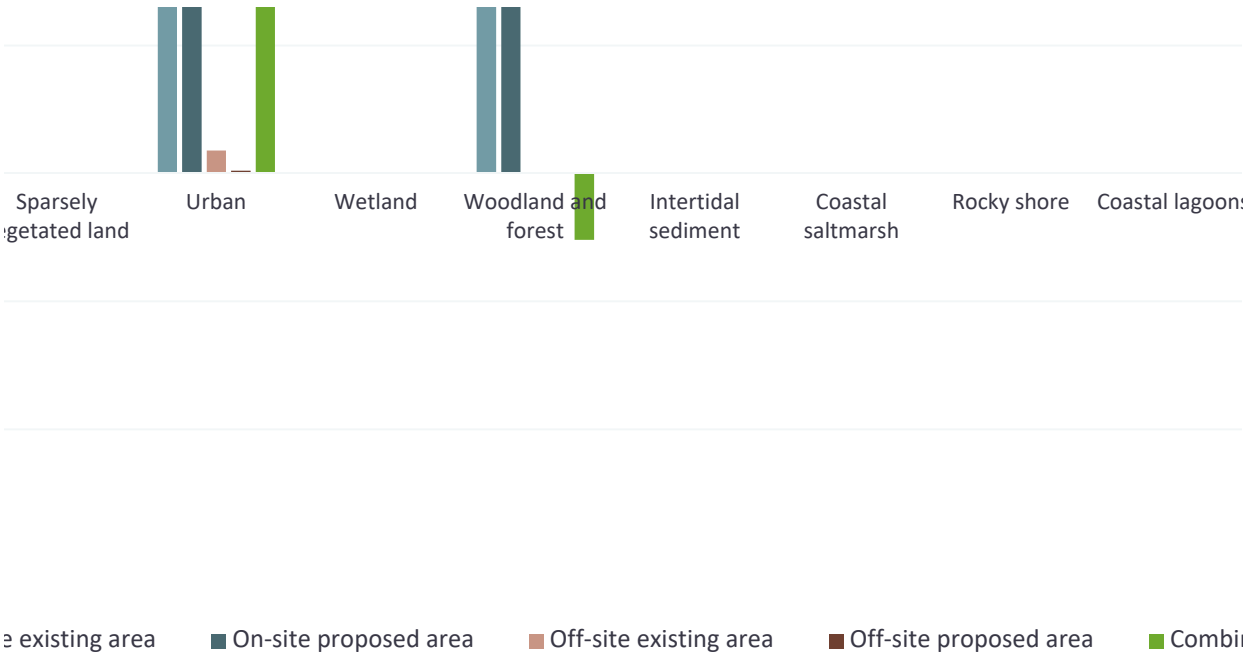
0.1
0.0
Culvert
Priority habitat
Other rive
On-site existing length
On-s

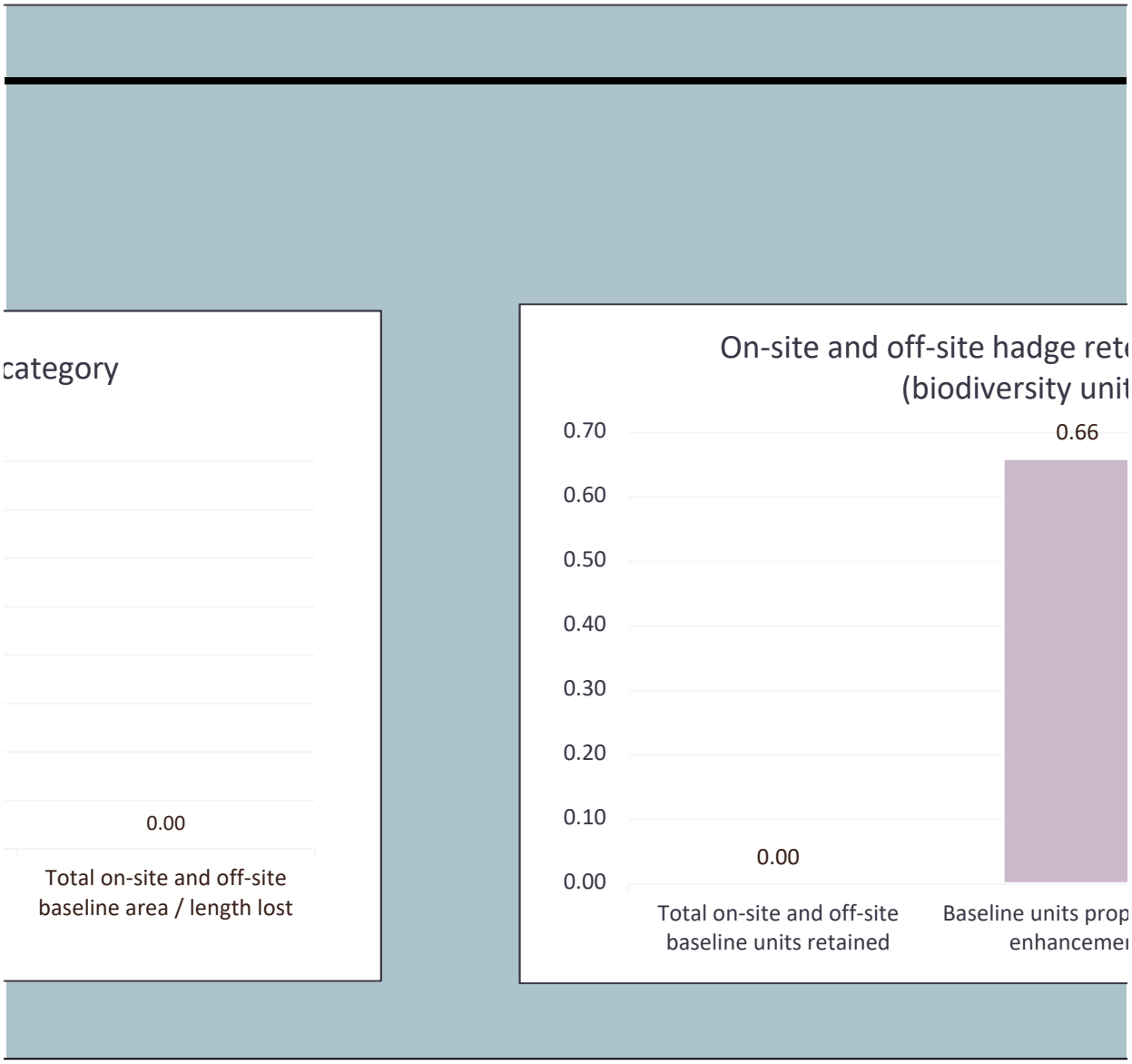

On-site and off-site habitat rete

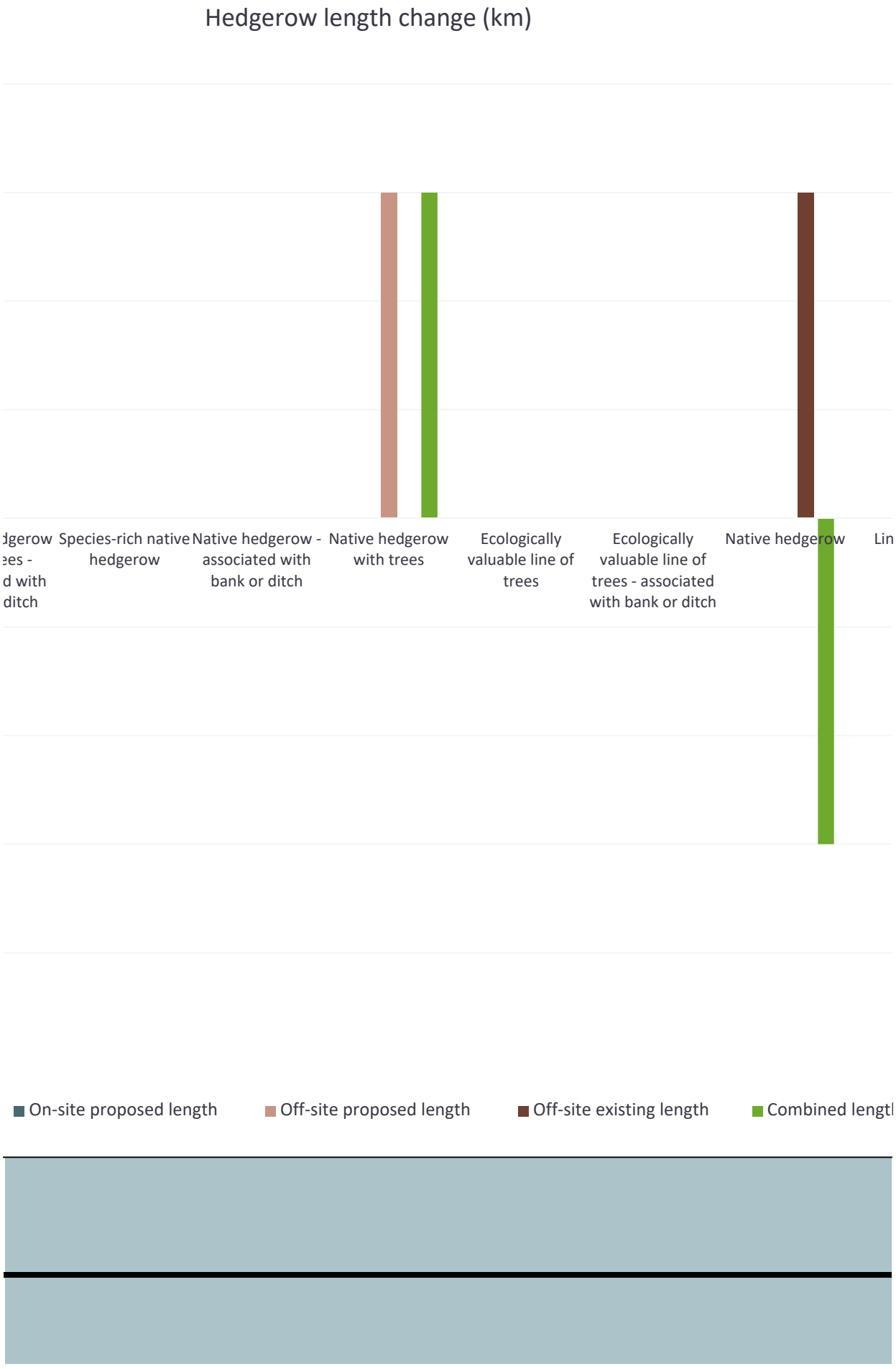


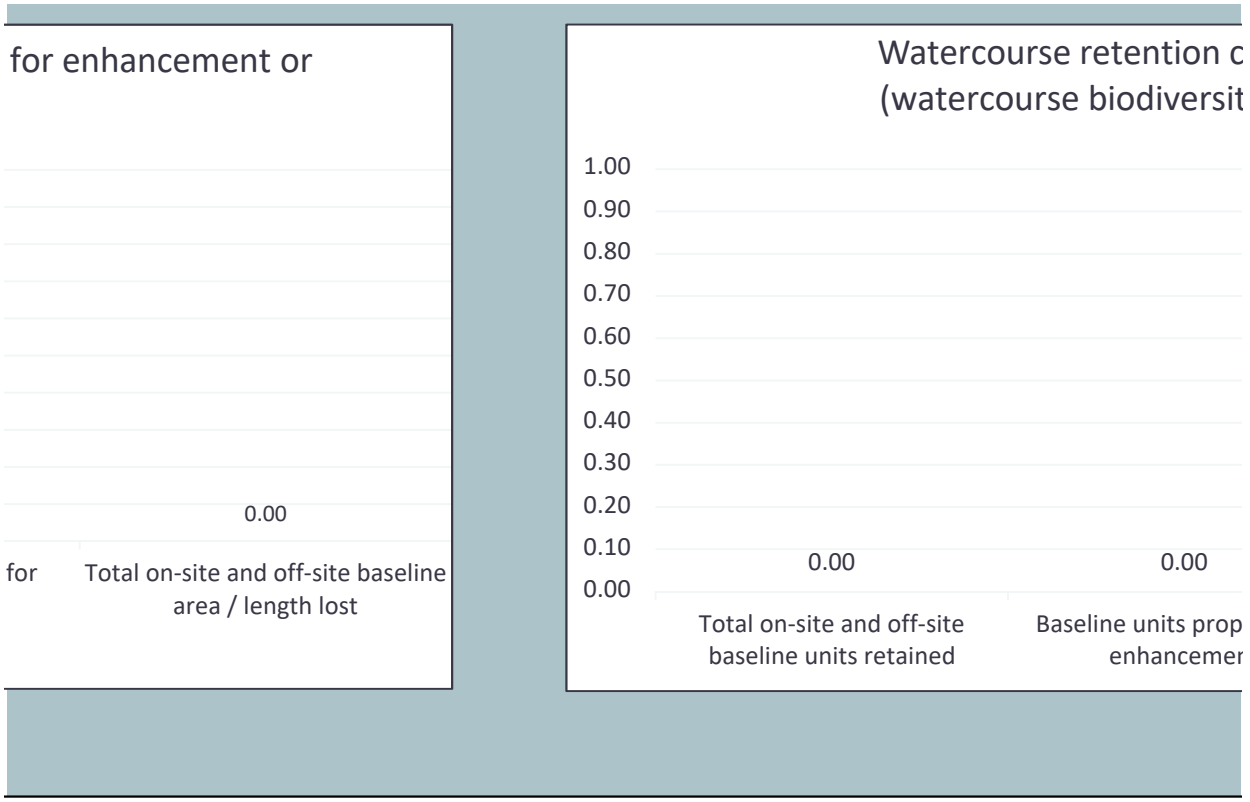
Area change by habitat group (hectares)




Sparsely
getated land
Urban
Wetland
Woodland and
forest
Intertidal
sediment
Coastal
saltmarsh
Rocky shore
Coastal lagoons
e existing area
On-site proposed area
Off-site existing area
Off-site proposed area
Combi


category
0.00
Total on-site and off-site
baseline area / length lost
On-site and off-site hadge rete
(biodiversity unit
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0.66
0.00
Total on-site and off-site
baseline units retained
Baseline units prop
enhancemer

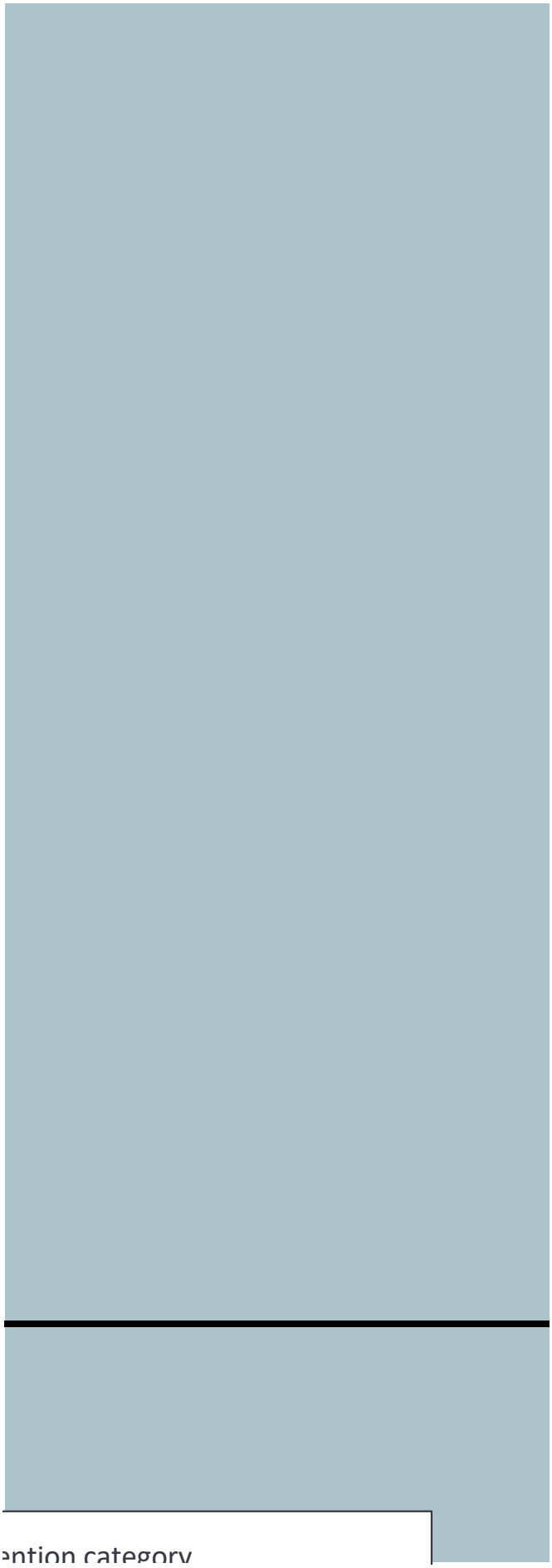

Hedgerow length change (km)
dgerow ees - d with ditch
Species-rich native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch
Native hedgerow
Lin
On-site proposed length
Off-site proposed length
Off-site existing length
Combined lengtl

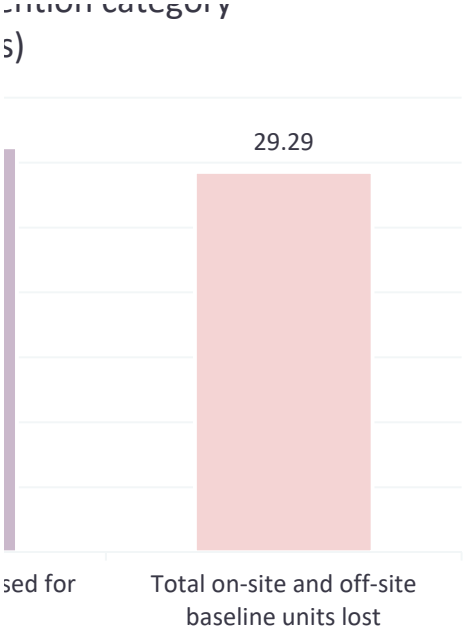


Watercourse length change (km)

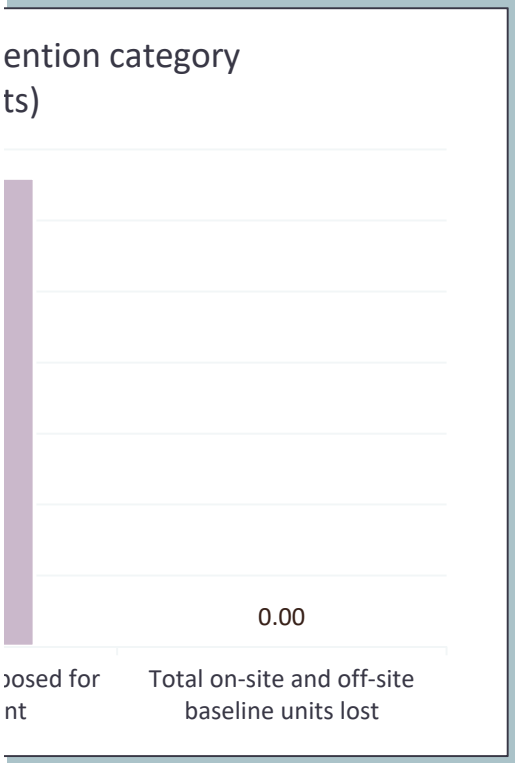
ers and streams | Ditches | Canals

ite proposed length | Off-site existing length | Off-site proposed length | Combined length change


ention category


s)
29.29
sed for
Total on-site and off-site
baseline units lost

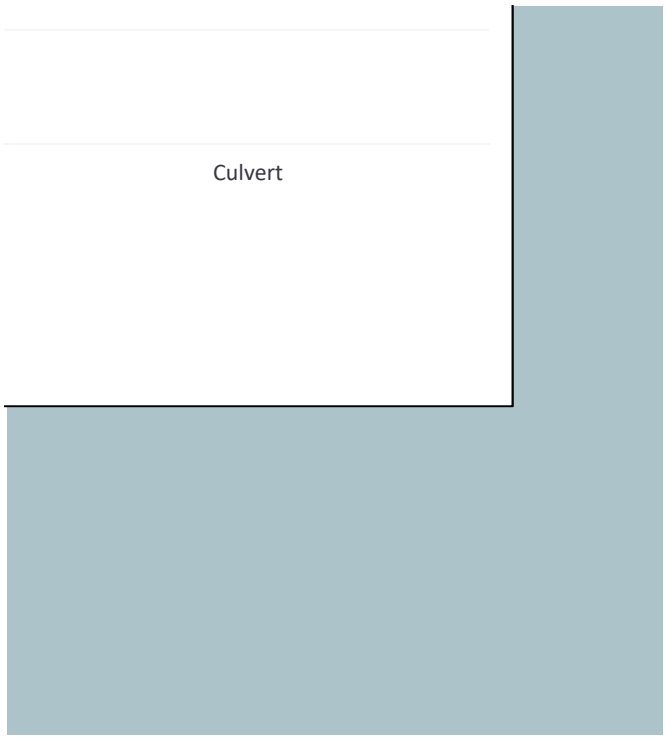
s
Intertidal hard structures
Watercourse footprint
Individual trees
ned area change


ention category
ts)
0.00
posed for
nt
Total on-site and off-site baseline units lost

ıe of trees	Line of trees - associated with bank or ditch	Non-native and ornamental hedgerow

h change

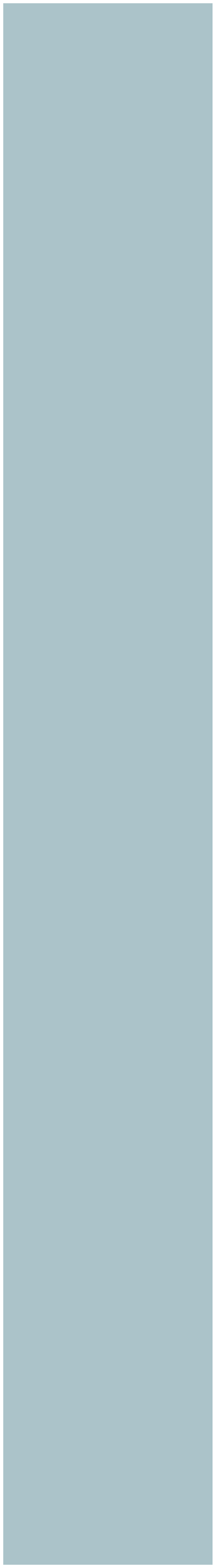
category
ty units)
0.00
posed for
nt
Total on-site and off-site baseline units lost

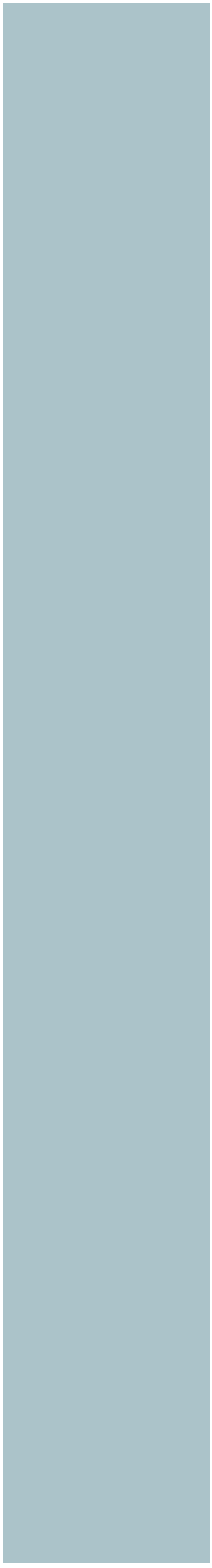

Culvert

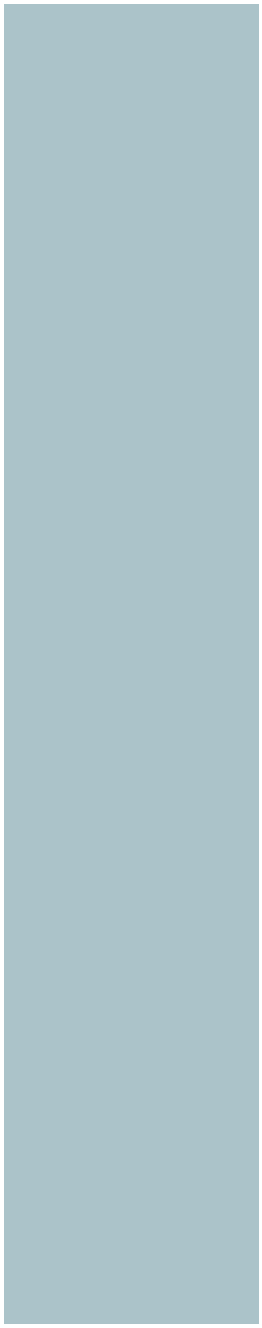
Return to results menu

Trading summary hedgerows

Trading summary Watercourses







Tradin

Distinctiveness Group
Very High
High
Medium
Low

Very High

Habitat group
Grassland - Lowland dry acid grassland
Grassland - Lowland meadows
Grassland - Upland hay meadows
Heathland and shrub - Mountain heaths and willow scrub
Lakes - Aquifer fed naturally fluctuating water bodies
Sparsely vegetated land - Calaminarian grasslands
Sparsely vegetated land - Limestone pavement
Wetland - Blanket bog
Wetland - Depressions on peat substrates (H7150)
Wetland - Fens (upland and lowland)
Wetland - Lowland raised bog
Wetland - Oceanic valley mire[1] (D2.1)
Wetland - Purple moor grass and rush pastures
Wetland - Transition mires and quaking bogs (H7140)
Woodland and forest - Wood-pasture and parkland
Rocky shore - High energy littoral rock - on peat, clay or chalk
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk
Rocky shore - Low energy littoral rock - on peat, clay or chalk
Rocky shore - Features of littoral rock - on peat, clay or chalk
Intertidal sediment - Littoral seagrass on peat, clay or chalk

High Di

Habitat group
Grassland - Traditional orchards
Grassland - Floodplain wetland mosaic and CFGM

Grassland - Lowland calcareous grassland
Grassland - Tall herb communities (H6430)
Grassland - Upland calcareous grassland
Heathland and shrub - Lowland Heathland
Heathland and shrub - Dunes with sea buckthorn (H2160)
Heathland and shrub - Upland heathland
Lakes - High alkalinity lakes
Lakes - Low alkalinity lakes
Lakes - Marl lakes
Lakes - Moderate alkalinity lakes
Lakes - Peat lakes
Lakes - Ponds (priority habitat)
Lakes - Temporary lakes ponds and pools (H3170)
Sparsely vegetated land - Coastal sand dunes
Sparsely vegetated land - Coastal vegetated shingle
Sparsely vegetated land - Inland rock outcrop and scree habitats
Sparsely vegetated land - Maritime cliff and slopes
Urban - Open mosaic habitats on previously developed land
Wetland - Reedbeds
Woodland and forest - Felled
Woodland and forest - Lowland beech and yew woodland
Woodland and forest - Lowland mixed deciduous woodland
Woodland and forest - Native pine woodlands
Woodland and forest - Upland birchwoods
Woodland and forest - Upland mixed ashwoods
Woodland and forest - Upland oakwood
Woodland and forest - Wet woodland
Coastal lagoons - Coastal lagoons
Rocky shore - High energy littoral rock
Rocky shore - Moderate energy littoral rock
Rocky shore - Low energy littoral rock
Rocky shore - Features of littoral rock
Intertidal sediment - Littoral mud
Intertidal sediment - Littoral mixed sediments
Coastal saltmarsh - Saltmarshes and saline reedbeds
Intertidal sediment - Littoral biogenic reefs - Mussels
Intertidal sediment - Littoral biogenic reefs - Sabellaria
Intertidal sediment - Features of littoral sediment
Intertidal sediment - Littoral muddy sand
Intertidal sediment - Littoral seagrass

Medium I

Habitat group

Cropland - Arable field margins cultivated annually
Cropland - Arable field margins game bird mix
Cropland - Arable field margins pollen and nectar
Cropland - Arable field margins tussocky
Grassland - Other lowland acid grassland
Grassland - Other neutral grassland
Grassland - Upland acid grassland
Heathland and shrub - Blackthorn scrub
Heathland and shrub - Bramble scrub
Heathland and shrub - Gorse scrub
Heathland and shrub - Hawthorn scrub
Heathland and shrub - Willow scrub
Heathland and shrub - Hazel scrub
Heathland and shrub - Mixed scrub
Lakes - Ponds (non-priority habitat)
Lakes - Reservoirs
Sparsely vegetated land - Other inland rock and scree
Urban - Cemeteries and churchyards
Urban - Biodiverse green roof
Individual trees - Urban tree
Individual trees - Rural tree
Woodland and forest - Other Scot's pine woodland
Woodland and forest - Other woodland; broadleaved
Woodland and forest - Other woodland; mixed
Intertidal sediment - Littoral coarse sediment
Intertidal sediment - Littoral sand
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGGI)

Low Distinctivene

Habitat group
Cropland - Cereal crops
Cropland - Horticulture
Cropland - Intensive orchards
Cropland - Non-cereal crops
Cropland - Temporary grass and clover leys
Cropland - Winter stubble
Grassland - Modified grassland
Grassland - Bracken

Heathland and shrub - Rhododendron scrub
Lakes - Ornamental lake or pond
Sparsely vegetated land - Ruderal/ephemeral
Sparsely vegetated land - Tall forbs
Urban - Bioswale
Urban - Bare ground
Urban - Allotments
Urban - Facade-bound green wall
Urban - Ground based green wall
Urban - Ground level planters
Urban - Other green roof
Urban - Intensive green roof
Urban - Introduced shrub
Urban - Rain garden
Urban - Actively worked sand pit quarry or open cast mine
Urban - Sustainable drainage system
Urban - Vacant or derelict land
Urban - Vegetated garden
Woodland and forest - Other coniferous woodland
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds
Intertidal sediment - Artificial littoral coarse sediment
Intertidal sediment - Artificial littoral mud
Intertidal sediment - Artificial littoral sand
Intertidal sediment - Artificial littoral muddy sand
Intertidal sediment - Artificial littoral mixed sediments
Intertidal sediment - Artificial littoral seagrass
Intertidal sediment - Artificial littoral biogenic reefs
Intertidal hard structures - Artificial hard structures
Intertidal hard structures - Artificial features of hard structures
Heathland and shrub - Other sea buckthorn scrub

g Summary

Trading Rule
Bespoke compensation likely to be required 🛠
Same habitat required =
Same broad habitat or a higher distinctiveness habitat required (≥)
Same distinctiveness or better habitat required ≥

Distinctiveness

Group	On-site unit change	Off-site unit change	Project-wide unit change
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
	0.00	**0.00**	**0.00**

stinctiveness

Group	On-site unit change	Off-site unit change	Project-wide unit change
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00

Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	-1.43	0.00	-1.43
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
	-1.43	**0.00**	**-1.43**

Distinctiveness

Group	On-site unit change	Off-site unit change	Project wide unit change

Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Grassland	22.96	16.91	39.87
Grassland	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	-6.41	0.00	-6.41
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Individual trees	-1.53	0.00	-1.53
Individual trees	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	-2.72	0.00	-2.72
Woodland and forest	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00
	12.31	**16.91**	**29.22**

SS

Group	On-site unit change	Off-site unit change	Project wide unit change
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Grassland	-9.51	-3.93	-13.44
Grassland	0.00	0.00	0.00

Heathland and shrub	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.29	0.00	0.29
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	-0.46	0.00	-0.46
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	4.18	0.00	4.18
Woodland and forest	0.22	0.00	0.22
Coastal saltmarsh	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
	-5.28		**-9.21**

Trading Satisfied?
Yes ✓
No ▲
No ▲
Yes ✓

Unit losses
0.00

Very High Distinctiveness Summ

Very High Distinctiveness Units available to offset lower distinctiveness deficit

Losses not yet accounted for

High Distinctiveness Summar

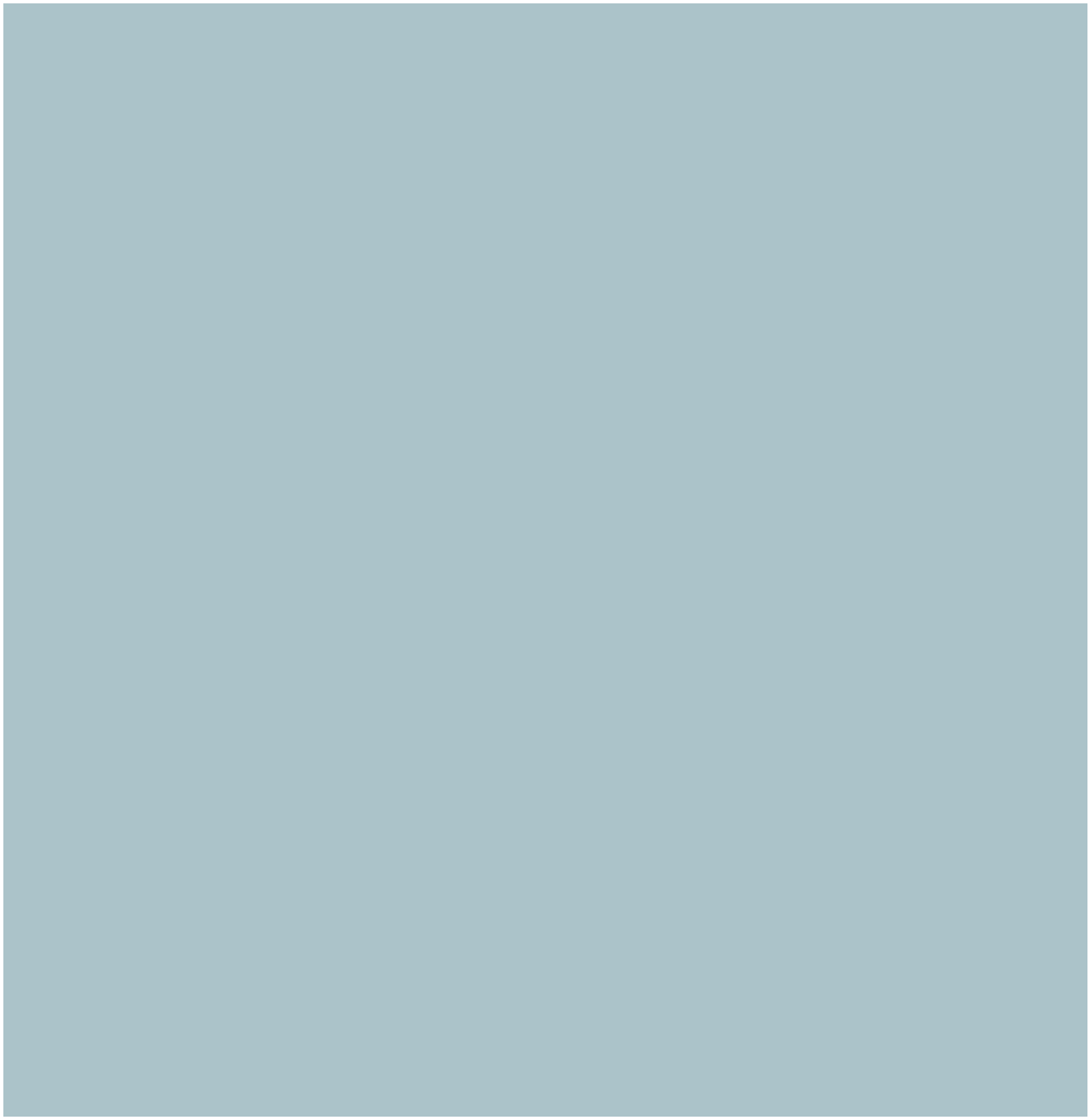
High Distinctiveness Units available to offset lower distinctiveness deficit

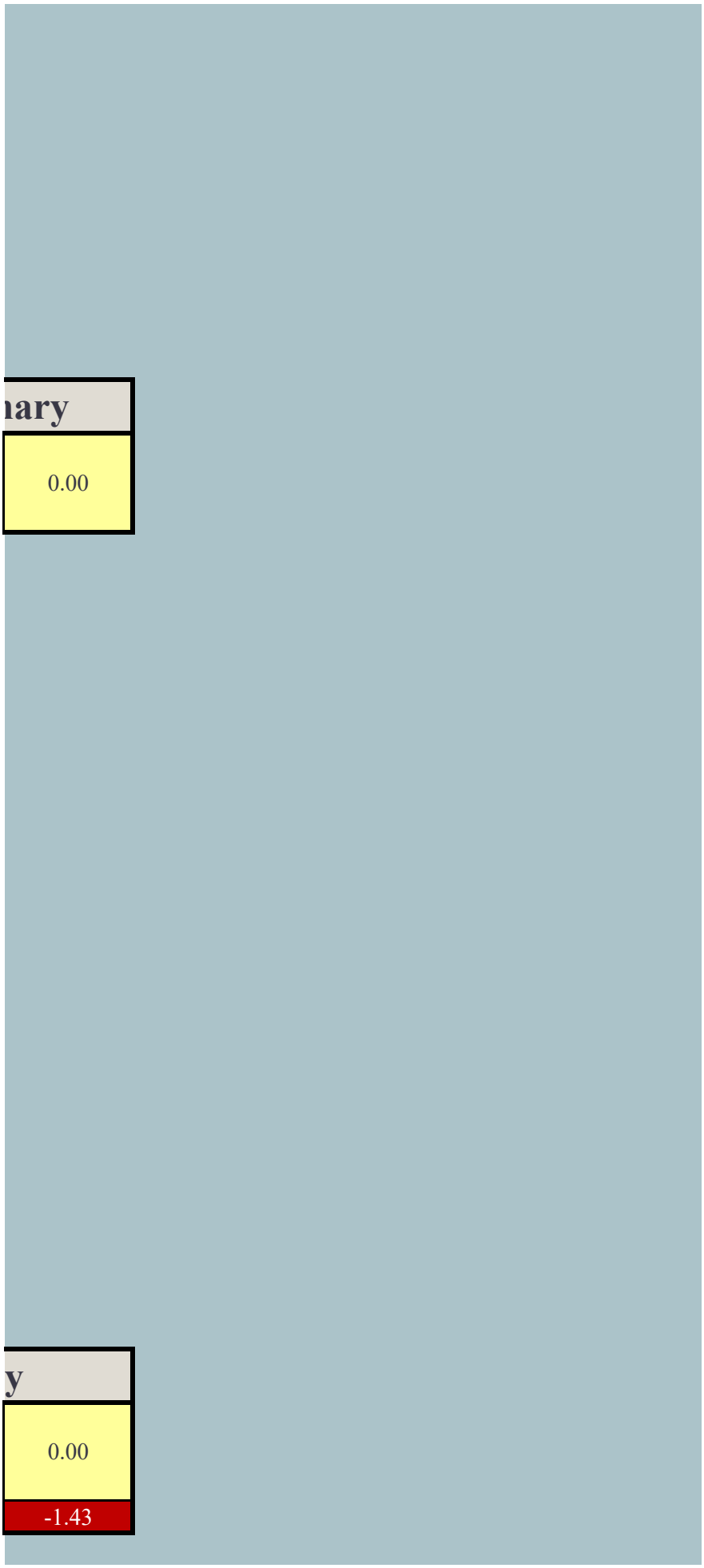
Unit Deficit; Like for like not satisfied

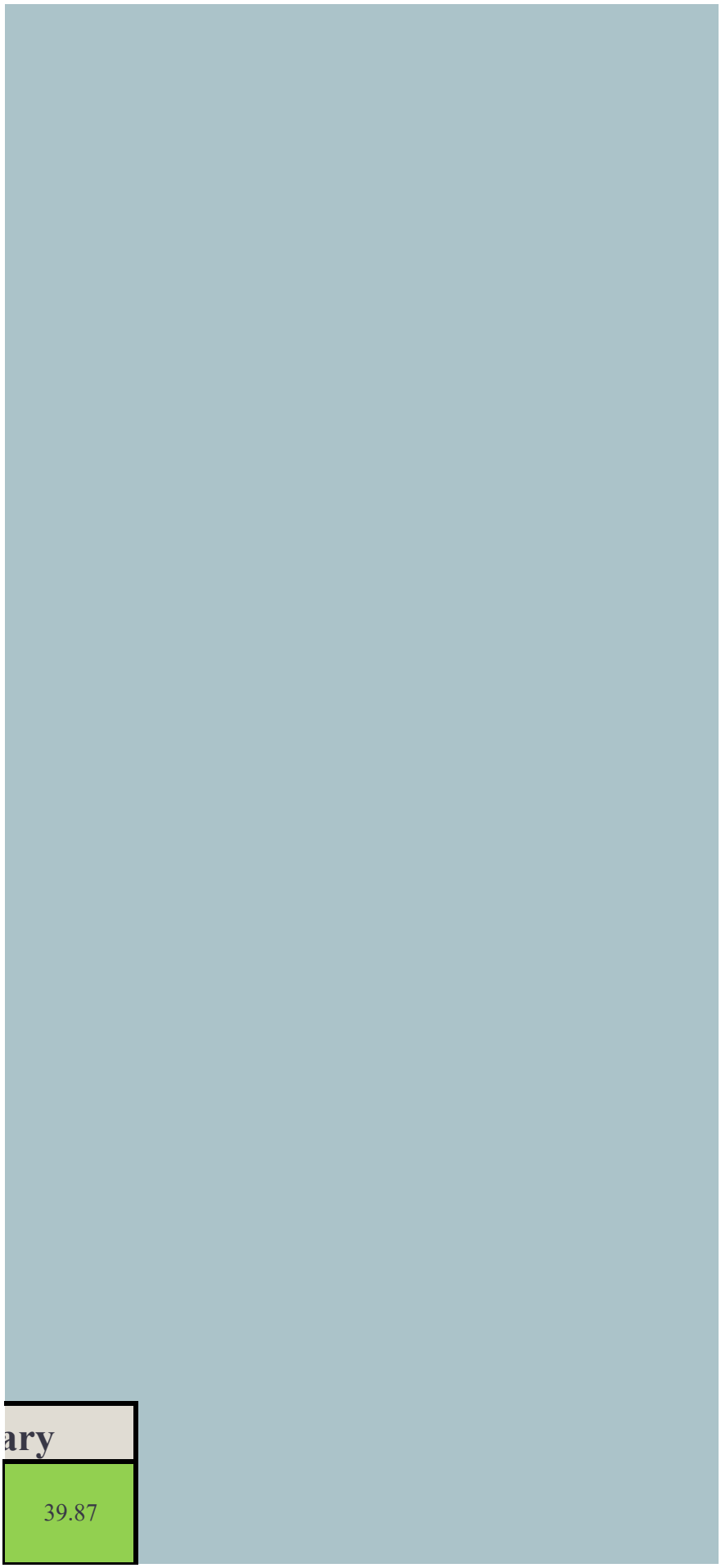
0.00
39.87
-6.41
0.00
0.00
0.00
-1.53
-2.72
0.00

Medium Distinctiveness Broad Habitat Deficit to be offset by trading up
Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit
Cumulative surplus of units

Low Distinctiveness Summar
Low Distinctiveness net change in units
Cumulative surplus of units

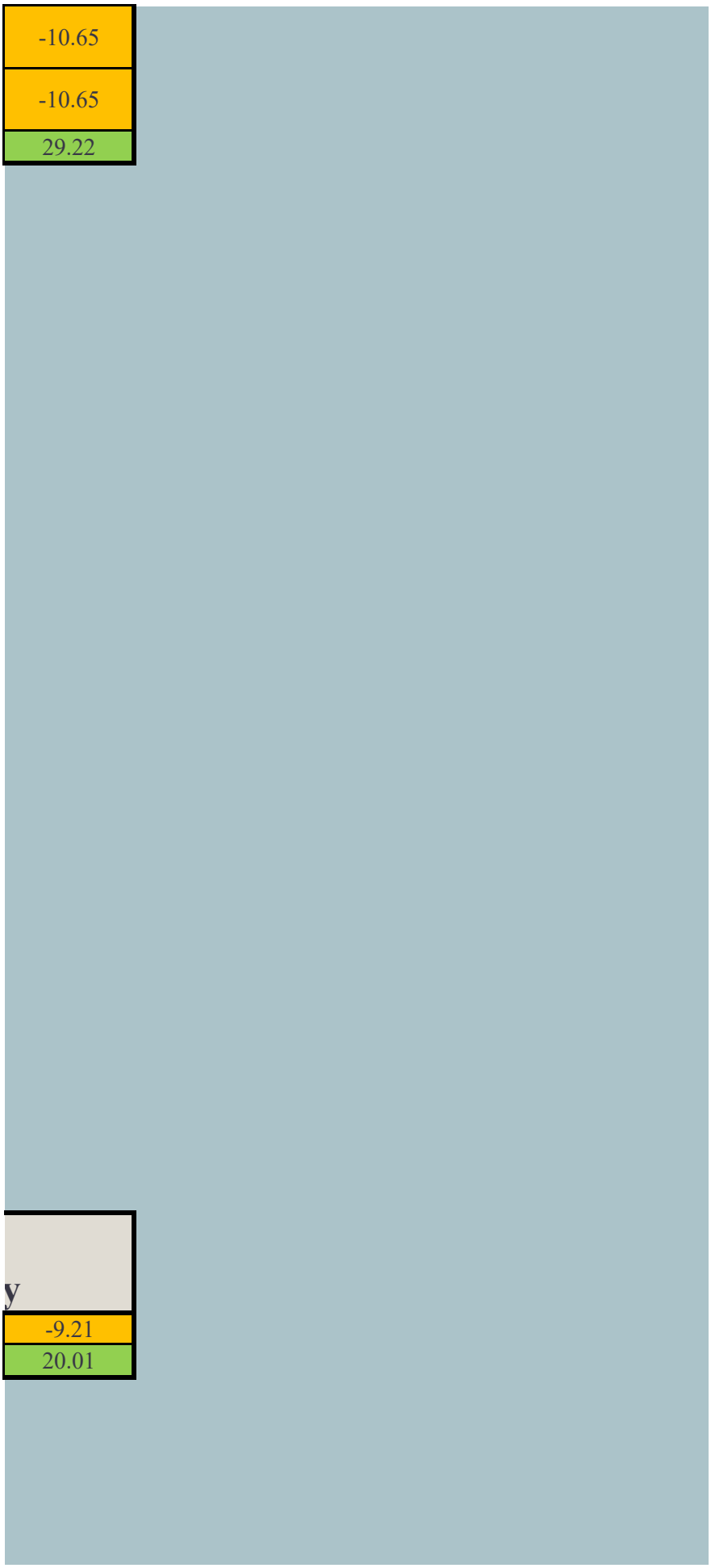


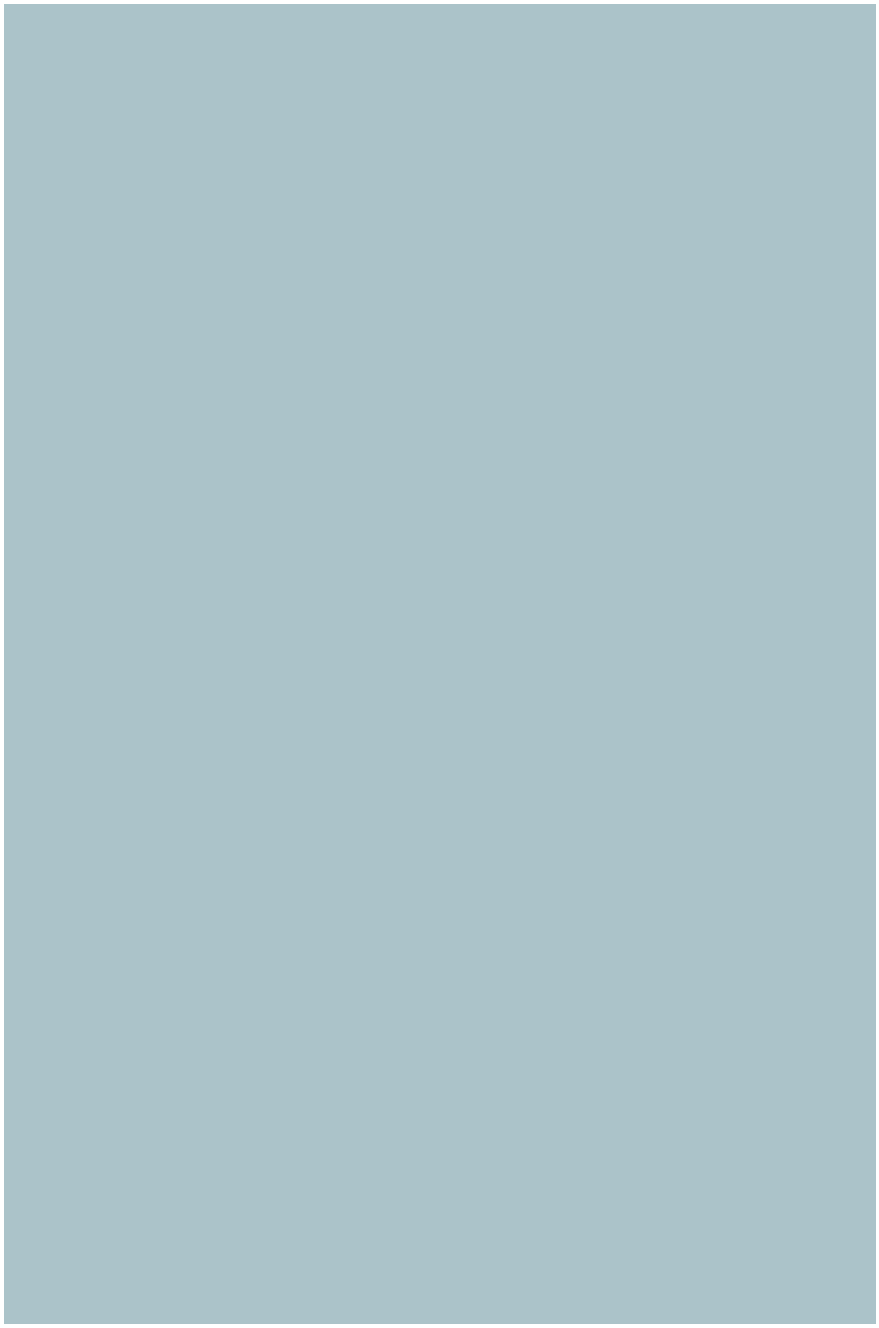

nary
0.00
y
0.00
-1.43



ary

39.87

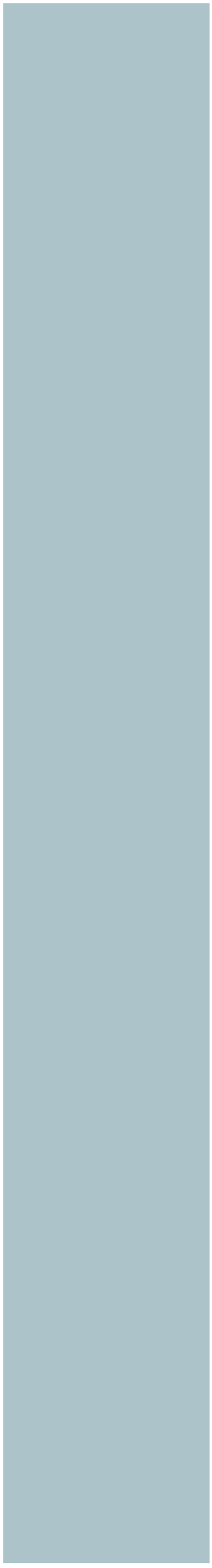

-10.65
-10.65
29.22
y
-9.21
20.01

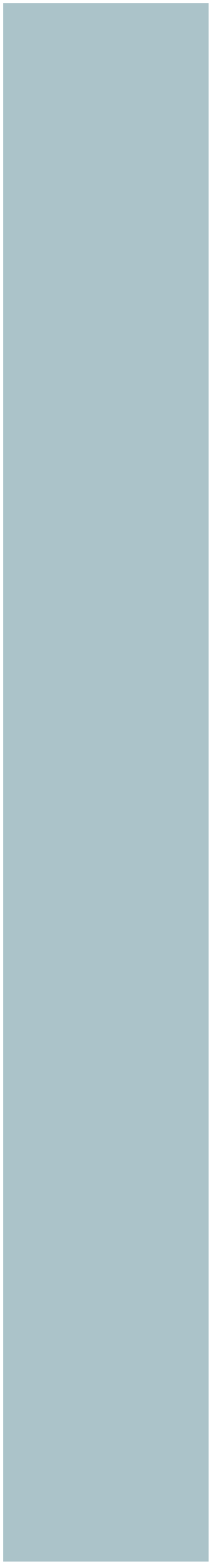


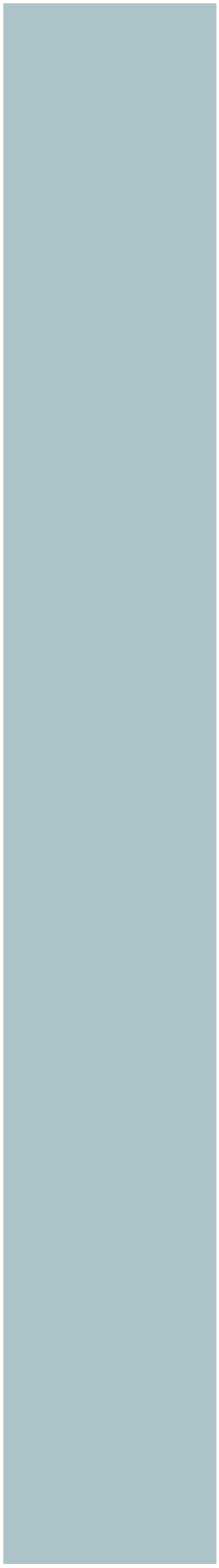
Return to results menu

Trading summary Area Habitats

Trading summary Watercourses







Distinctiveness Group
Very High
High
Medium
Low/Very Low

Very High Distinctiveness

Habitat group
Species-rich native hedgerow with trees - associated with bank or ditch

High Distinctiveness

Habitat group
Species-rich native hedgerow with trees
Species-rich native hedgerow - associated with bank or ditch
Native hedgerow with trees - associated with bank or ditch

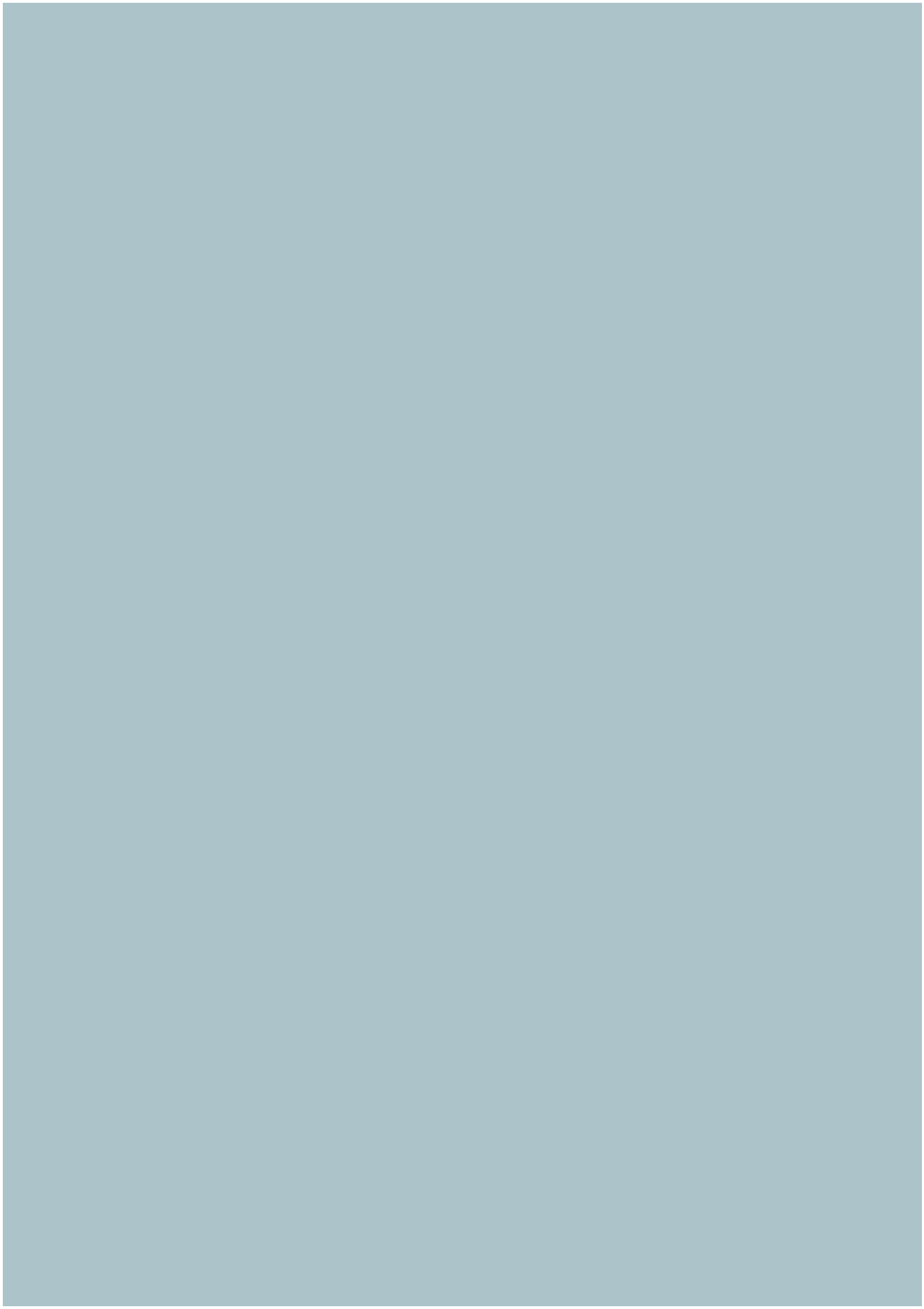
Medium Distinctiveness

Habitat group

Species-rich native hedgerow
Native hedgerow - associated with bank or ditch
Native hedgerow with trees
Ecologically valuable line of trees
Ecologically valuable line of trees - associated with bank or ditch

Low/Very Low Distinctiveness

Habitat group
Native hedgerow
Line of trees
Line of trees - associated with bank or ditch
Non-native and ornamental hedgerow



Trading Summary

Trading Rule
Same habitat required =
Like for like or better
Same distinctiveness or better habitat required
Same distinctiveness or better habitat required

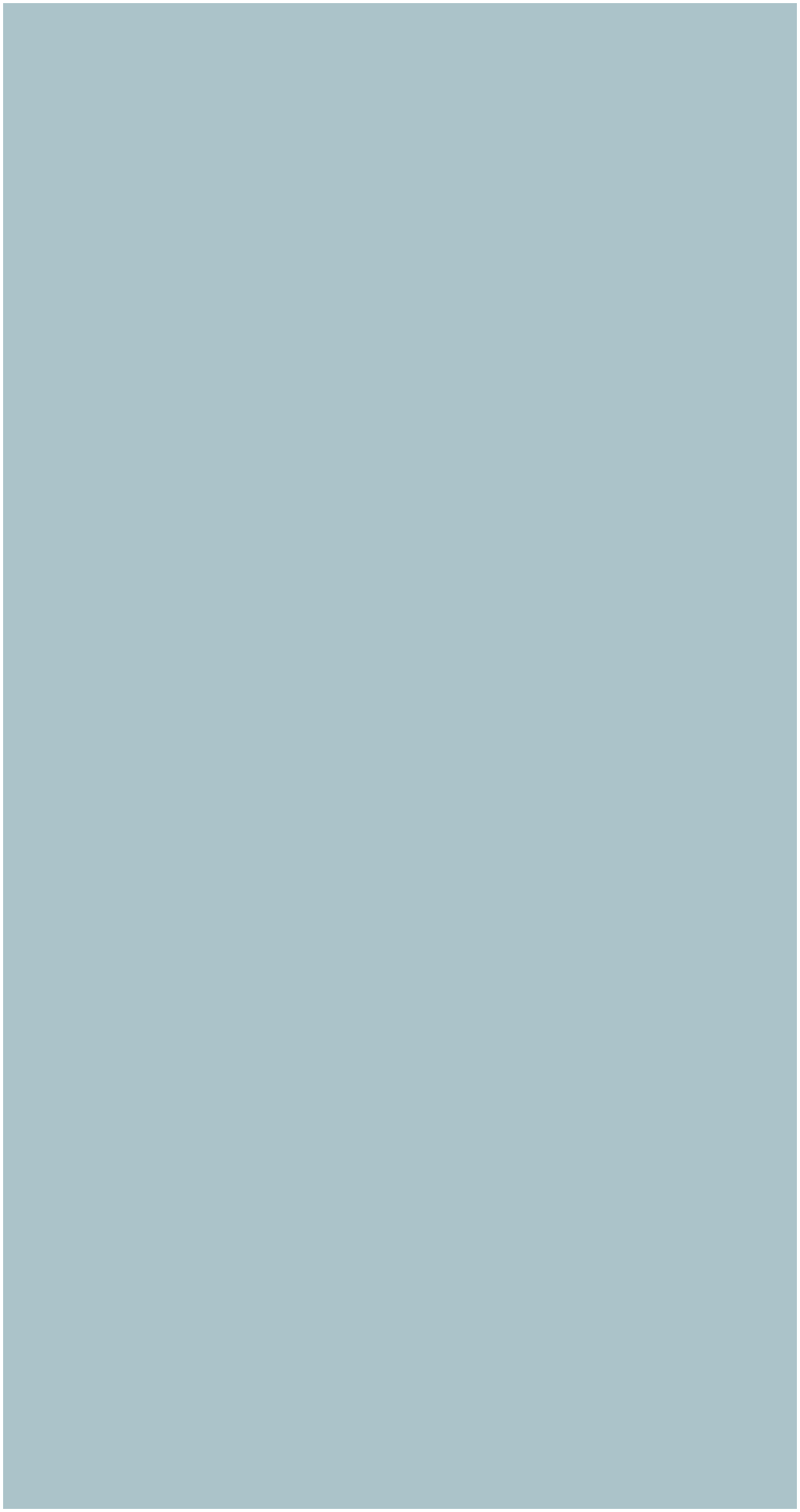
On-site unit change	Off-site unit change	Project-wide unit change
0.00	0.00	0.00
0.00	**0.00**	**0.00**

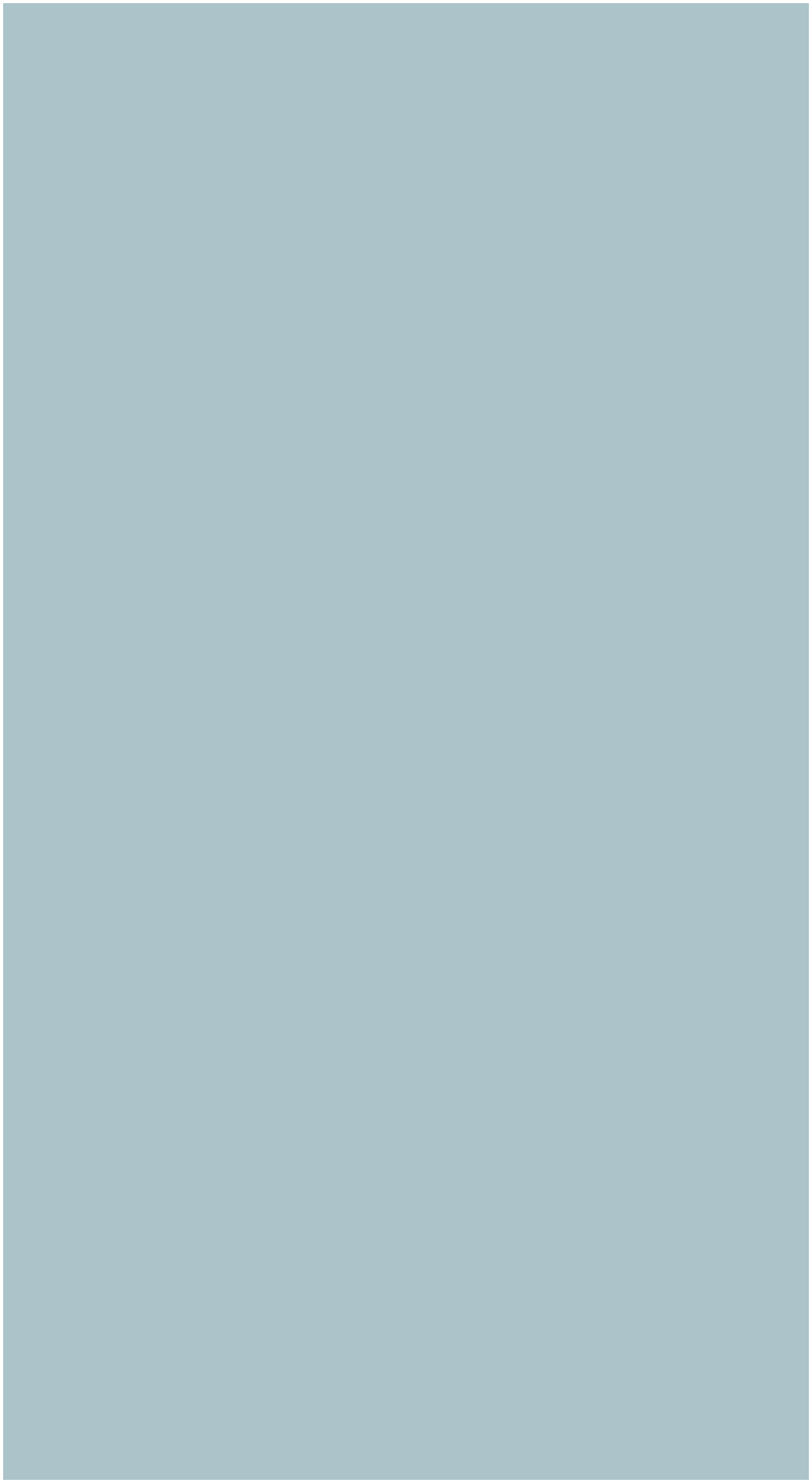
On-site unit change	Off-site unit change	Project wide unit change
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	**0.00**	**0.00**

On-site unit change	Off-site unit change	Project wide unit change

0.00	0.00	0.00
0.00	0.00	0.00
0.00	1.12	1.12
0.00	0.00	0.00
0.00	0.00	0.00
0.00	**1.12**	**1.12**

On-site unit change	Off-site unit change	Project wide unit change
0.00	-0.66	-0.66
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	**-0.66**	**-0.66**





Trading Satisfied?
Yes ✓
Yes ✓
Yes ✓
Yes ✓

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Unit Deficit; Like for like not satisfied	0.00

High Distinctiveness Summary

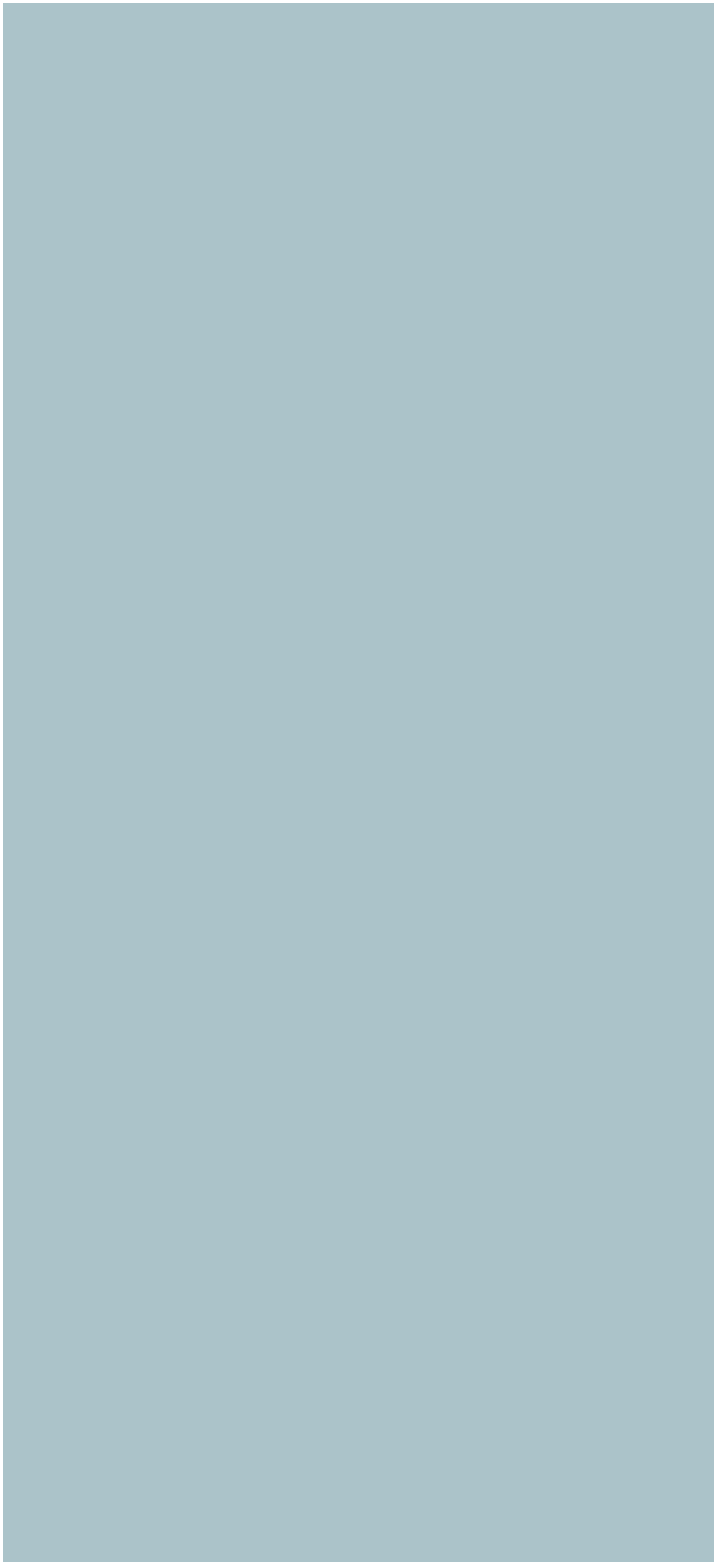
High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
High Distinctivness Deficit to be offset by trading up	0.00
Higher Distinctiveness surplus units minus any high distinctivness deficit	0.00

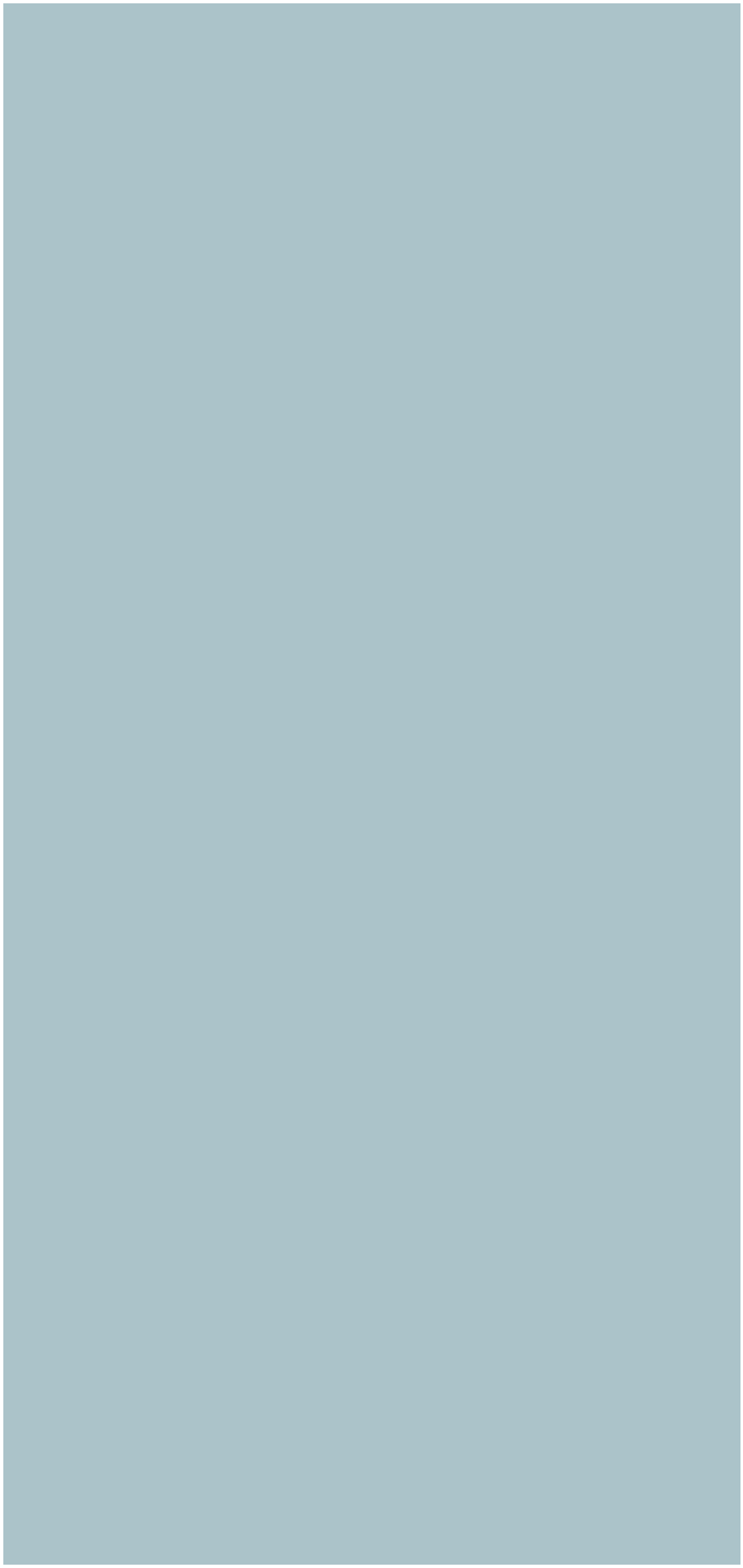
Medium Distinctiveness Summary

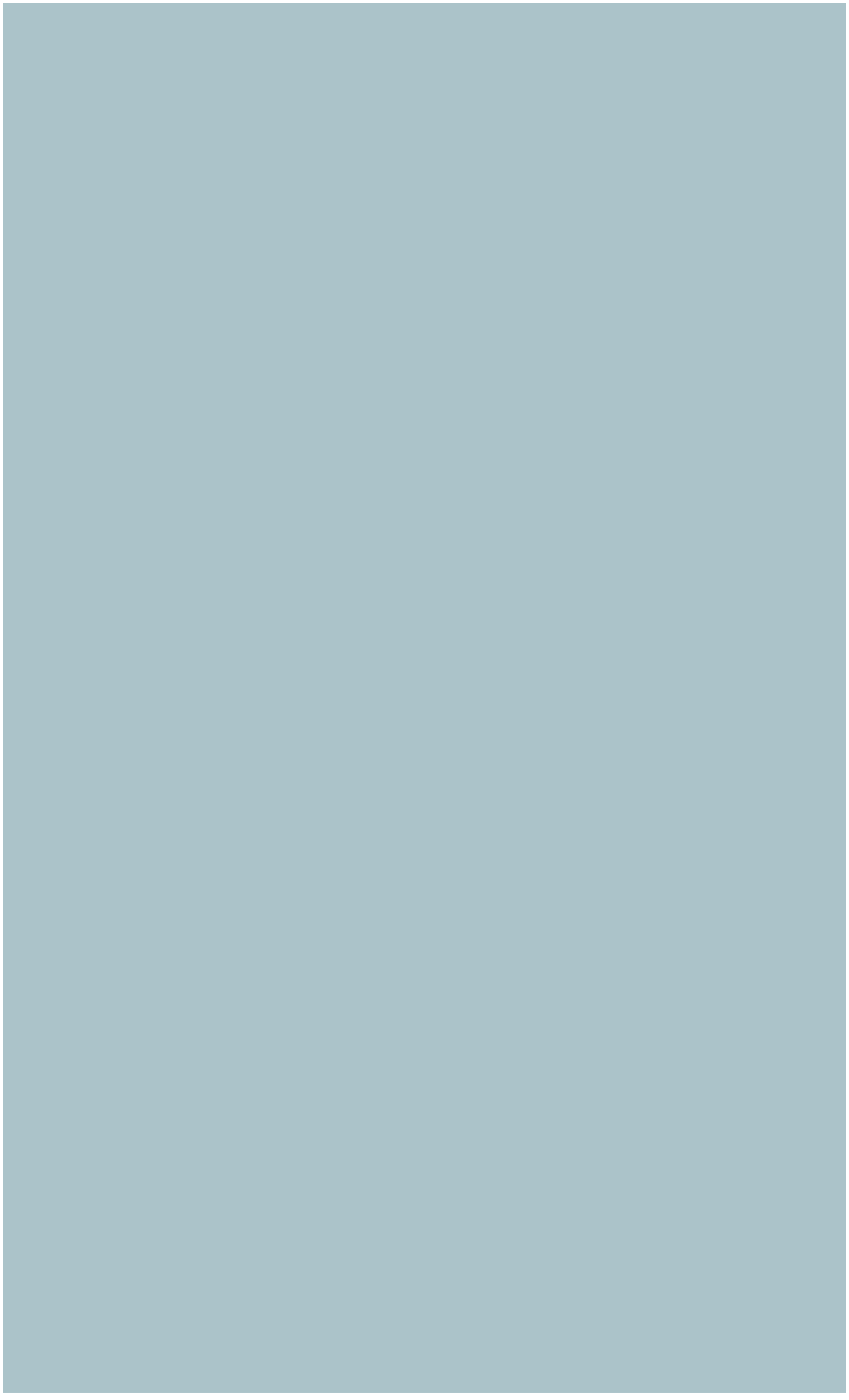
Units available from higher distinctiveness habitats	0.00

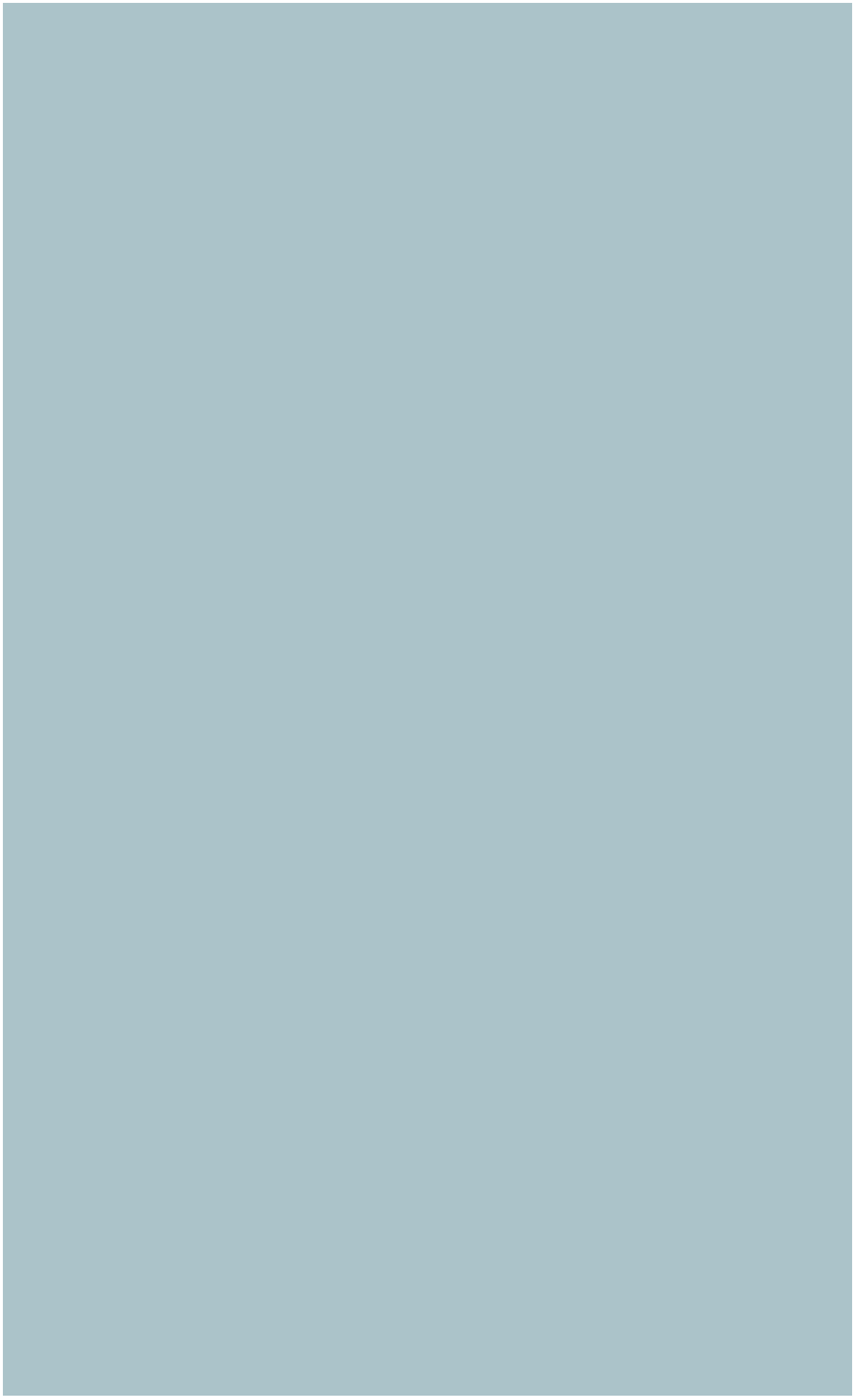
Medium Distinctiveness net change in units	1.12
Cumulative availability of units	1.12

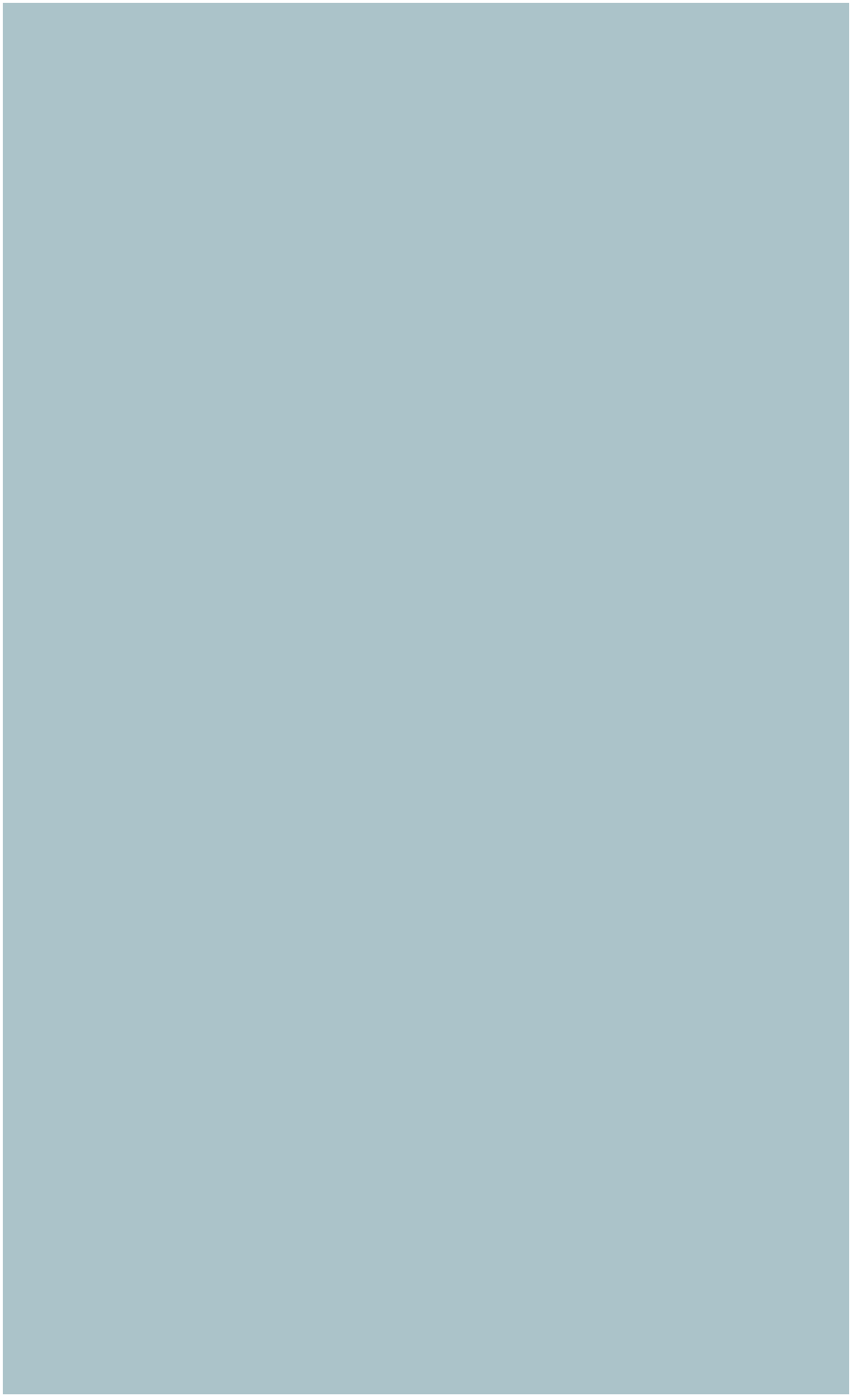
Low Distinctiveness Summary	
Low Distinctiveness net change in units	-0.66
Cumulative availability of units	0.46

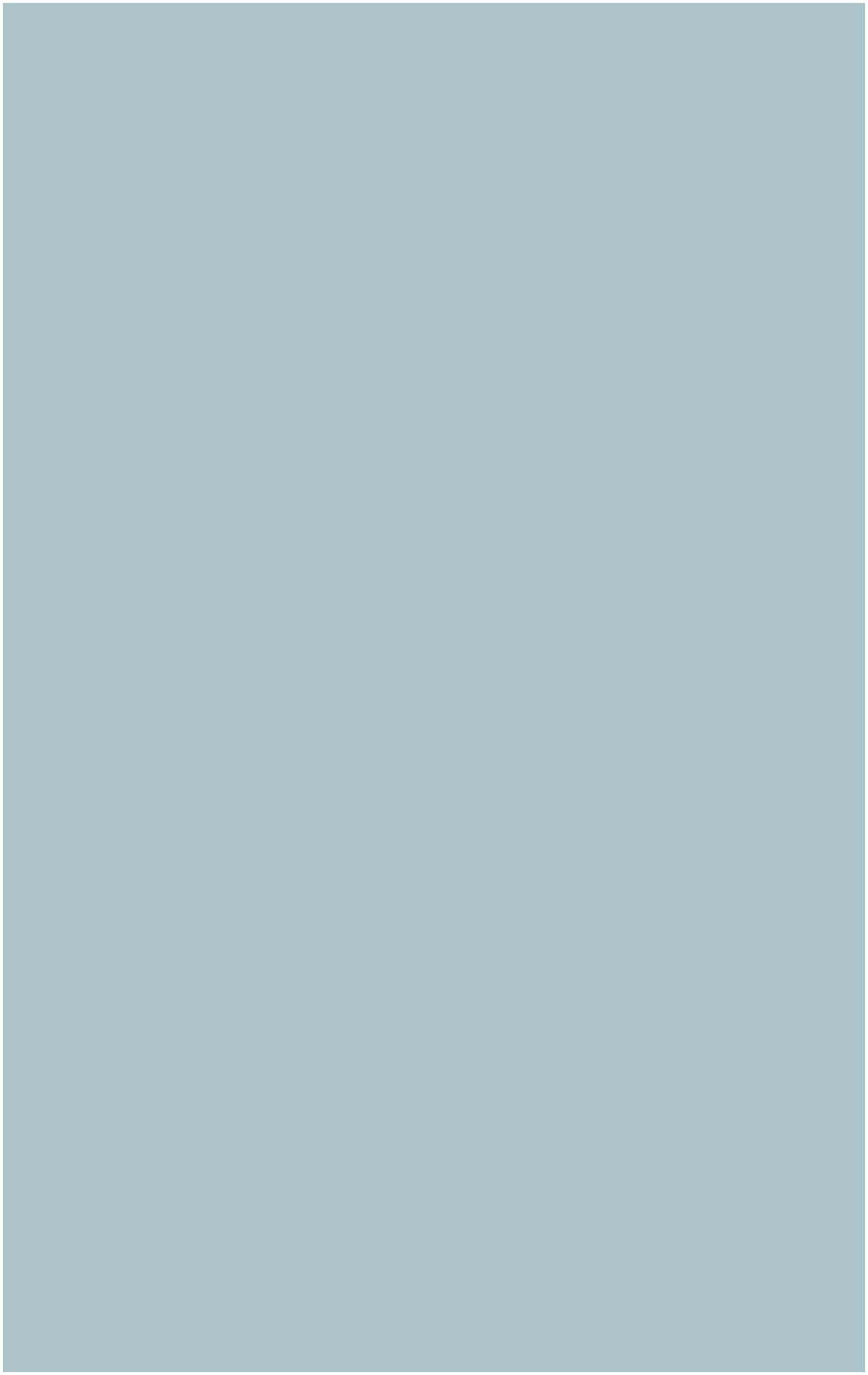


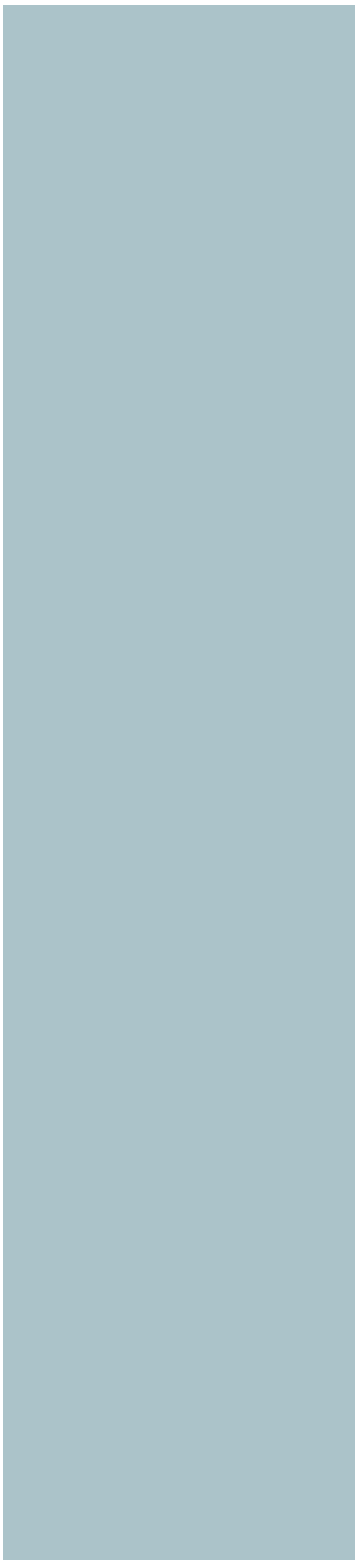


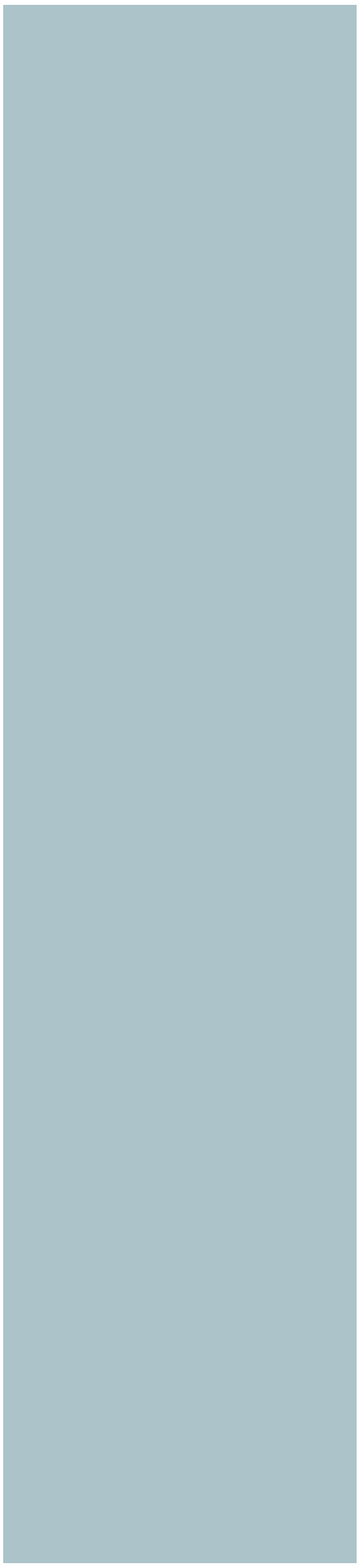


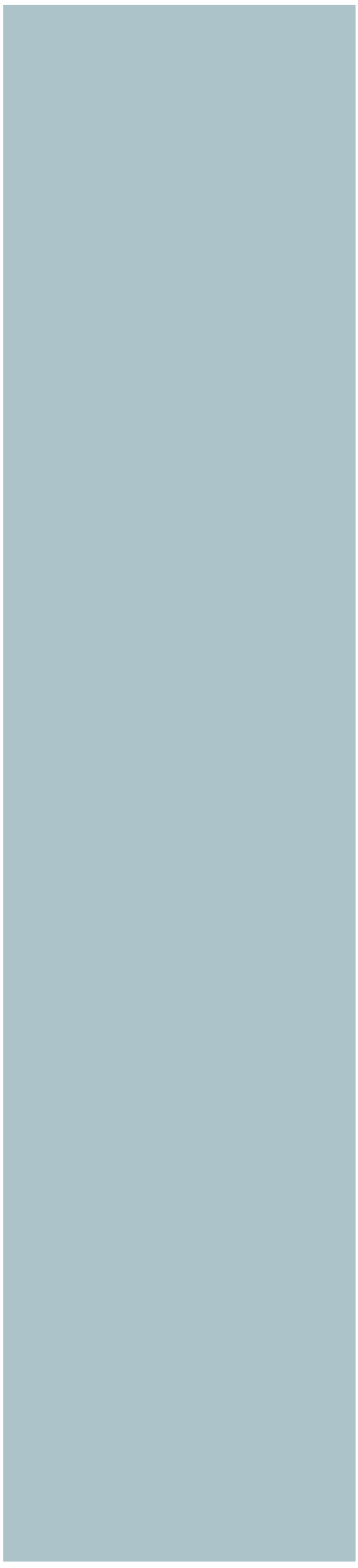


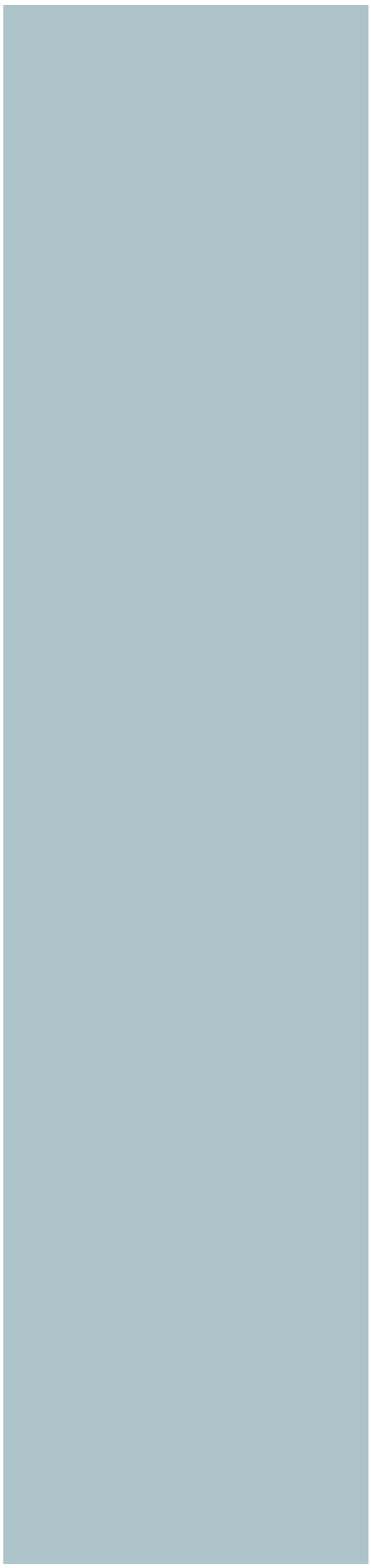












Summary of sites providing area h				
Gain site reference	Off-site units baseline	Off-site units retained	Off-site units enhanced	Off-site unit creation
#VALUE!	0	0	0	0
	0	0	0	0
	0	0	0	0

	0	0	0	0
	0	0	0	0
	0	0	0	0

	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0

abitat unit gains

Off-site unit change per gain site (pre-SRM)	SRM	Off-site unit change per gain site (post-SRM)	Gain site reference
0		0	#VALUE!
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
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0	1	0	

0	1	0		
0	1	0		
0	1	0		

0	1	0	
0	1	0	
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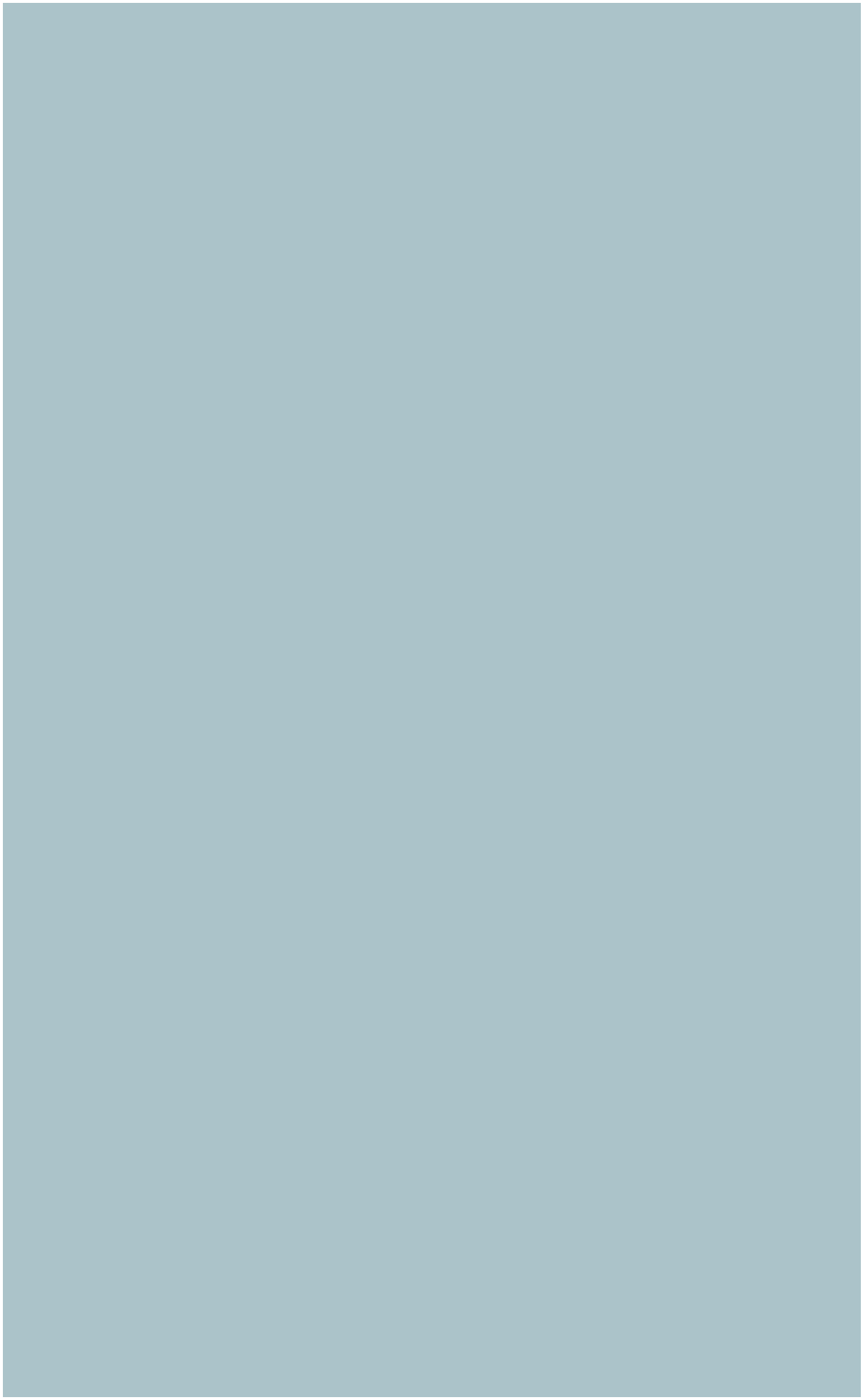
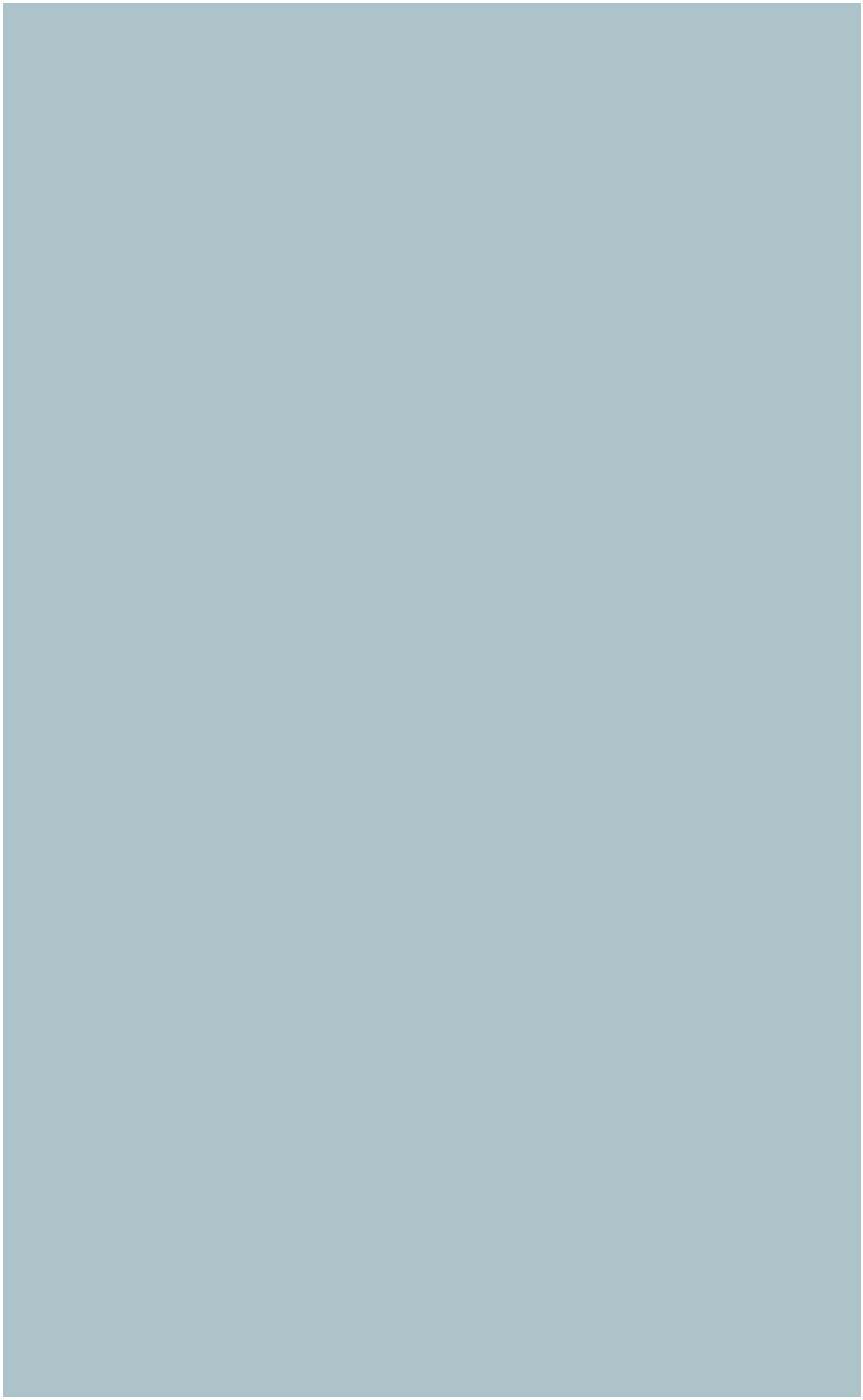
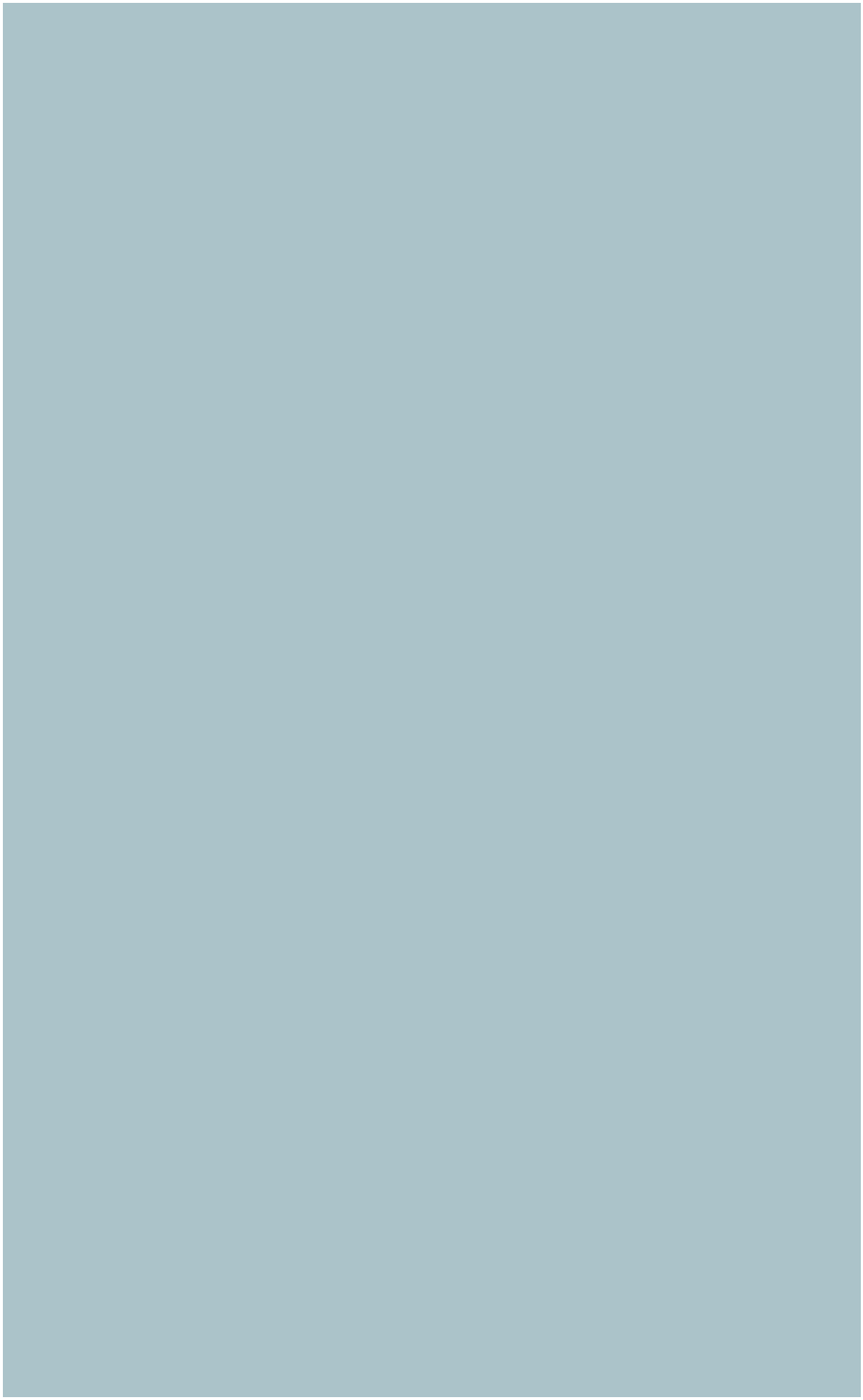
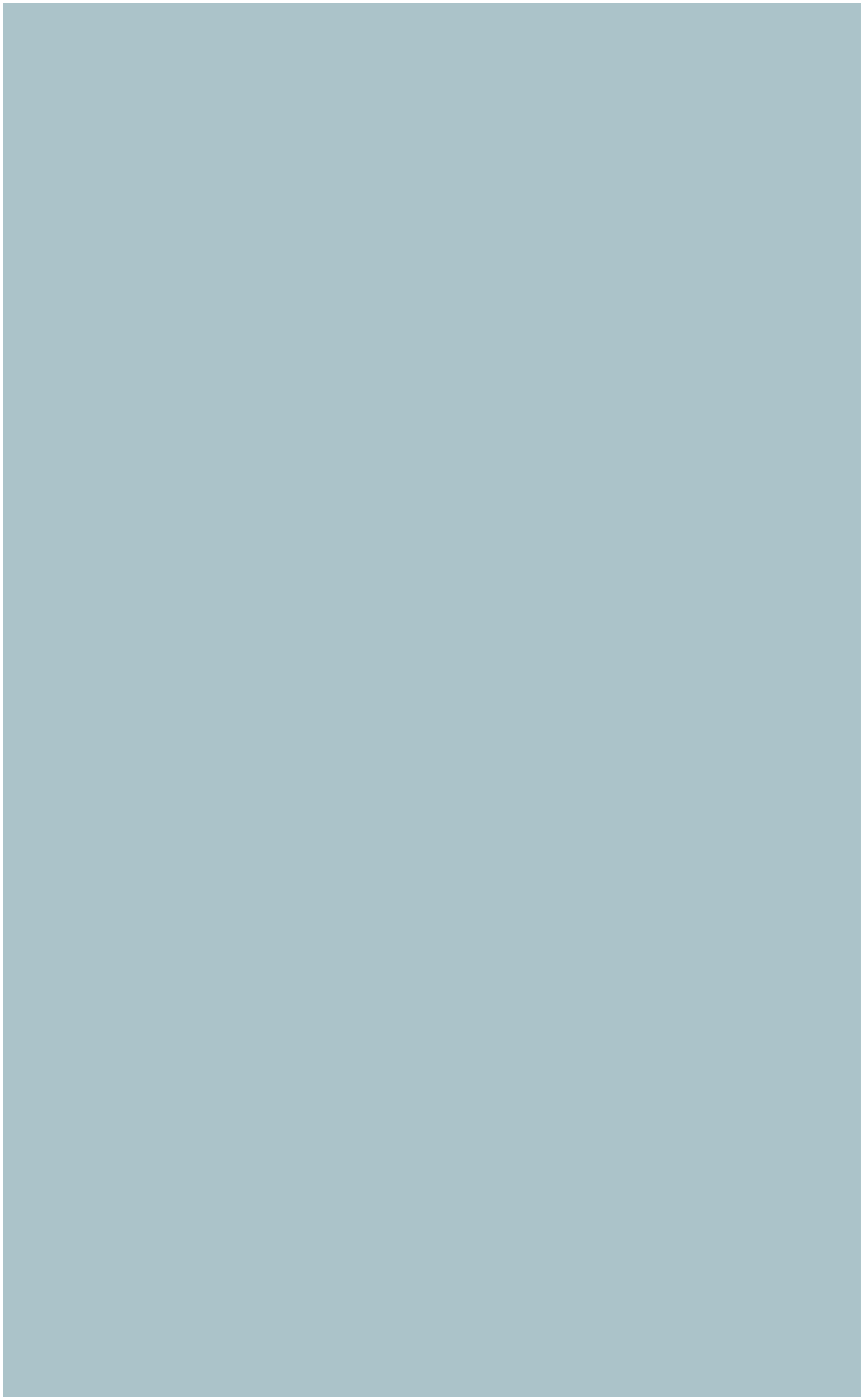
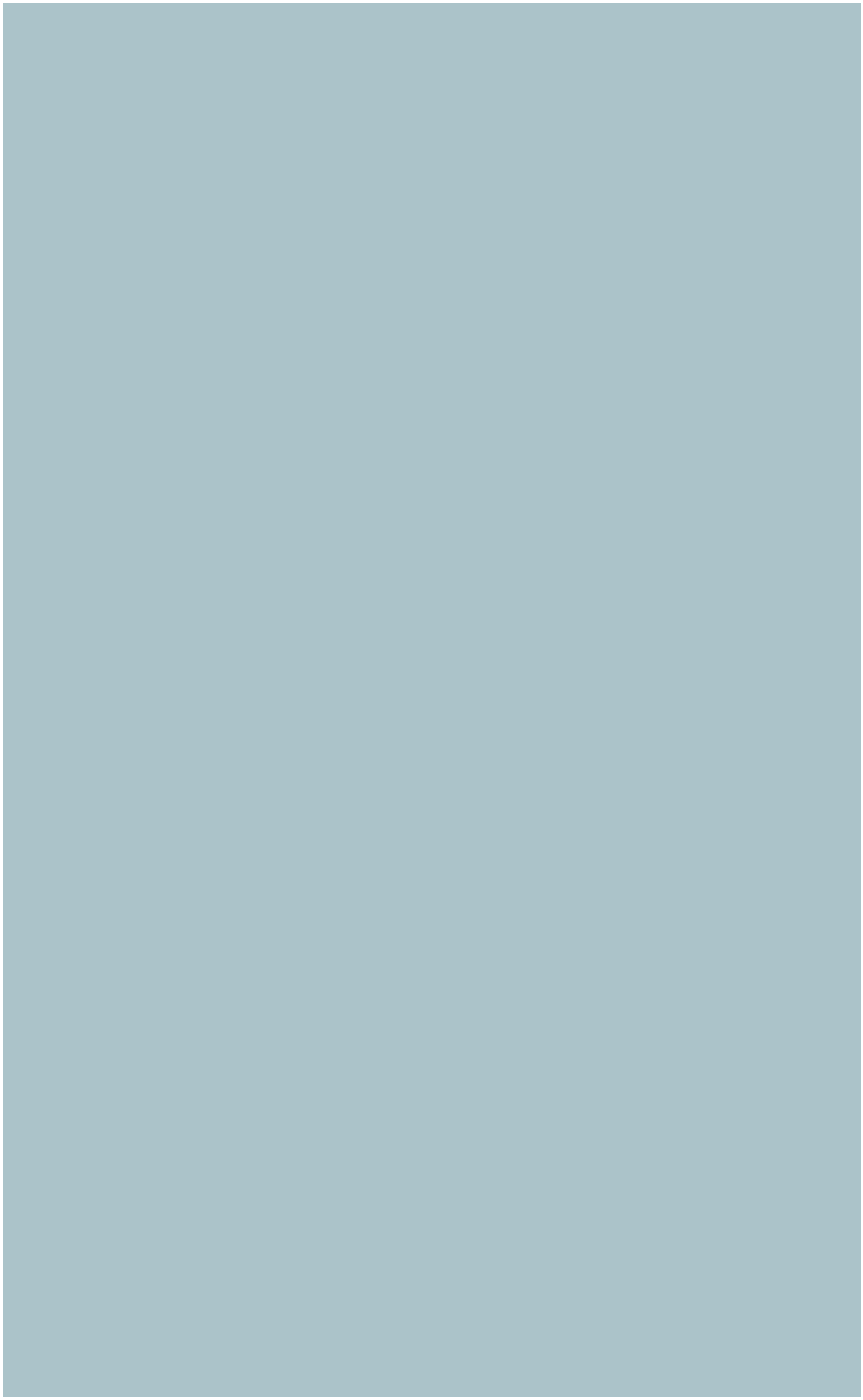
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	
0	1	0	

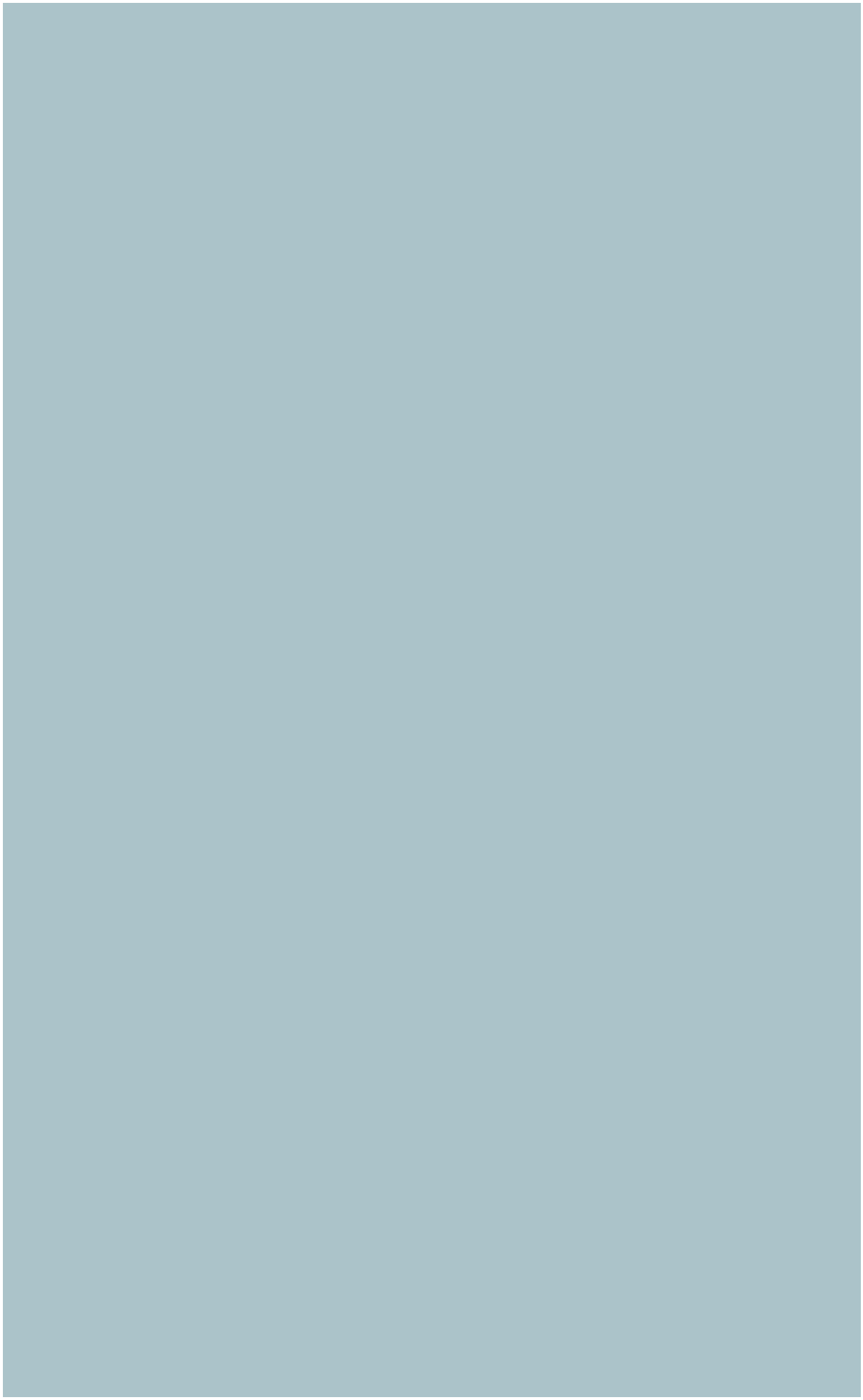


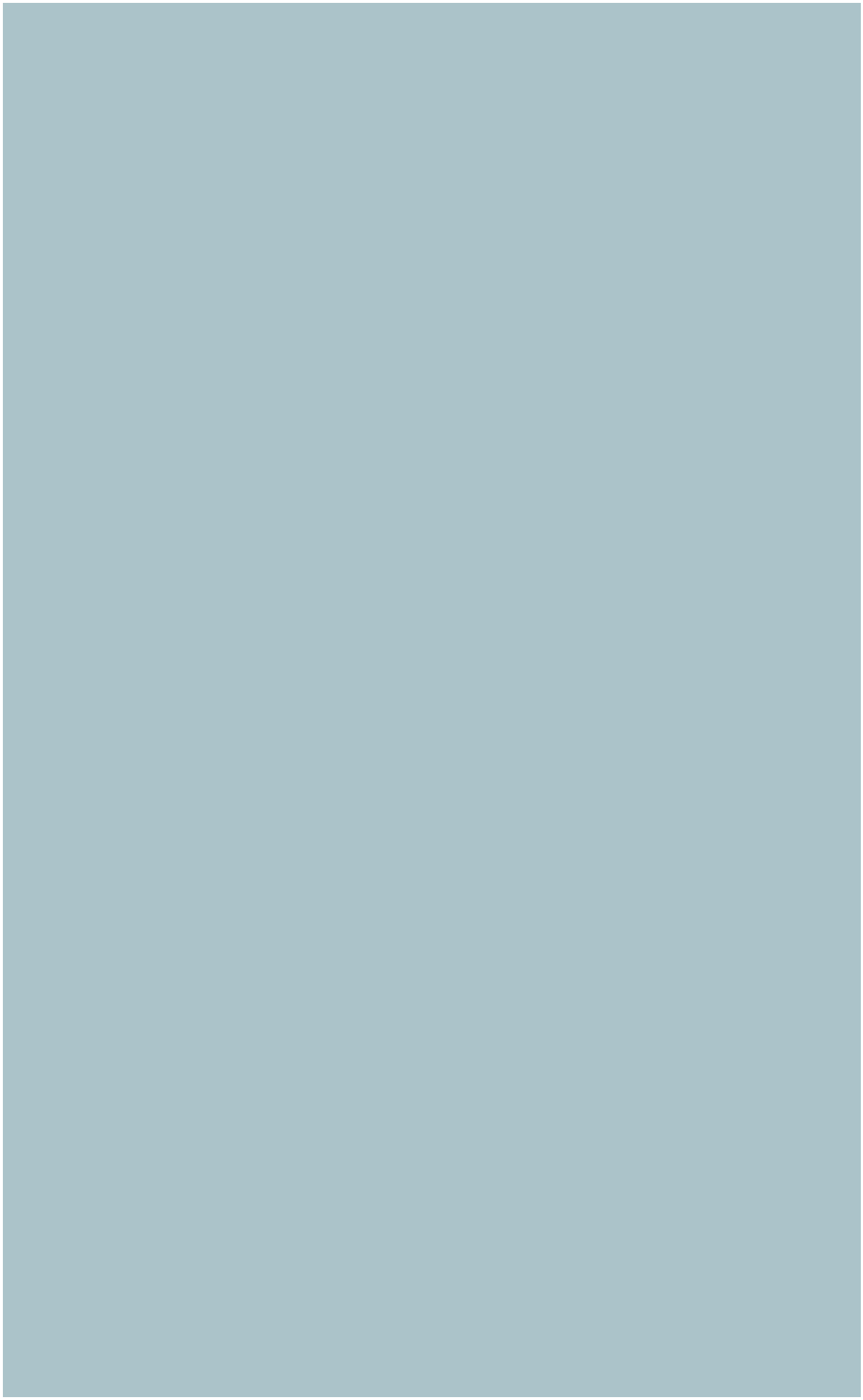


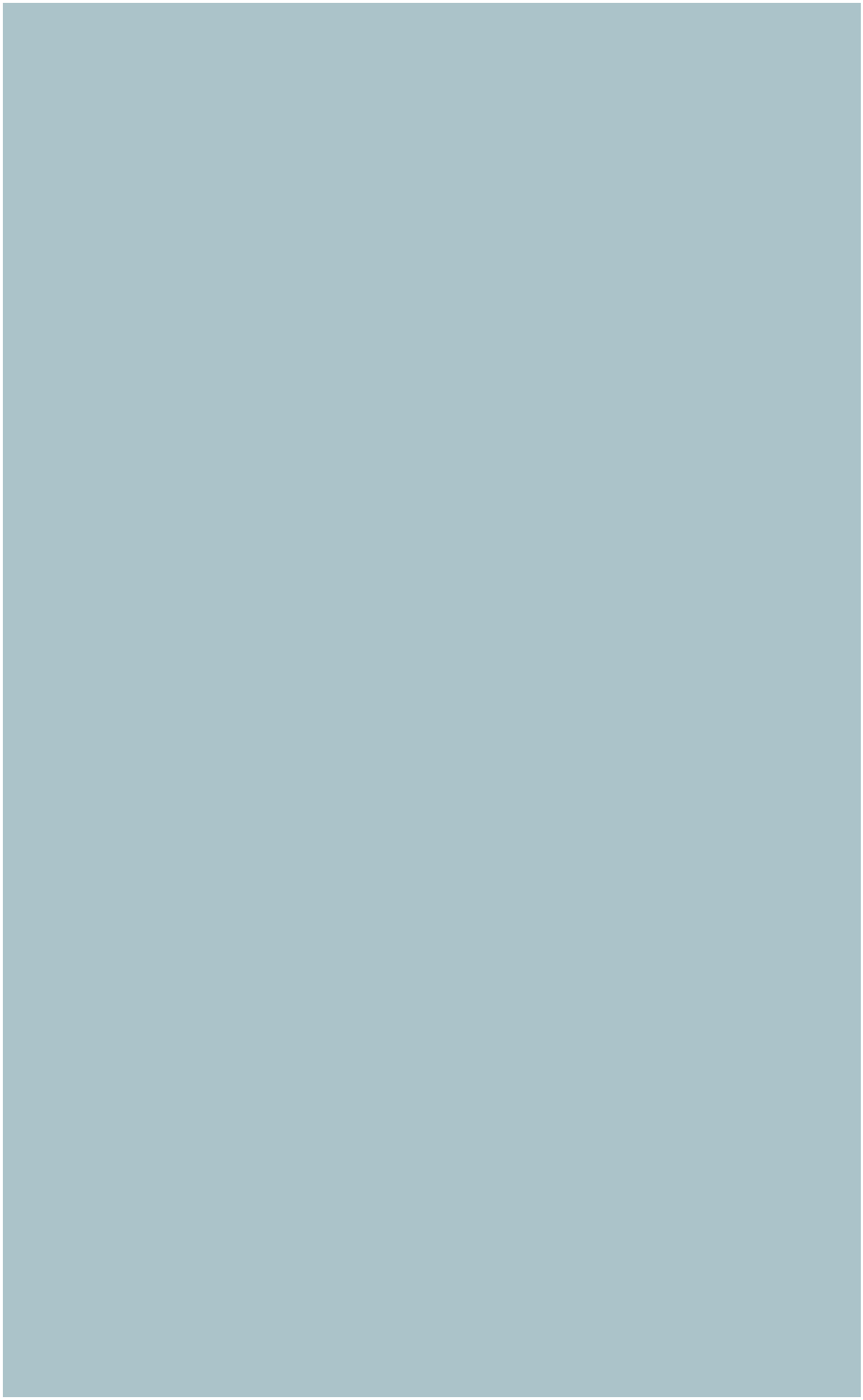


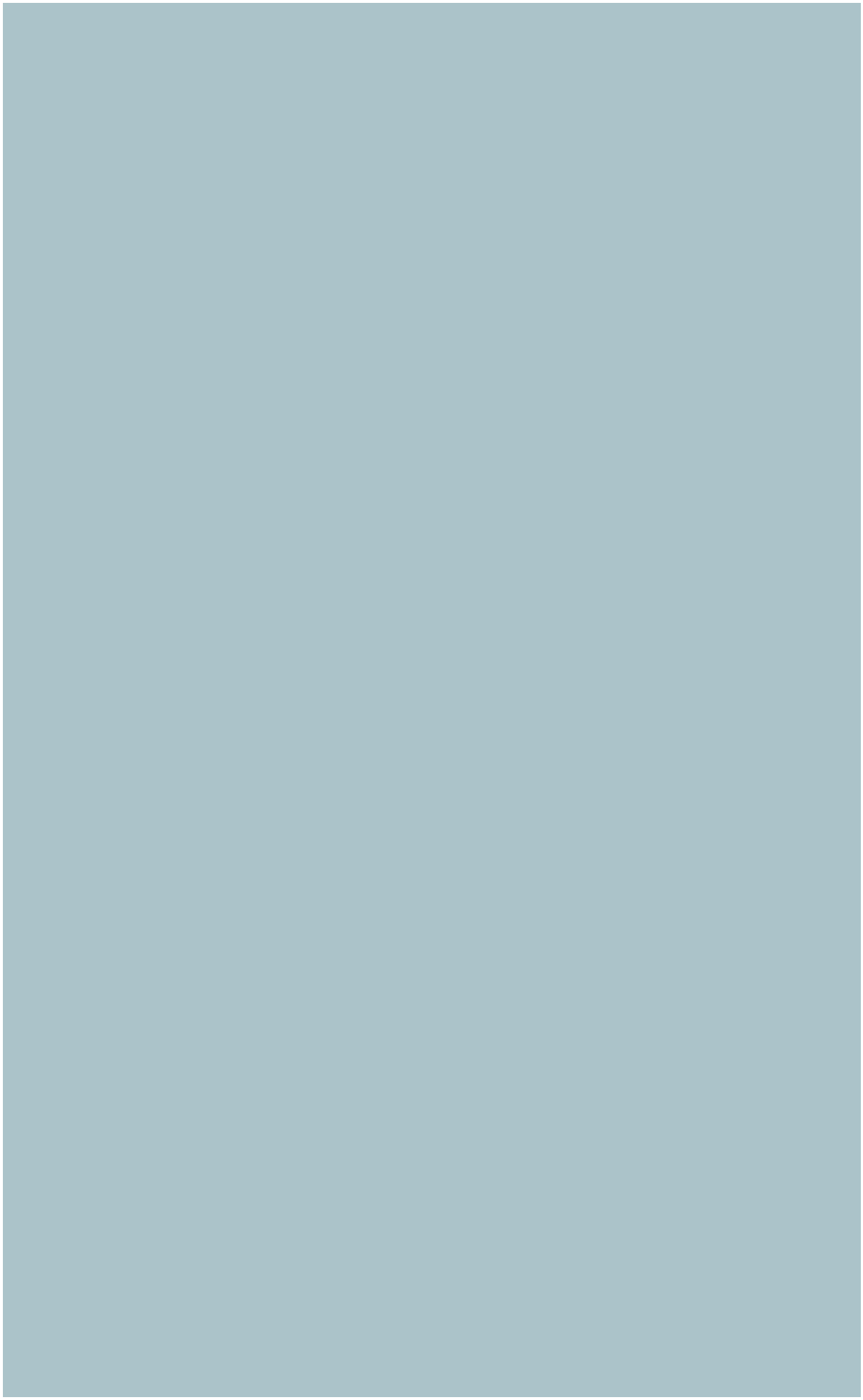


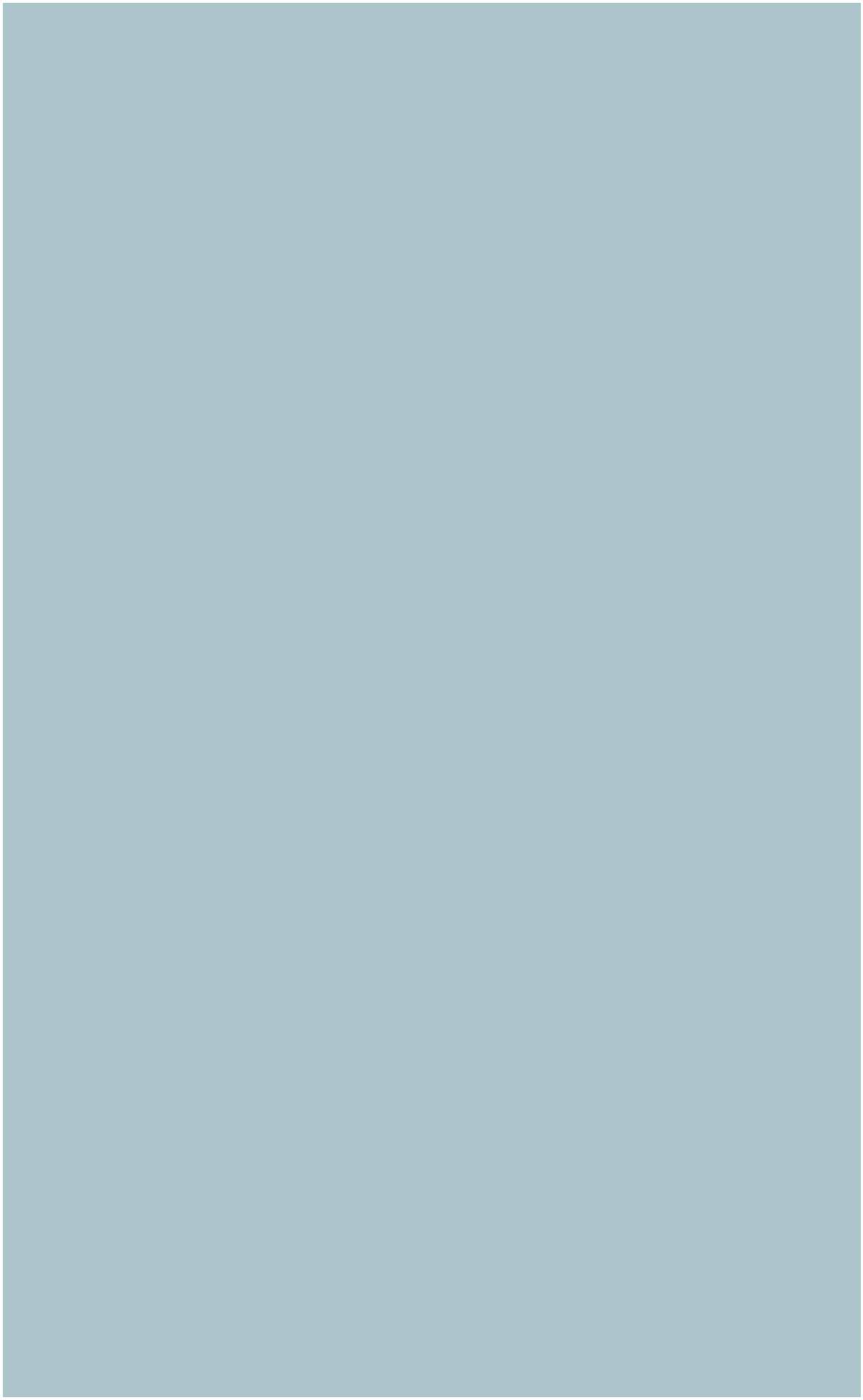


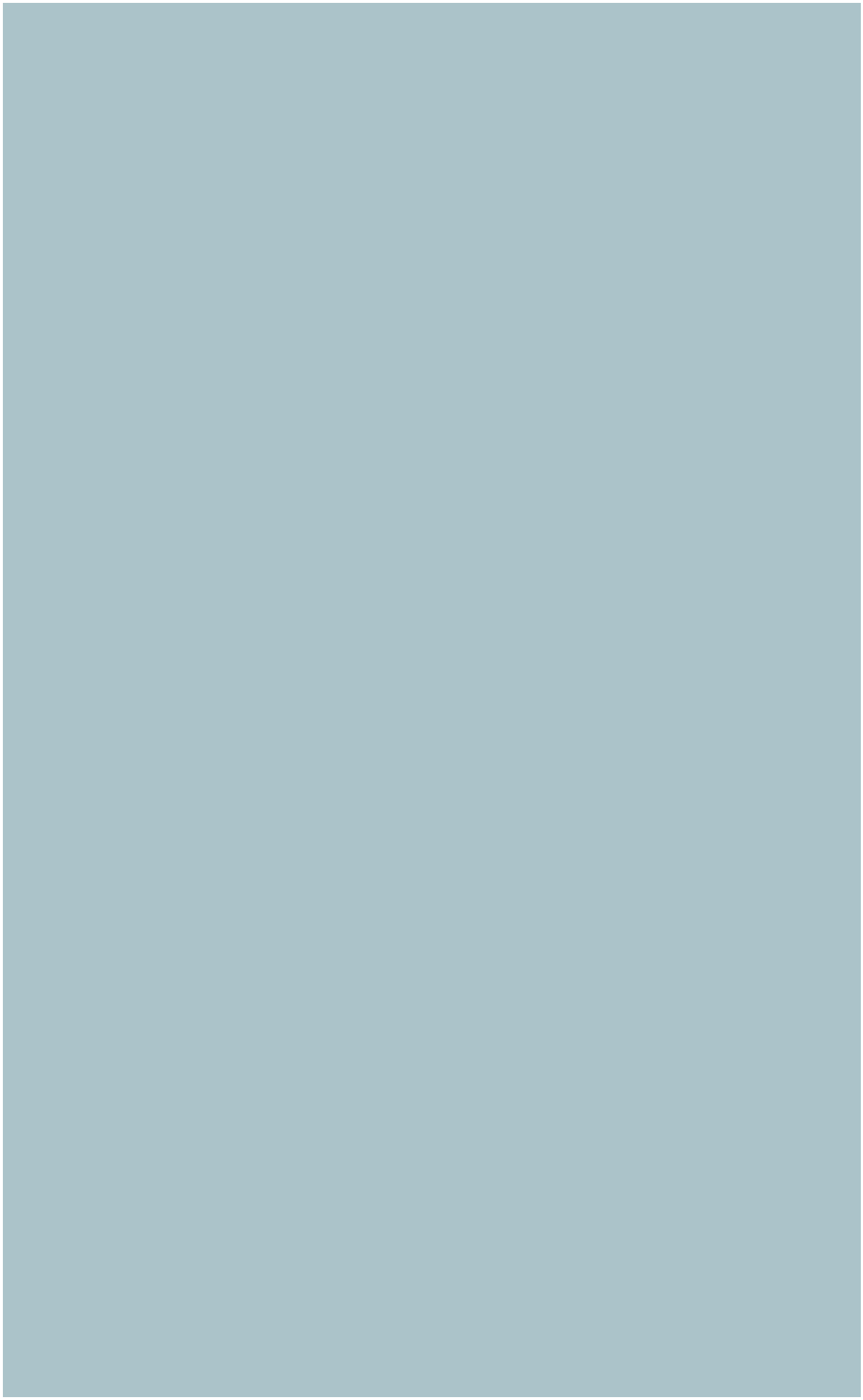


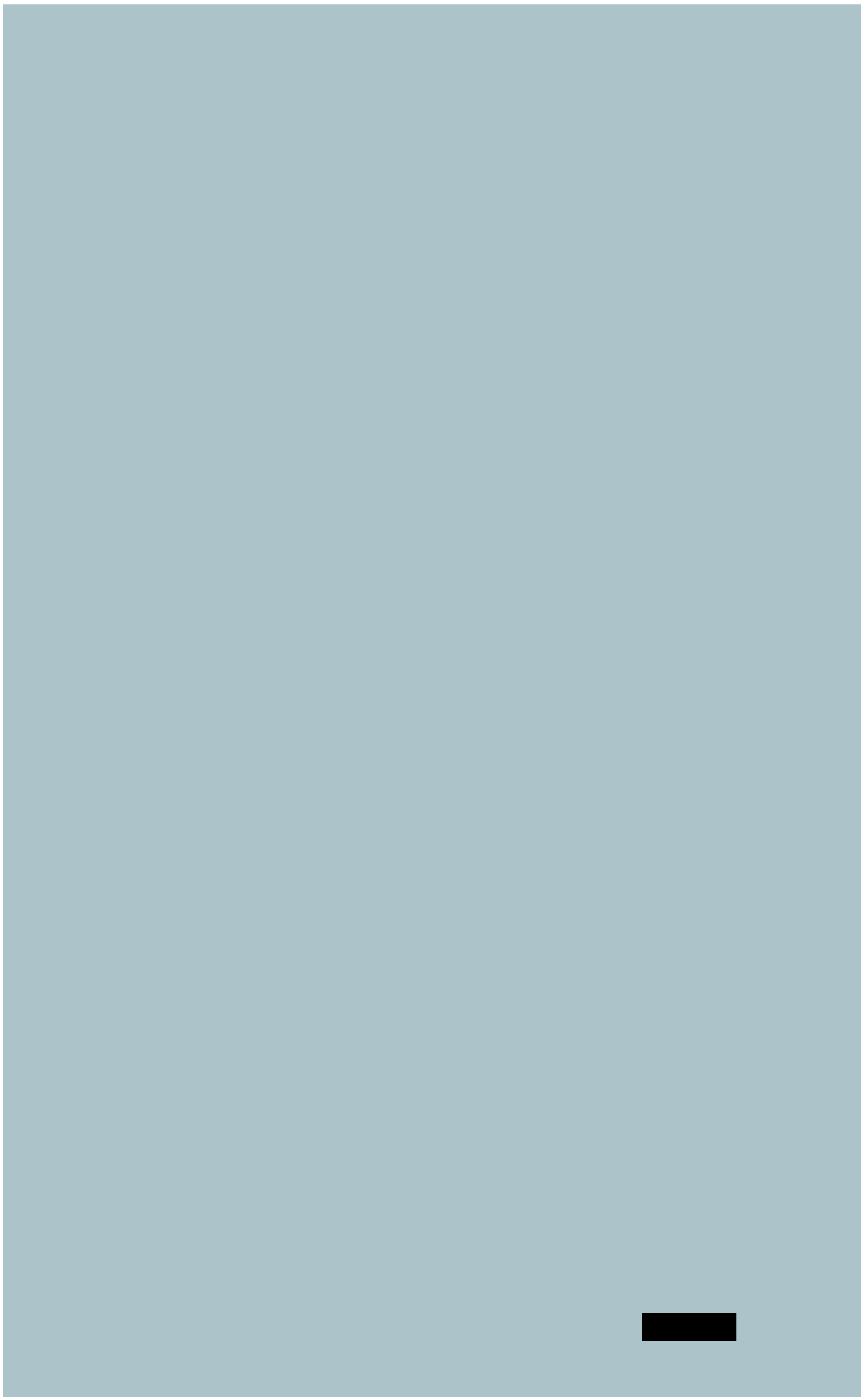












Summary of sites providing hedgerow unit gains

Off-site units baseline	Off-site units retained	Off-site units enhanced	Off-site unit creation	Off-site unit change per gain site (pre-SRM)
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

SRM	Off-site unit change per gain site (post-SRM)
	0
	0
	0

	0			0	0
	0			0	0
	0			0	0

	0
	0
	0
	0
	0
	0
	0
	0
	0

	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
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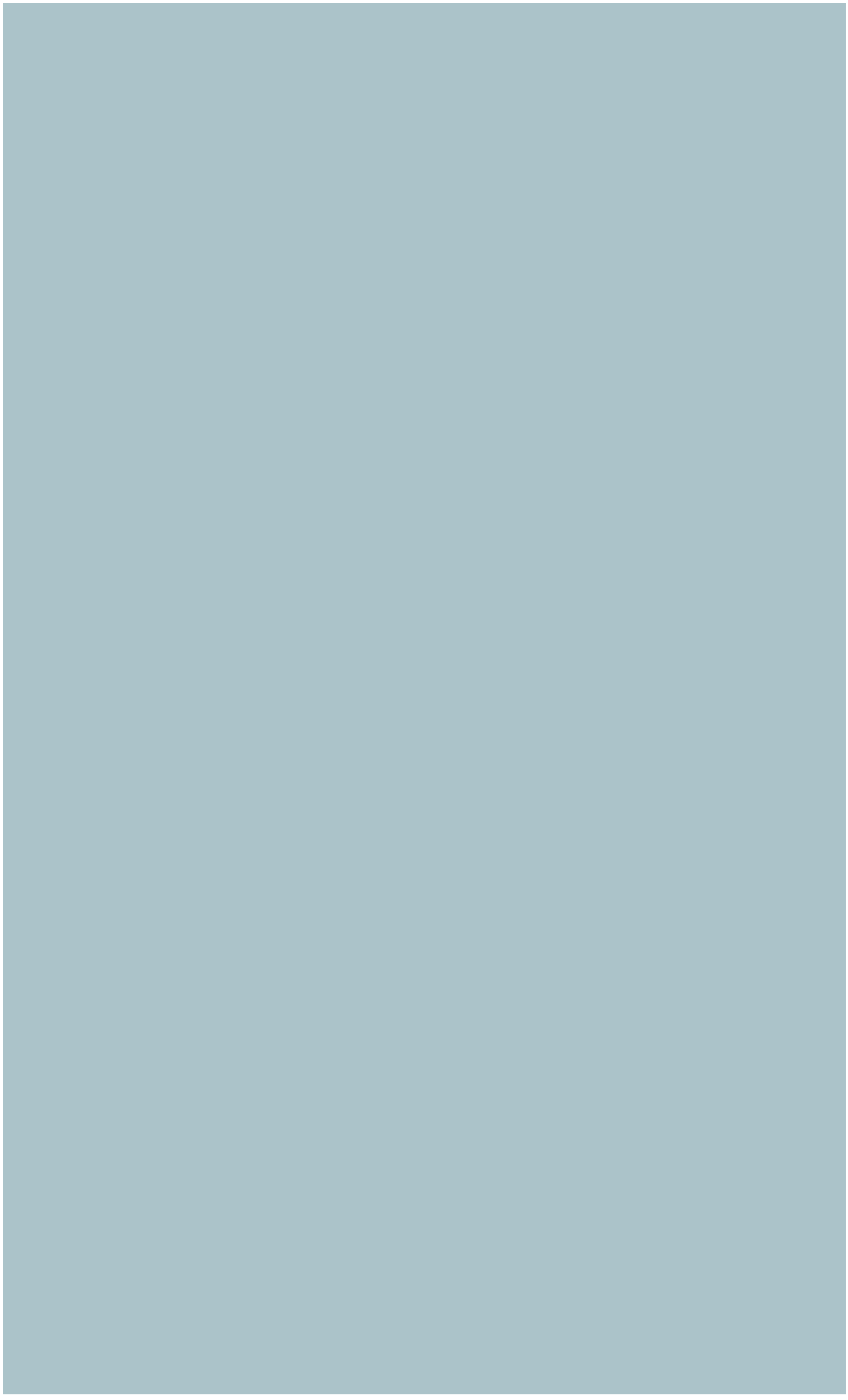
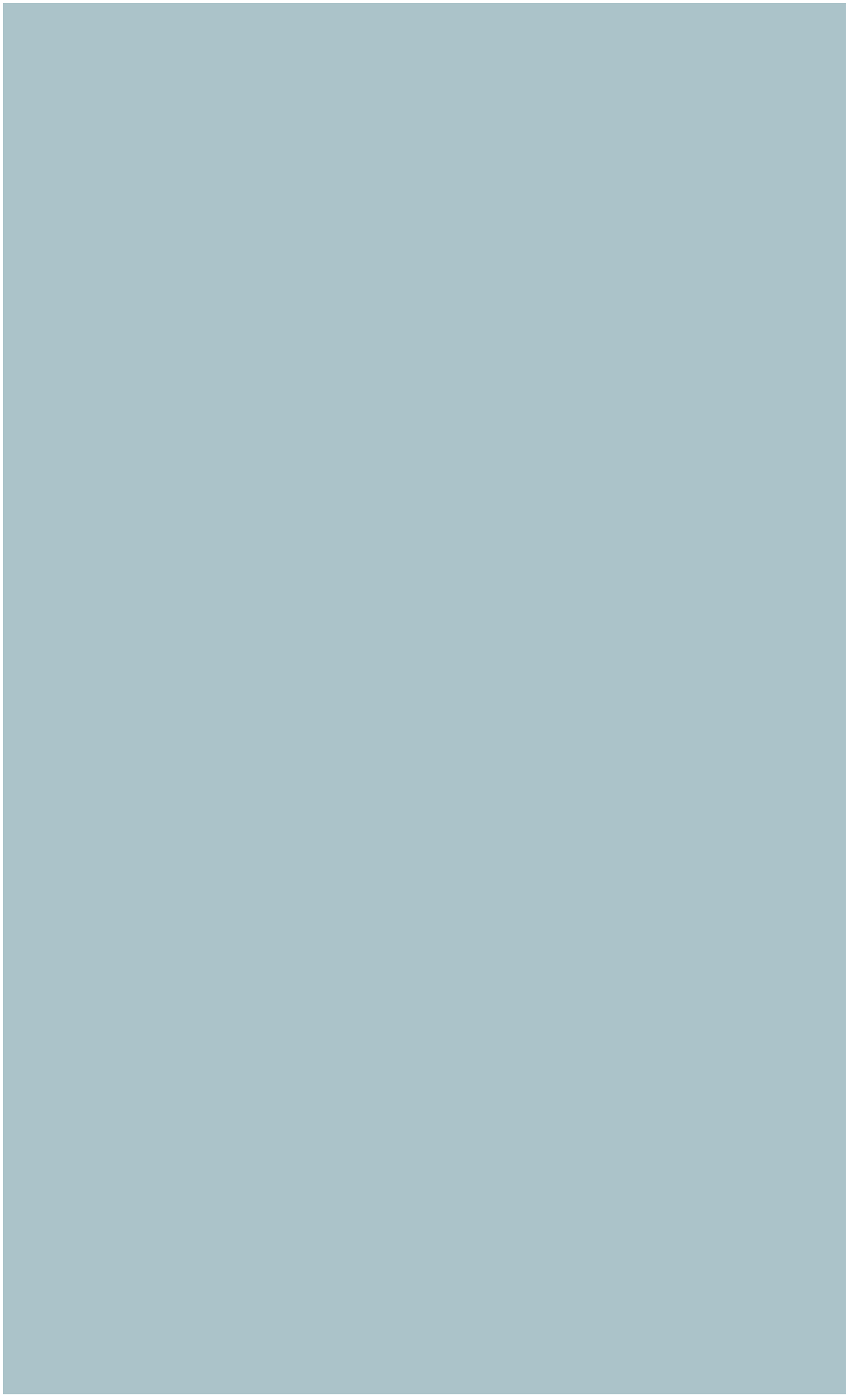
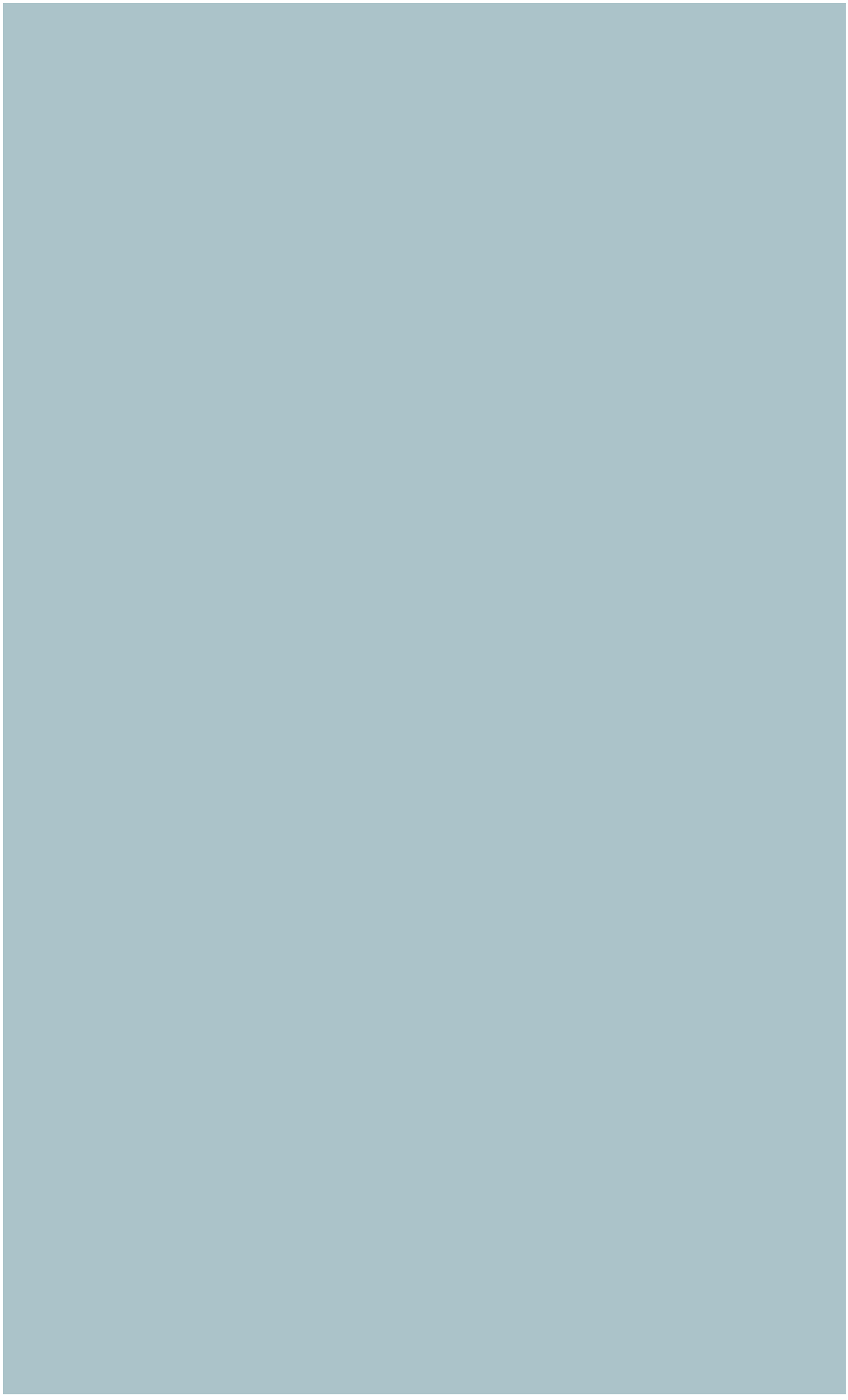
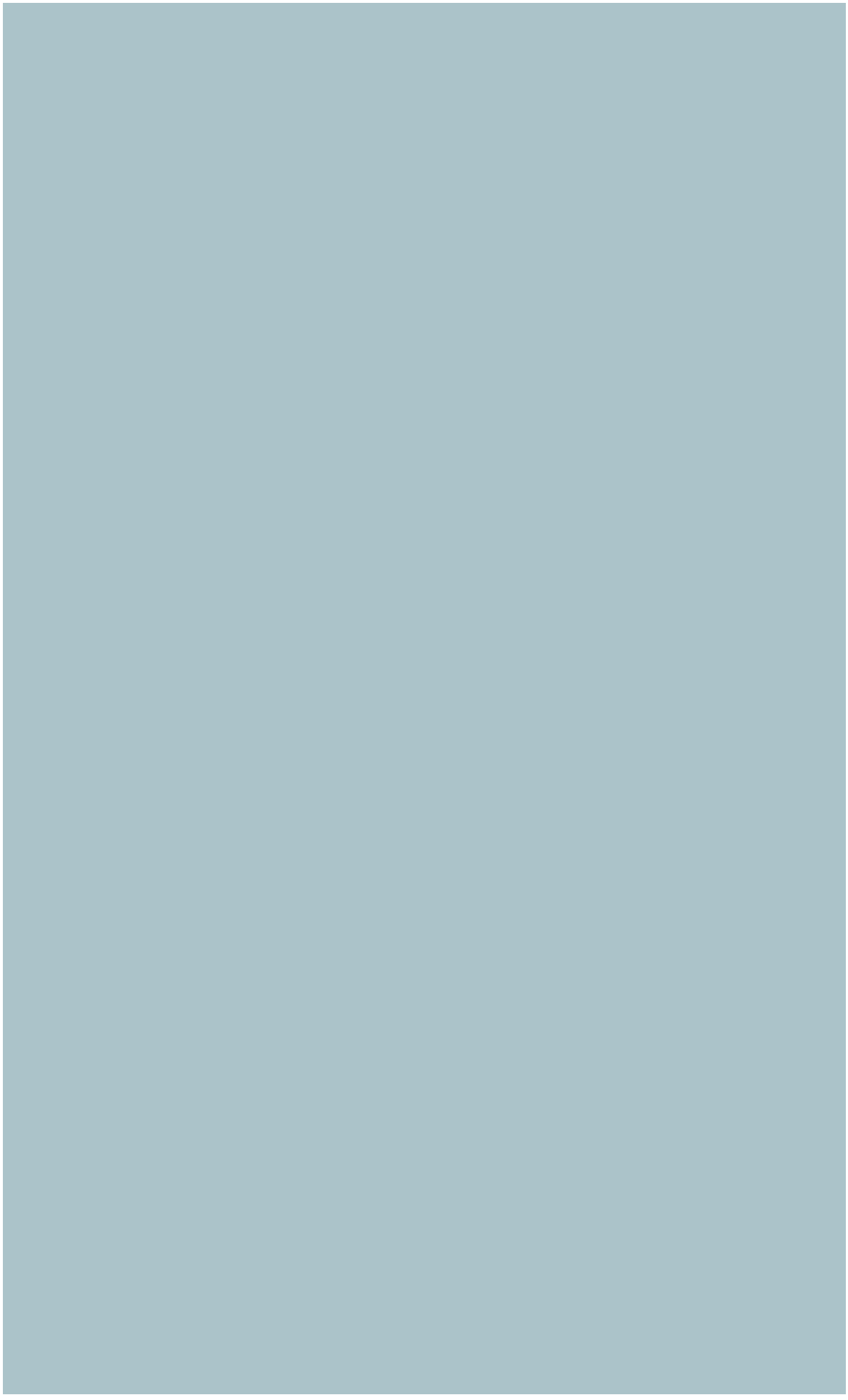
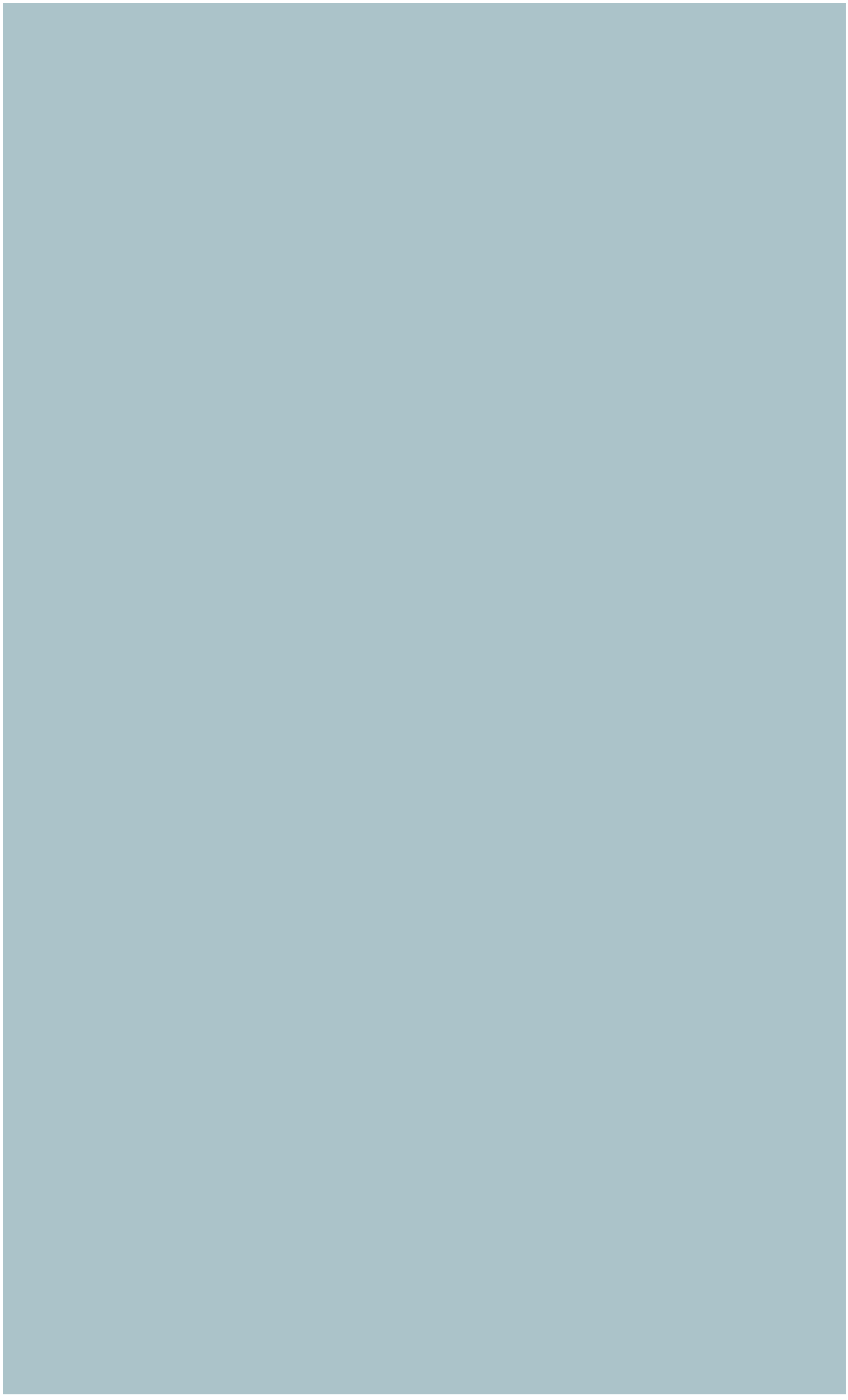
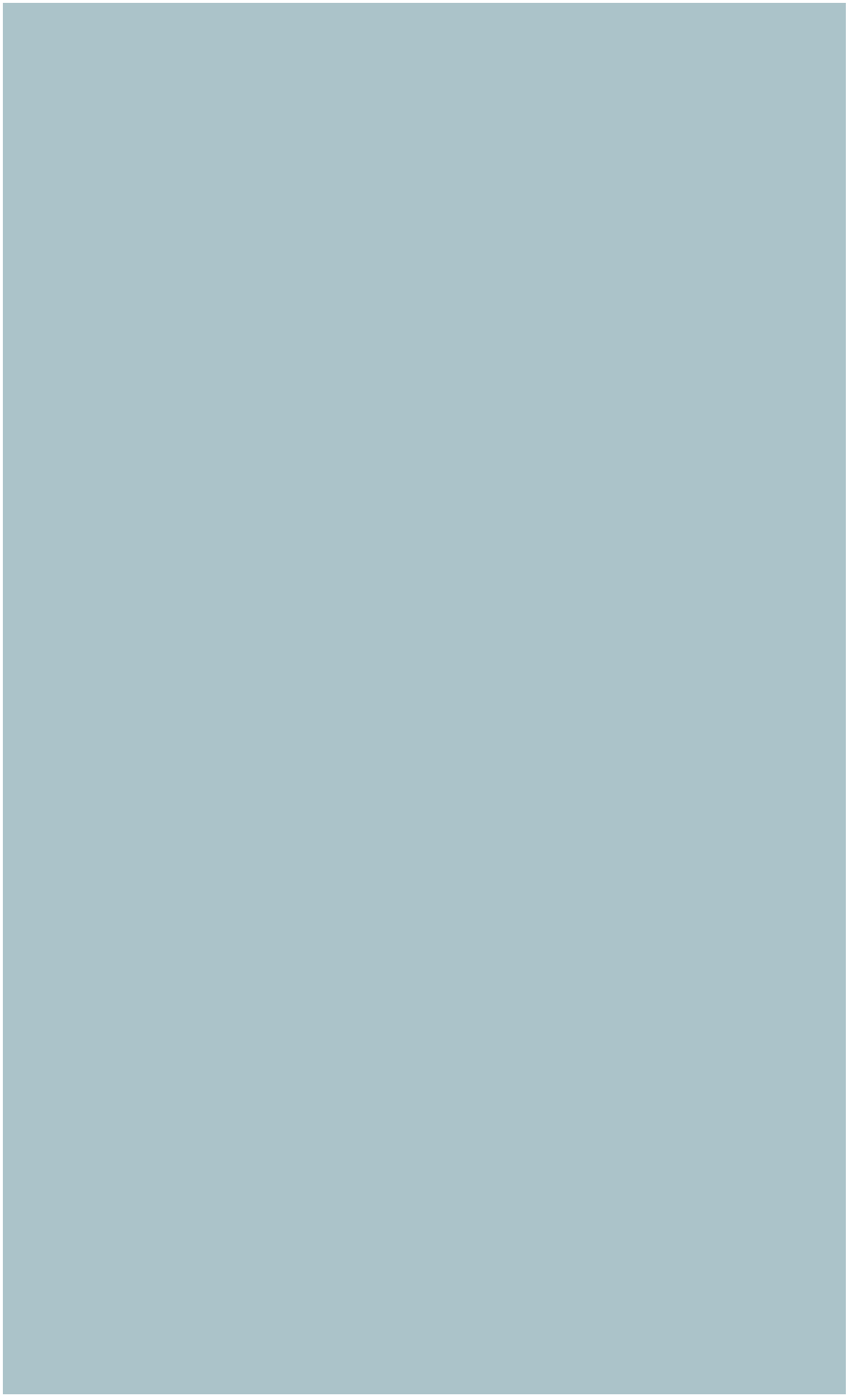


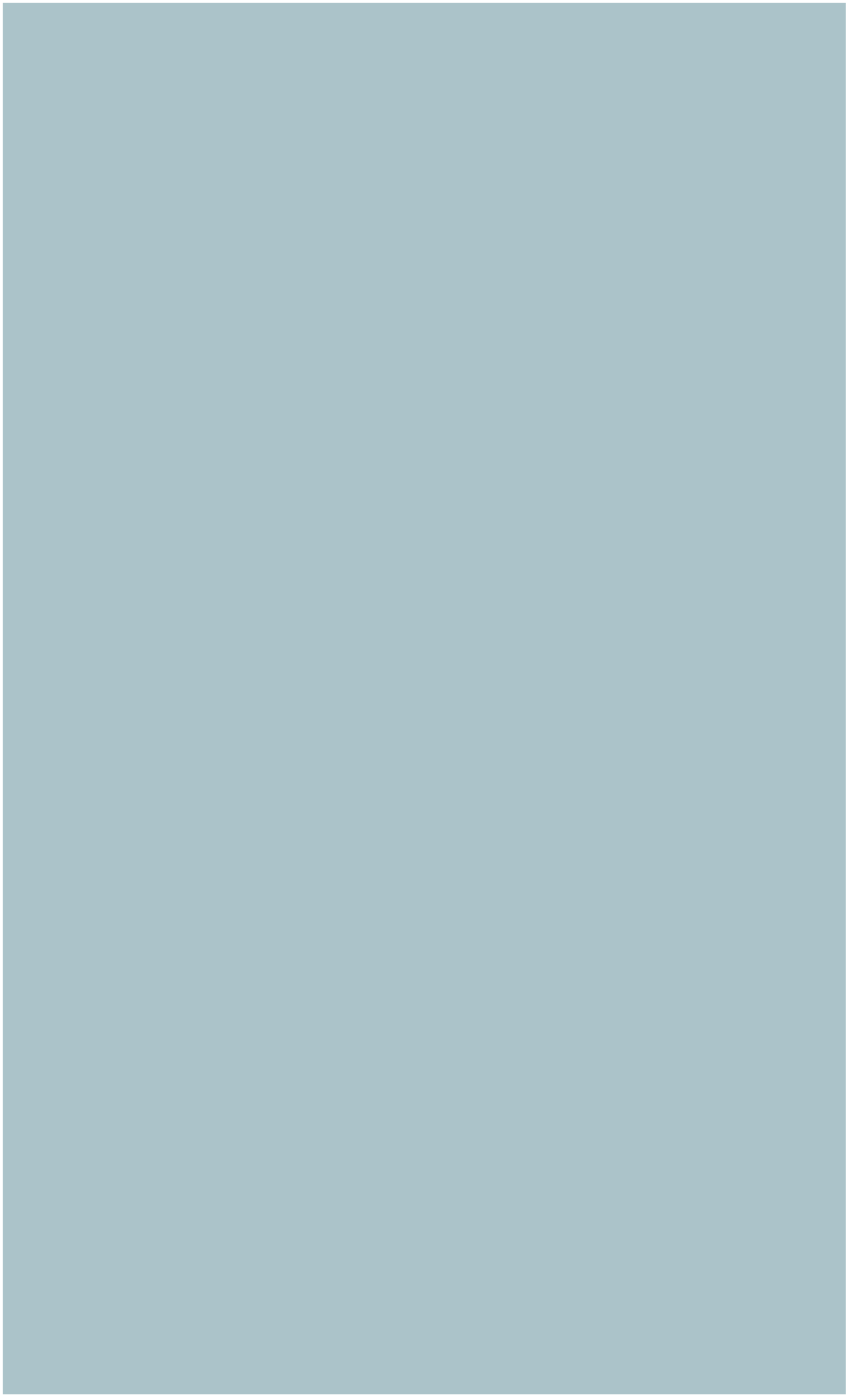


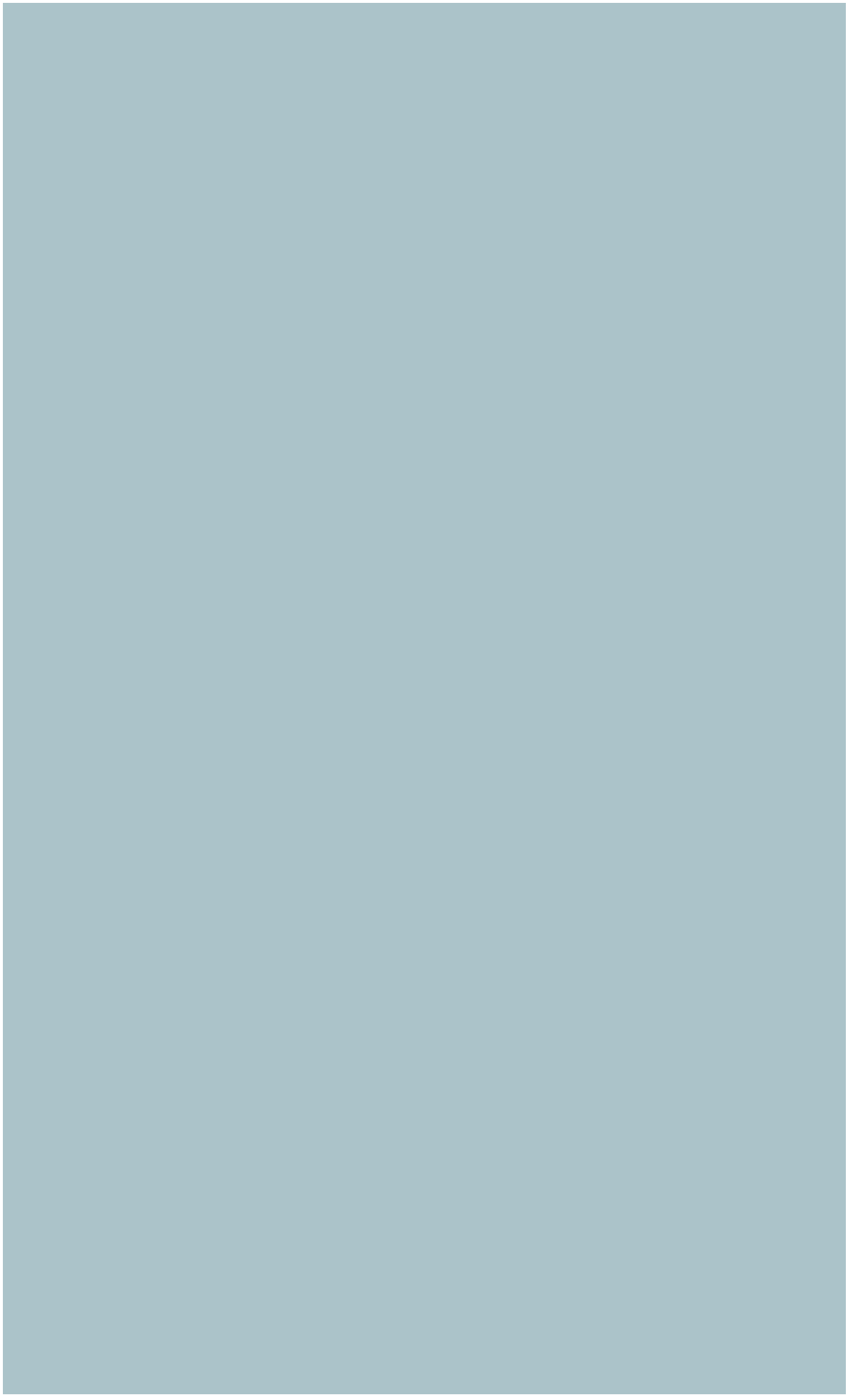


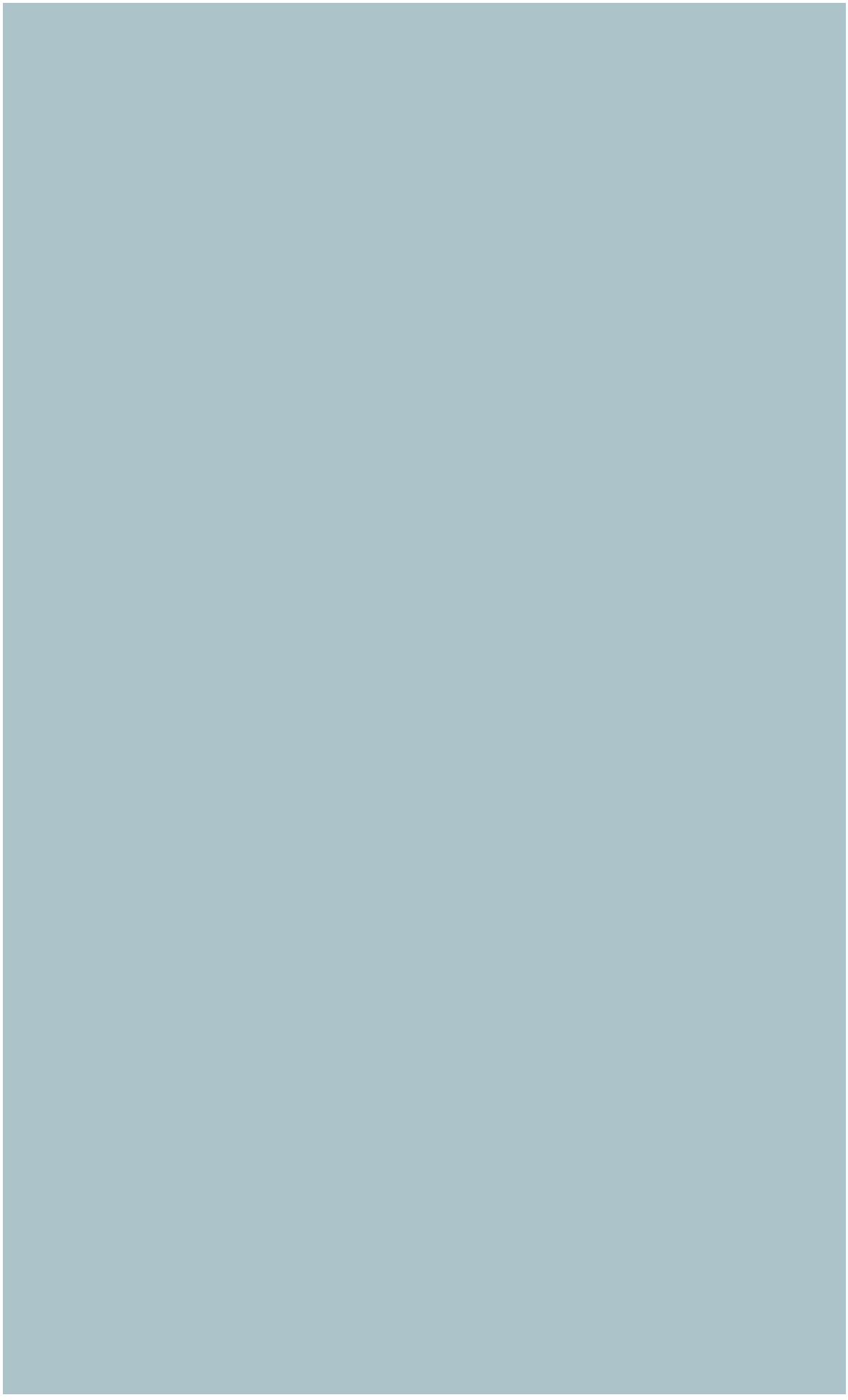


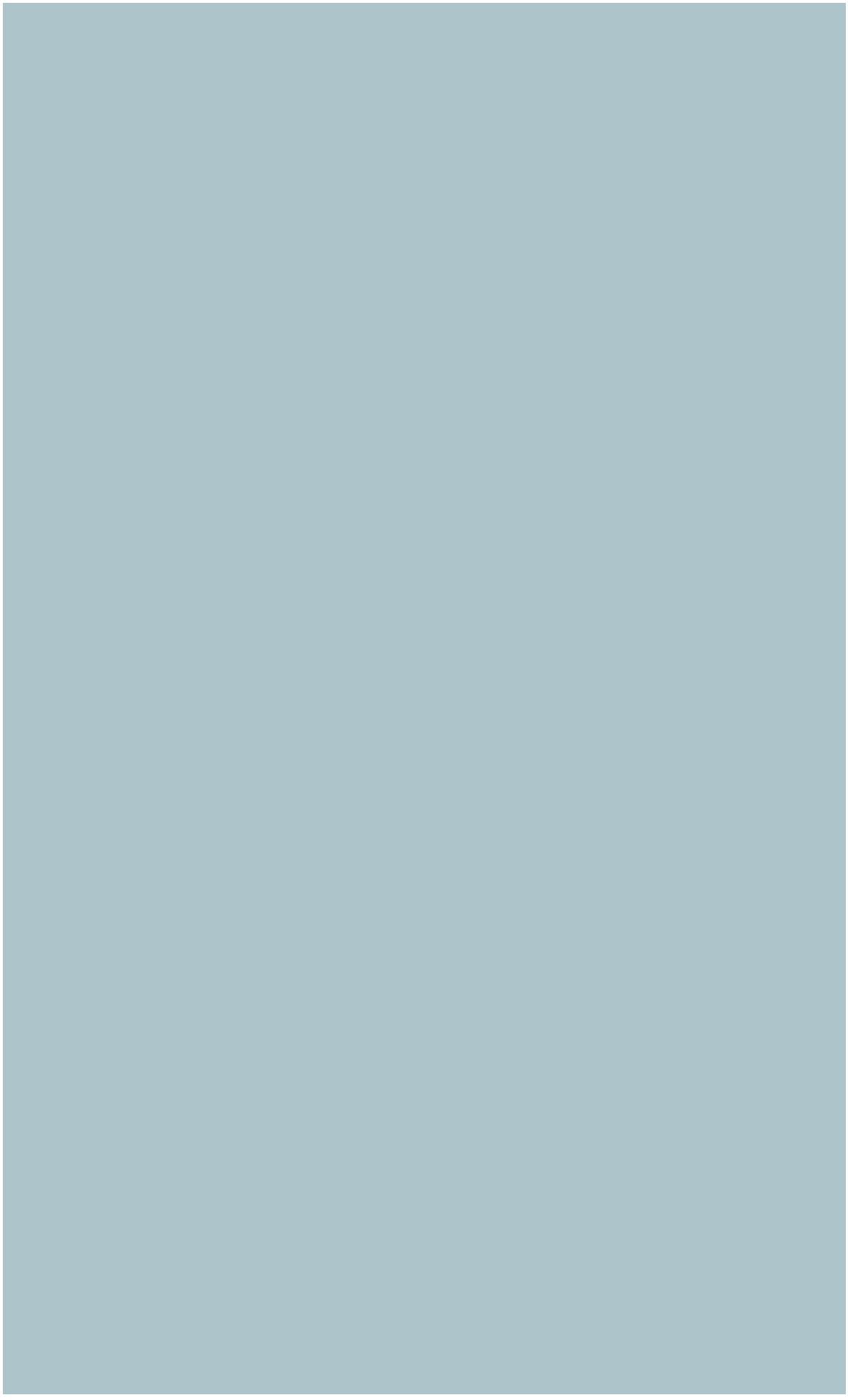


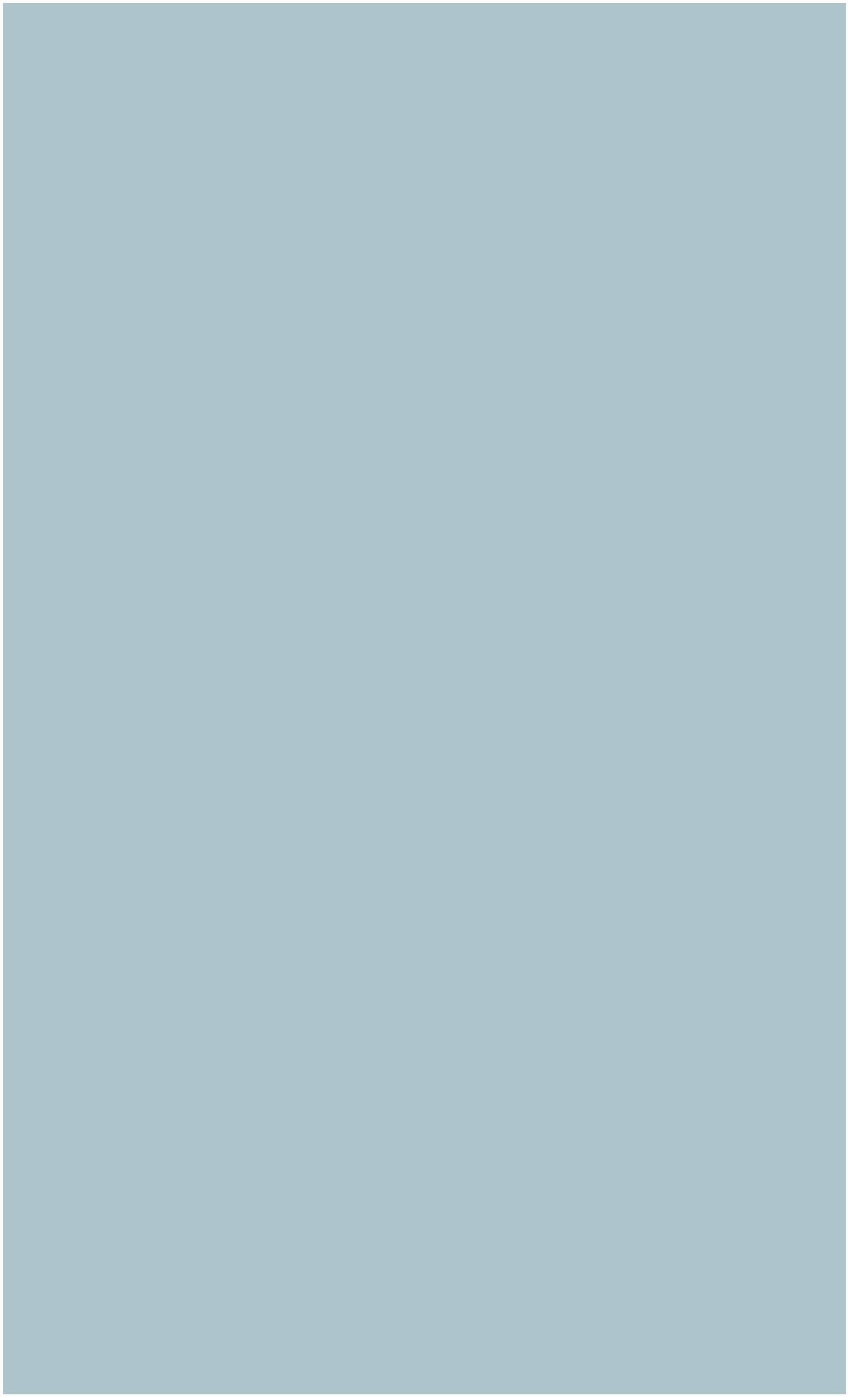


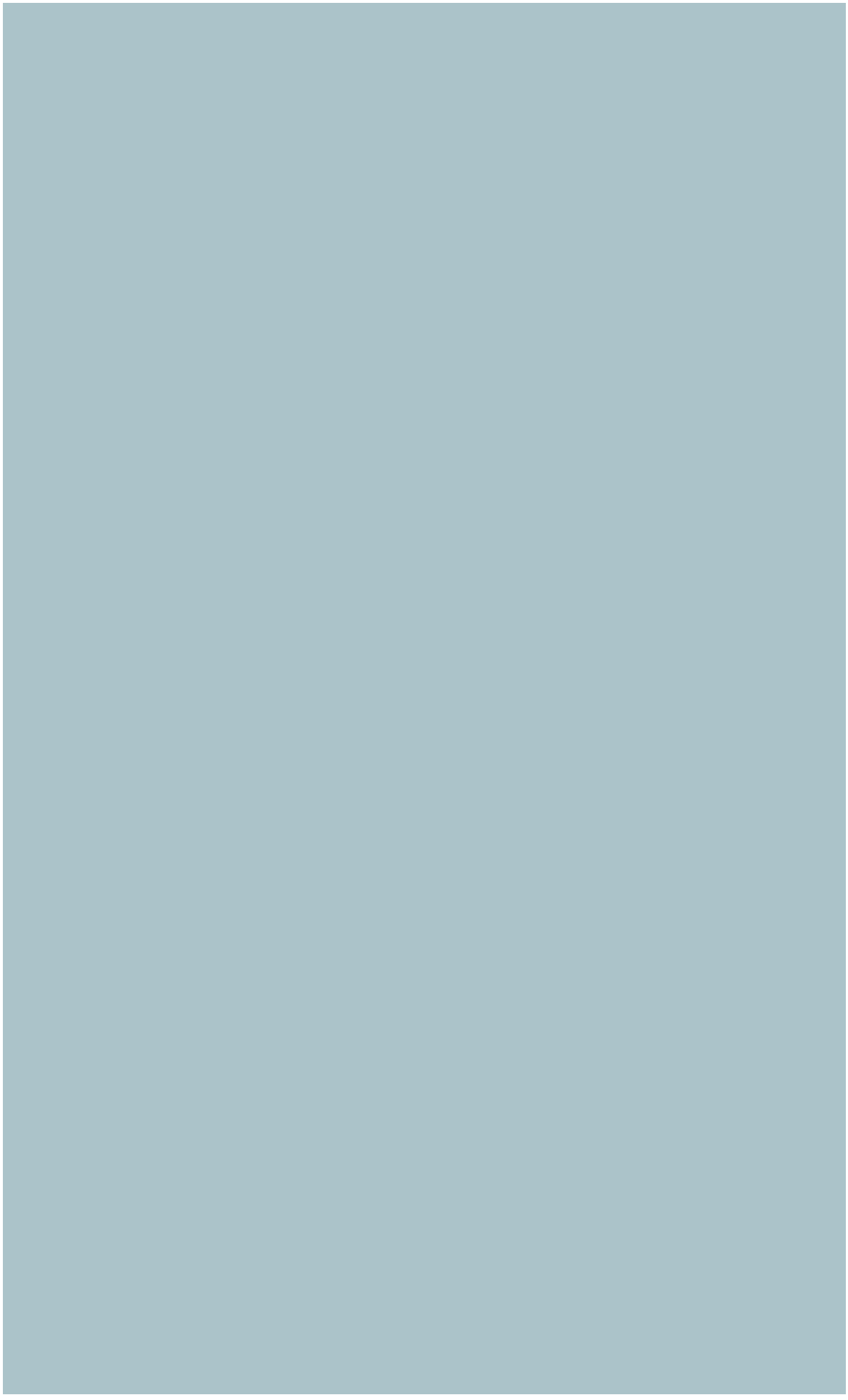










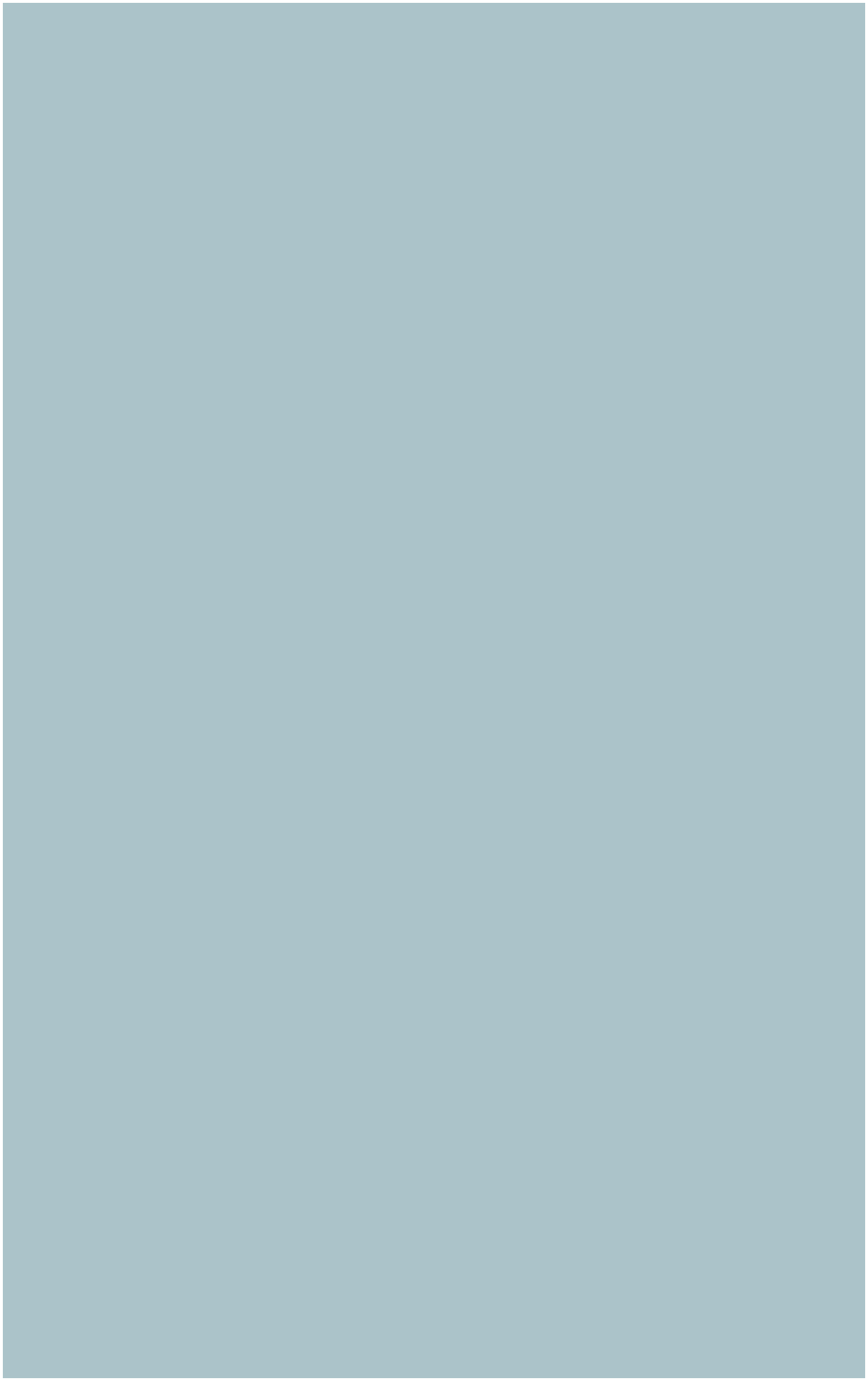


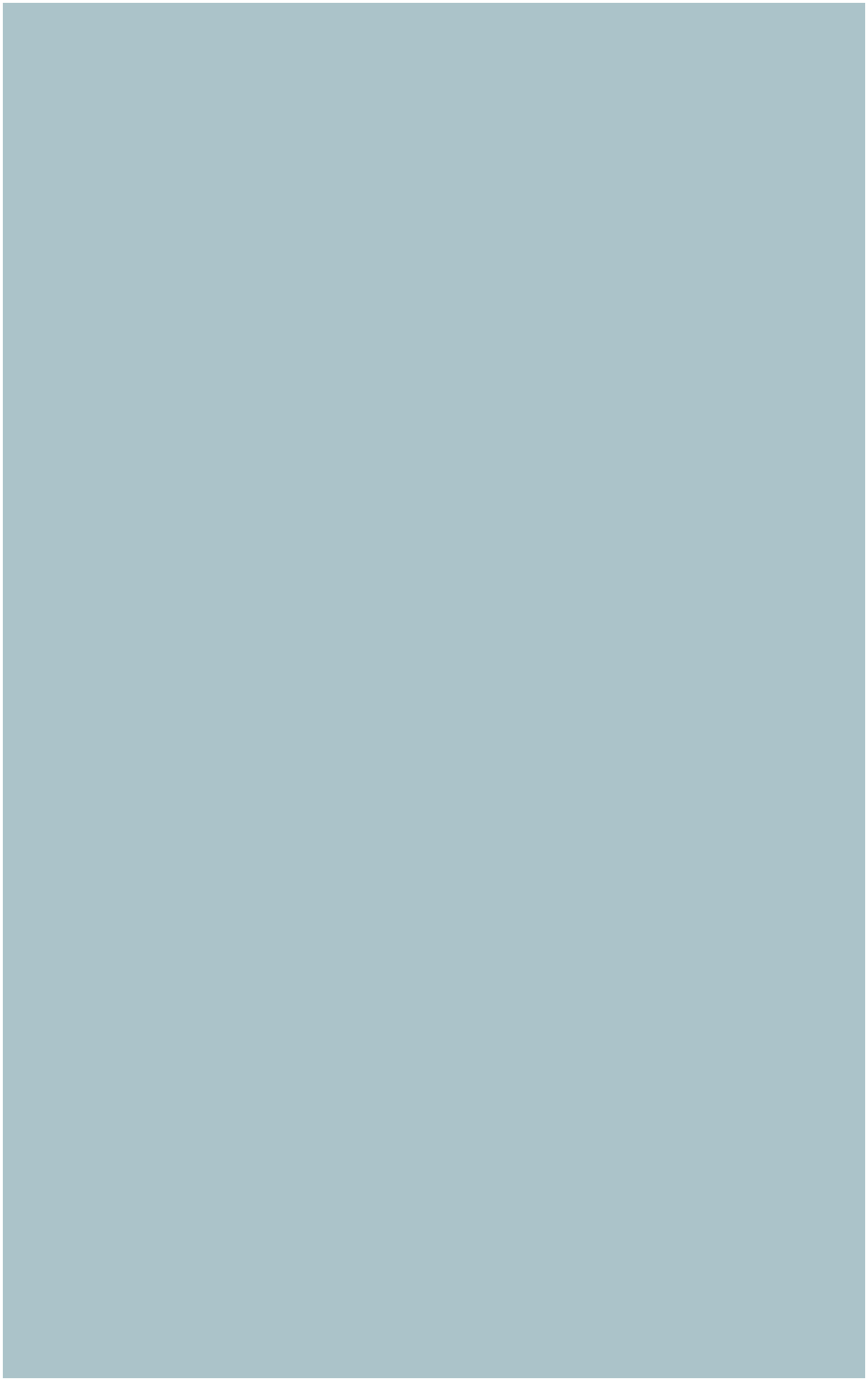
mmary of sites providing watercourse unit gains

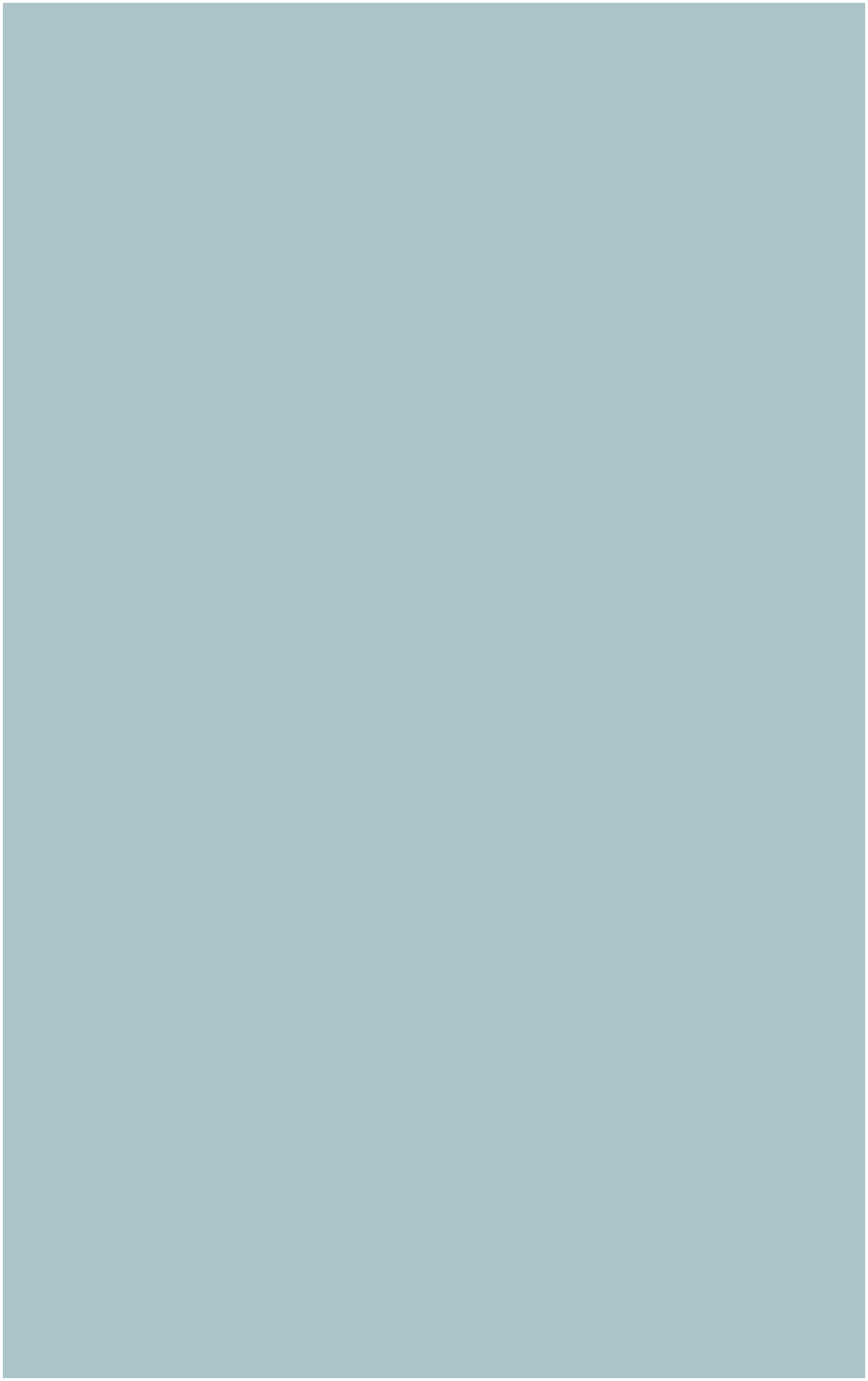
Off-site units enhanced	Off-site units Created	Off-site unit change per gain site (pre-SRM)	SRM	Off-site unit change per gain site (post-SRM)
0	0	0		0
0	0	0		0
0	0	0		0

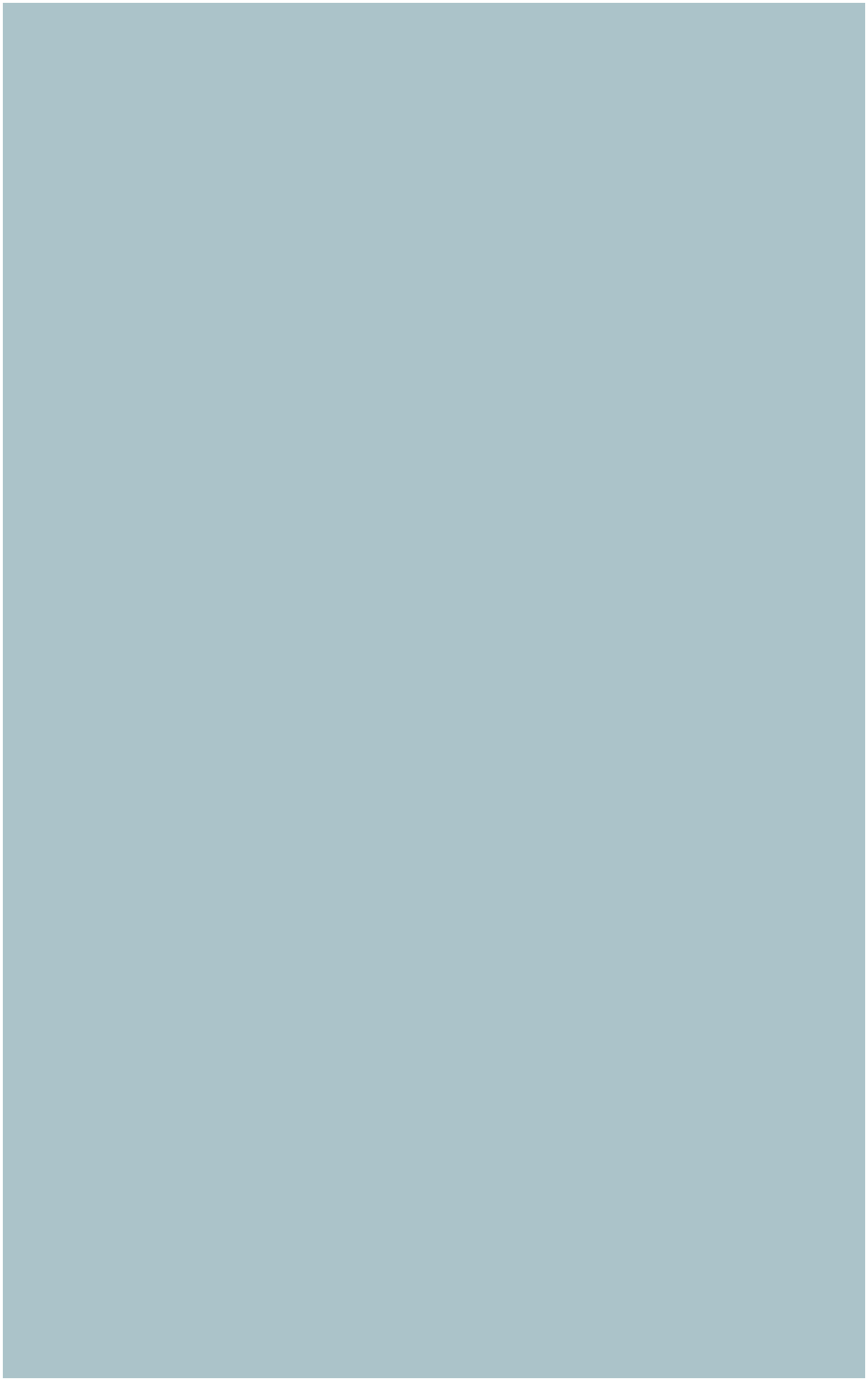
0	0	0		0
0	0	0		0
0	0	0		0

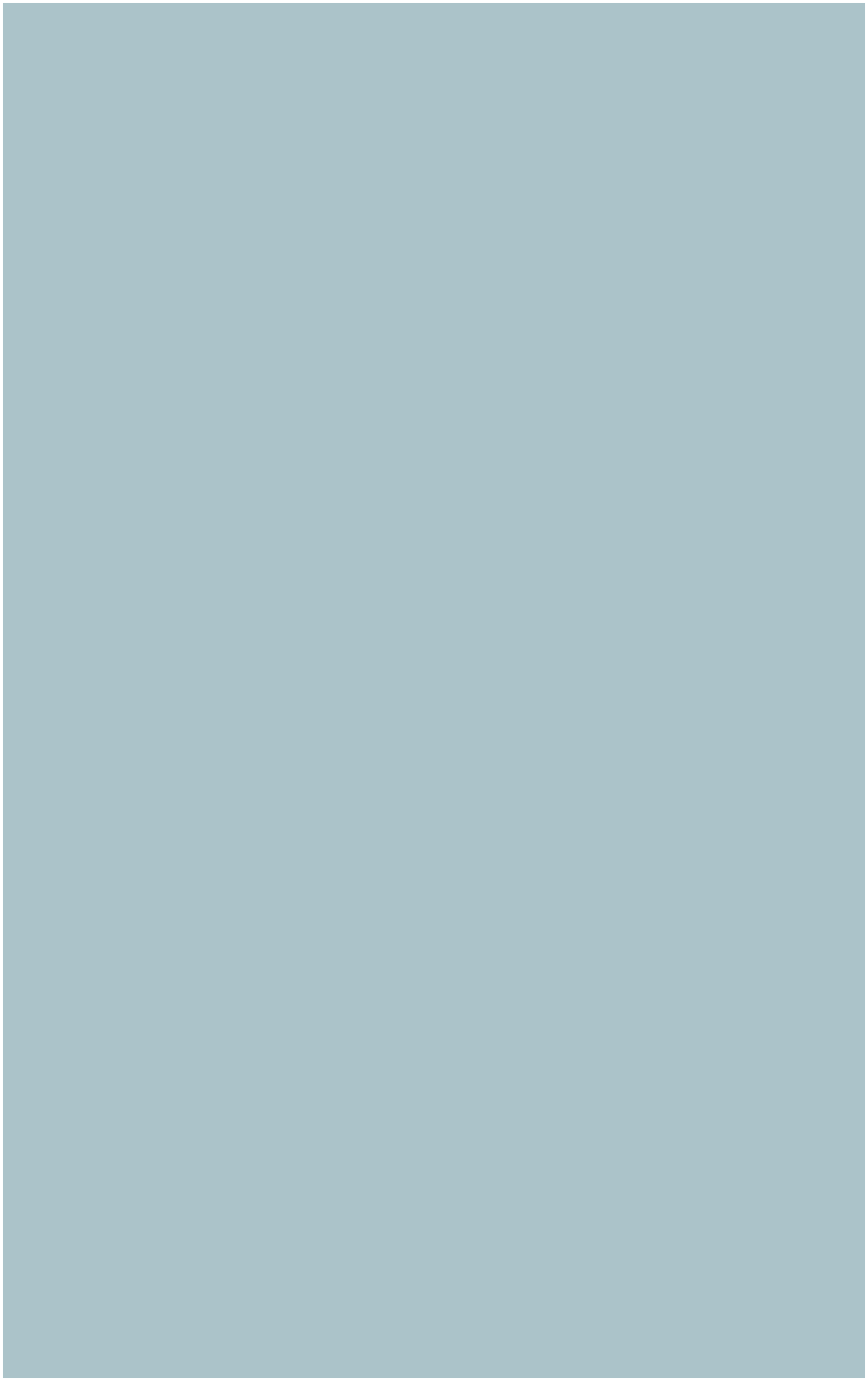
0	0	0		0
0	0	0		0
0	0	0		0
0	0	0		0
0	0	0		0
0	0	0		0
0	0	0		0
0	0	0		0
0	0	0		0

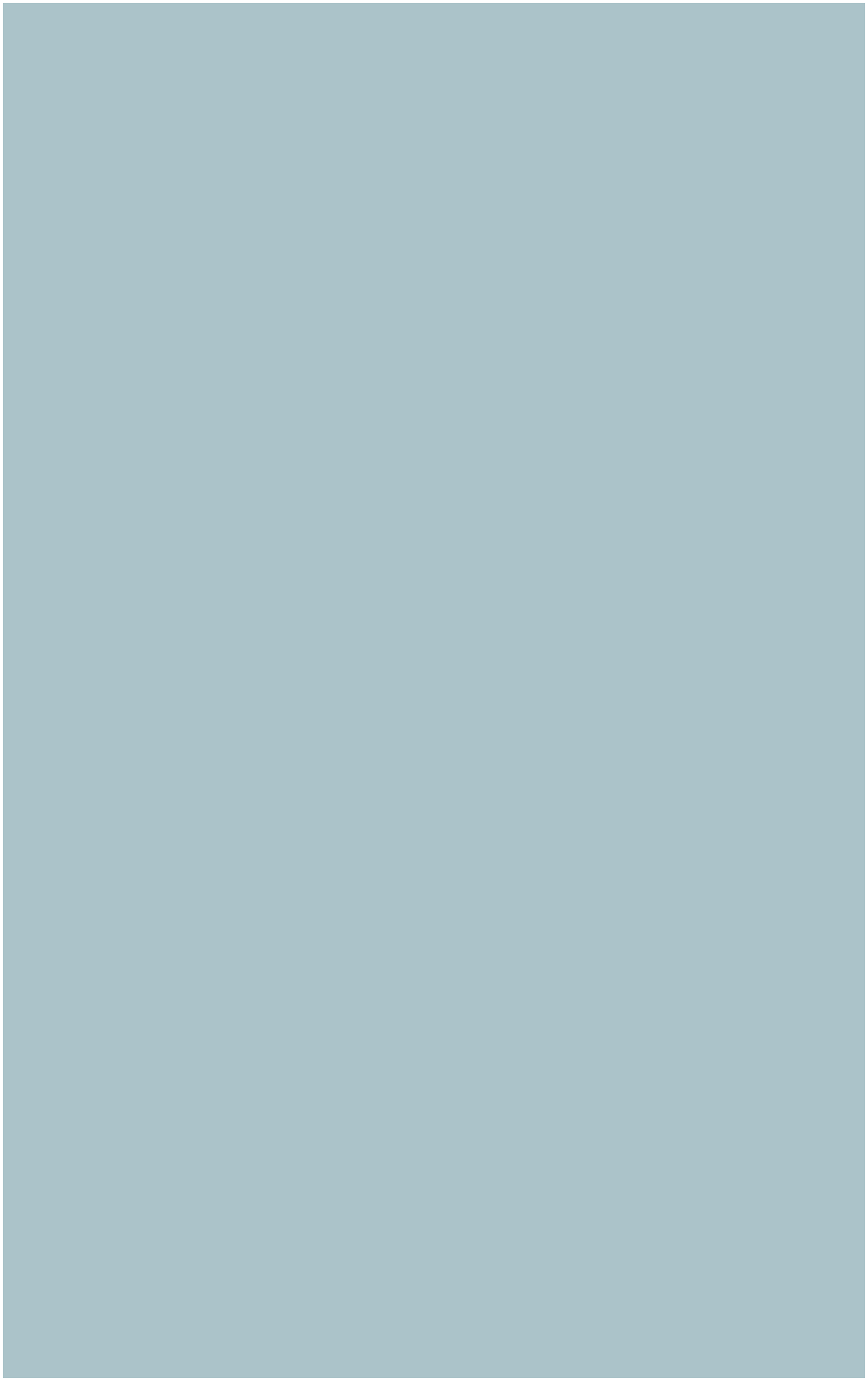


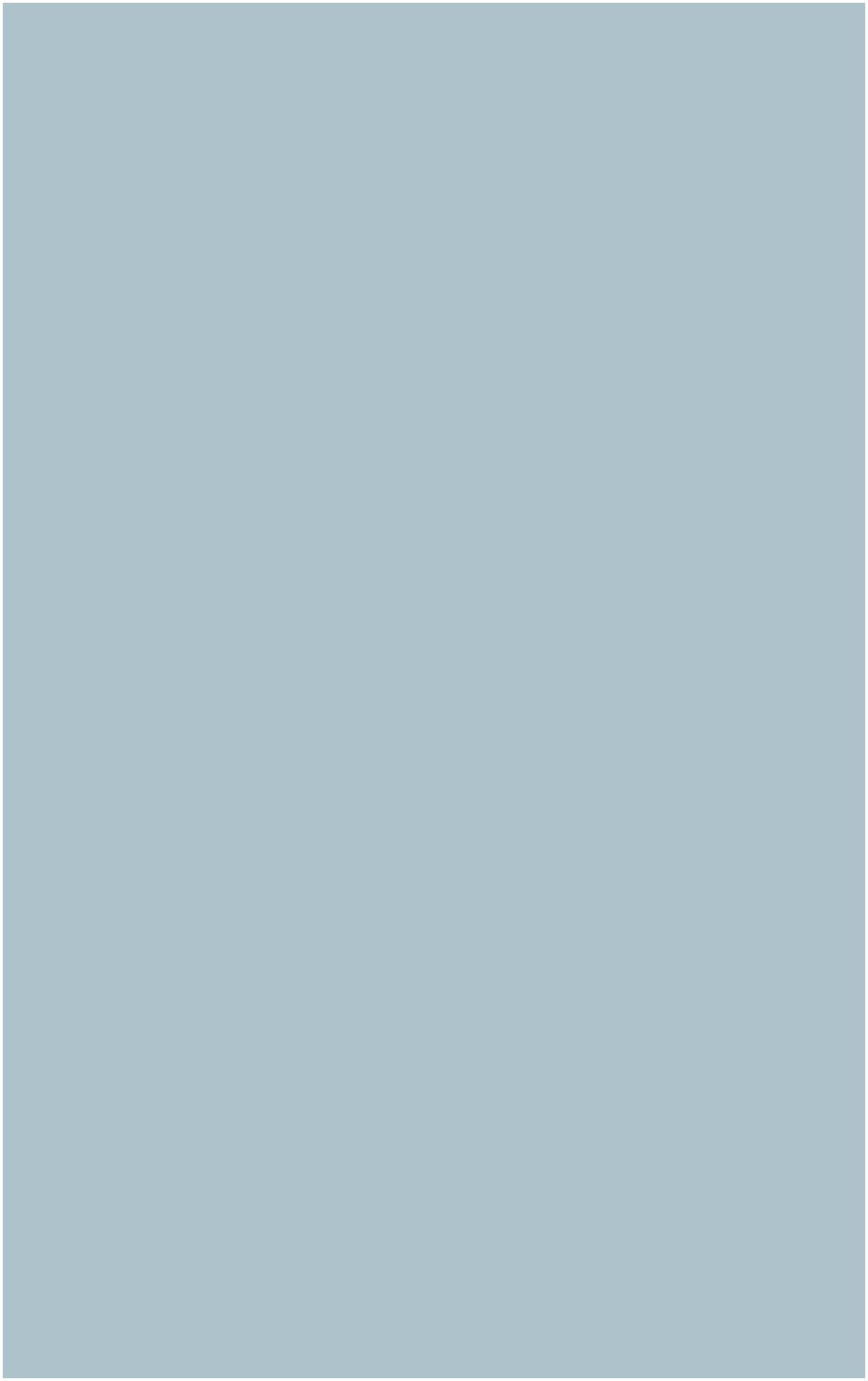


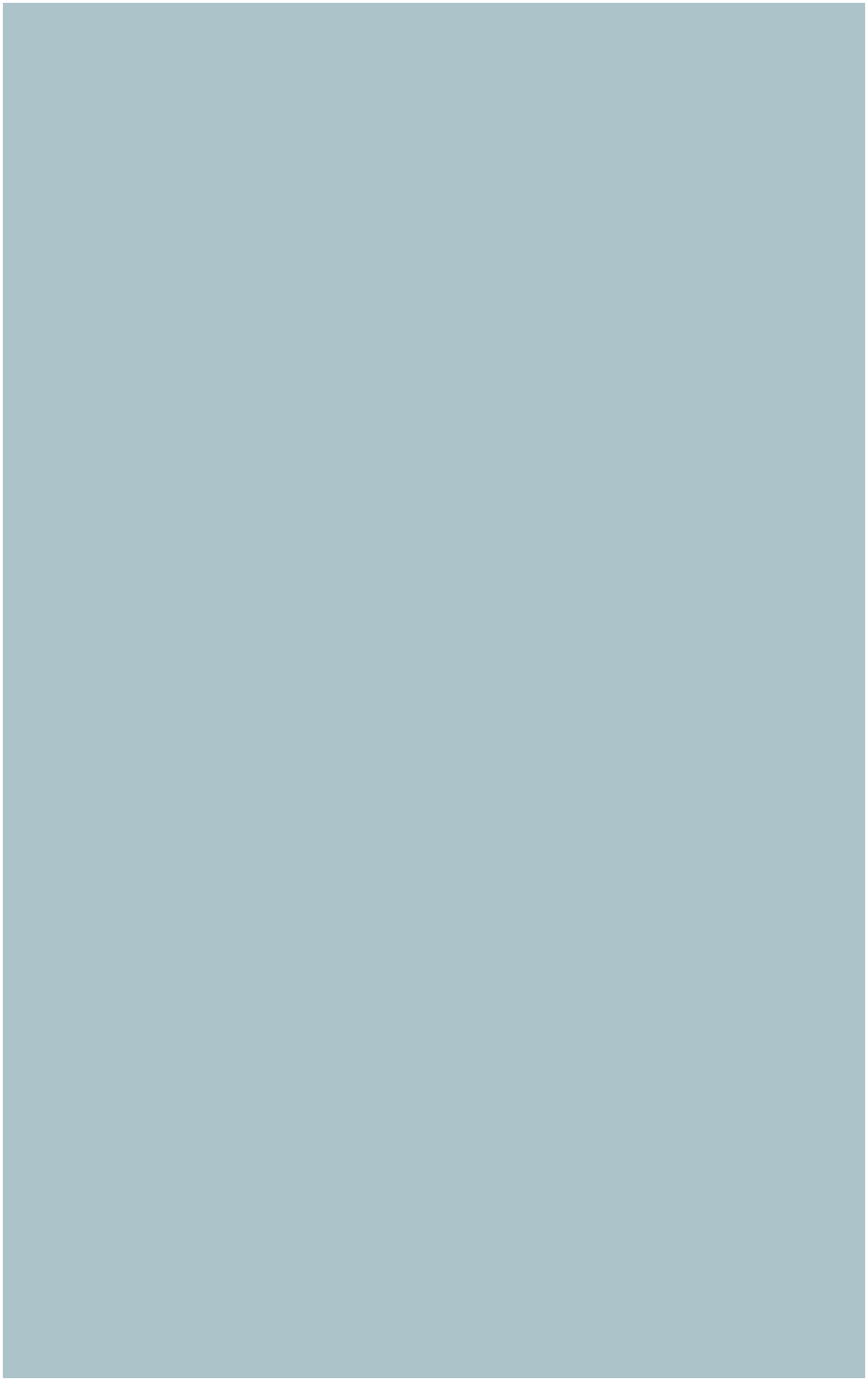


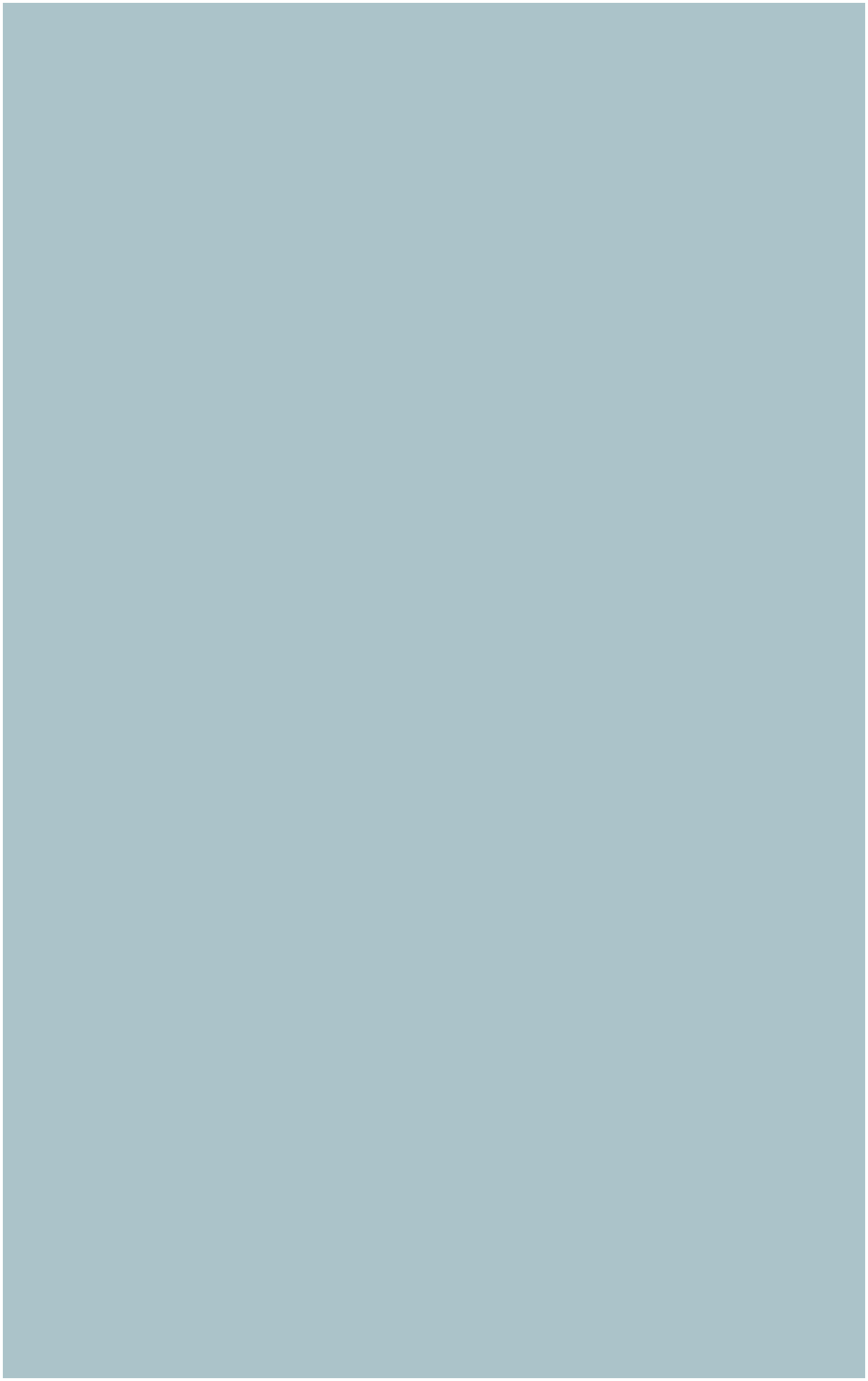


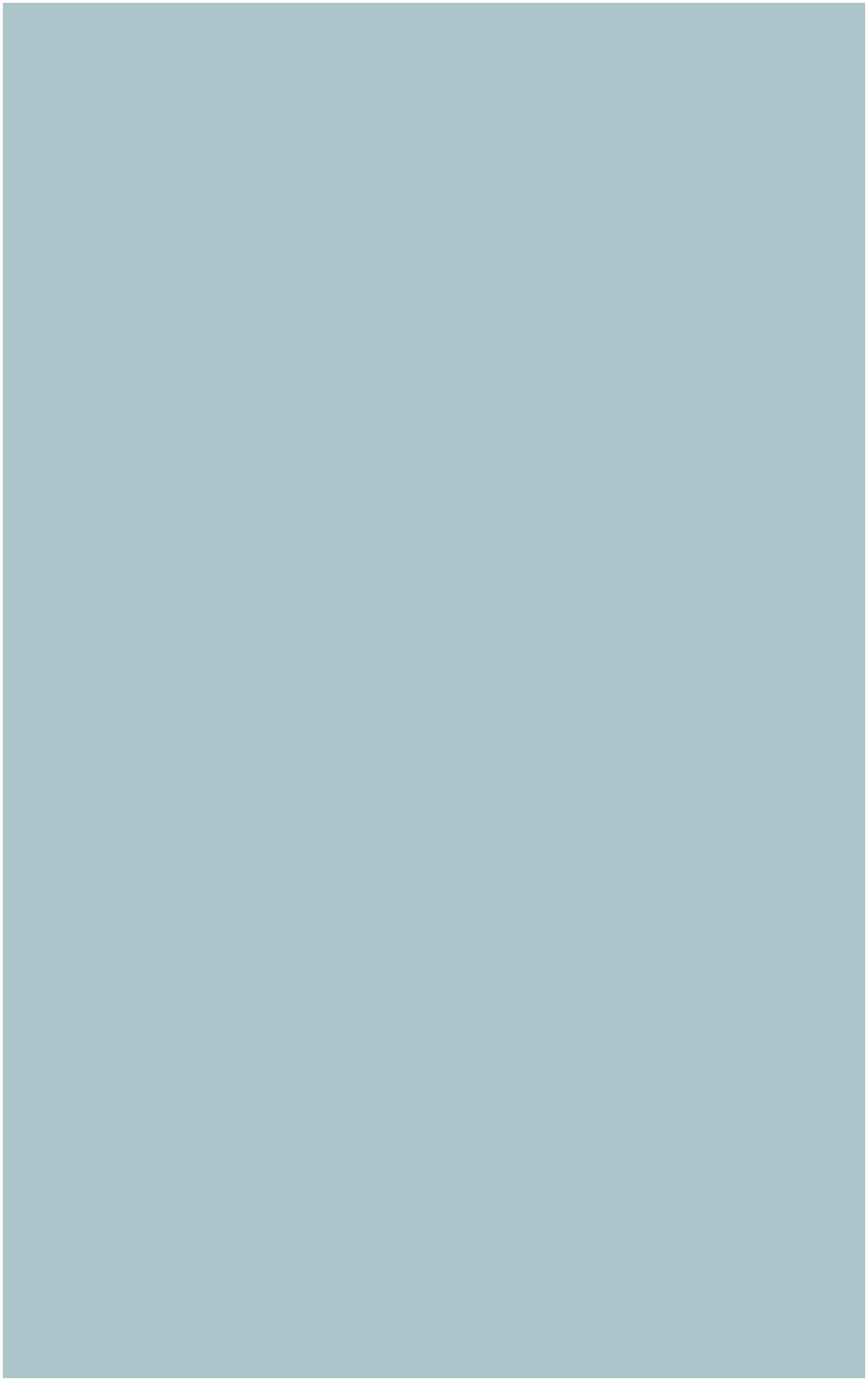


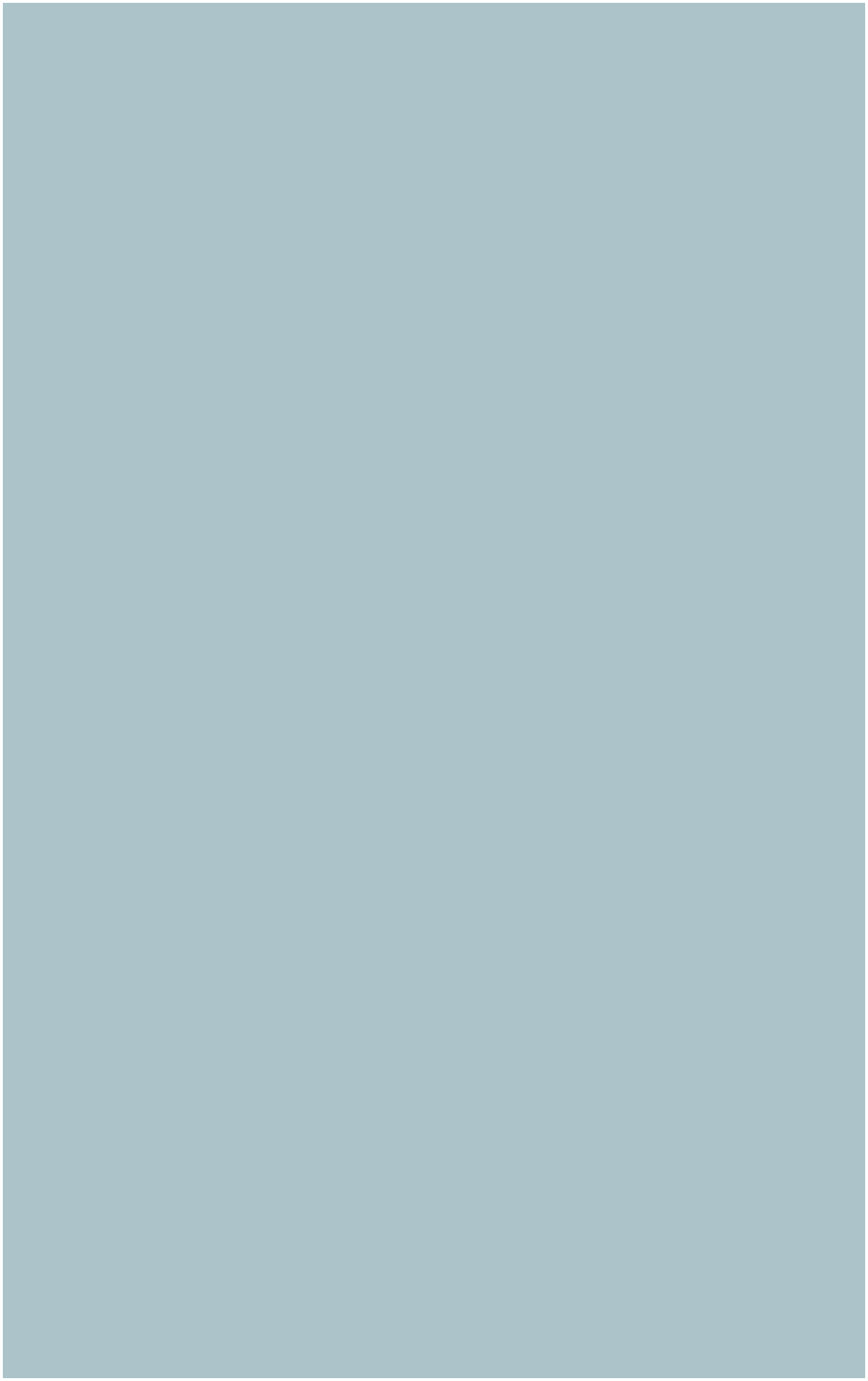


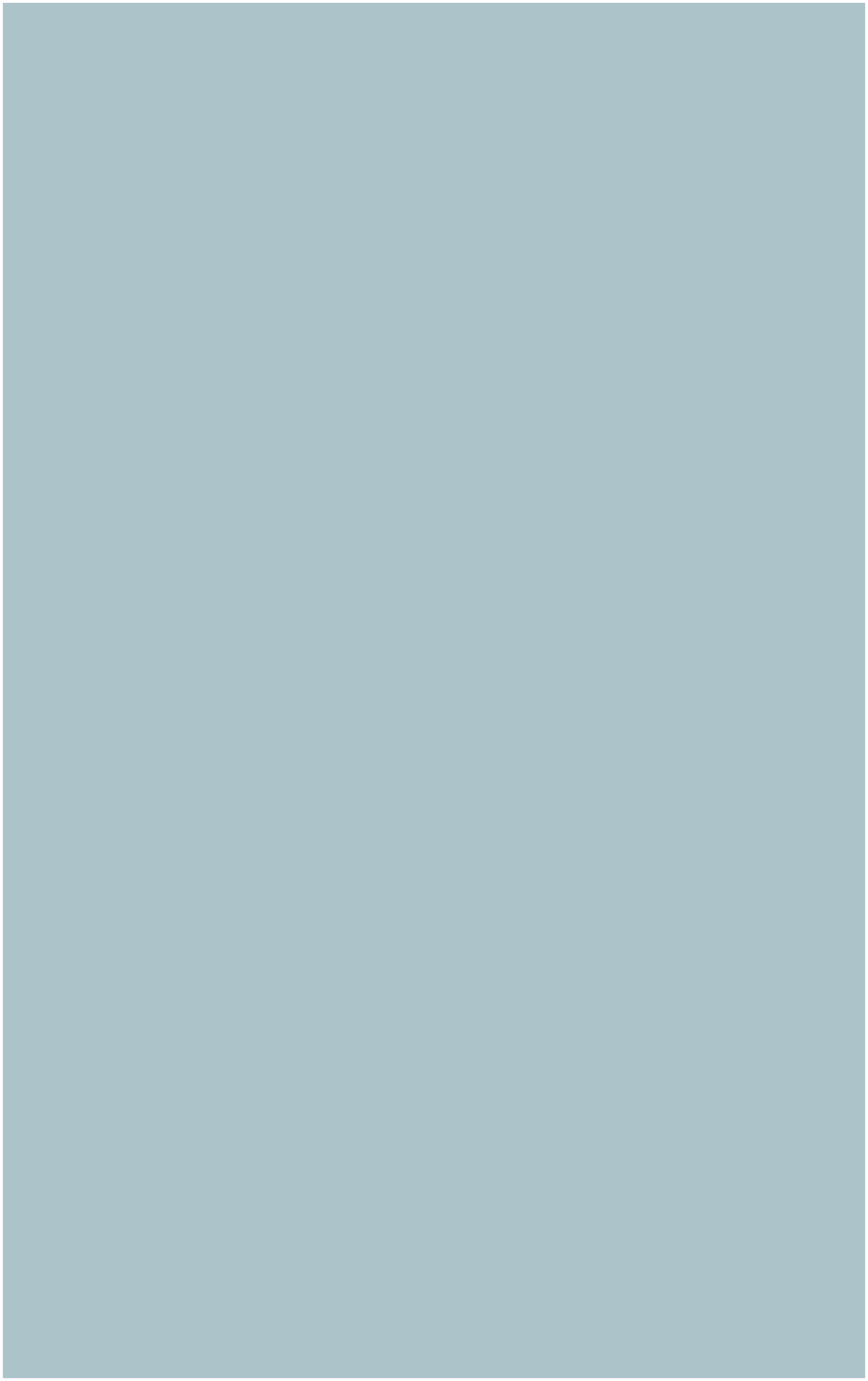


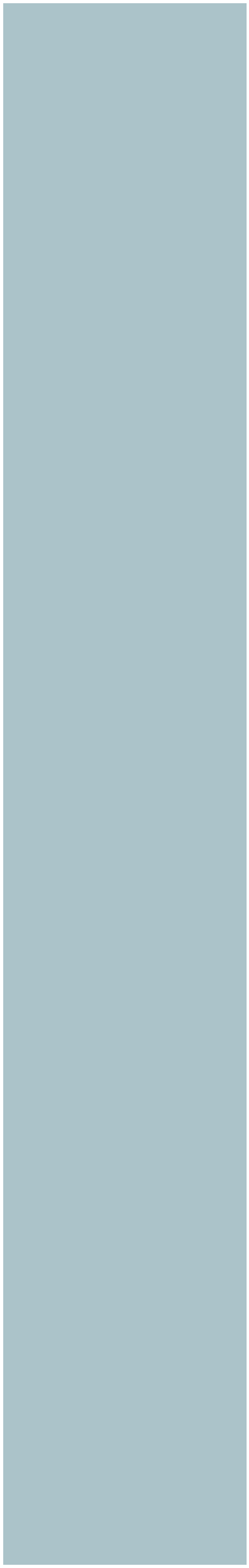


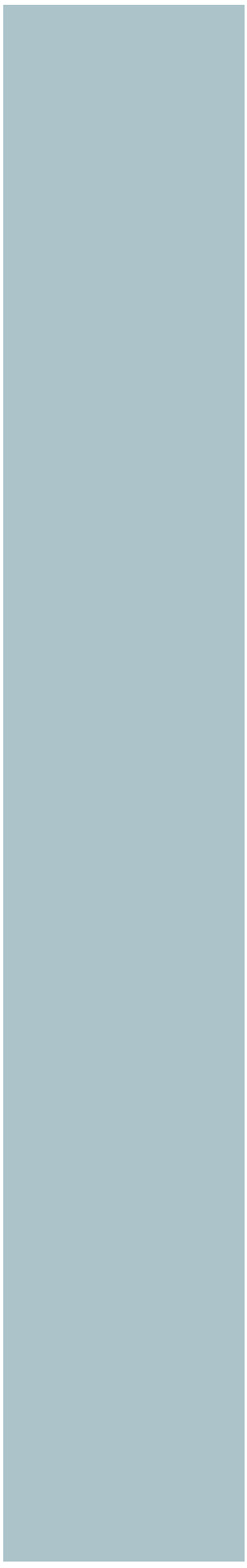


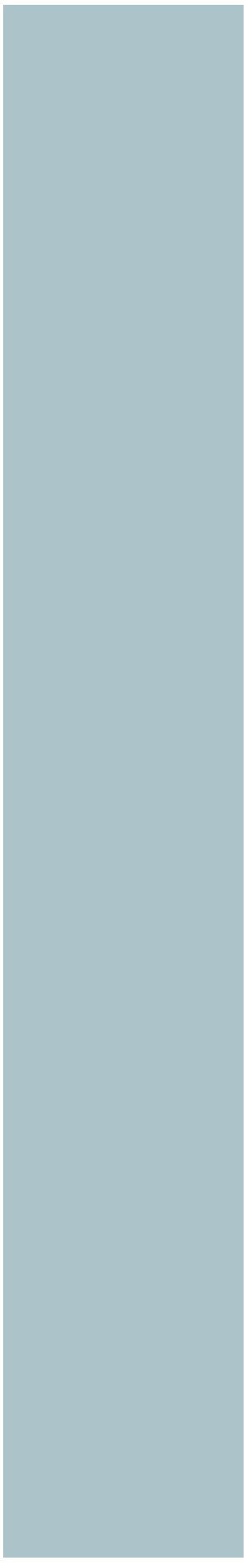












Project Name: Sto

Condense / Show C

Main Menu

Ref	Broad Habitat
1	Urban
2	Grassland
3	Grassland
4	Woodland and forest

5	Woodland and forest
6	Heathland and shrub
7	Urban
8	Woodland and forest
9	Urban
10	Grassland
11	Individual trees

12	Urban
13	

rthes Hall Student Village, Kirkburton Map Reference:

A-1 On-Site Habitat Baseline

Columns | Condense / Show Rows | Instructions

Existing area habitats

Habitat Type	Area (hectares)
Developed land; sealed surface	4.19
Modified grassland	2.589
Other neutral grassland	0.298
Lowland mixed deciduous woodland	1.921

Other woodland; broadleaved	0.35
Mixed scrub	0.728
Introduced shrub	0.208
Other coniferous woodland	0.239
Artificial unvegetated, unsealed surface	0.12
Modified grassland	1.657
Urban tree	0.8428

Allotments	0.09
Total habitat area	**13.23**
Site Area (Excluding area of Individual trees and Green walls)	**12.39**
M² to hectares conversion tool:	**Select a unit**

Area habitat sur	
Total Net Unit Change	
Total Net % Change	
Trading Rules Satisfied	

Distinctiveness		Condition	
Distinctiveness	Score	Condition	Score
V.Low	0	N/A - Other	0
Low	2	Poor	1
Medium	4	Moderate	2
High	6	Moderate	2

Medium	4	Moderate	2
Medium	4	Moderate	2
Low	2	Condition Assessment N/A	1
Low	2	Poor	1
V.Low	0	N/A - Other	0
Low	2	Poor	1
Medium	4	Moderate	2

Low	2	Good	3

Hectares	M²

nmary
18.57
32.50%
No - check trading summaries ▲

Strategic significance		
Strategic significance	**Strategic significance**	**Strategic Significance multiplier**
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Formally identified in local strategy	High strategic significance	1.15

Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Formally identified in local strategy	High strategic significance	1.15
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1

Formally identified in local strategy	High strategic significance	1.15

Required Action to Meet Trading Rules	Ecological baseline	Retention ca		
	Total habitat units	Area retained	Area enhanced	Baseline units retained
Compensation Not Required	0.00	0.496	0	0.00
Same distinctiveness or better habitat required ≥	5.70	0	0	0.00
Same broad habitat or a higher distinctiveness habitat required (≥)	2.62	0	0	0.00
Same habitat required =	26.51	0	1.681	0.00

Same broad habitat or a higher distinctiveness habitat required (≥)	3.08		0	0	0.00
Same broad habitat or a higher distinctiveness habitat required (≥)	6.41		0	0	0.00
Same distinctiveness or better habitat required ≥	0.46		0	0	0.00
Same distinctiveness or better habitat required ≥	0.53		0	0.239	0.00
Compensation Not Required	0.00		0	0	0.00
Same distinctiveness or better habitat required ≥	3.81		0	1.527	0.00
Same broad habitat or a higher distinctiveness habitat required (≥)	7.42		0	0	0.00

Same distinctiveness or better habitat required ≥	0.62	0.09	0	0.62
	57.15	**0.59**	**3.45**	**0.62**

Total area lost (excluding area of I trees and Green walls)

tegory biodiversity value			Bespoke compensation agreed for unacceptable losses
Baseline units enhanced	Area habitat lost	Units lost	
0.00	3.69	0.00	
0.00	2.59	5.70	
0.00	0.30	2.62	
23.20	0.24	3.31	

0.00	0.35	3.08	
0.00	0.73	6.41	
0.00	0.21	0.46	
0.53	0.00	0.00	
0.00	0.12	0.00	
3.51	0.13	0.30	
0.00	0.84	7.42	

0.00	0.00	0.00	
27.24	**9.20**	**29.29**	

Individual	**8.36**

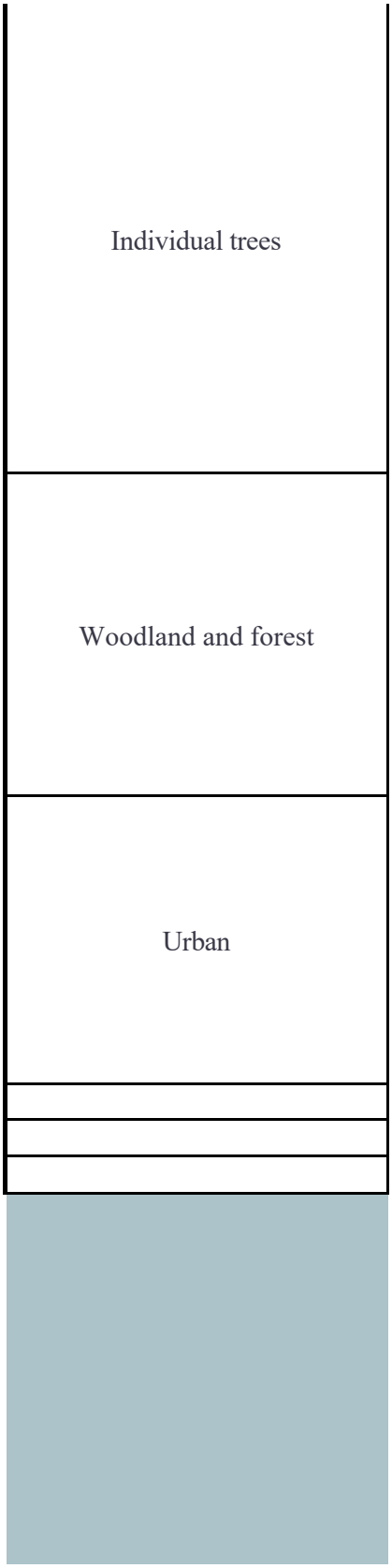
User comments
Total area of existing buildings, roads and other hardstanding. Habitat is of very low distinctiveness and no condition assessment is applicable. Strategic signficance set to Medium given site location and proximity to local habitat networks. 0.496ha of surrounding main access road included as retained as existing.
Areas of species poor modified amenity grassland throughout the site. Assessed as of Poor condition, failing the critical criteria A in relation to species diversity. Medium strategic significance and assumed to be entirely lost.
Localised areas of other neutral grassland in the south-west of the site which are distinct from the modified grassland areas. Due to species poor nature and stands of undesirable tall ruderal herb species indicating sub-optimal conditions, grouped here as of Poor condition. Medium strategic significance and assumed to be entirely lost.
Boundary mature woodland areas which are assessed to represent Lowland Mixed Deciduous Woodland Priority Habitat. Grouped as of Moderate conditon in accordance with Metric condition assessment criteria, with the value reduced by the presence of frequent invasive Rhododendron, and other indicators of sub-optimal conditions including Cherry Laurel. Areas are required to be lost to enable development, however, retained woodland to be enhanced through bringing into long-term management. Strategic signficance is High as areas formally idenified in Local Plan as part of habtiat network.

Localised area of woodland at the south-western boundary of the site which is distinct from the other areas, being far younger in nature and only approxiamtely 15-20 years old based on Google Earth imagery. Assessed as not representing Priority Habtiat therefore included as Other Broadleaf Woodland and is of Moderate condition. Area to be lost to enable development.
Localised areas of mixed scrub vegetation around the site boundaries. Assessed as of Moderate condition in accordance with condition assessment criteria. Area to be lost to enable development.
Localised areas of ornamentally planted shrub vegetation throughout central areas of the site. Habitat is of low distinctiveness and no condition assessment is applicable. Area to be lost to enable development.
Area of coniferous woodland to the east of the main Storthes Hall site. Due to the dominance of coniferous species, young nature and lack of a range of age classes, and abudance of invasive Rhododendron in the understorey, is assessed as of Poor condition. To be retained and enhanced through brining into long-term managament.
Localised area of cleared and regularly disturbed bare ground within the coniferous woodland to the east. Habtiat is of very low distinctiveness and no condition assessment is applicable. Area to be lost to new habitat creation (i.e. woodland planting).
Field of species-poor modified grassland to the east of the main Storthes Hall site. Assessed as of Poor condition as it fails the critical criteria in relation to species diversity. Area is to be enhanced to meadow grassland to include wetland/suds area, with the exception of a 0.13ha area to be lost to new LEAP . Strategic signifiance is set to High as idenitified as part of Local Plan habitat network.
Total of 87 individual trees within central areas of the main site which are to be lost to permit development. Area calculated using the Tree Helper on the Main Menu tab, with a split of 15 Medium sized trees and 72 Small trees based on the size reported in the separately submitted Tree Survey report. Grouped here as of Moderate condition as the most appropriate overall. Strategic significance as Medium as above.

Area at the west of the species-poor modified grassland to the east of the main Storthes Hall site which has existing Allotments. Assessed as in Good condition meeting all 3 assessment criteria(i.e. diversity of habitats, species and absence of invasives). Will be retained as existing. Strategic signifiance is set to High as idenitified as part of Local Plan habitat network.

Comments	
Consenting body comments	**GIS reference number**

Project Name: Storthes
Condense / Sh
Main M
Broad Habitat
Urban
Urban
Grassland


Individual trees
Woodland and forest
Urban

s Hall Student Village, Kirkburton Map Reference: 1826-MP-01

A-2 On-Site Habitat Creation

how Columns | Condense / Show Rows

Menu | Instructions

Proposed habitat
Developed land; sealed surface
Vegetated garden
Other neutral grassland

Urban tree
Other woodland; broadleaved
Bare ground
Total habitat area

Site Area (Excluding area of Individual trees and Green walls)

M² to hectares conversion tool:

Area habitat summ	
Total Net Unit Change	
Total Net % Change	
Trading Rules Satisfied	
Area Check (excluding individual trees and green walls)	

Area (hectares)	Distinctiveness		Condition	
	Distinctiveness	Score	Condition	Score
4.592	V.Low	0	N/A - Other	0
1.968	Low	2	Condition Assessment N/A	1
1.6	Medium	4	Moderate	2

1.7507	Medium	4	Moderate	2
0.07	Medium	4	Moderate	2
0.13	Low	2	Poor	1

10.11

8.36

Select a unit	Hectares	M²

nary
18.57
32.50%
No - check trading summaries ▲
Area Acceptable ✓

Strategic significance		
Strategic significance	**Strategic significance**	**Strategic position multiplier**
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1

Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Formally identified in local strategy	High strategic significance	1.15

Post development/ post intervention habitats		
Standard time to target condition (years)	**Habitat created in advance (years)**	**Delay in starting habitat creation (years)**
0	0	0
1	0	0
5	0	0

27	0	0
15	0	0
1	0	0

Temporal multiplier

Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier
Standard time to target condition applied	0	1.000
Standard time to target condition applied	1	0.965
Standard time to target condition applied	5	0.837

Standard time to target condition applied	27	0.382
Standard time to target condition applied	15	0.586
Standard time to target condition applied	1	0.965

Difficulty multipliers			
Standard difficulty of creation	**Applied difficulty multiplier**	**Final difficulty of creation**	**Difficulty multiplier applied**
Low	Standard difficulty applied	Medium	0.67
Low	Standard difficulty applied	Low	1
Low	Standard difficulty applied	Low	1

Low	Standard difficulty applied	Low	1
Low	Standard difficulty applied	Low	1
Low	Standard difficulty applied	Low	1
			Total Units

Habitat units delivered	Con User comments
0.00	Total area of proposed development area including roads, buildings, and other sealed surface. Habitat is of very low distinctiveness and no condition assessment is applicable. Medium strategic signficance as per baseline habitats. In accordance with the Metric User Guide, where detailed Landscape informaiton is not available, 70% of residential development area should be allocated to this habitat type (with 30% to vegetated garden as below).
4.18	Total area of new garden habitats associated with new residenital housing (i.e. 30% of residential development area). Habitat is of Low distinctiveness and no condition assessment is applicable due to lack of control on future management. Strategic significance set to Medium as per baseline habitats.
11.78	Proposed Public Open Space areas and other localised areas around the boundaries of the proposed development areas (i.e. buildings, gardens, roads) which in the absence of detailed planting plans are assumed to be seeded with a meadow grassland seed mix. Other Neutral Grassland deemed an appropriate habitat type and with long-term management to maximise biodiversity value, but recognising pressures from location and use, and uncertainty on habitat type, Moderate condition deemed appropriate. Strategic significance to remain as Medium.

5.89	Total of 86 proposed trees illustrated on the Indicative Masterplan. Area calculated using the Main Menu tree helper inputting 43 medium sized trees and 43 small trees. This is based on the assumption that the 43 trees lining the main central avenue are of Medium size and those others scattered lining side roads are Small. Moderate condition deemed feasible and realistic with appropriate management including ensuring successful establishment and maintenance in the long-term. Strategic signficance Medium as per baseline habitats.
0.36	Existing area of cleared bare ground associated with the coniferous woodland to the east. Assumed this can be planted up with broadleaf woodland planting, and managed in the long-term to maximise biodiversity value. Other broadleaf woodland of Moderate condition is reaslitic and achievable. Strategic signficance Medium as per baseline habitats.
0.29	New LEAP area within the field to the east of the main site. Included here as Bare Ground as the most appropriate habitat type, and considering it will likely not be managed to maximise biodiversity value, given a targer of Poor condition. Strategic significance to remain as High as per the baseline of this area.
22.50	

nments

Consenting body comments	GIS reference number

Name: Storthes Hall Student Village, Kirkburton **Map Reference: 1826**

A-3 On-Site Habitat Enhancement

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

Baseline ref	Baseline habitat	Total habitat area (hectares)
4	Woodland and forest - Lowland mixed deciduous woodland	1.921
8	Woodland and forest - Other coniferous woodland	0.239
10	Grassland - Modified grassland	1.657

Baseline habitats			
Baseline distinctiveness band	**Baseline distinctiveness score**	**Baseline condition category**	**Baseline condition score**
High	6	Moderate	2
Low	2	Poor	1
Low	2	Poor	1

Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units
High strategic significance	1.15	26.51
Medium strategic significance	1.1	0.53
High strategic significance	1.15	3.81

	Propo
Required Action to Meet Trading Rules	**Proposed Broad Habitat**
Same habitat required =	**Woodland and forest**
Same distinctiveness or better habitat required ≥	**Woodland and forest**
Same distinctiveness or better habitat required ≥	**Grassland**

Area habitat s
Total Net Unit Change
Total Net % Change
Trading Rules Satisfied

osed Habitat (Pre-populated but can be overridden)
Proposed habitat
Lowland mixed deciduous woodland
Other coniferous woodland
Other neutral grassland

summary
18.57
32.50%
No - check trading summaries ▲

Change in distinctiveness and condition		Area (hectares)
Distinctiveness change	Condition change	
High - High	Moderate - Good	1.681
Low - Low	Poor - Moderate	0.239
Low - Medium	Lower Distinctiveness Habitat - Good	1.527
	Total habitat area	3.45

			Post
Distinctiveness	**Score**	**Condition**	**Score**
High	6	Good	3
Low	2	Moderate	2
Medium	4	Good	3

development/ post intervention habitats

Strategic significance			
Strategic significance	**Strategic significance**	**Strategic position multiplier**	**Standard time to target condition (years)**
Formally identified in local strategy	High strategic significance	1.15	20
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	25
Formally identified in local strategy	High strategic significance	1.15	15

Temporal risk multiplier		
Habitat enhanced in advance (years)	**Delay in starting habitat enhancement (years)**	**Standard or adjusted time to target condition**
0	0	Standard time to target condition applied
0	0	Standard time to target condition applied
0	0	Standard time to target condition applied

		Difficulty risk multipl	
Final time to target condition (years)	**Final time to target multiplier**	**Standard difficulty of enhancement**	**Applied difficulty multiplier**
20	0.490	High	Standard difficulty applied
25	0.410	Low	Standard difficulty applied
15	0.586	Low	Standard difficulty applied

liers		Habitat units delivered	Com
Final difficulty of enhancement	**Difficulty multiplier applied**		**User comments**
High	0.33	25.07	Retained areas of boudnary mature woodland which is to be brought into long-term maangement to maximise biodiversity value, including removal and control of invasive species including Rhododendron, and woodland management to include annual monitoring, selective felling, maintanence of deadwood features etc. Considered reaslitic to increase from Moderate to Good condition.
Low	1	0.74	Coniferous woodland to the east which is also to be brought into long-term woodland management and increase from Poor to Moderate condition deemed reaslitic and achievable.
Low	1	13.80	Area of modified grassland to the east of the main Storthes Hall site which is to be utilised as a habitat enhancement area with meadow and SUDs creation. Other neutral grassland is deemed and appropriate and reaslitic habitat to group these habitats in, as higher value grassland such as Lowland Meadow may overvalue what is achievable. Grassland of Good condition is reaslitic with long-term management (i.e. species diversity, varied sward, control of bracken and bramble, monitor and control invasives, maintain localised bare ground etc.). Strategic signifiance is to remain as High as idenitified as part of Local Plan habitat network.
		39.62	

ıments	
Consenting body comments	**GIS reference number**

Project Name: Storth

D

Condense / Show Colu

Main Menu

Baseline ref	Broad habitat
1	Grassland
2	Urban
3	Urban
4	
5	

es Hall Student Village, Kirkburton Map Reference:

-1 Off-Site Habitat Baseline

umns | Condense / Show Rows

Instructions

Existing area habitats

Habitat type
Modified grassland
Artificial unvegetated, unsealed surface
Developed land; sealed surface
Total habitat area

Site Area (Excluding area of Individual trees and Green walls)

M² to hectares conversion tool:

Area habitat su
Total Net Unit Change
Total Net % Change
Trading Rules Satisfied

	Distinctiveness		Condition	
Area (hectares)	Distinctiveness	Score	Condition	Score
1.786	Low	2	Poor	1
0.159	V.Low	0	N/A - Other	0
0.02	V.Low	0	N/A - Other	0
1.97				

1.97

Select a unit	Hectares	M²

mmary
18.57
32.50%
No - check trading summaries ▲

Strategic significance		
Strategic significance	Strategic significance	Strategic position multiplier
ocation ecologically desirable but not in local strategi	strategic signi	1.1
ocation ecologically desirable but not in local strategi	strategic signi	1.1
ocation ecologically desirable but not in local strategi	strategic signi	1.1

Required Action to Meet Trading Rules
Same distinctiveness or better habitat required ≥
Compensation Not Required
Compensation Not Required
Total Site baseline

Spatial risk multiplier
Spatial risk category
Compensation inside LPA boundary or NCA of impact site
Compensation inside LPA boundary or NCA of impact site
Compensation inside LPA boundary or NCA of impact site

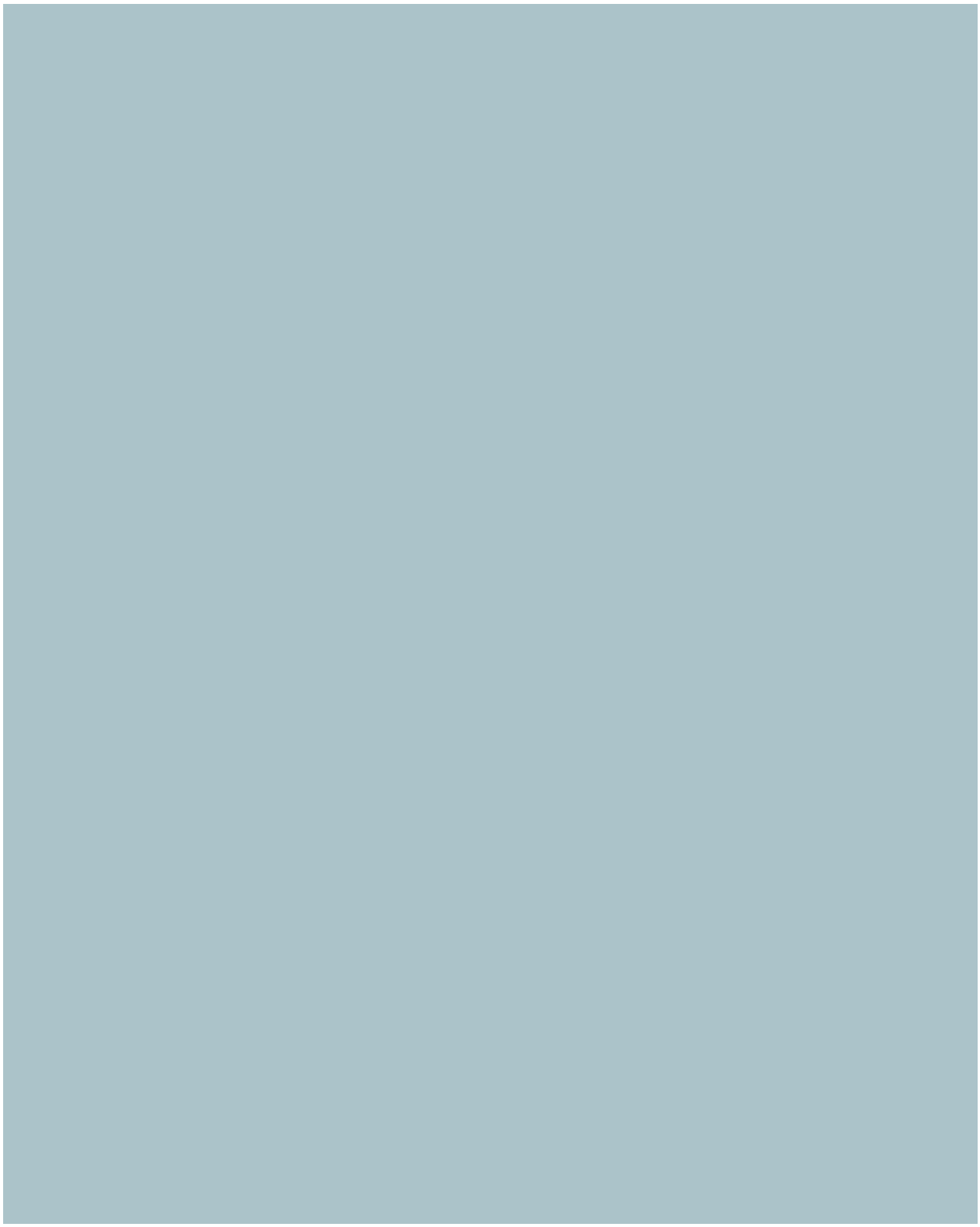
Ecological baseline	Retention category biodiversity value				
Total habitat units	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area lost
3.93	0	1.786	0.00	3.93	0.00
0.00	0	0	0.00	0.00	0.16
0.00	0.02	0	0.00	0.00	0.00
3.93	**0.02**	**1.79**	**0.00**	**3.93**	**0.16**

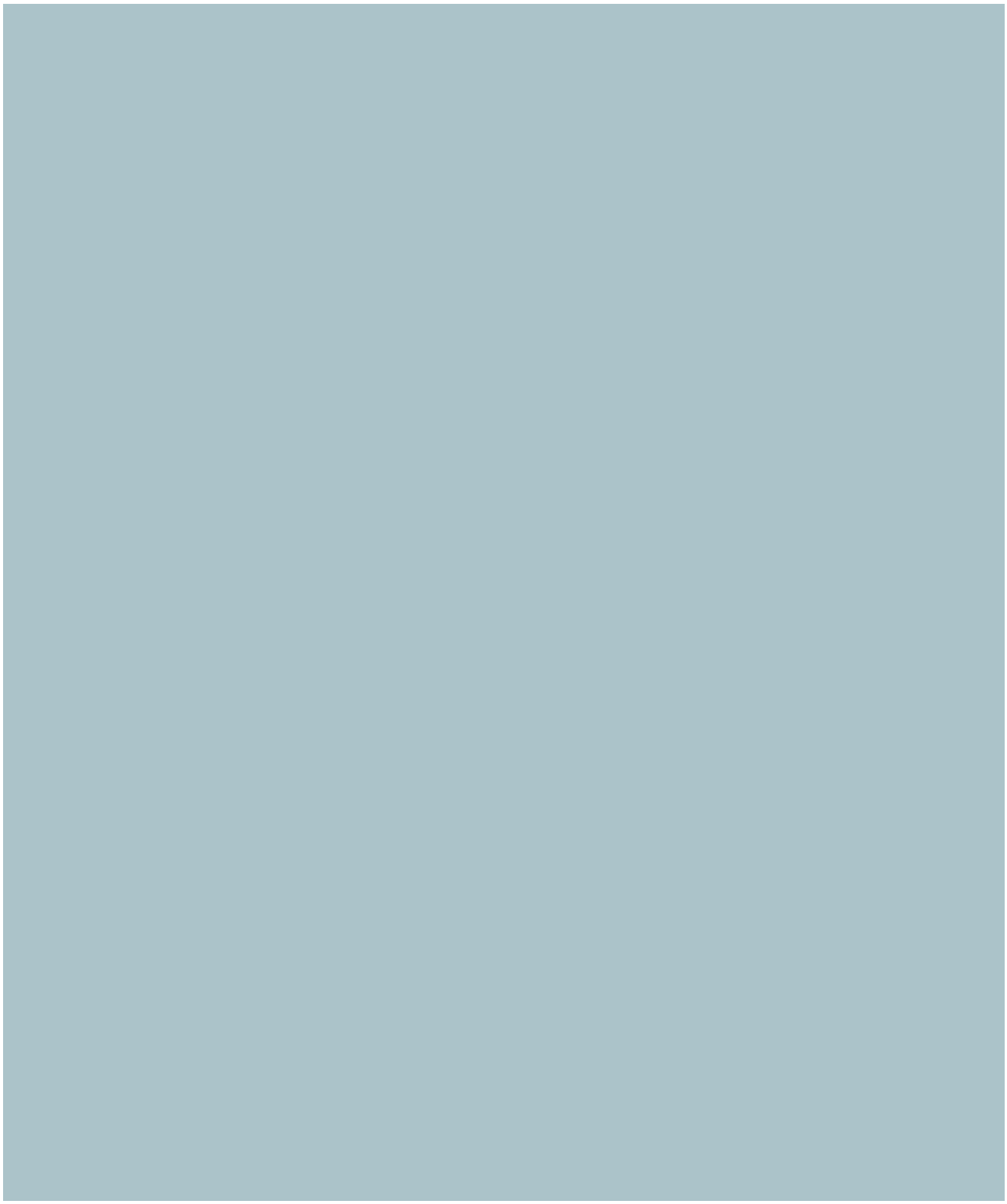
Total area lost (excluding area of Urban trees and Green walls)	**0.16**

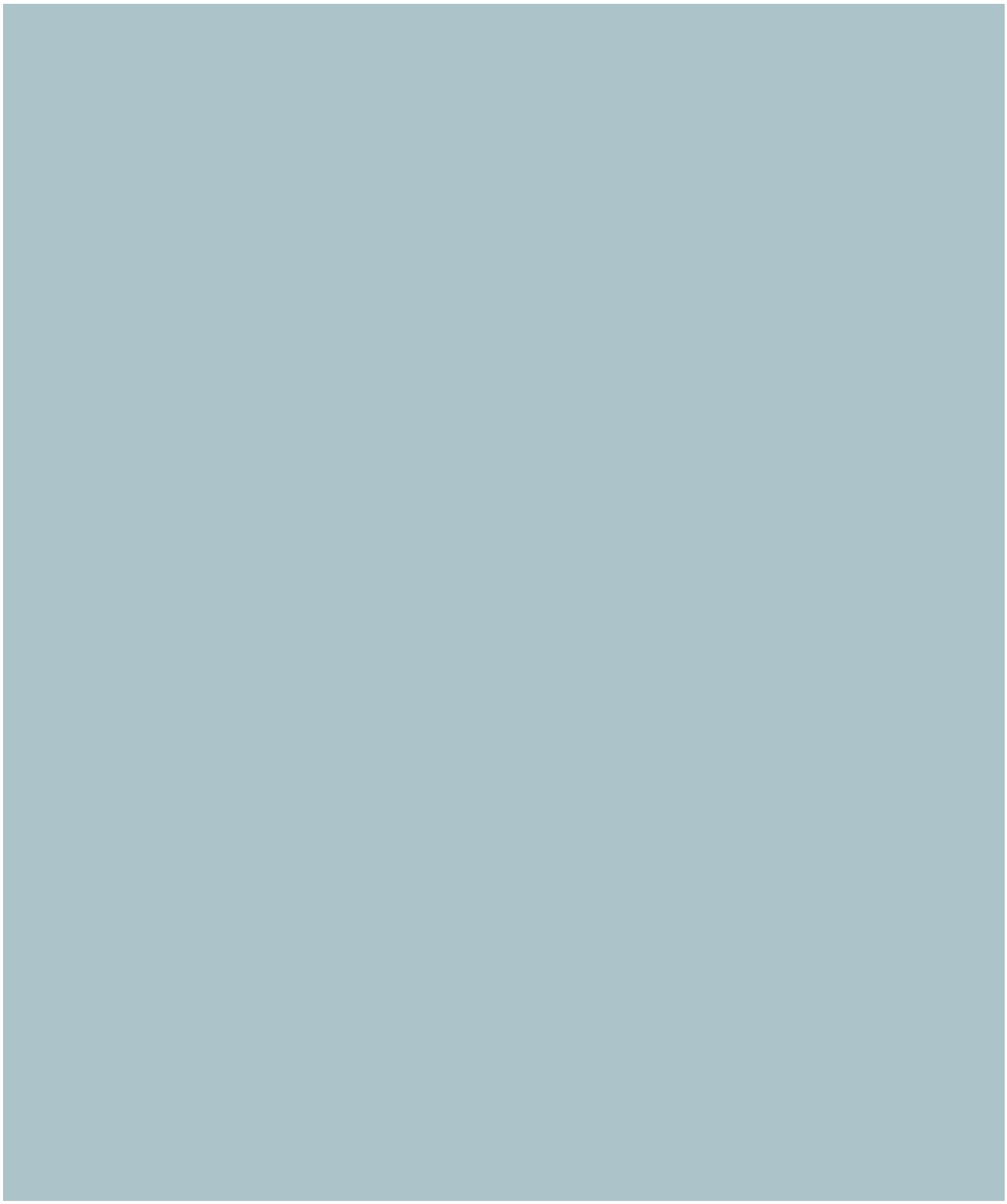
	Bespoke compensation agreed for unacceptable losses	Comm
Units lost		**User comments**
0.00		Field of modified grassland located around 680m to the south-west of the main Storthes Hall site. Assessed as of Poor condition due to failing critical criteria A in relation to species diversity. Area to be enahnced.
0.00		Localised area of cleared bare ground at the south-western end of the field to become part of proposed enhanced grassland.
0.00		Sealed surface of below ground reservoirs. Assumed these would stay as existing.
0.00		

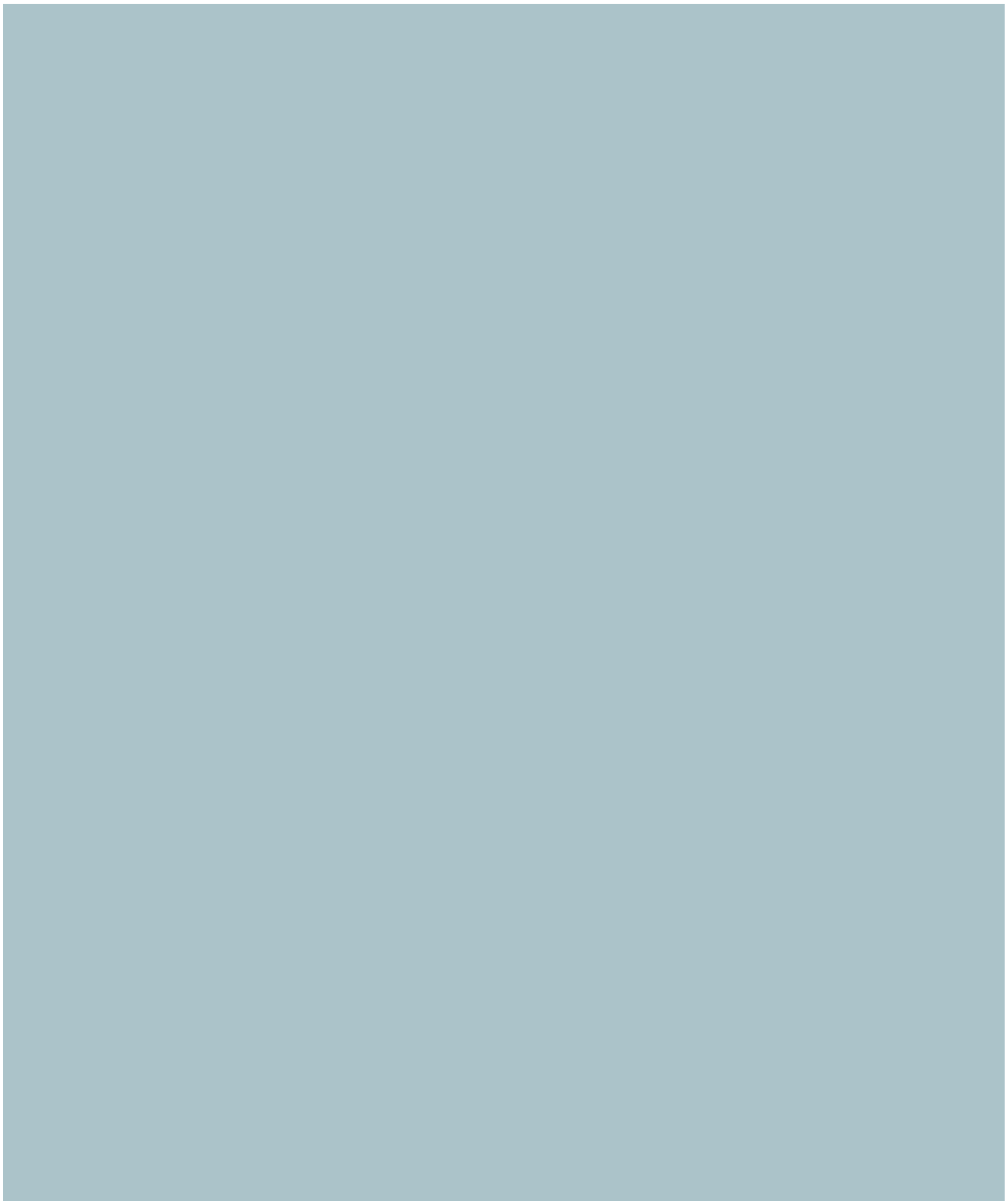
nents

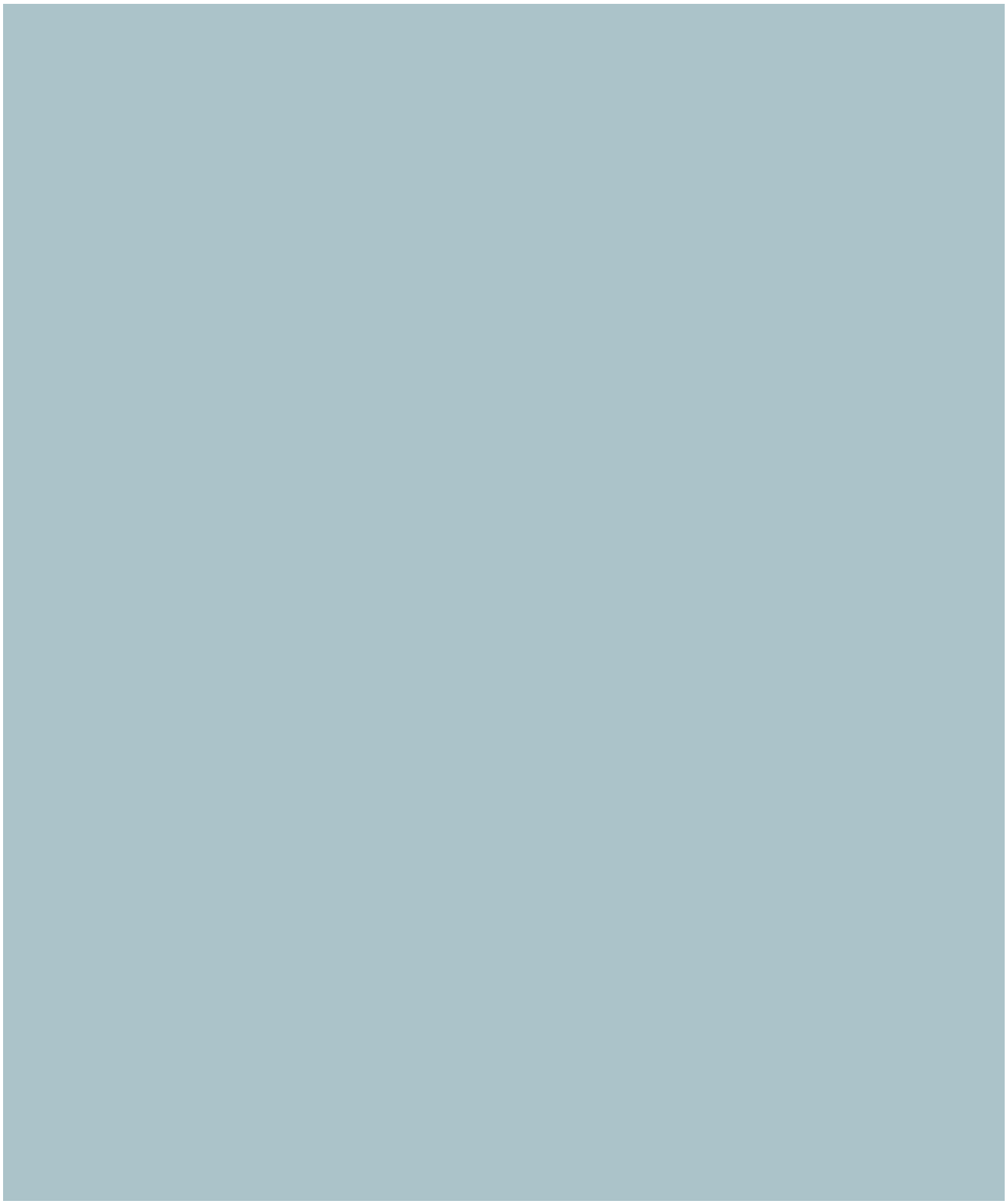
Consenting body comments	GIS reference number	Off-site reference

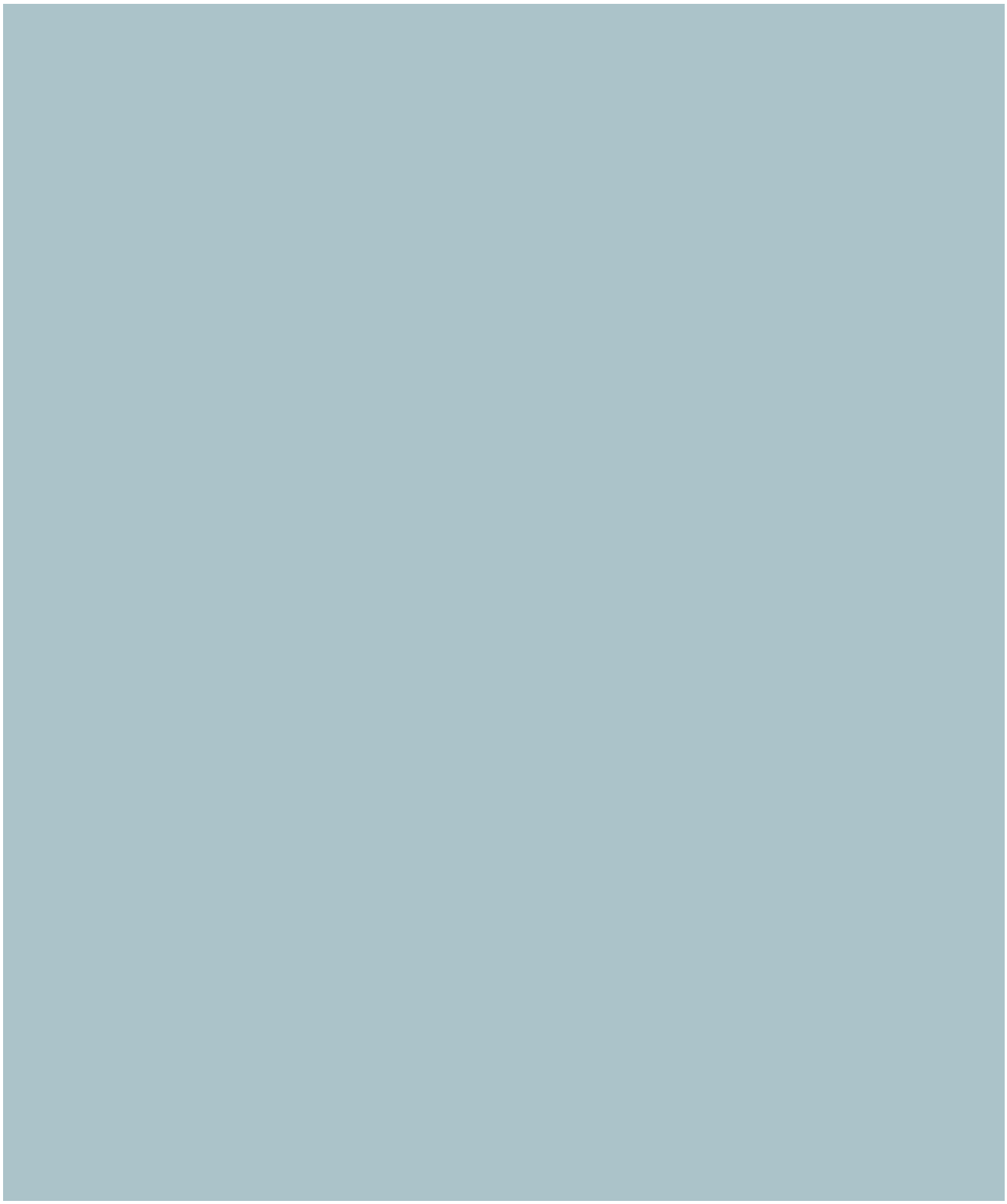


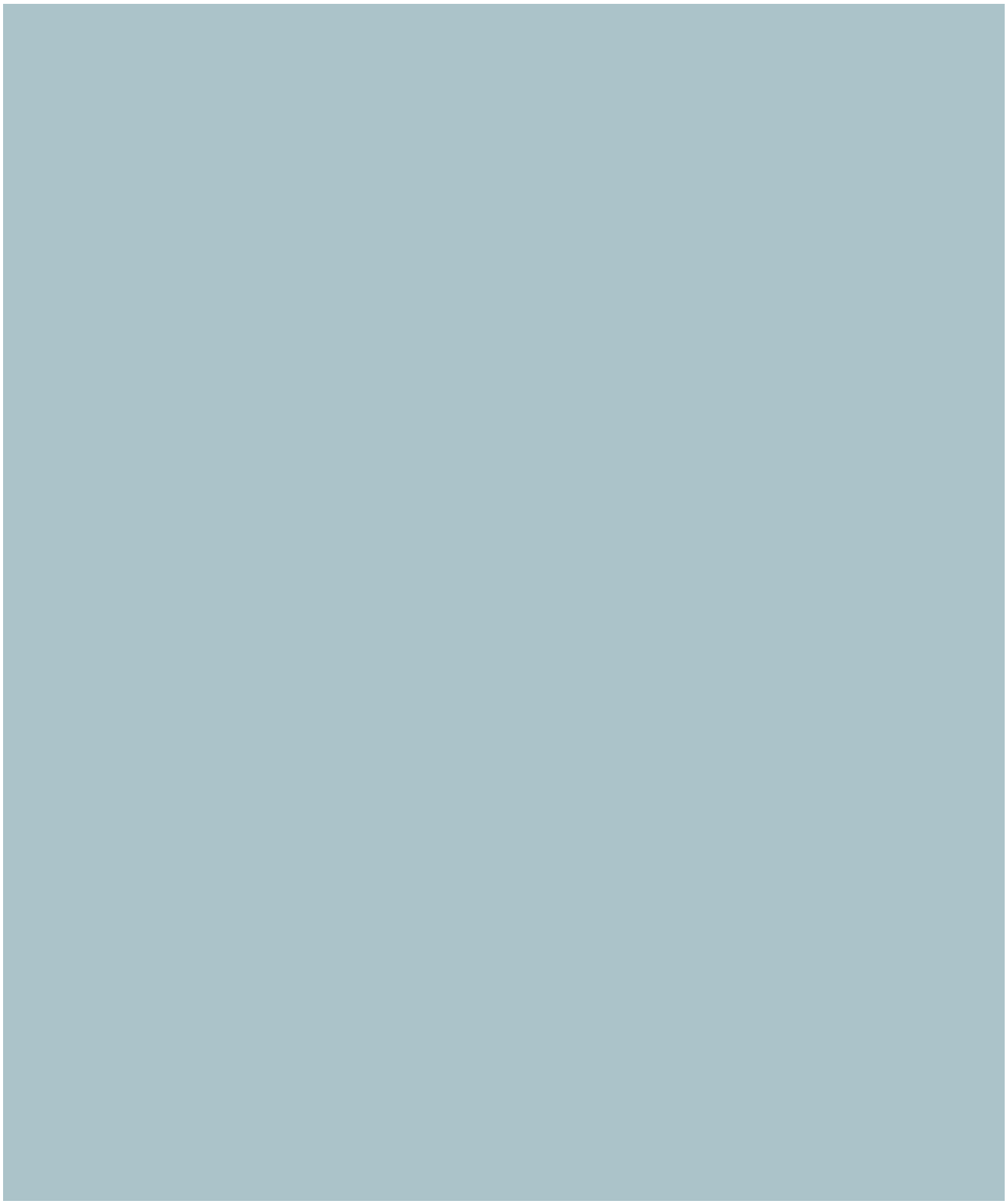


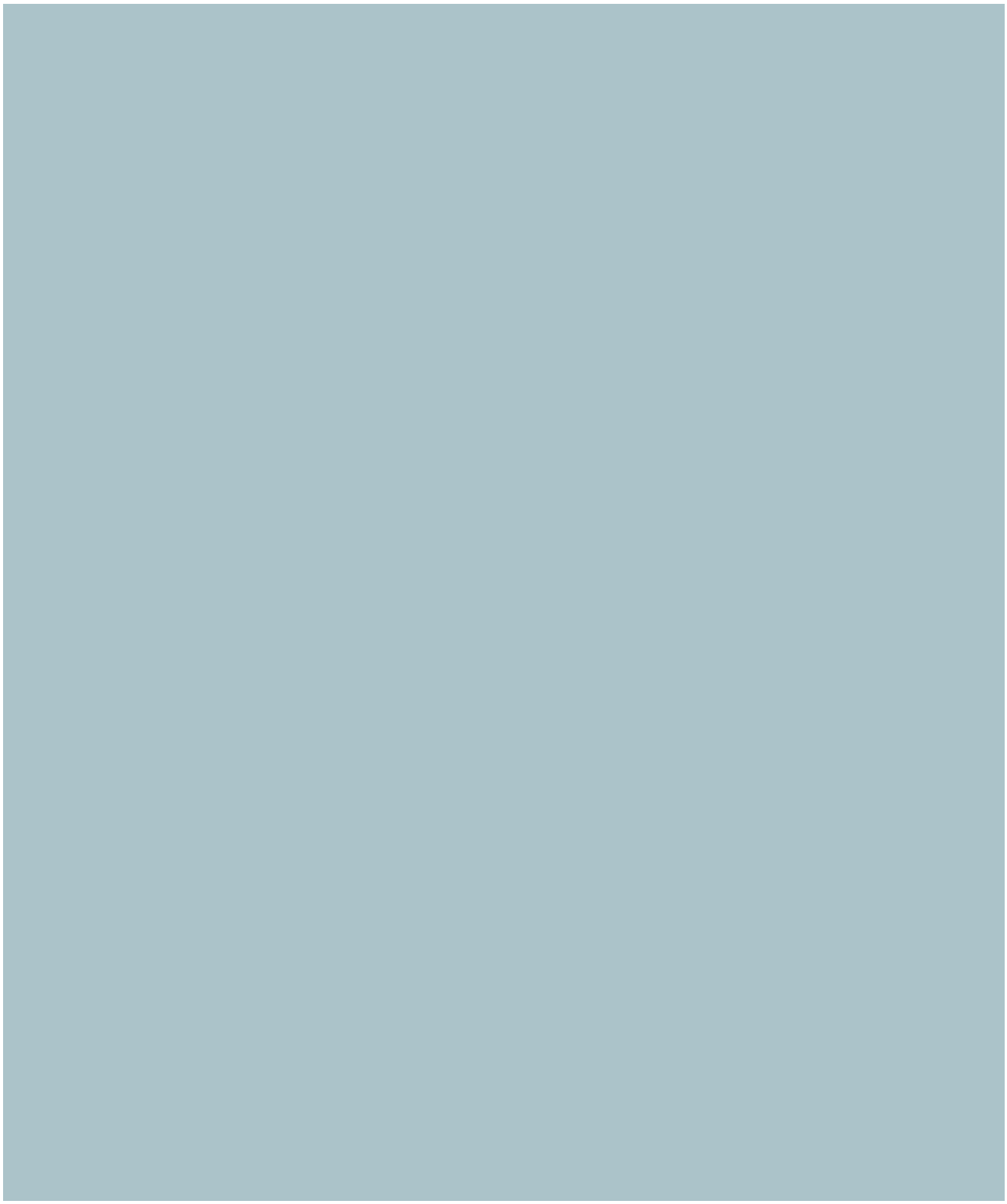


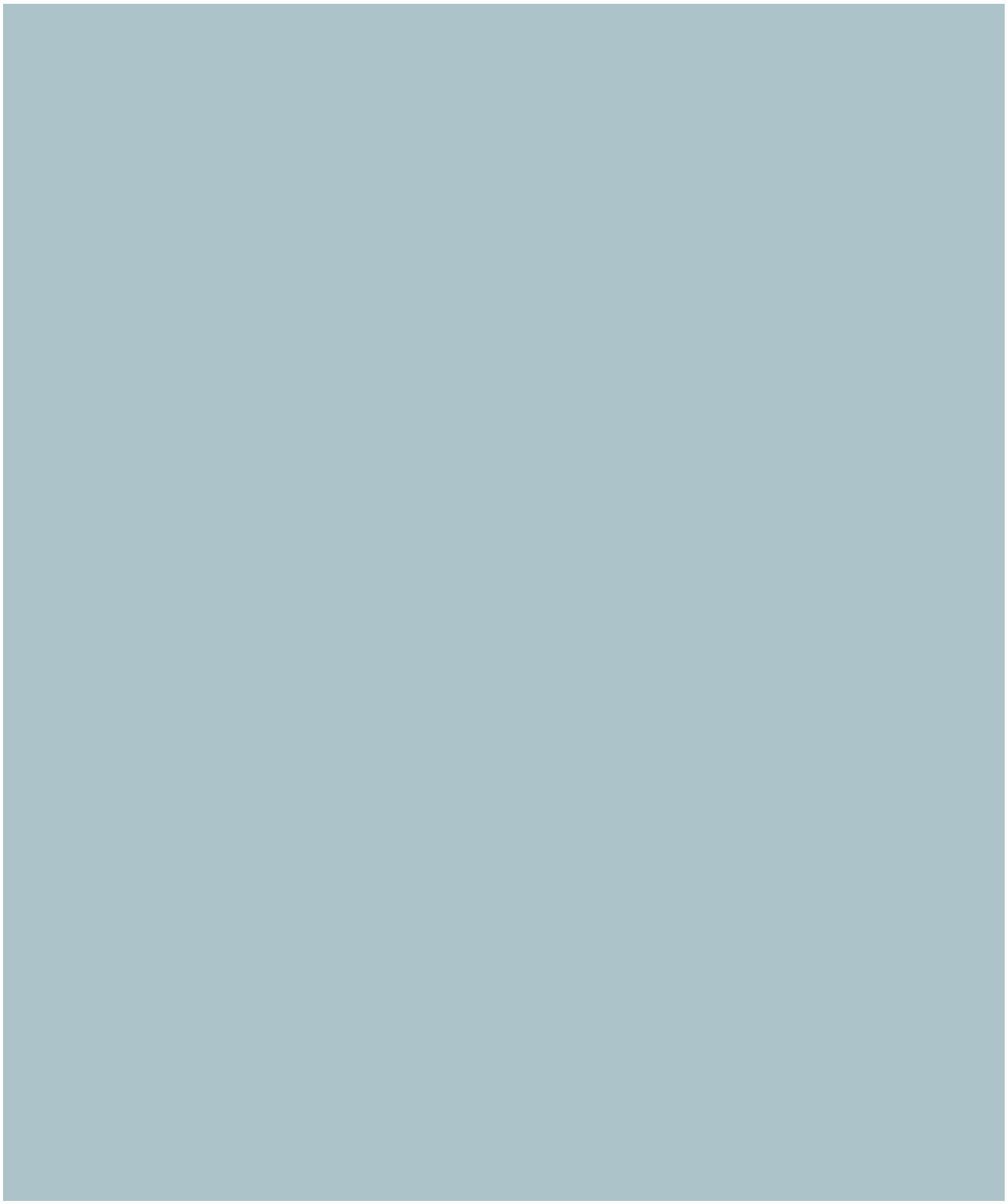


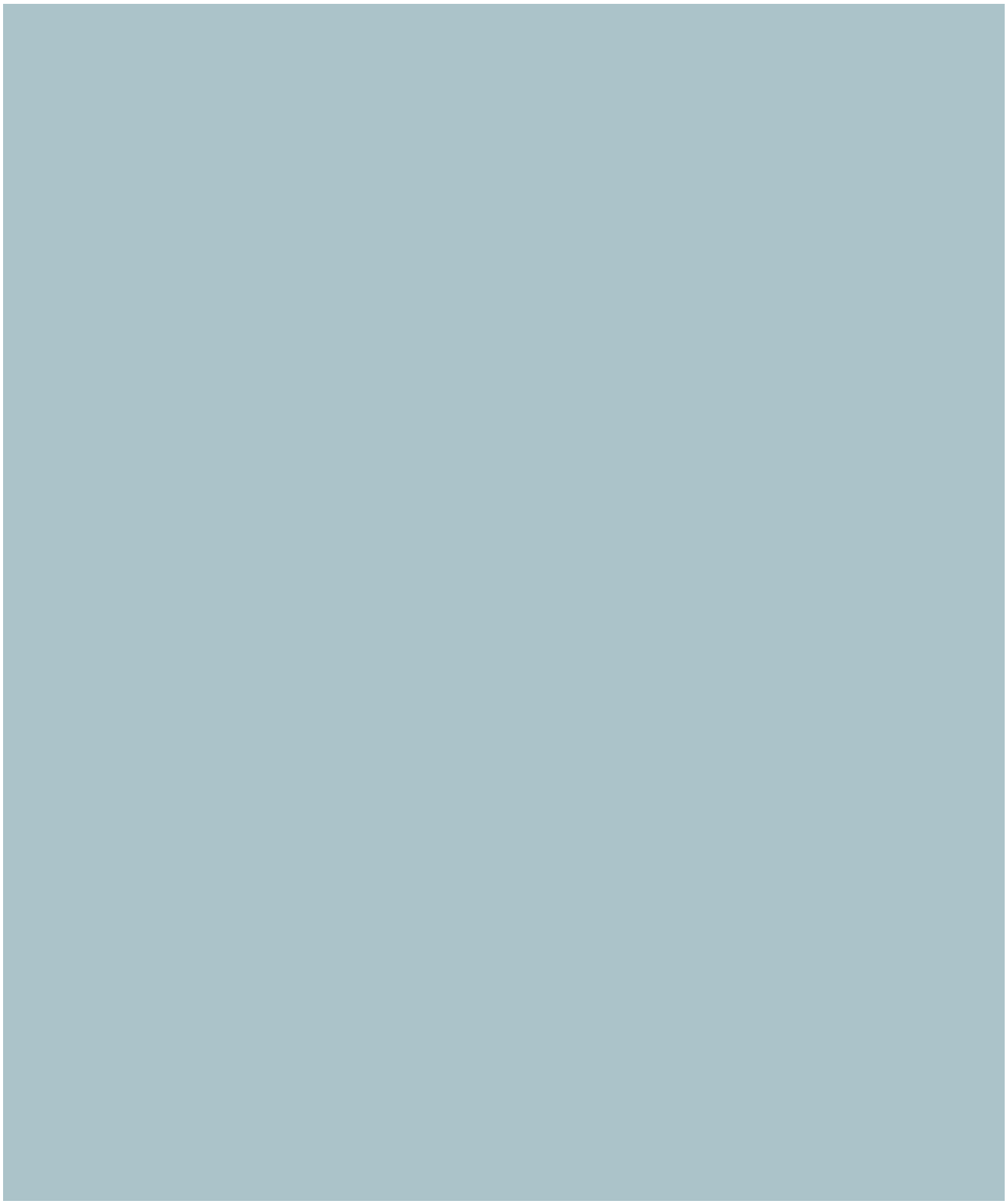


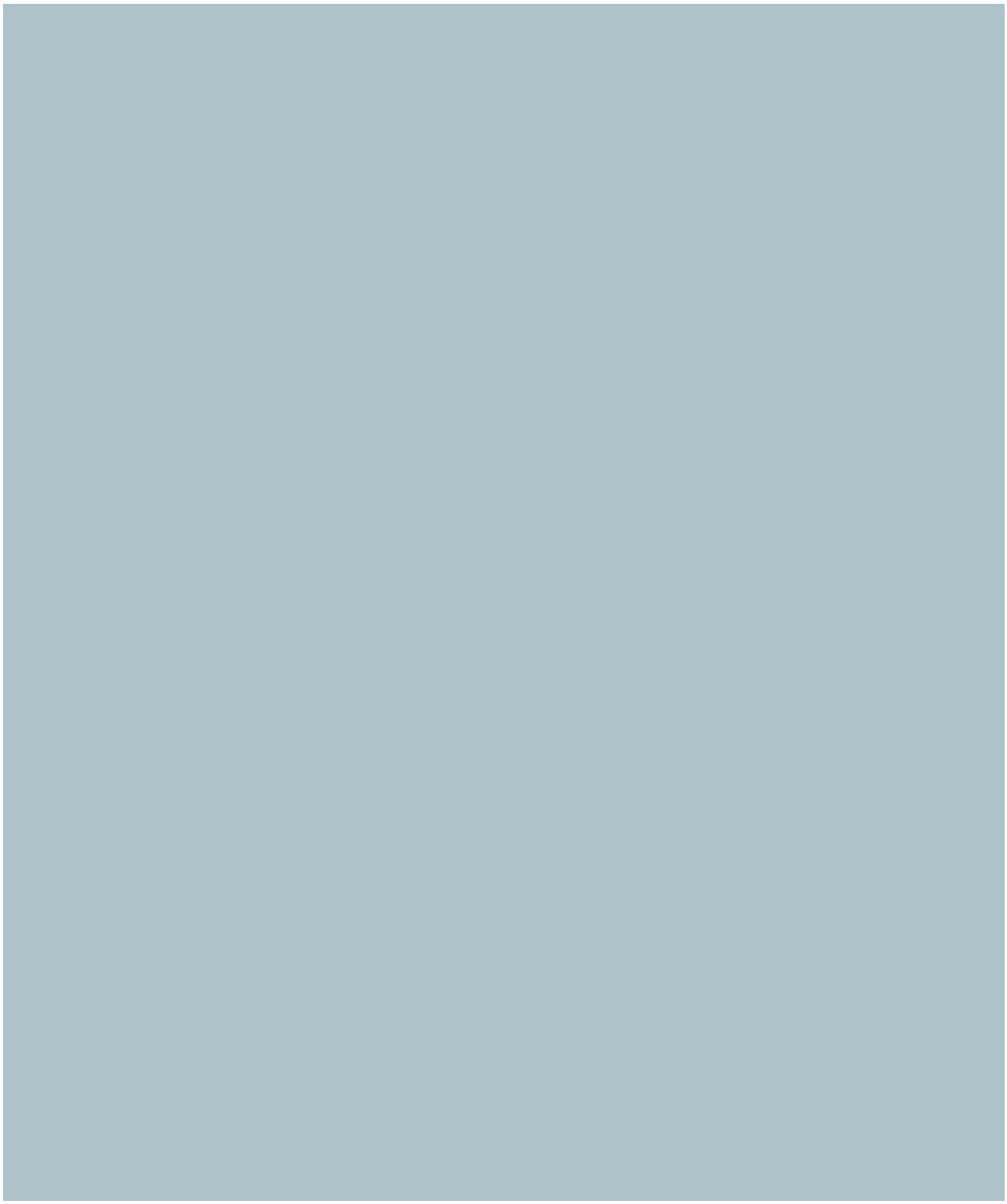


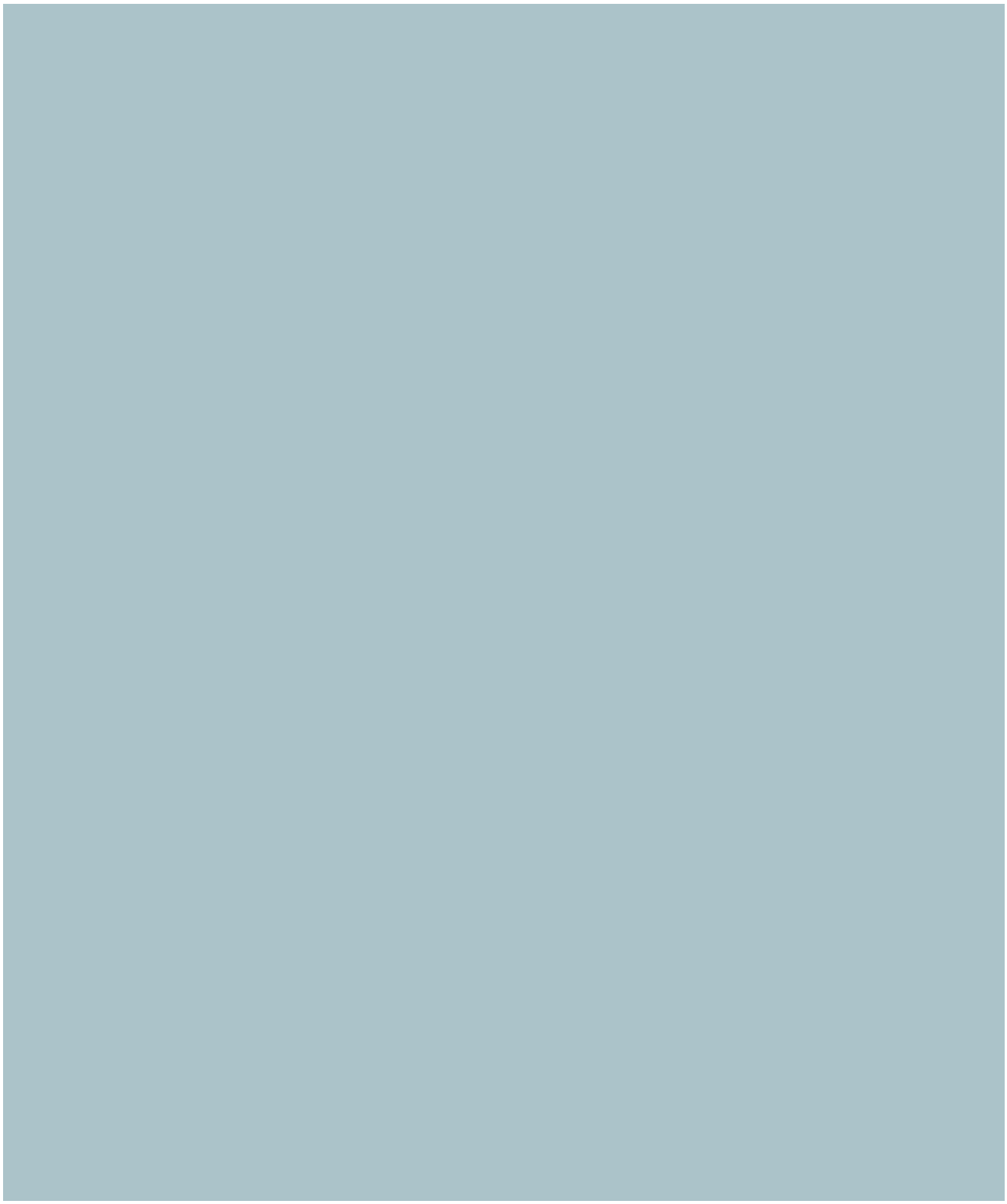


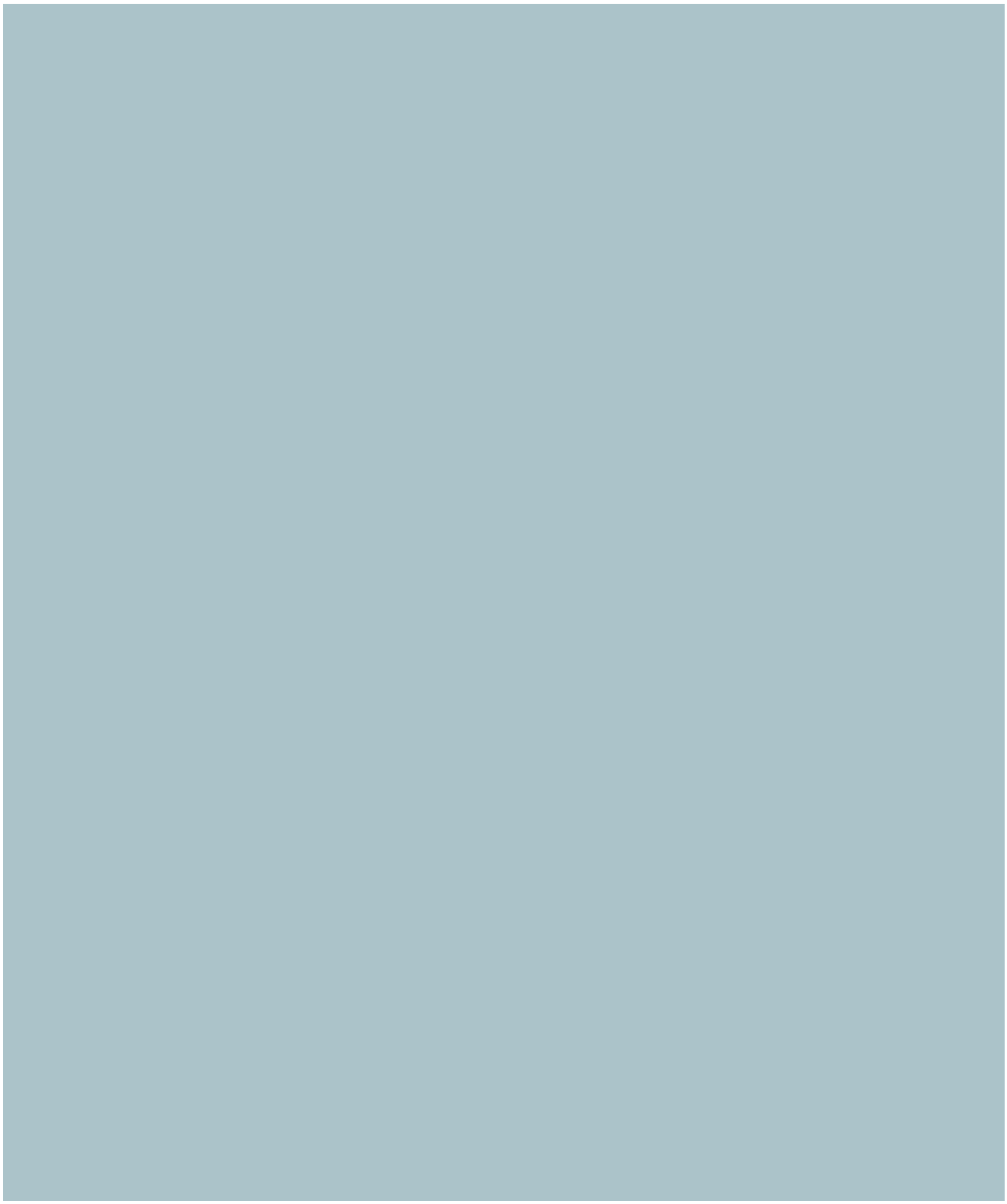


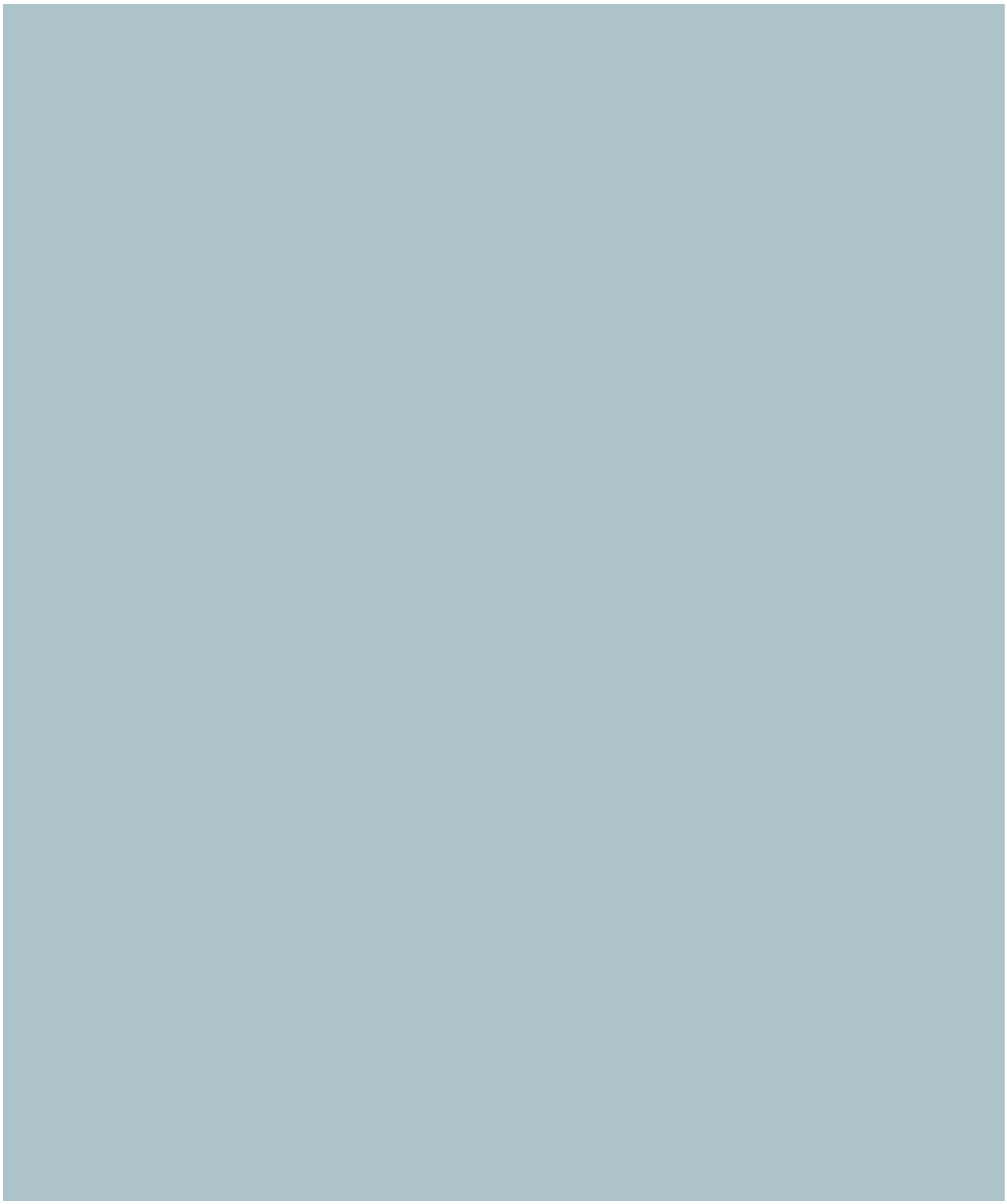


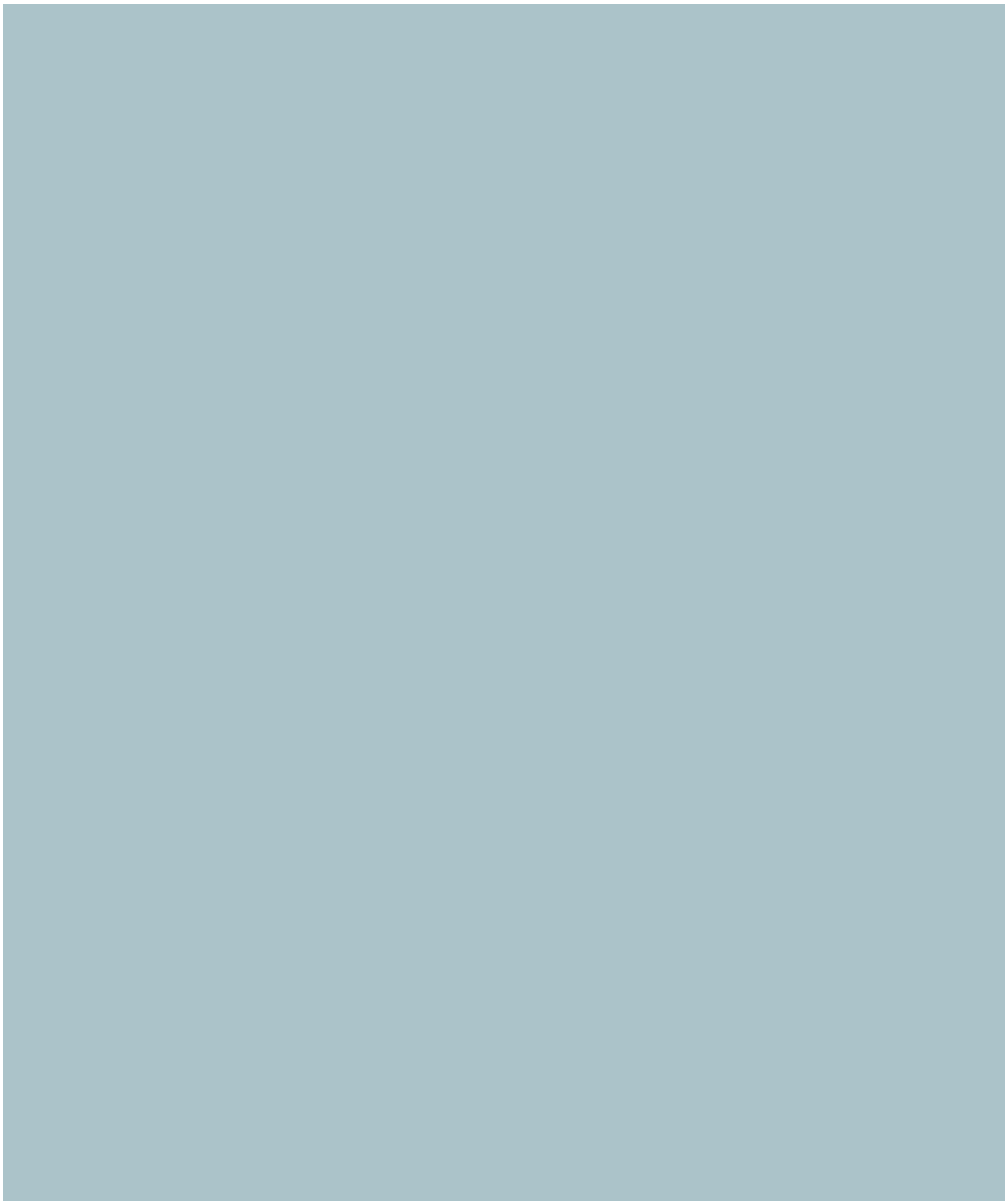


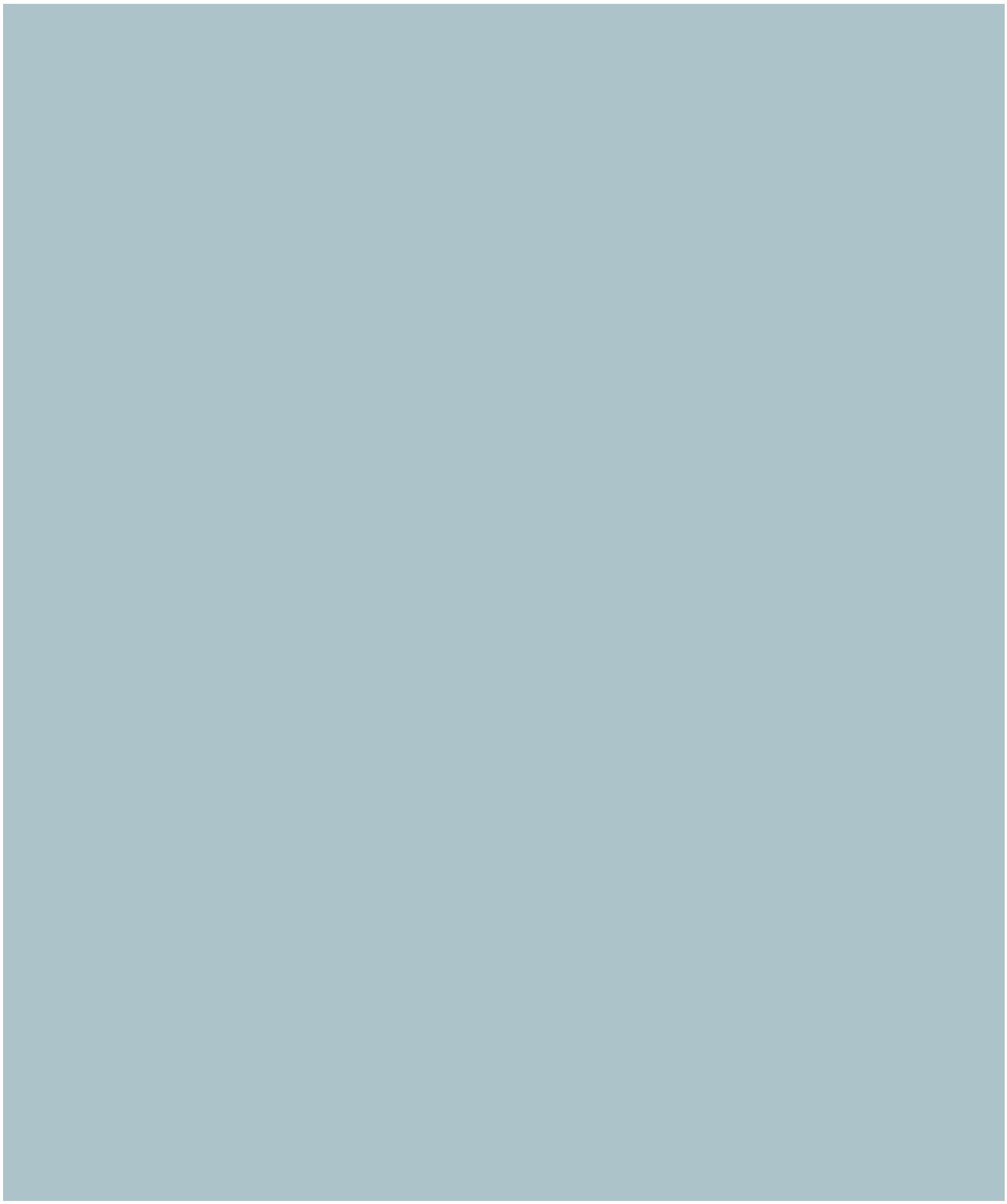


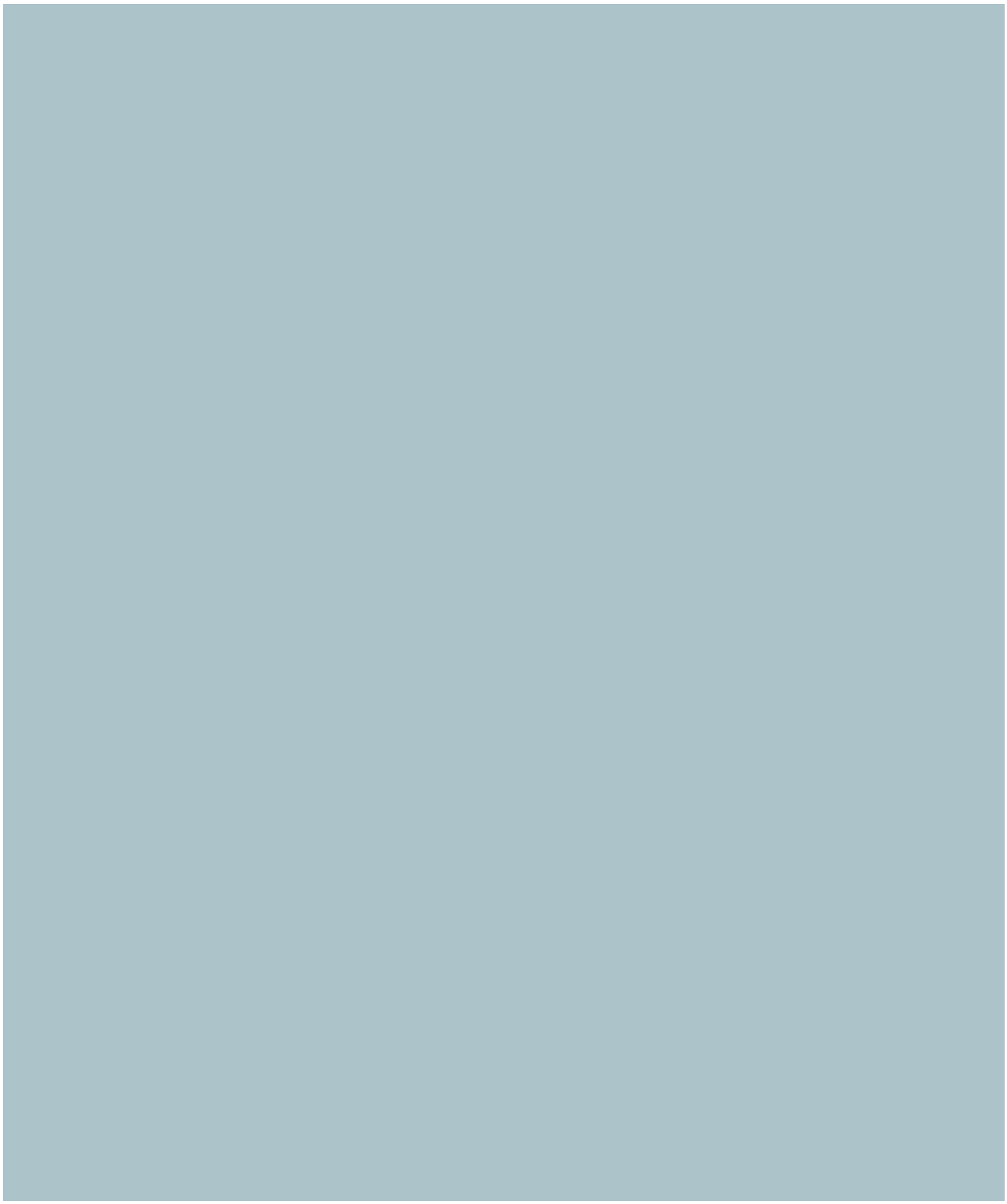


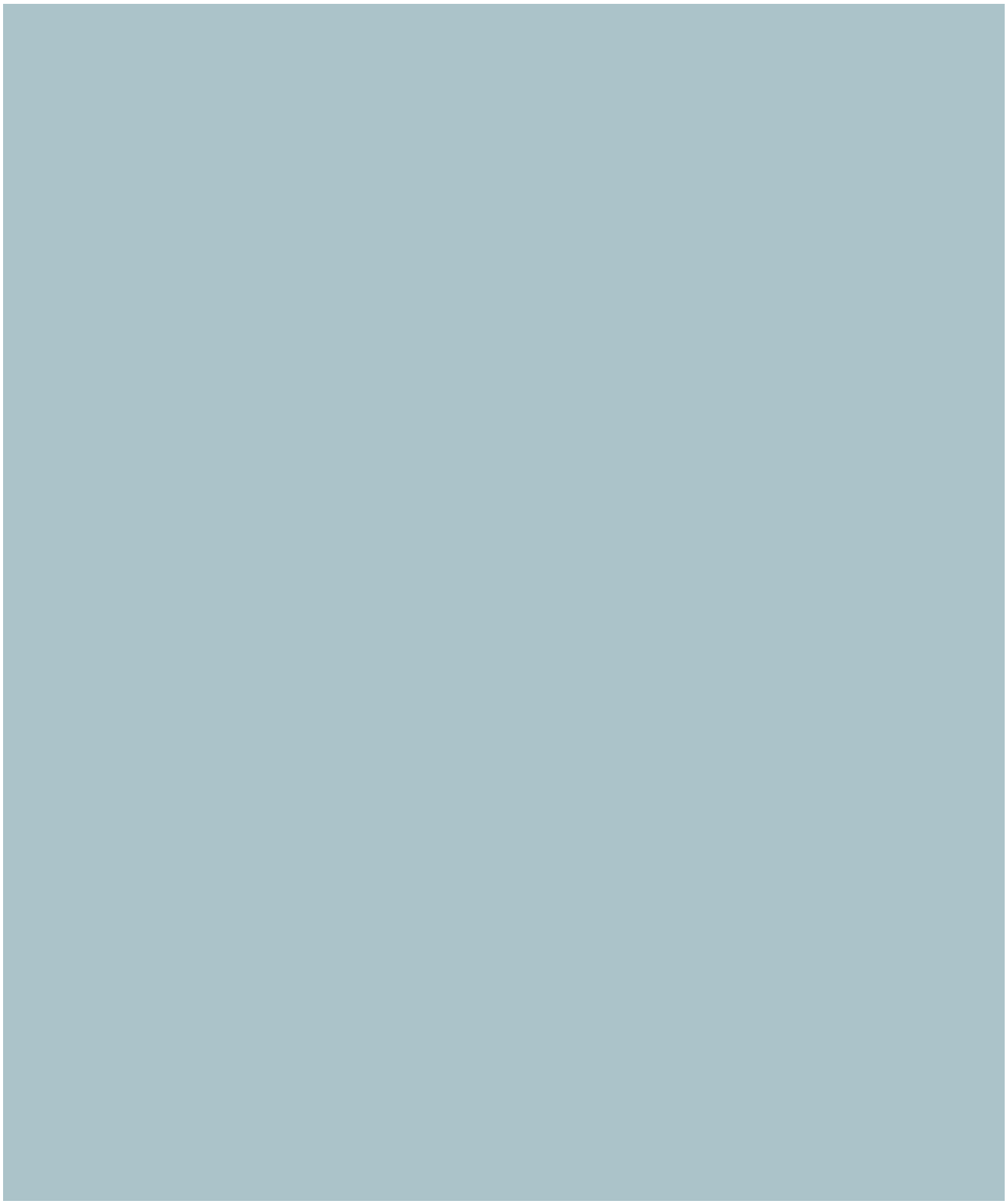


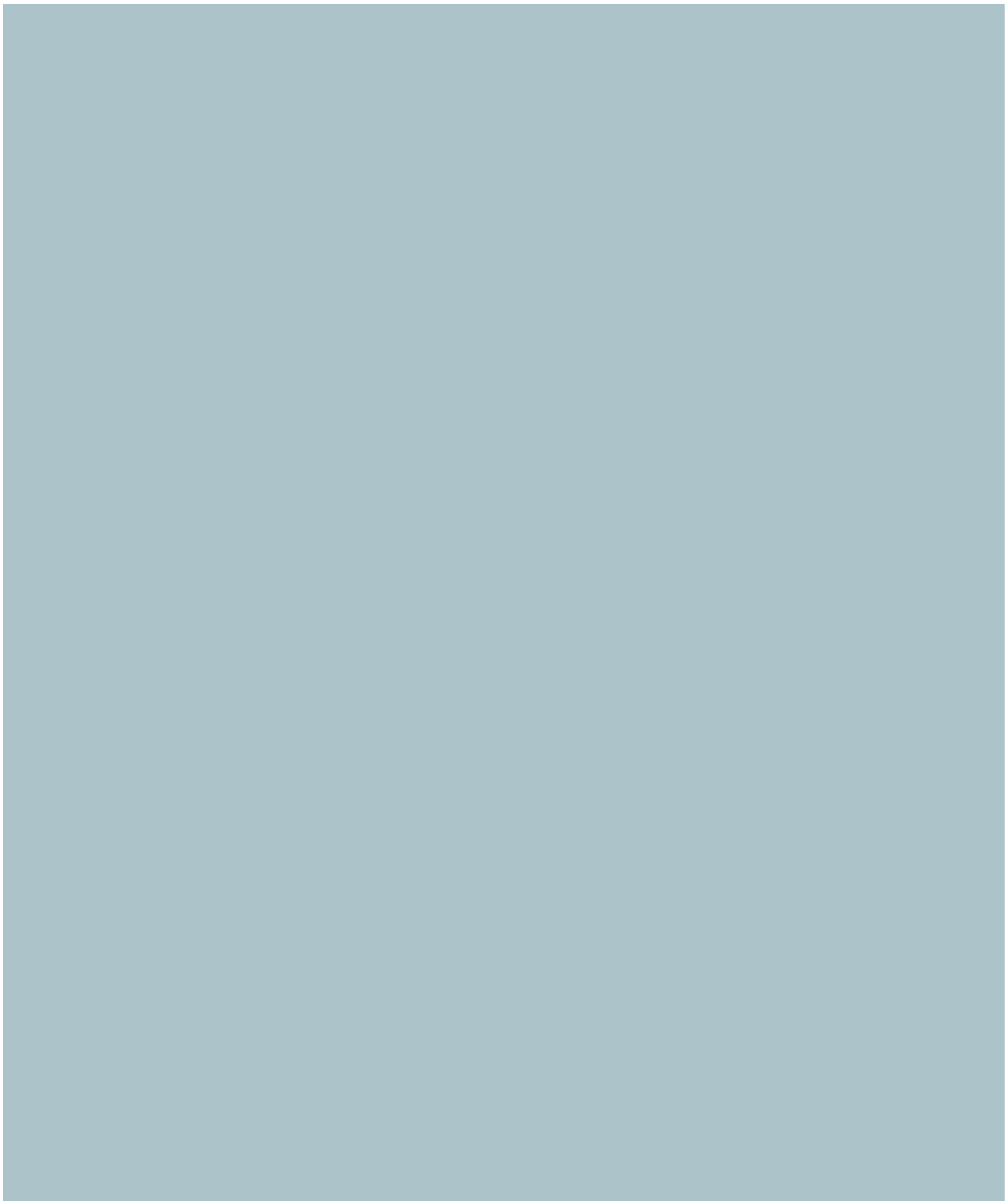


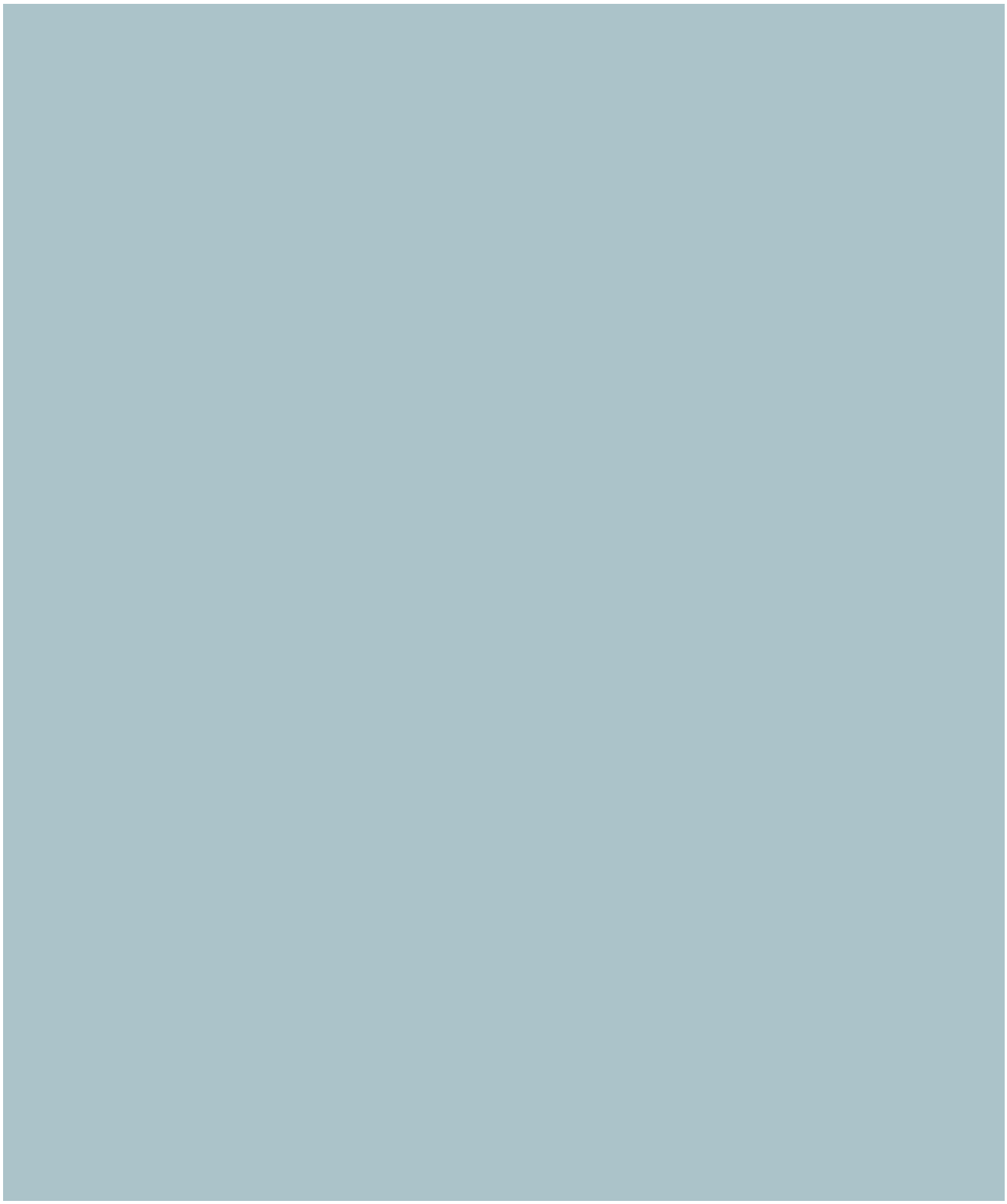


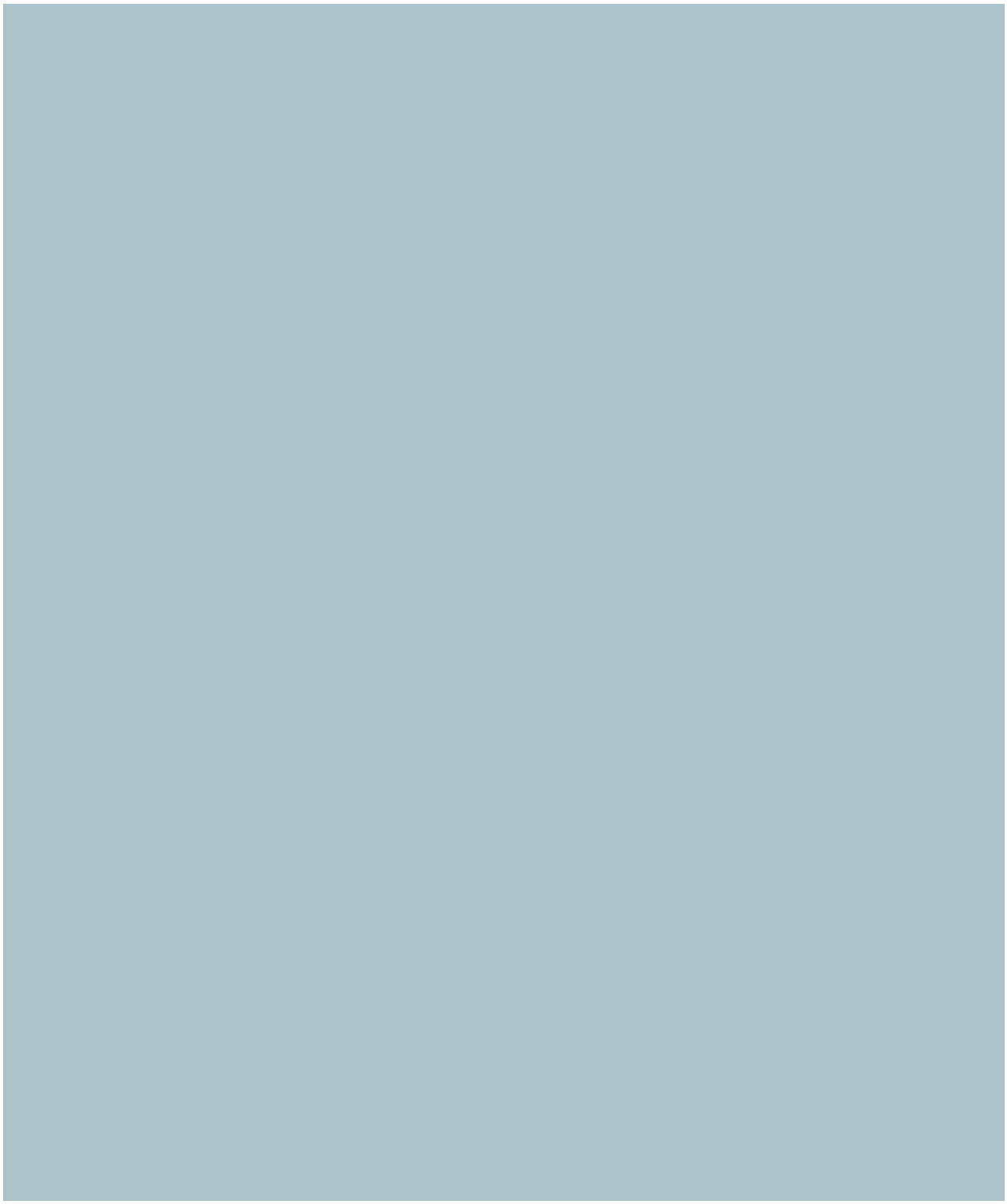


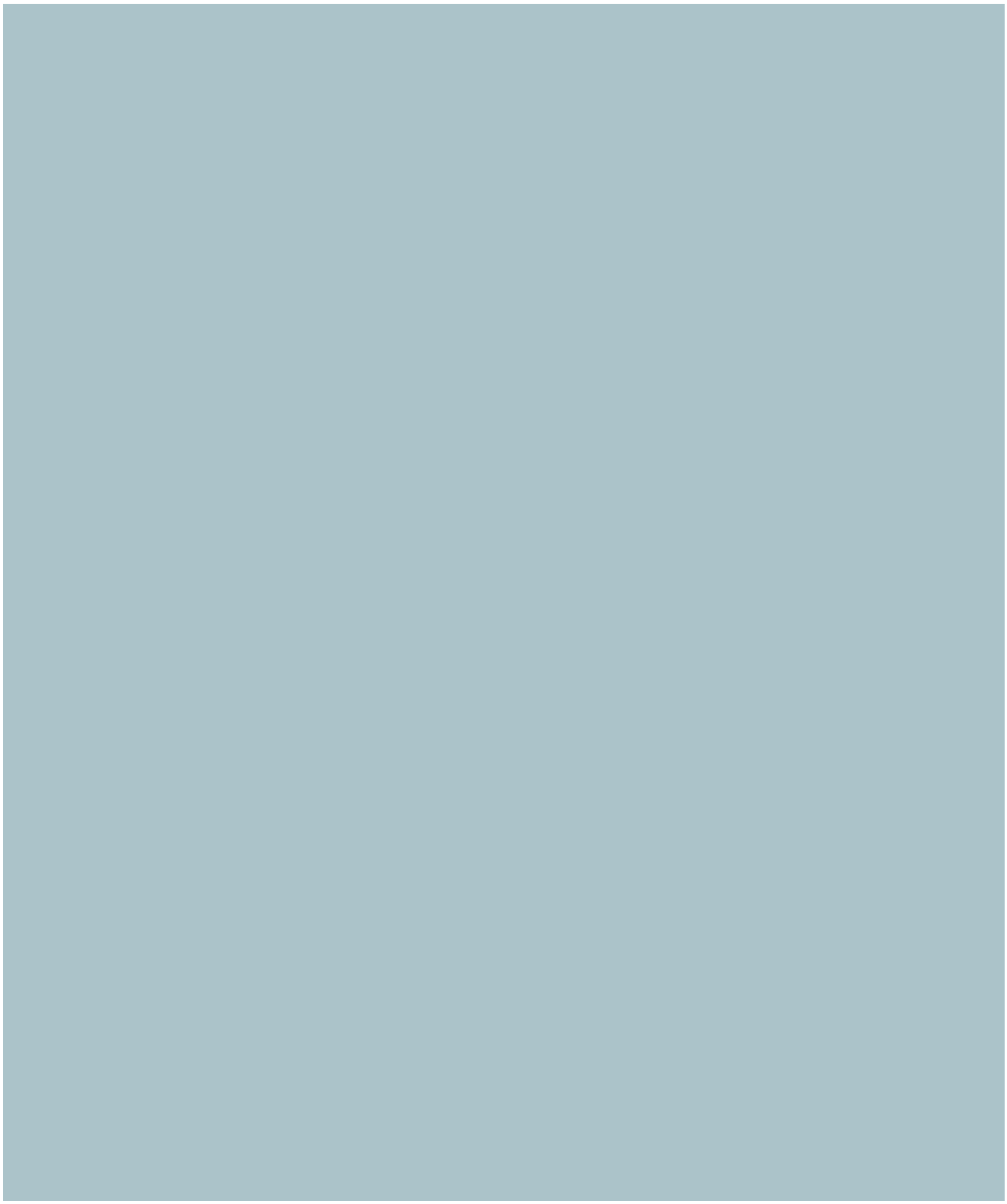


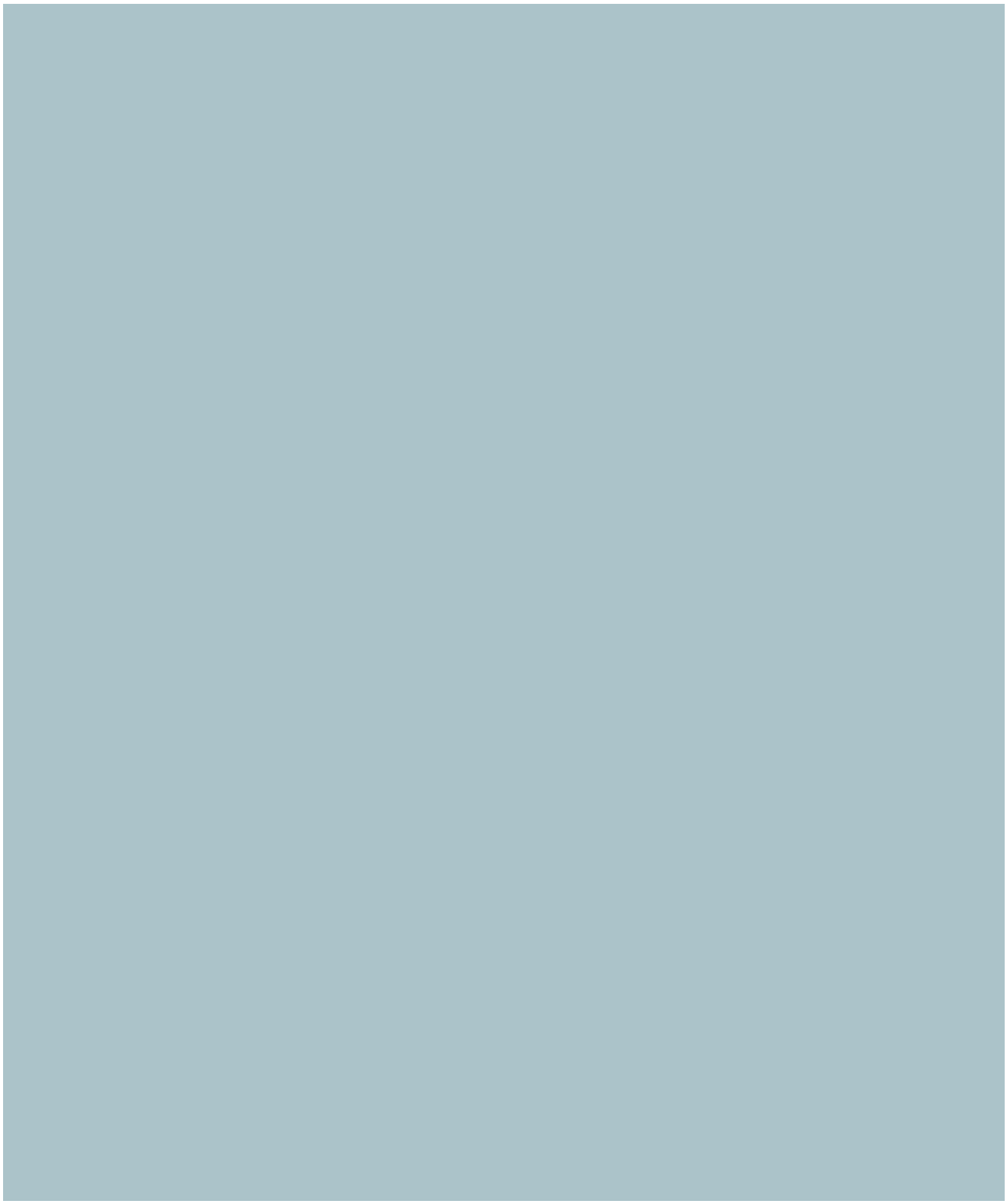


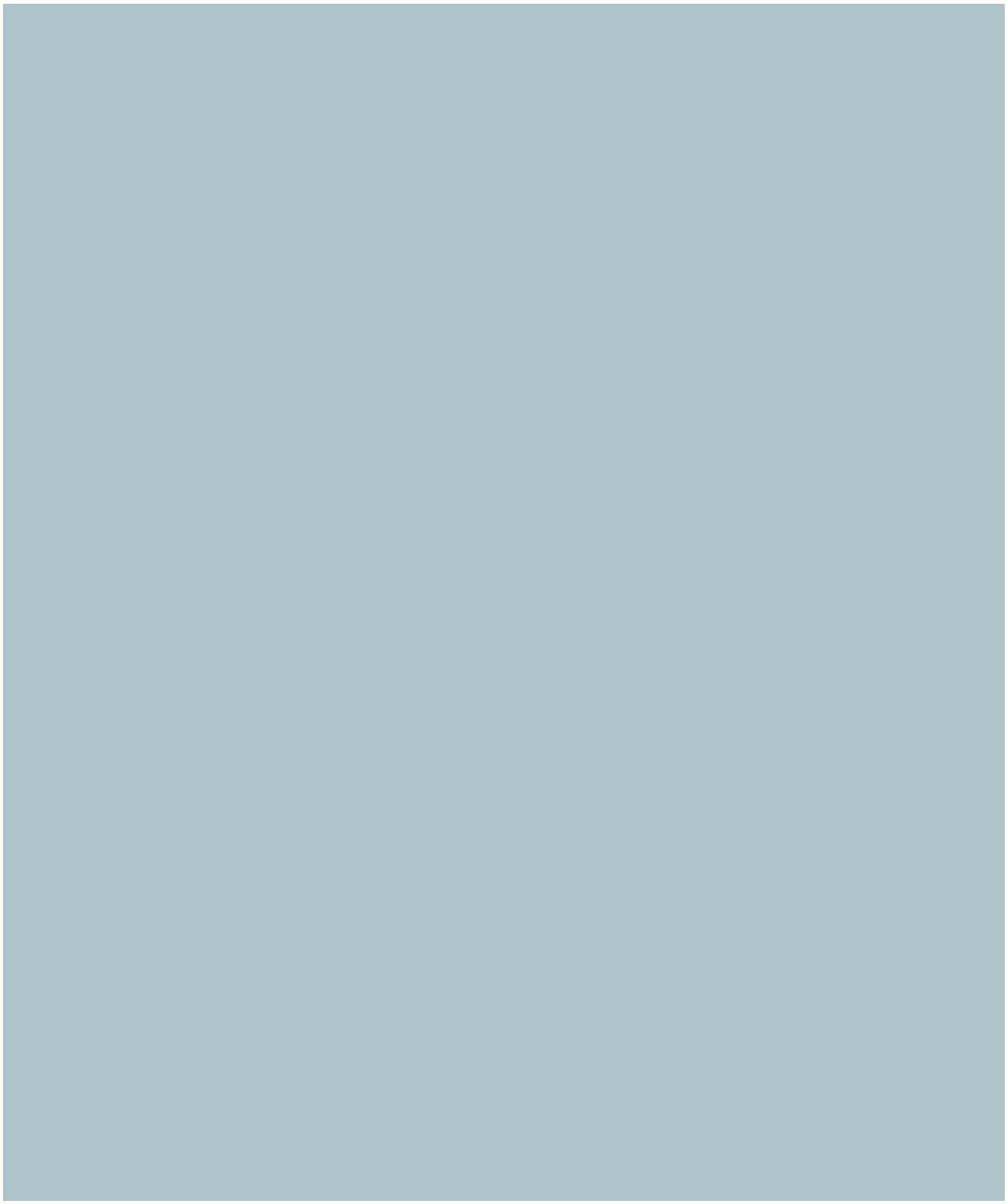


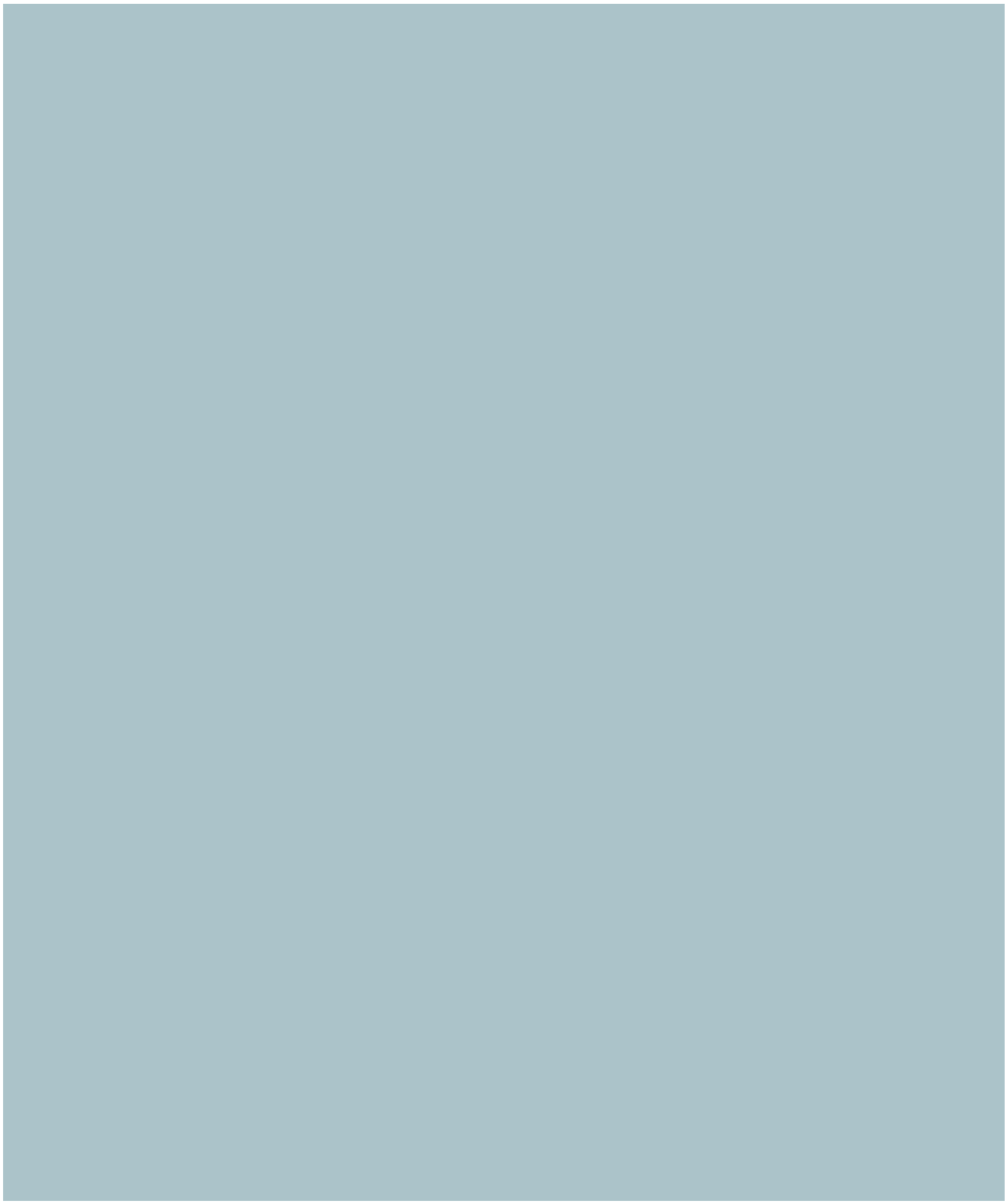


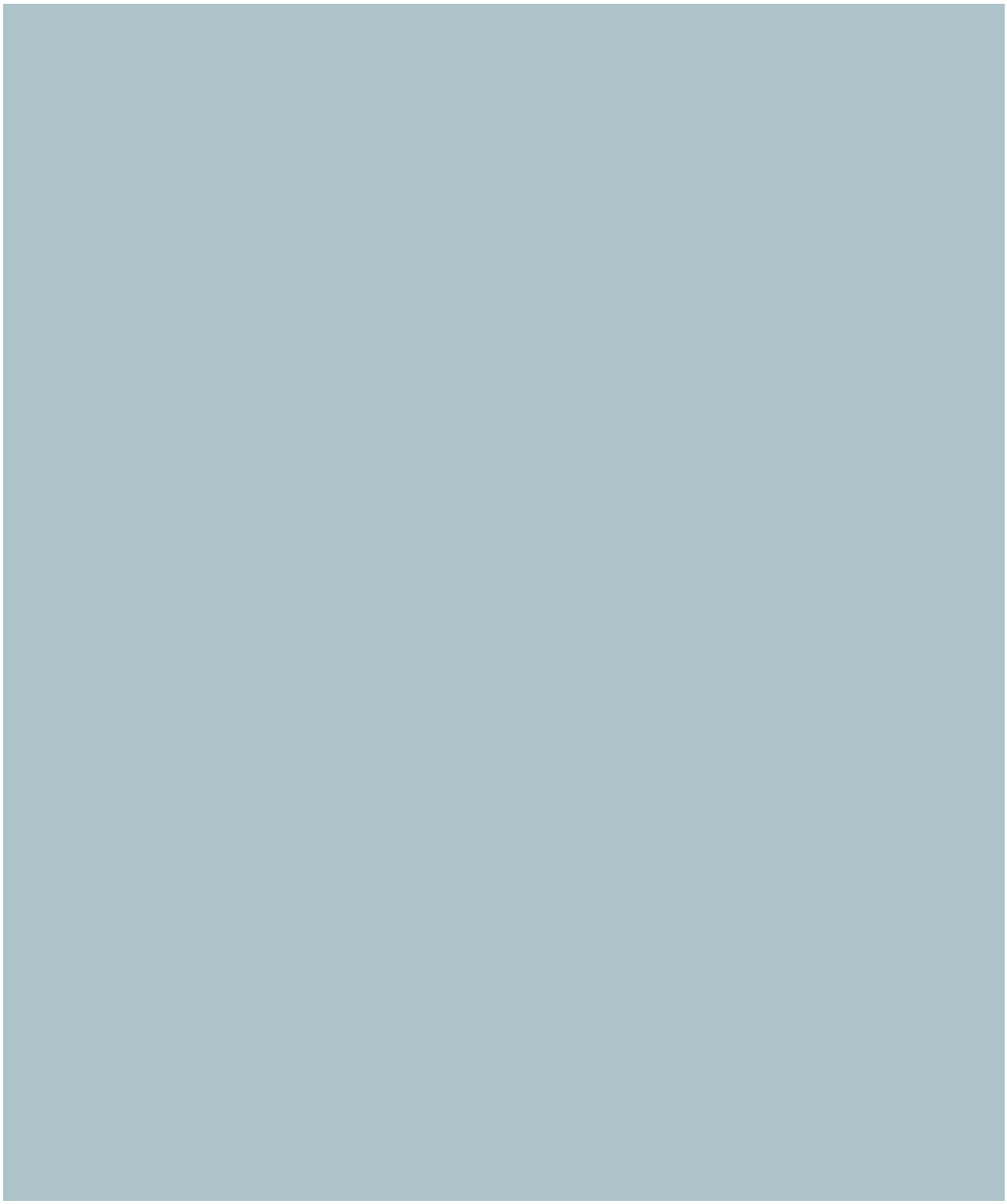


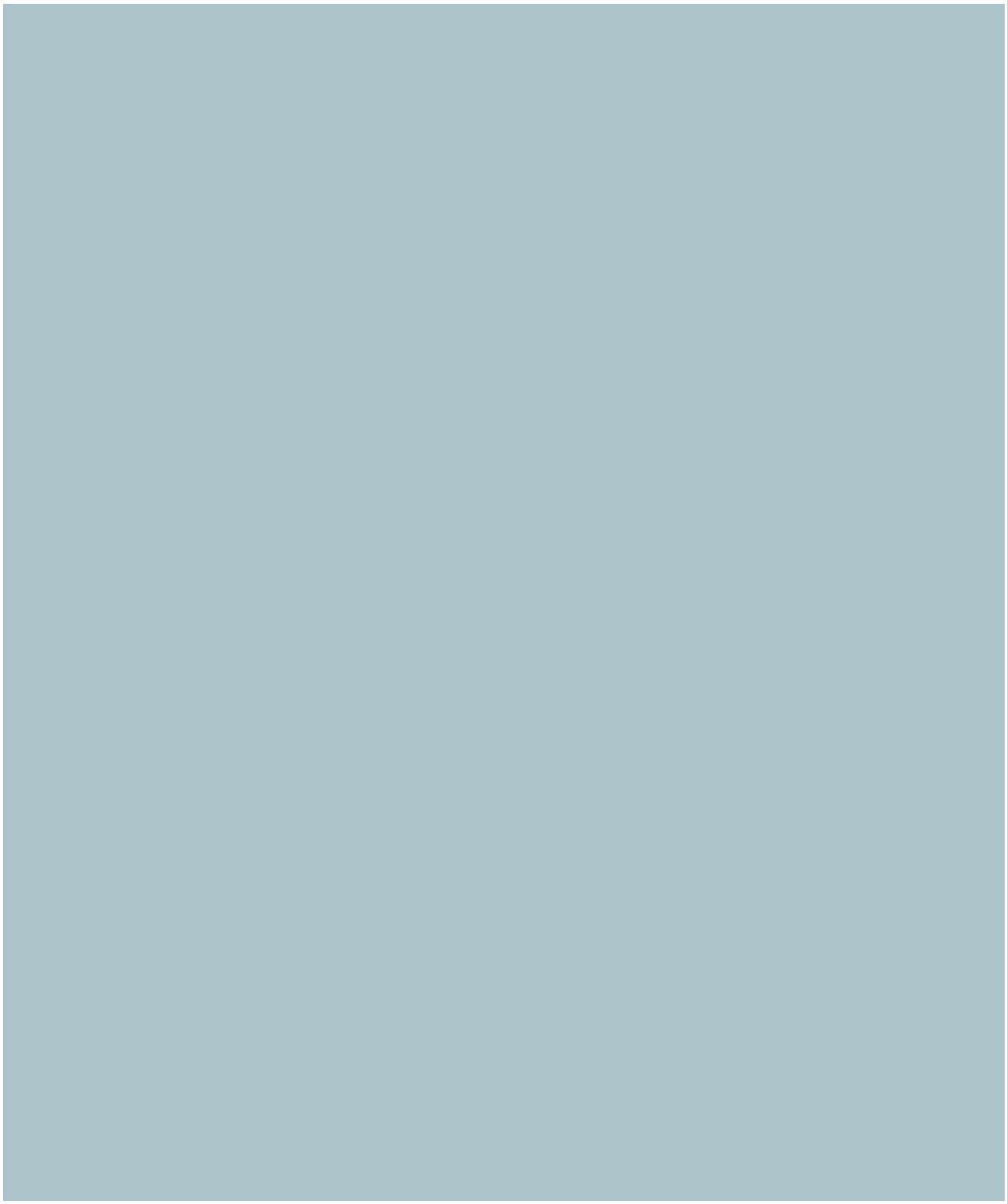


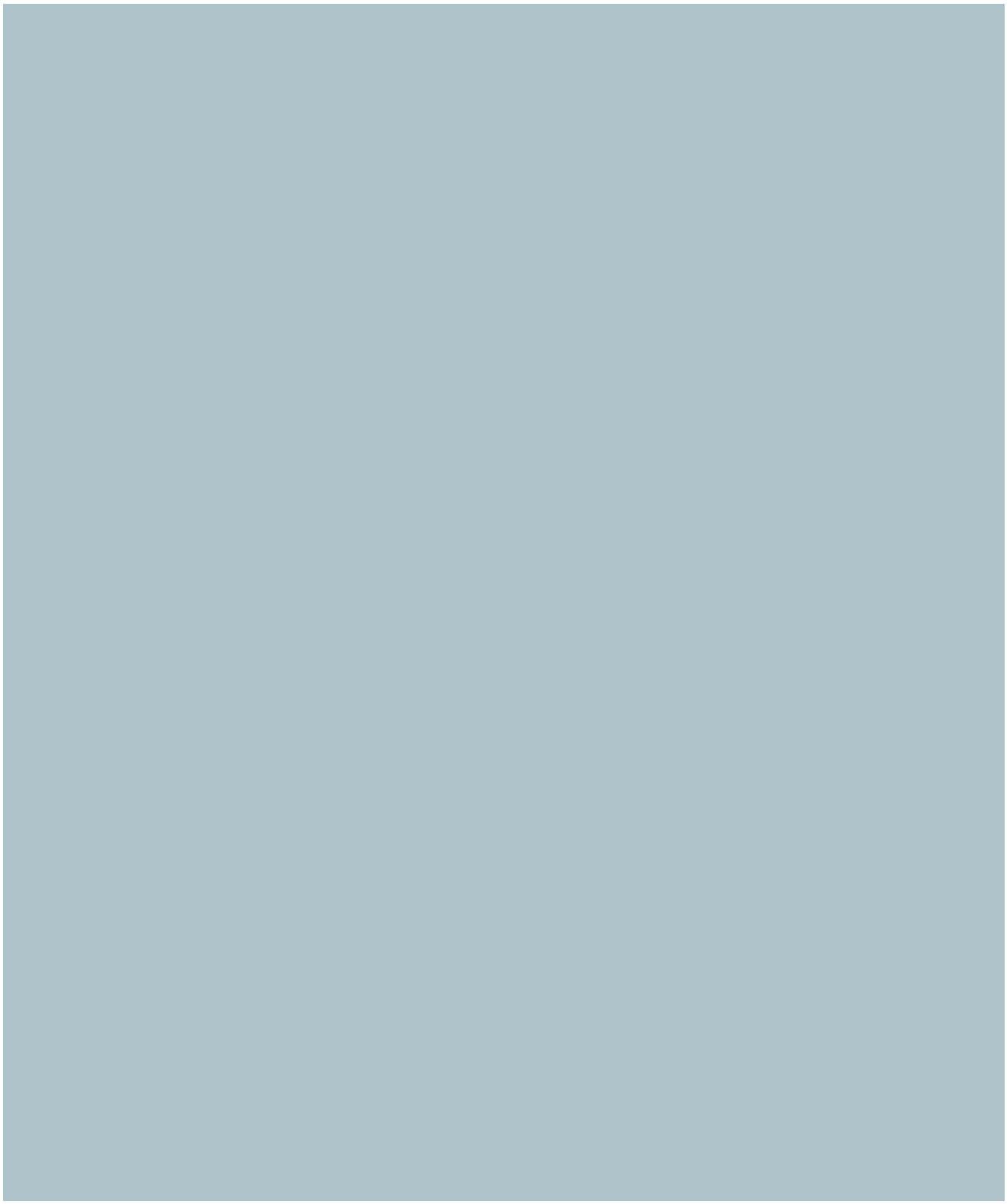


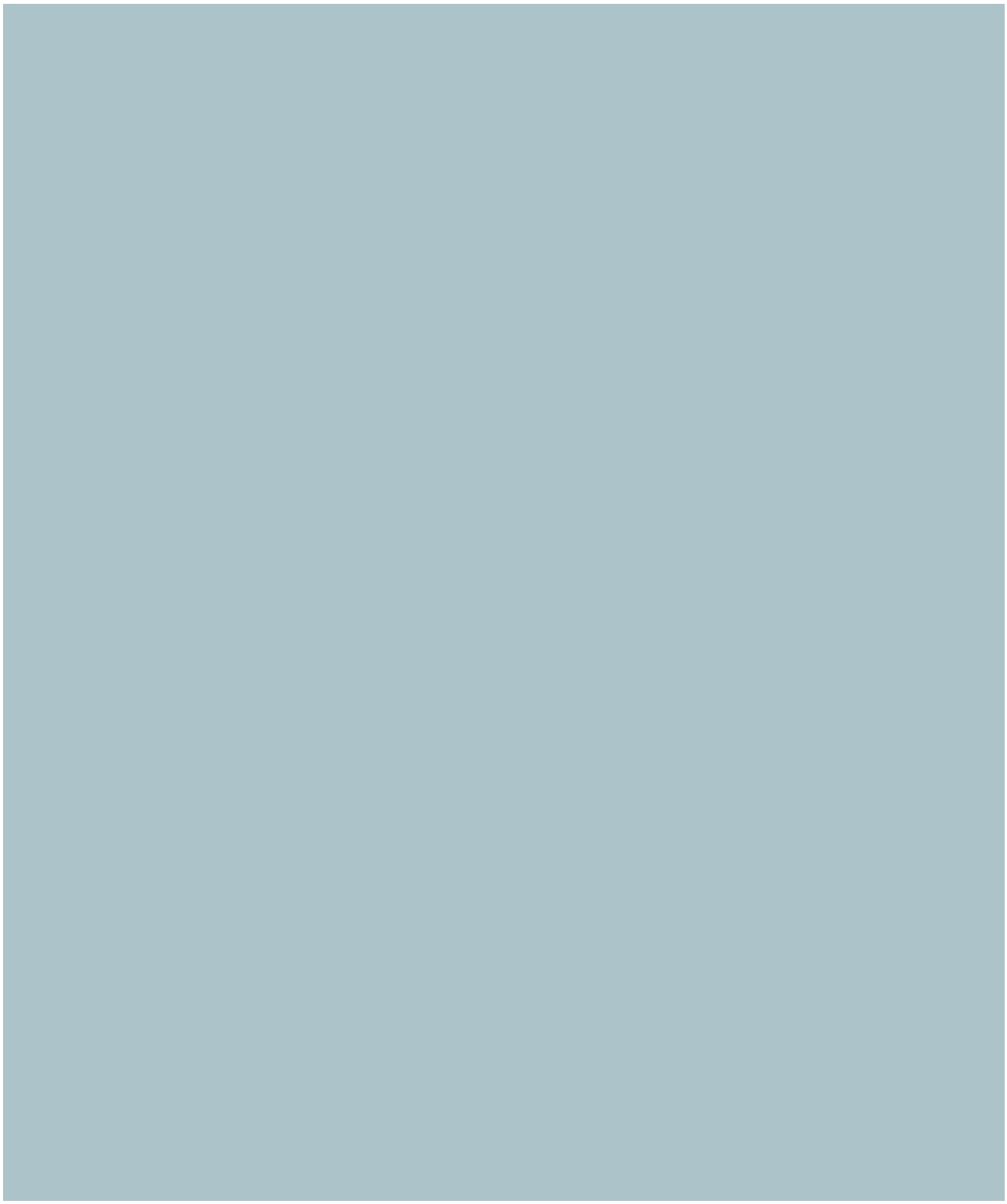


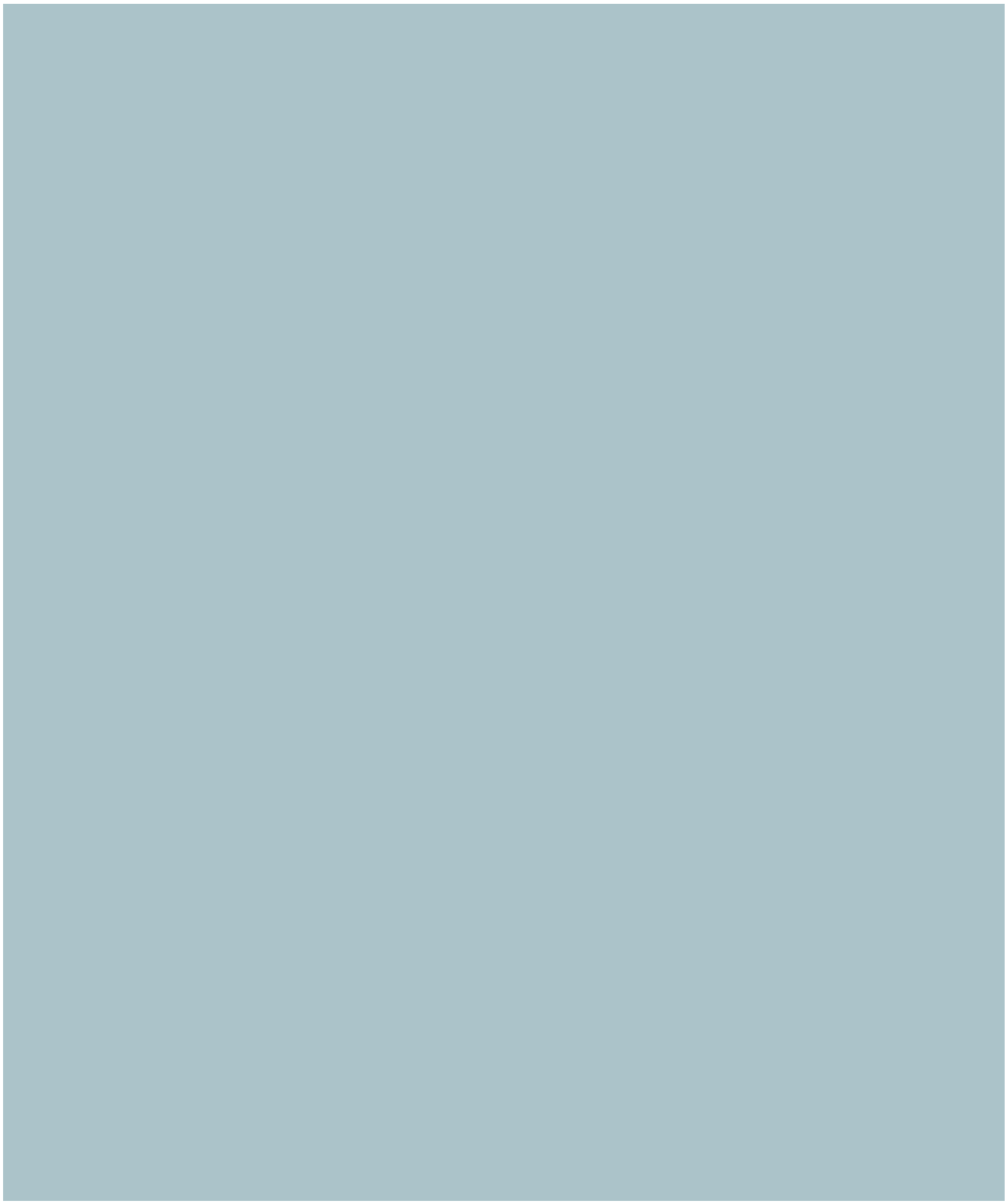


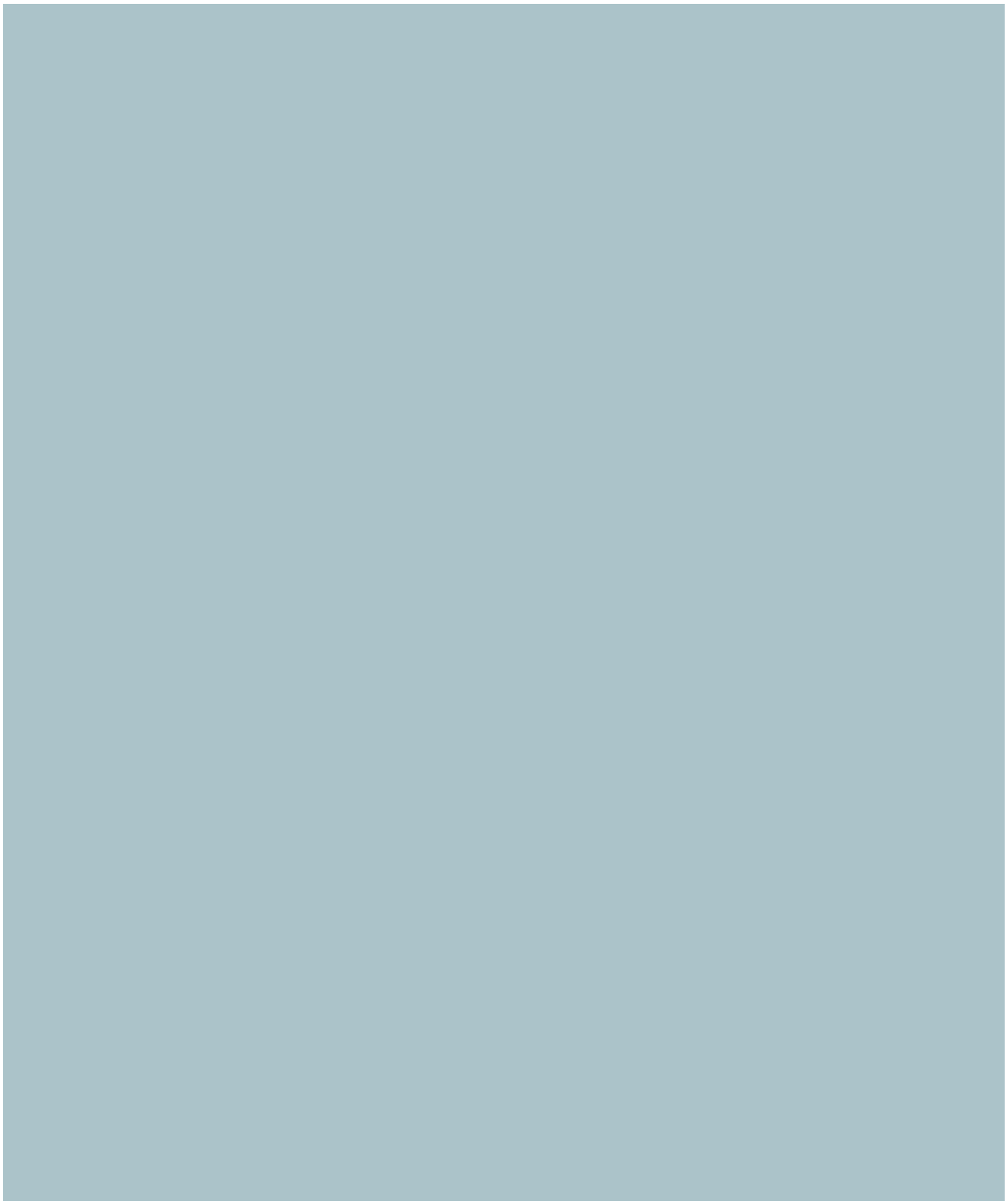


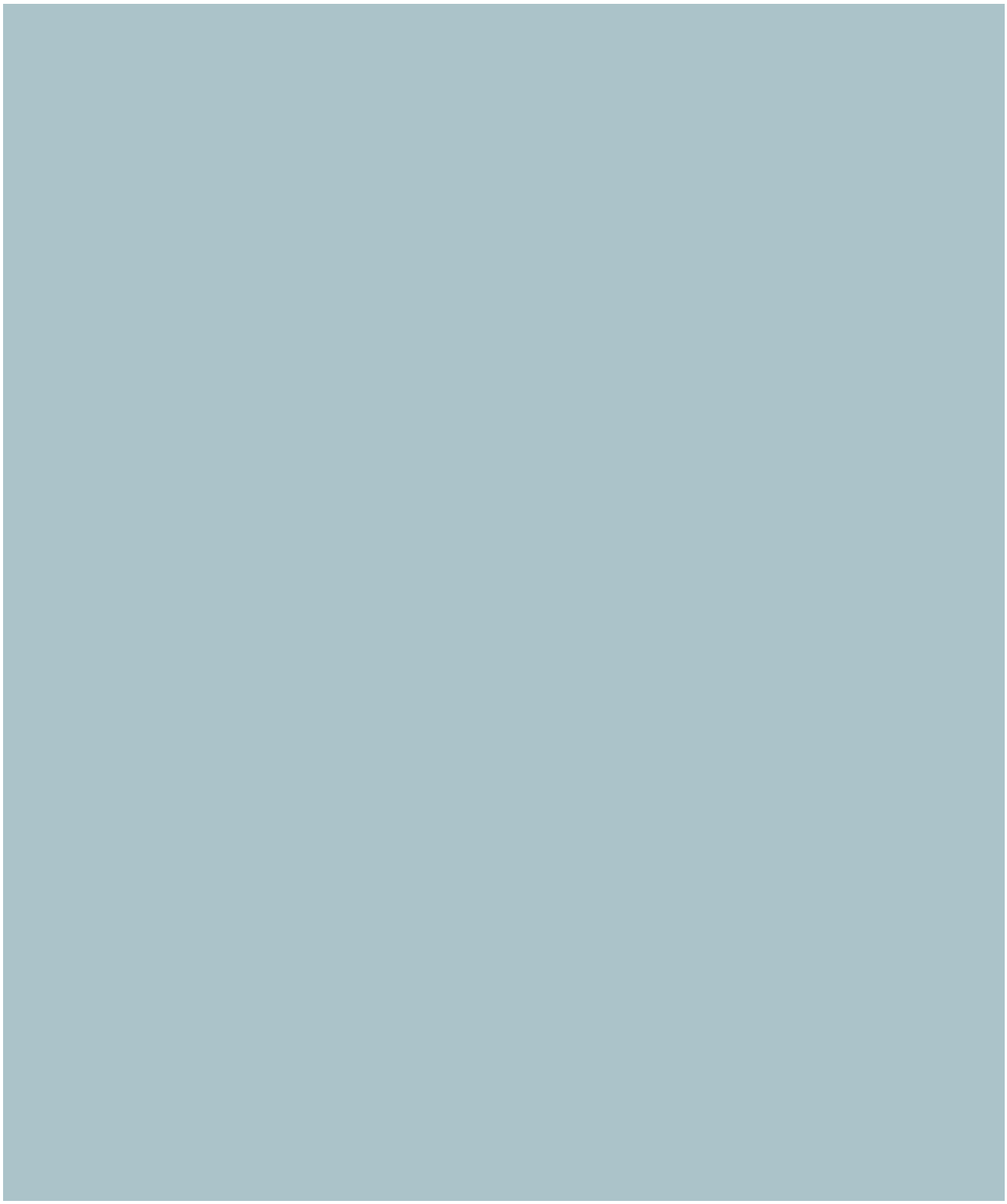


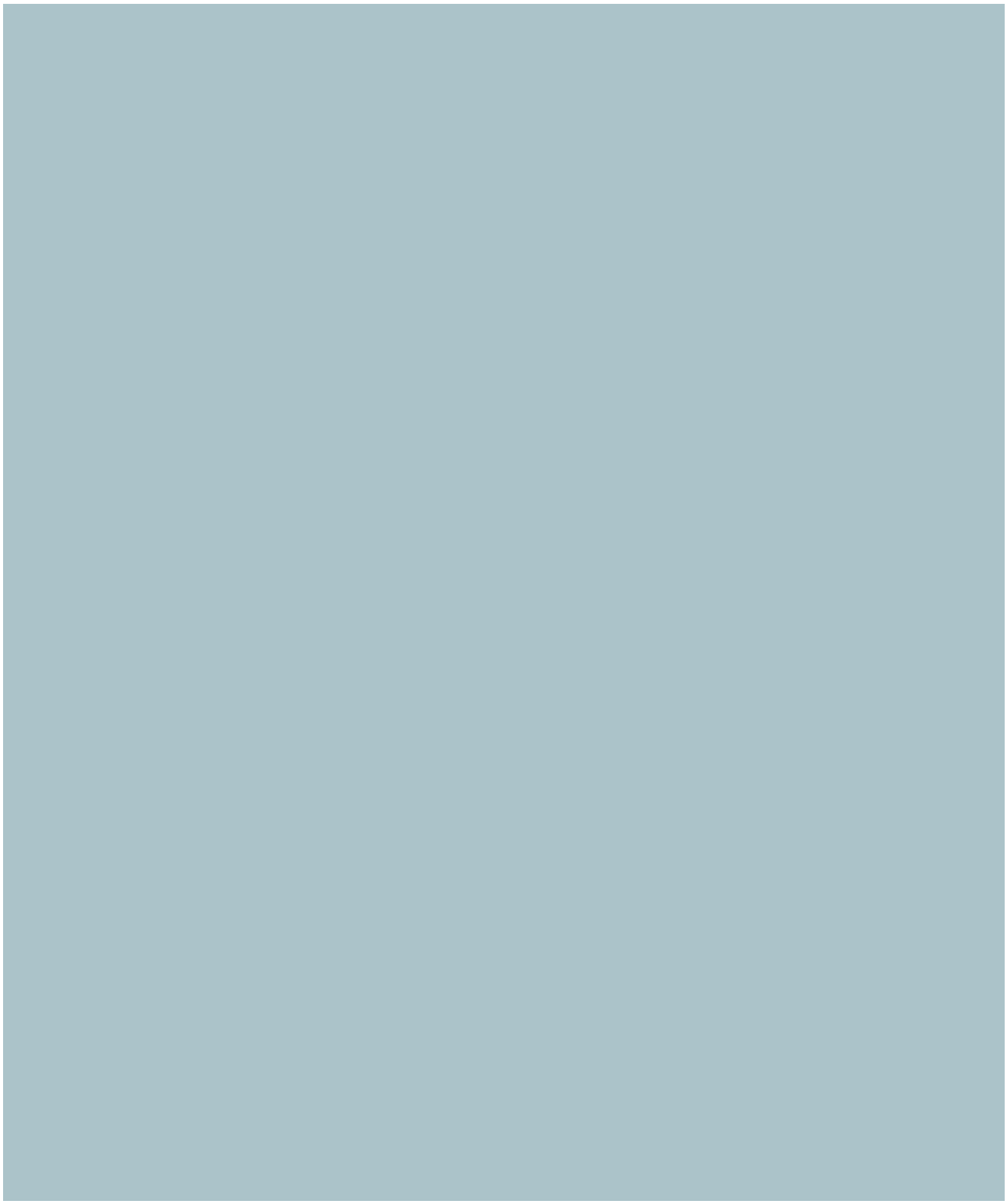


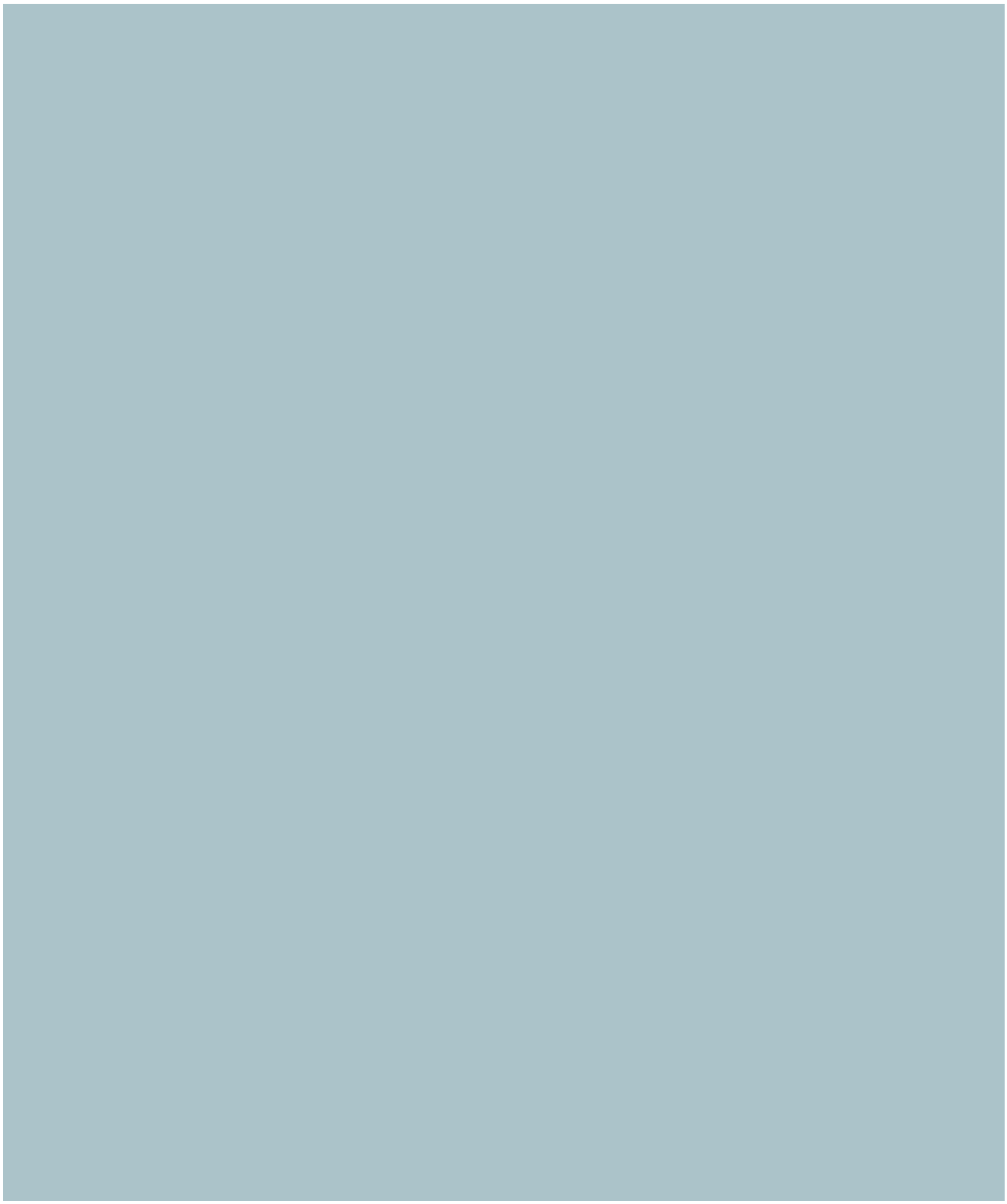


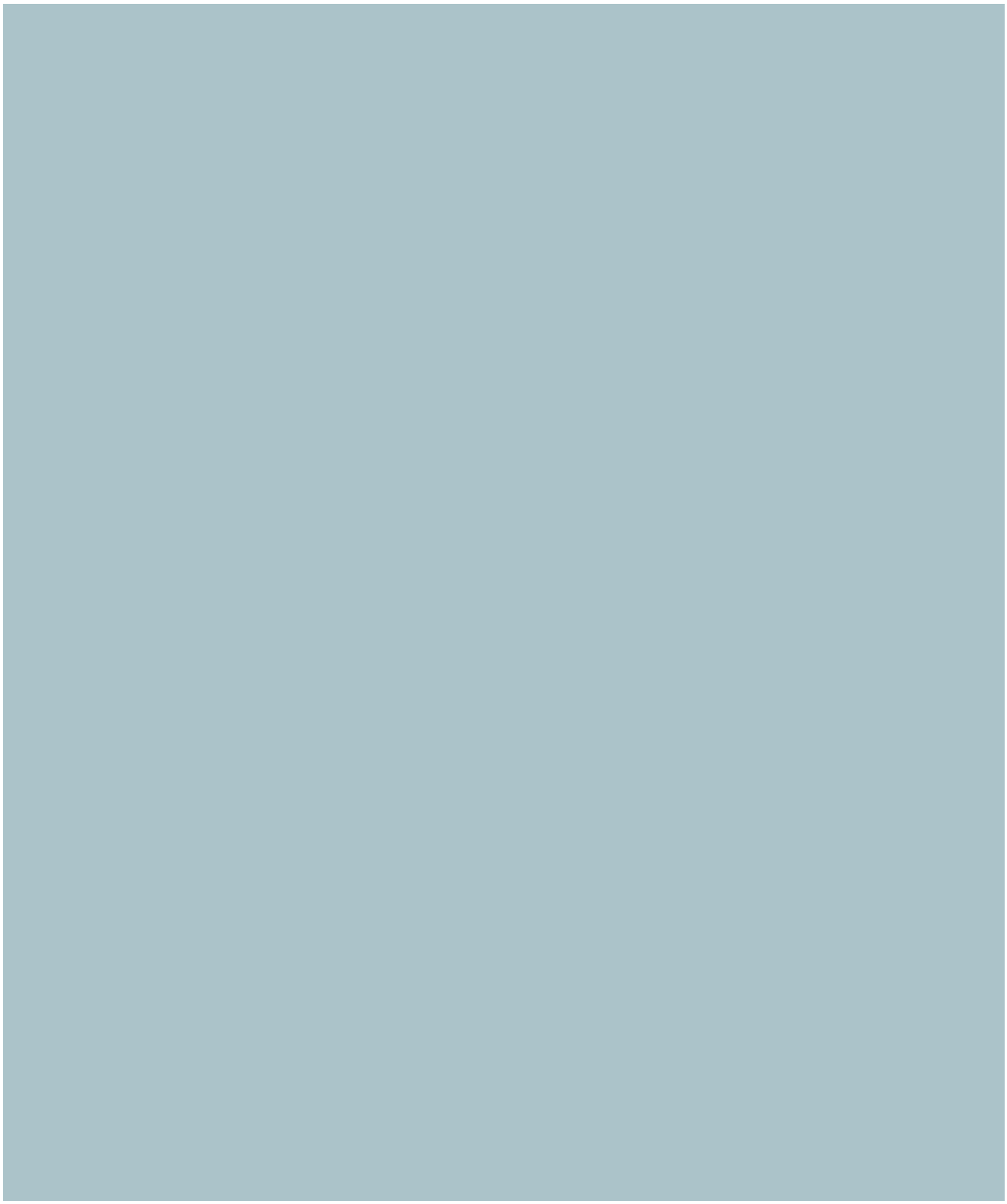


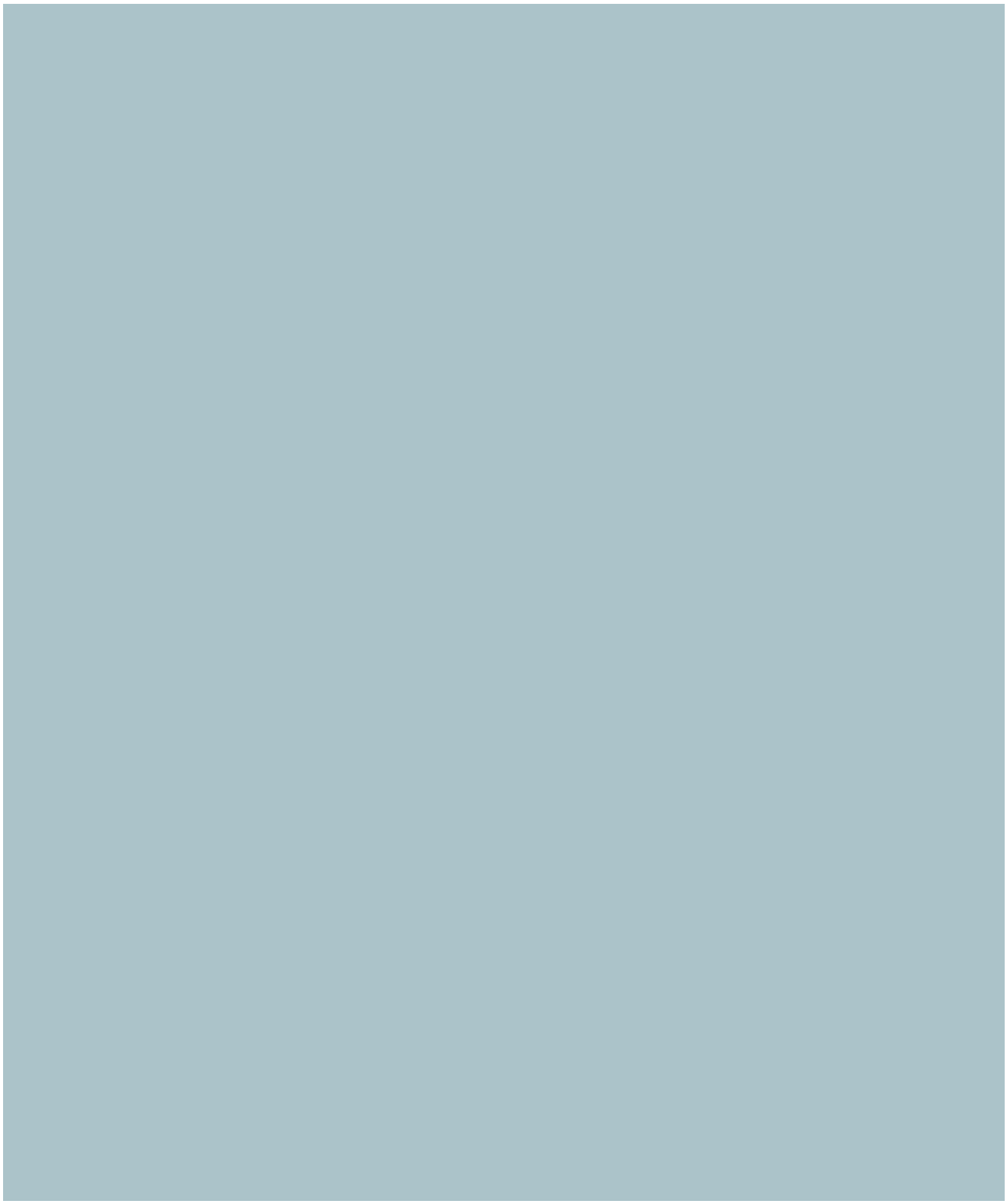


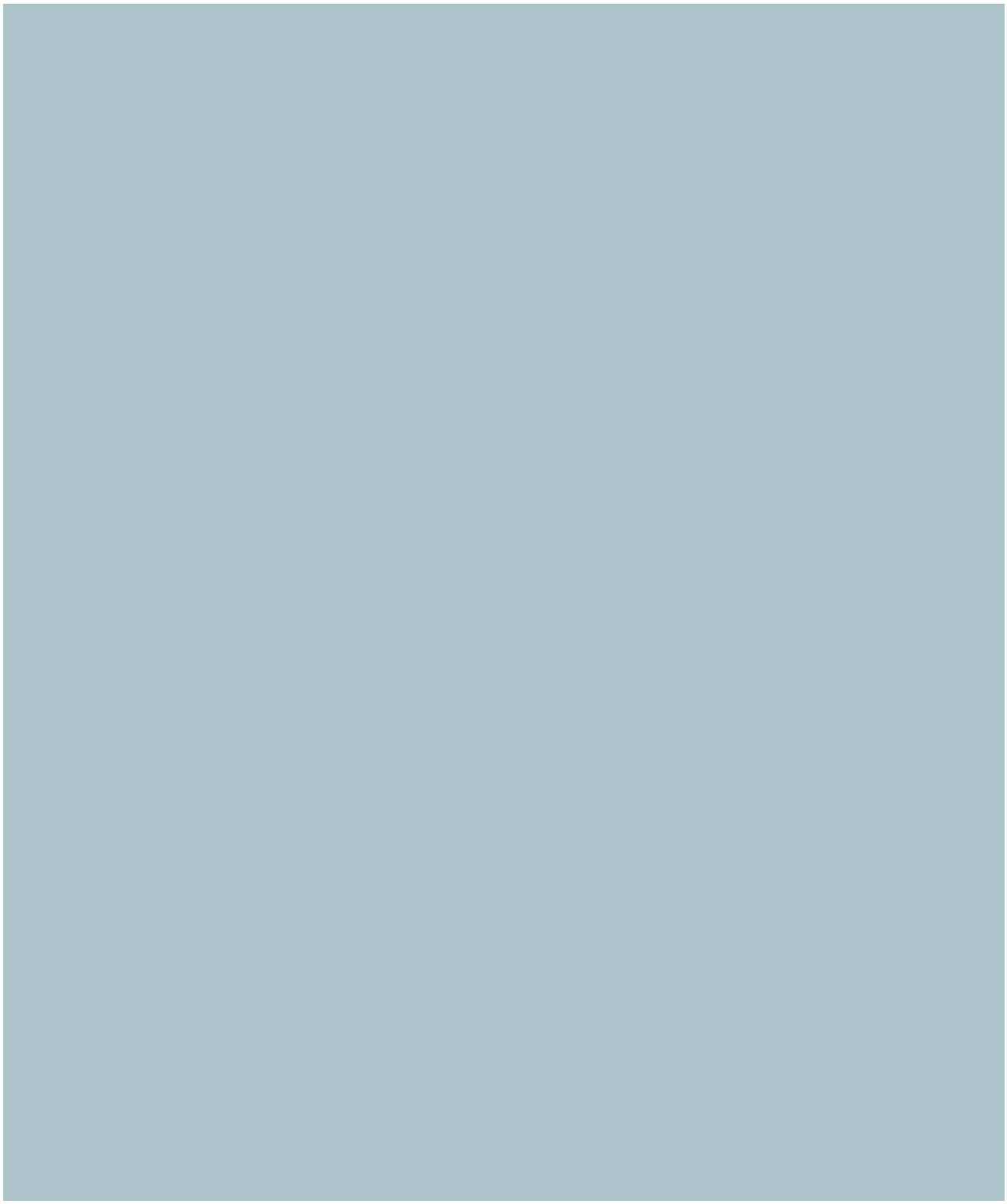


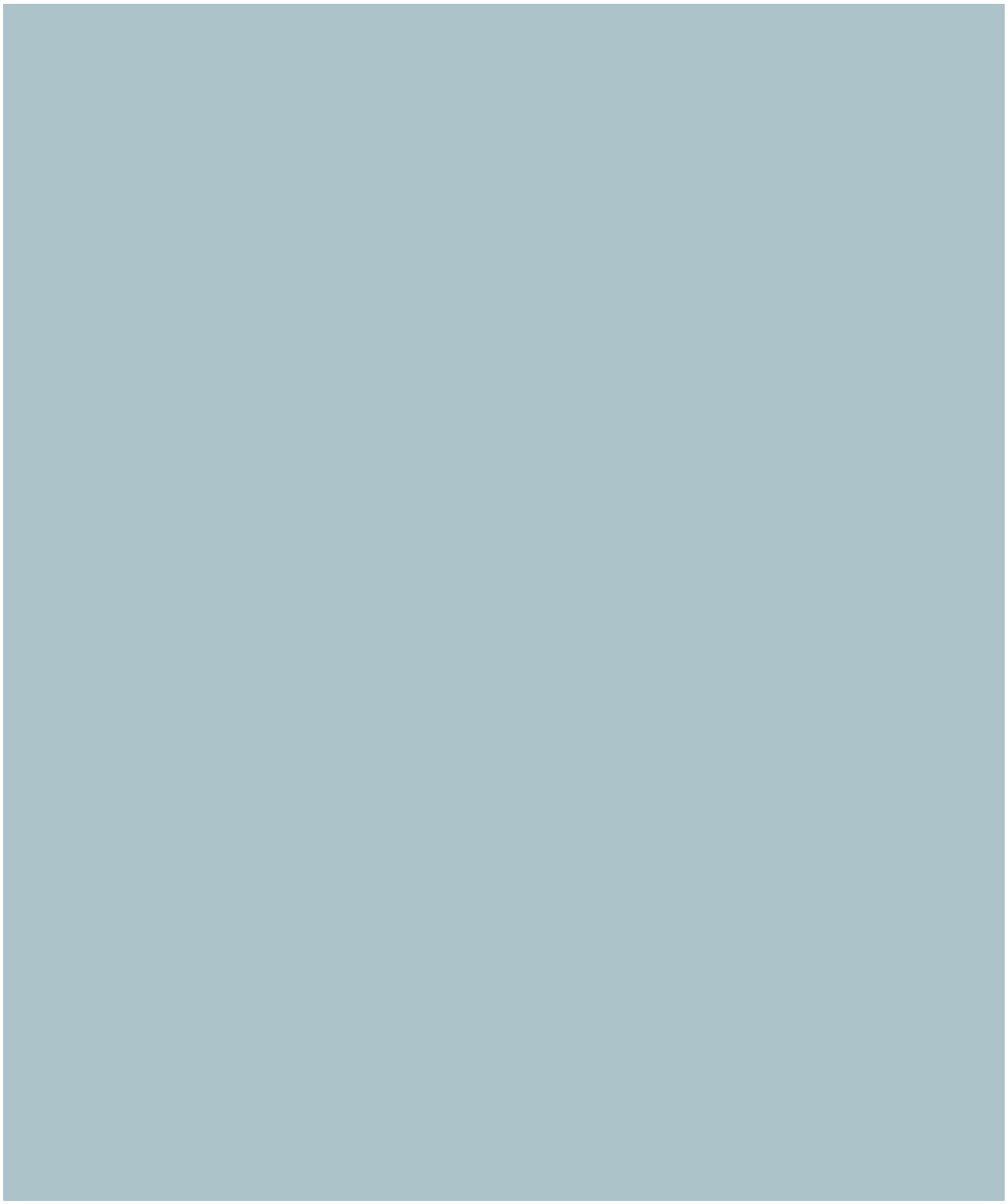


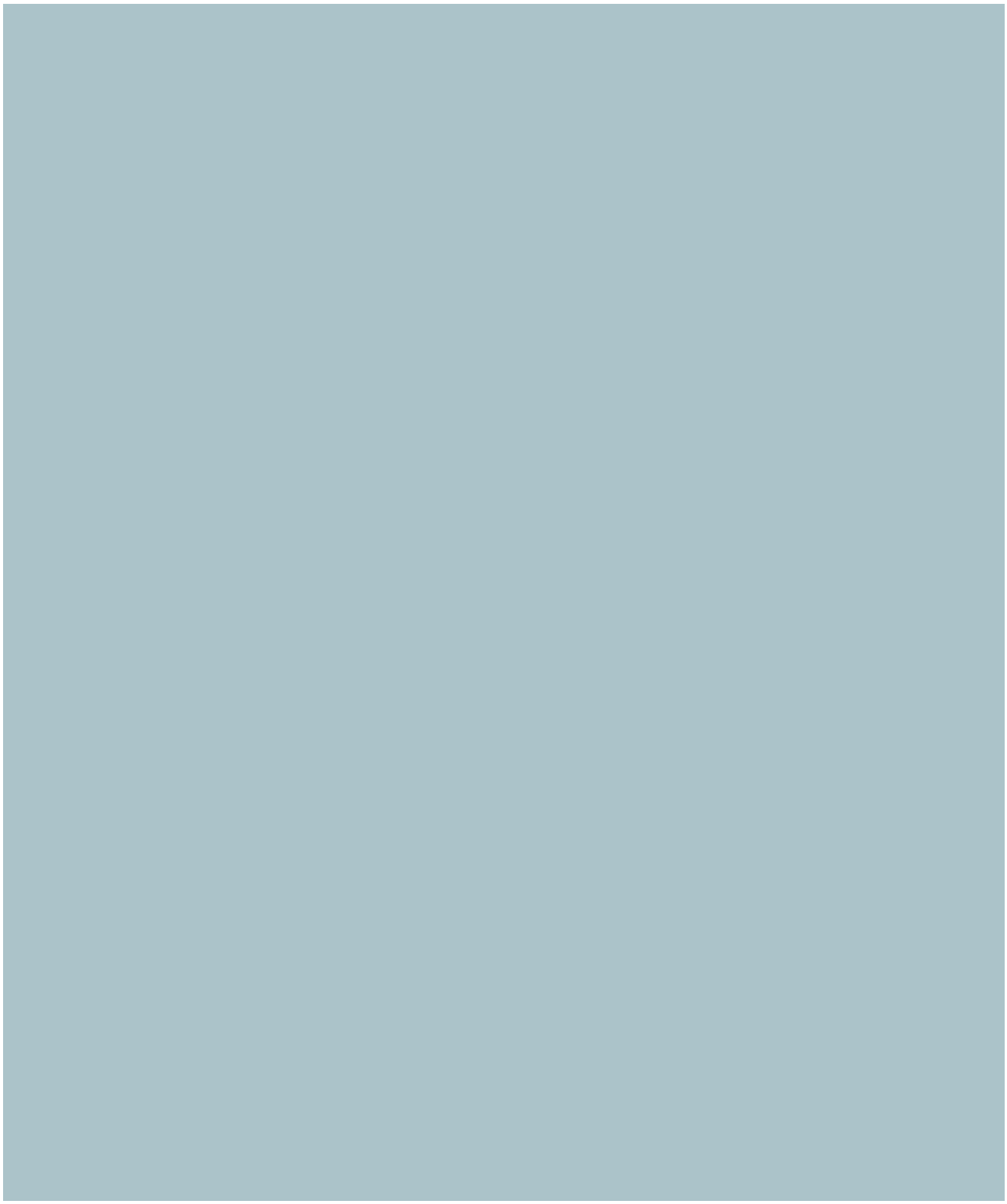


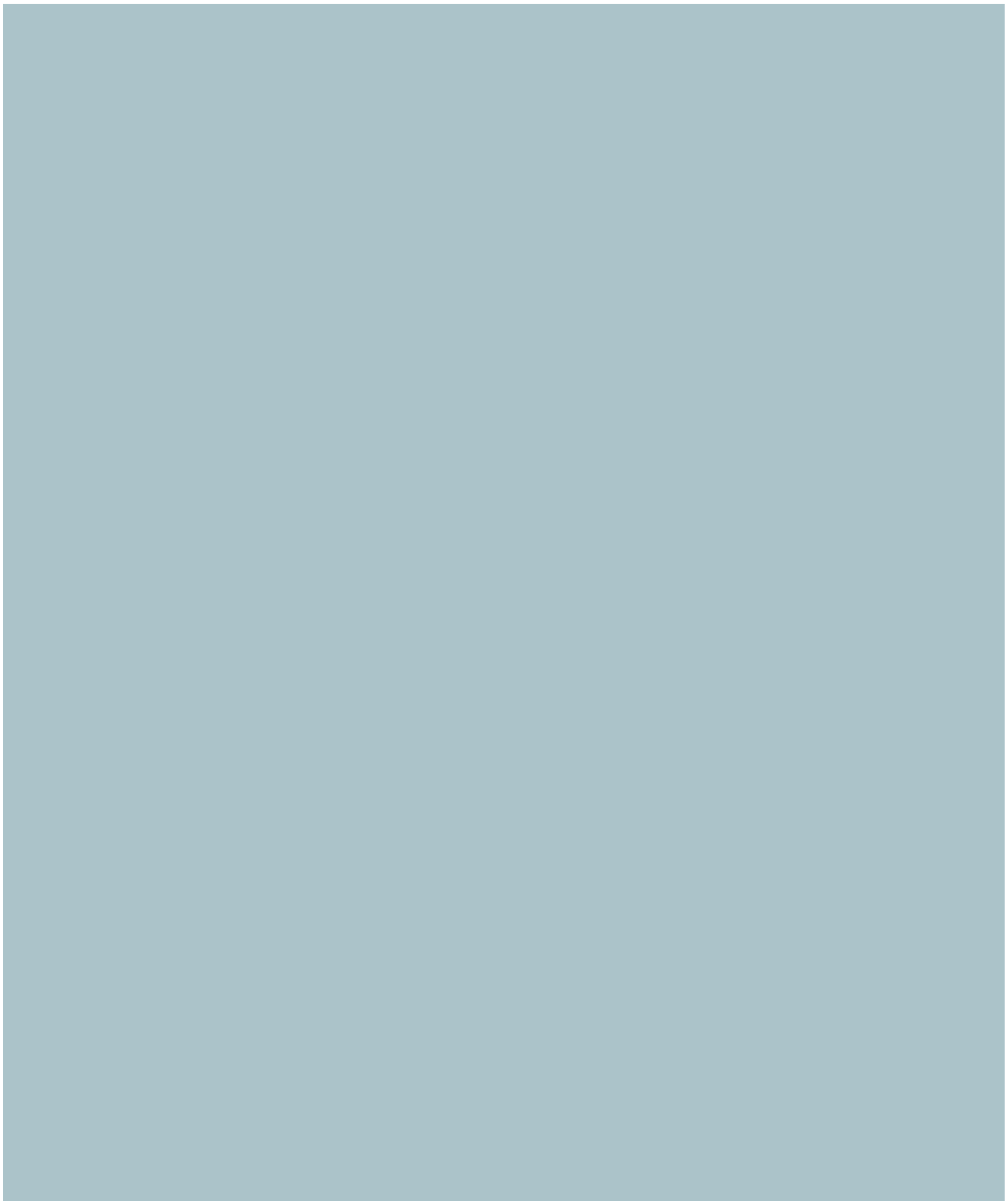


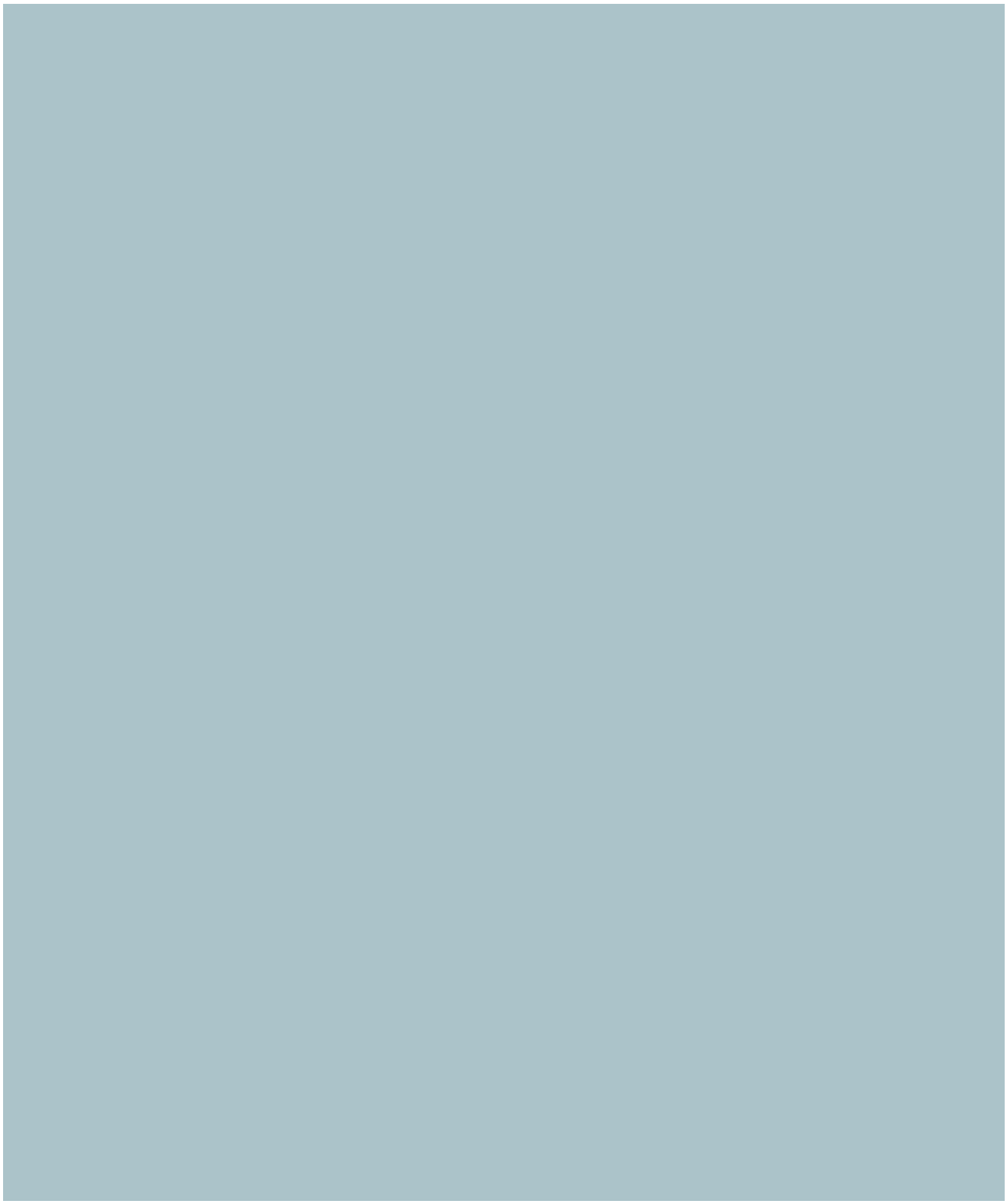


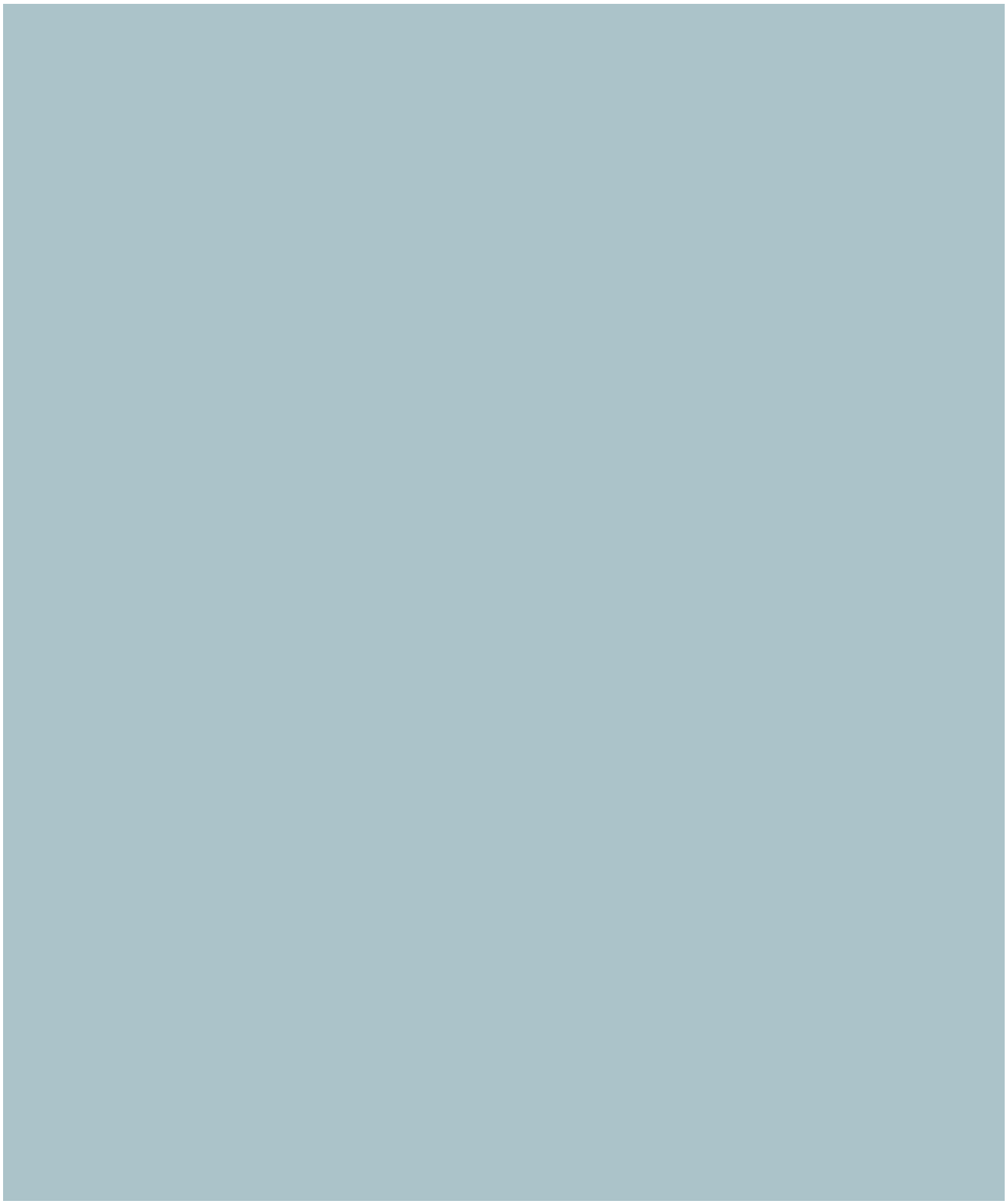


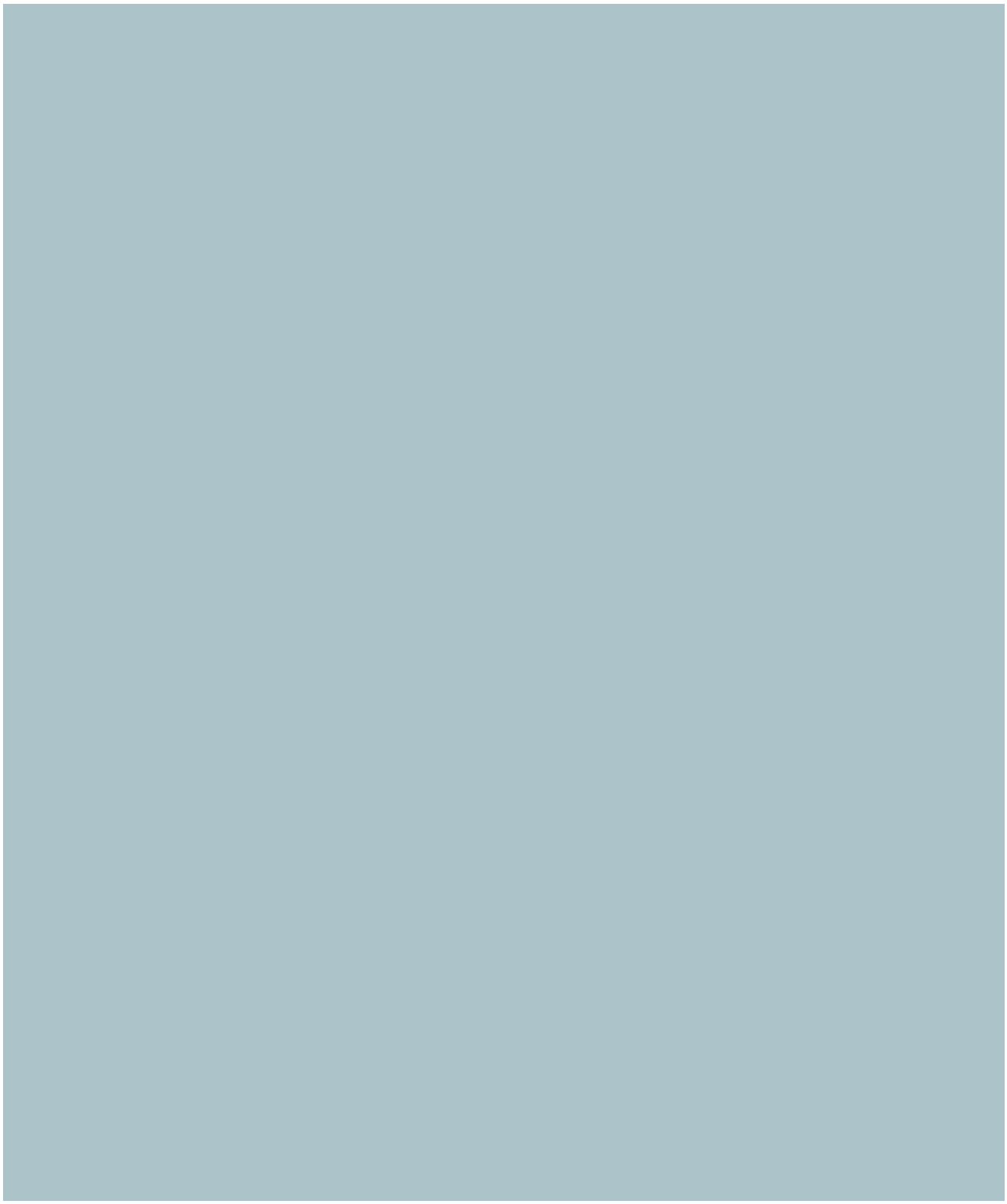


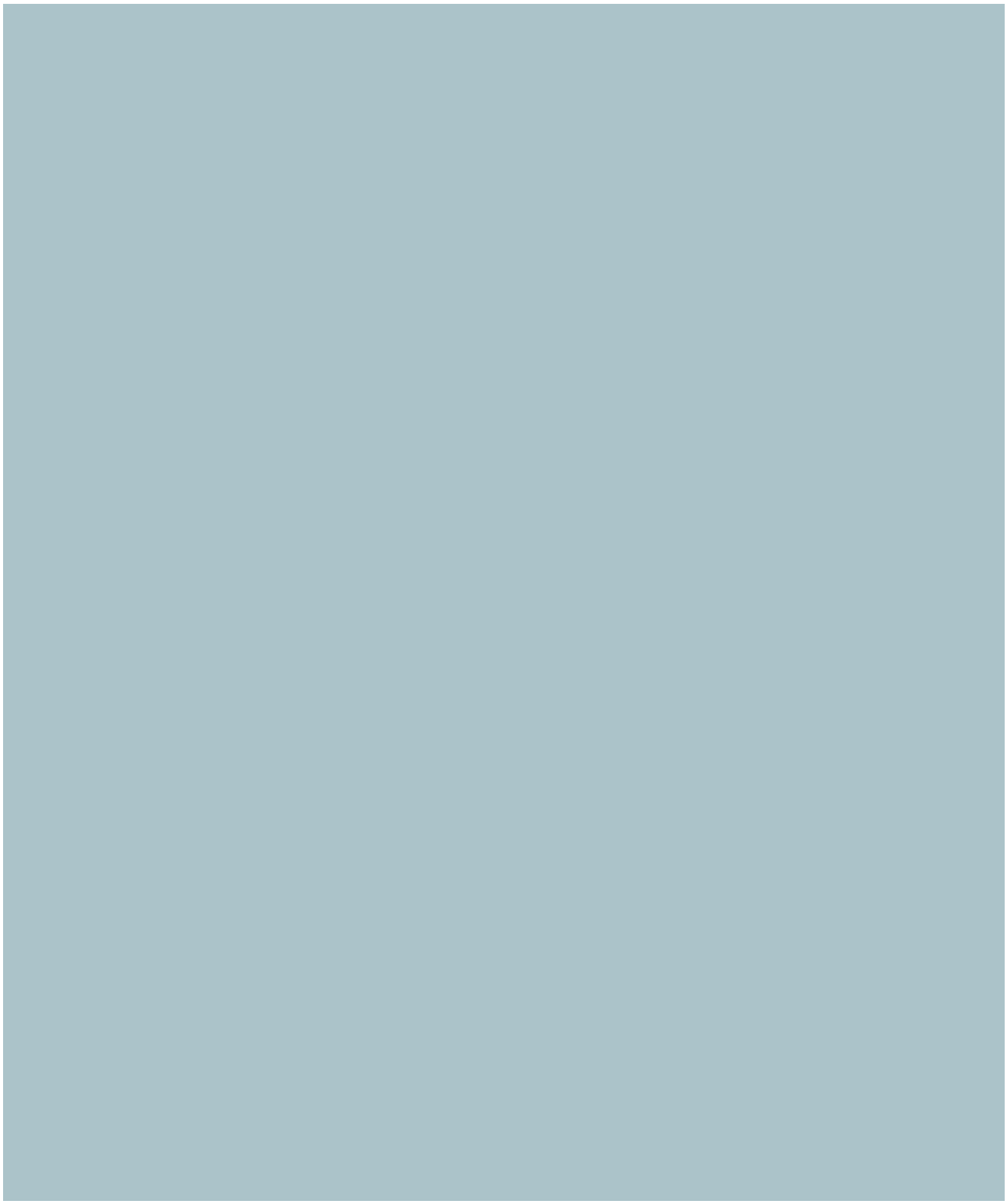


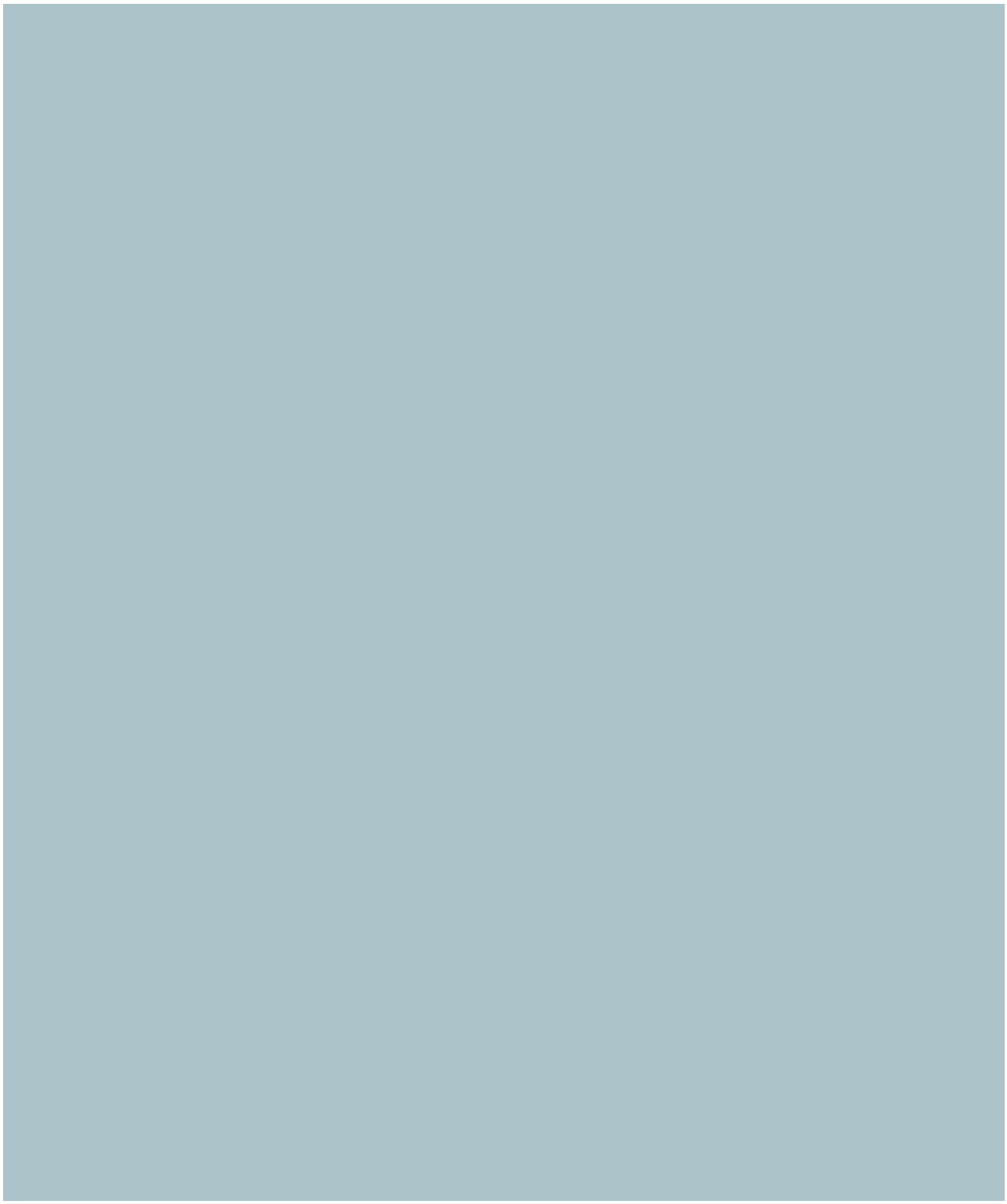


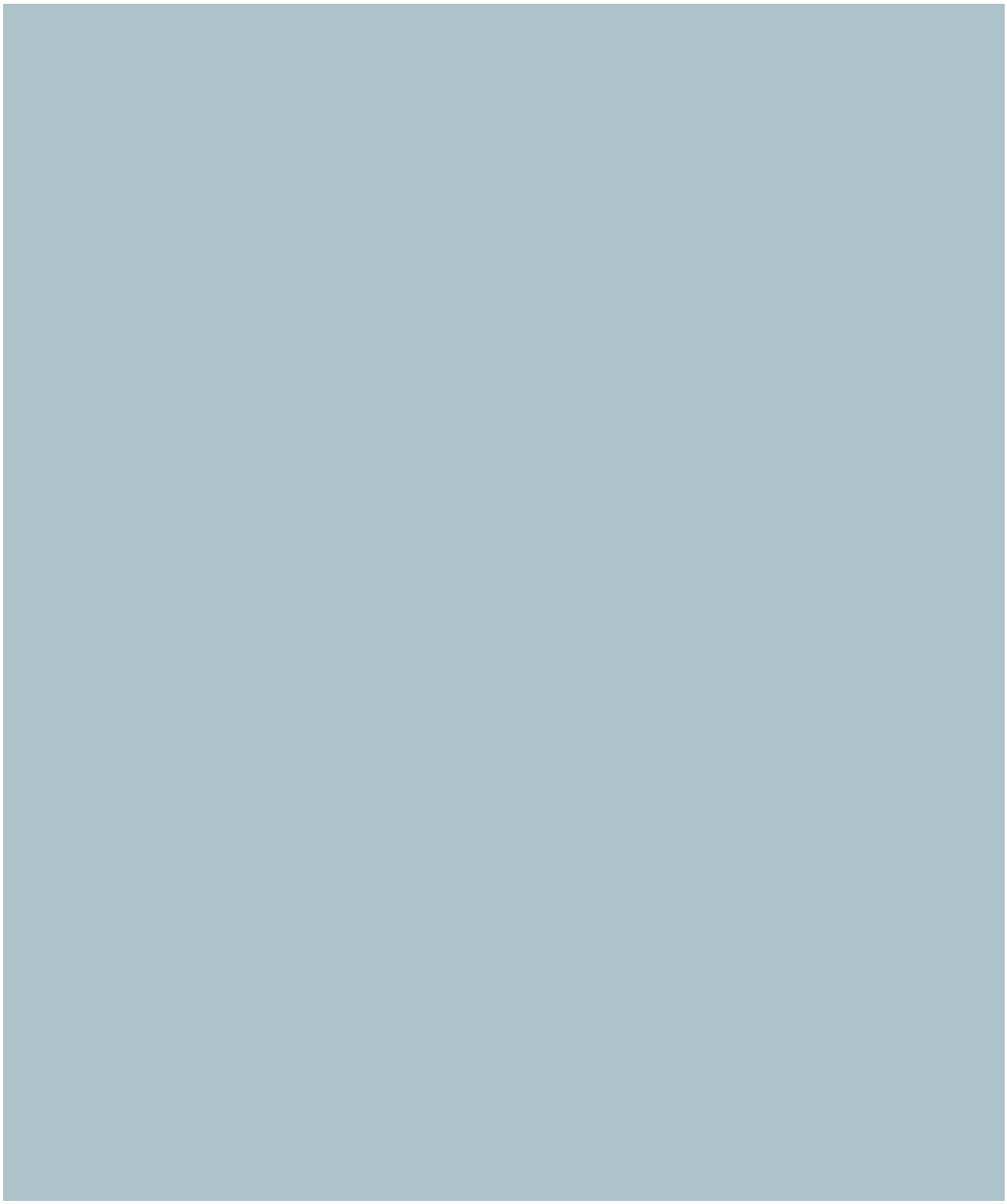


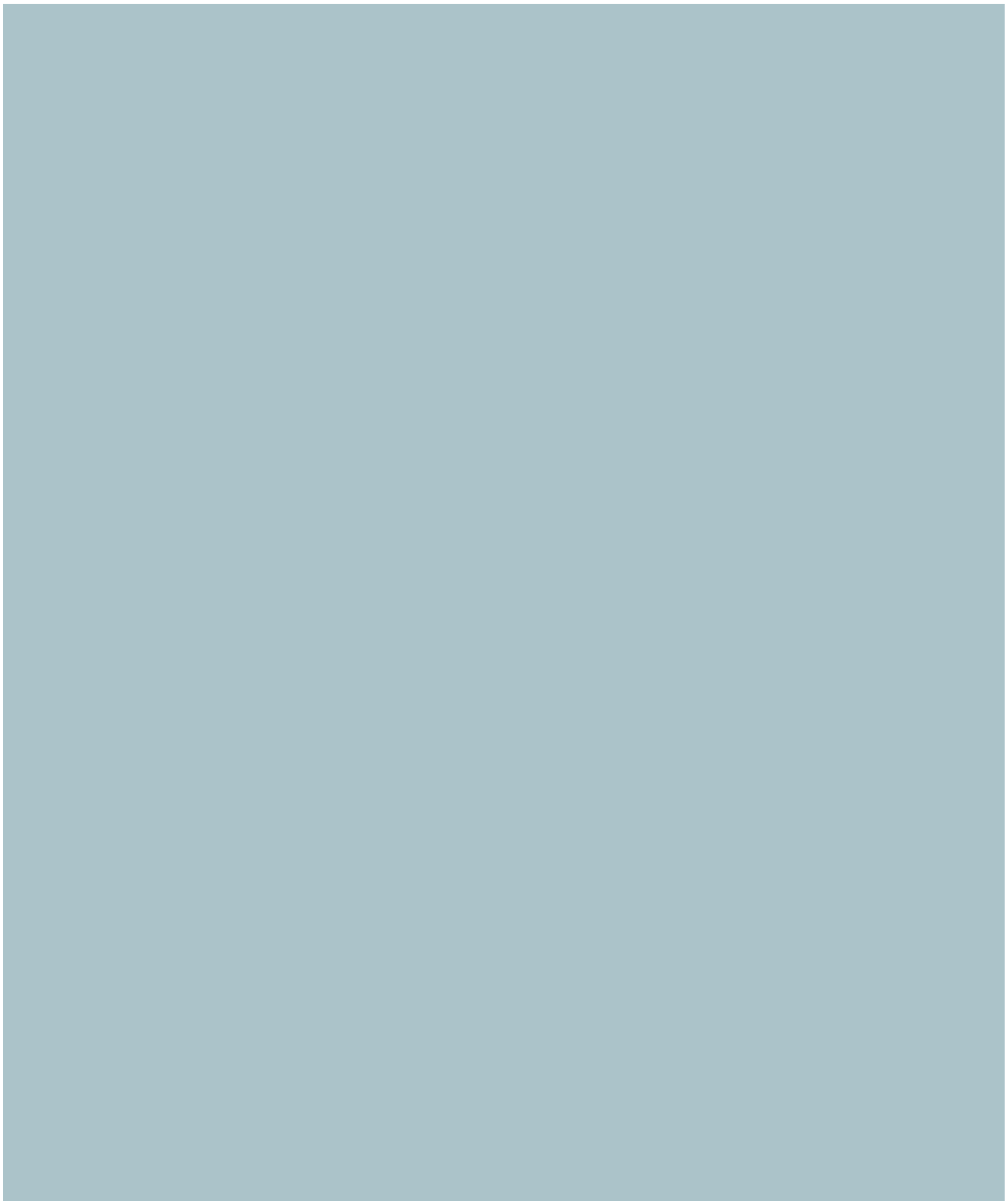


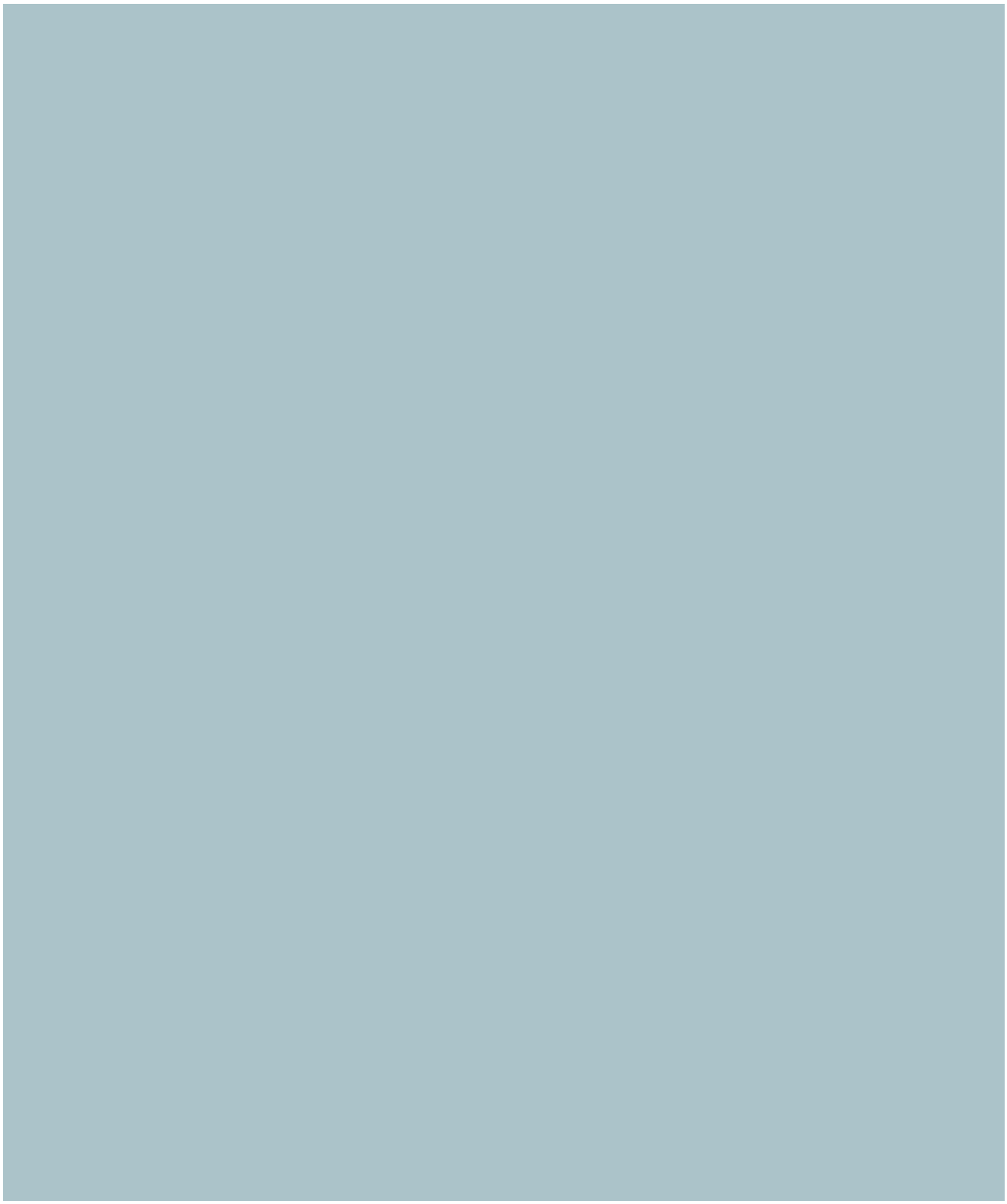


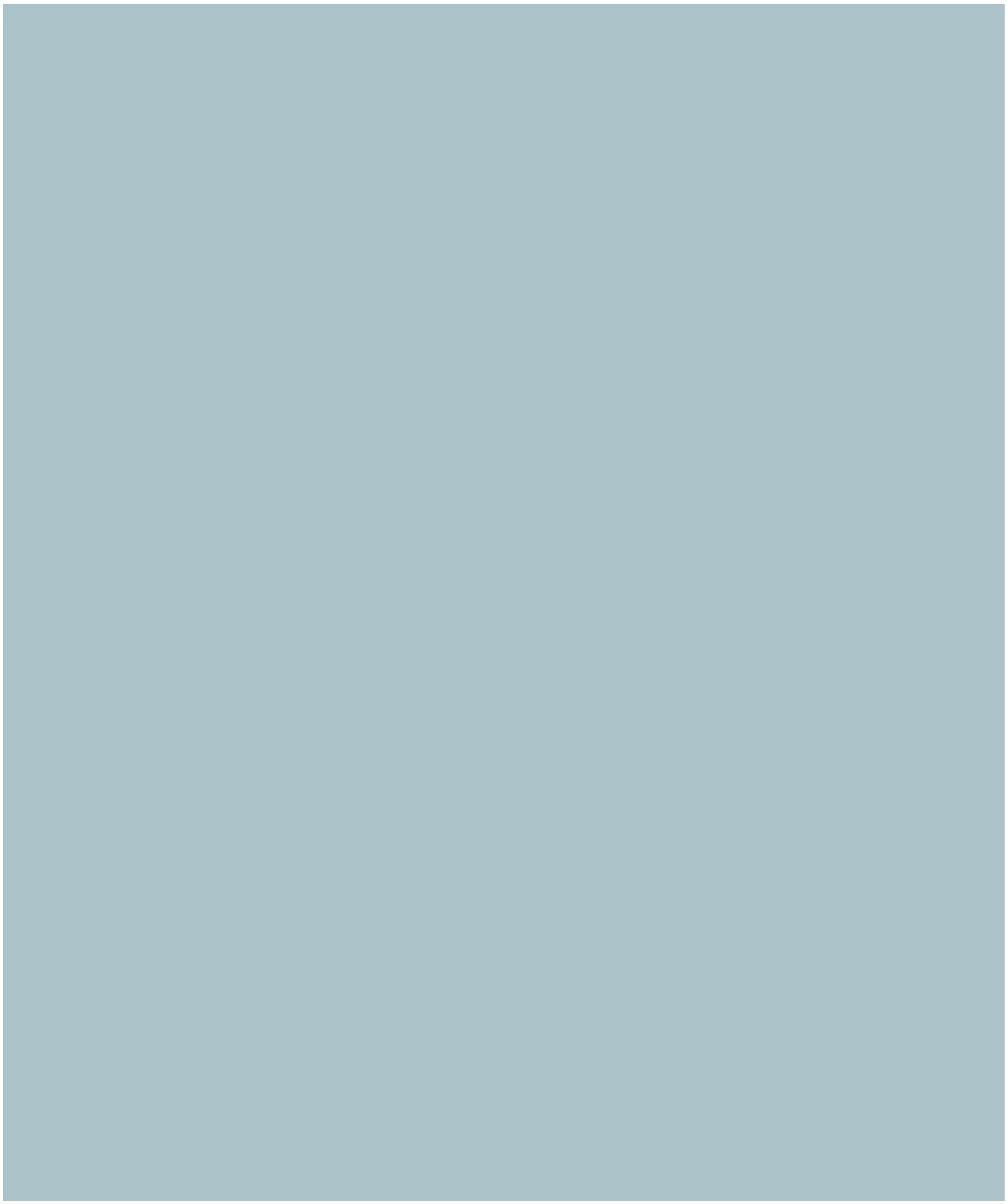


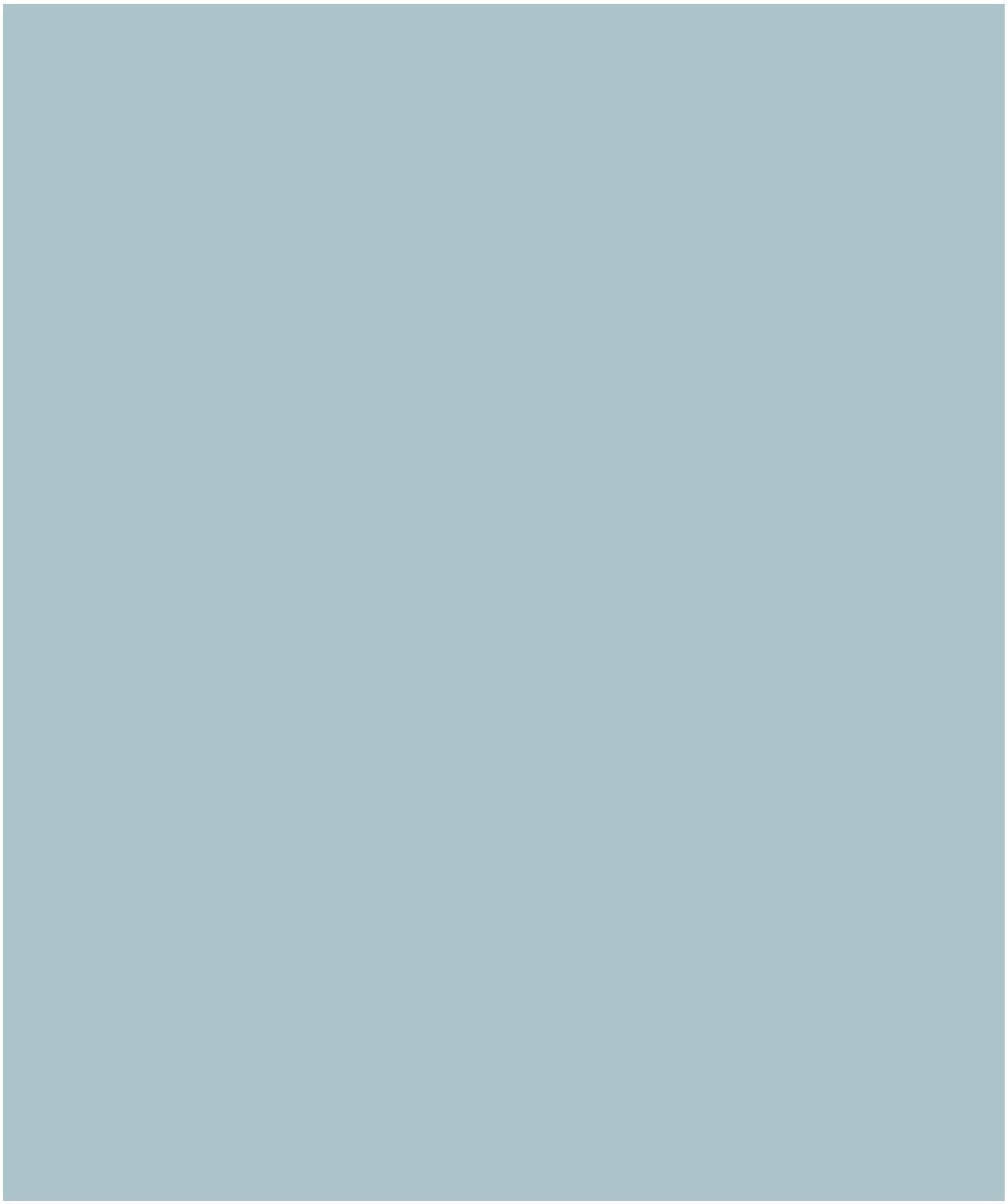


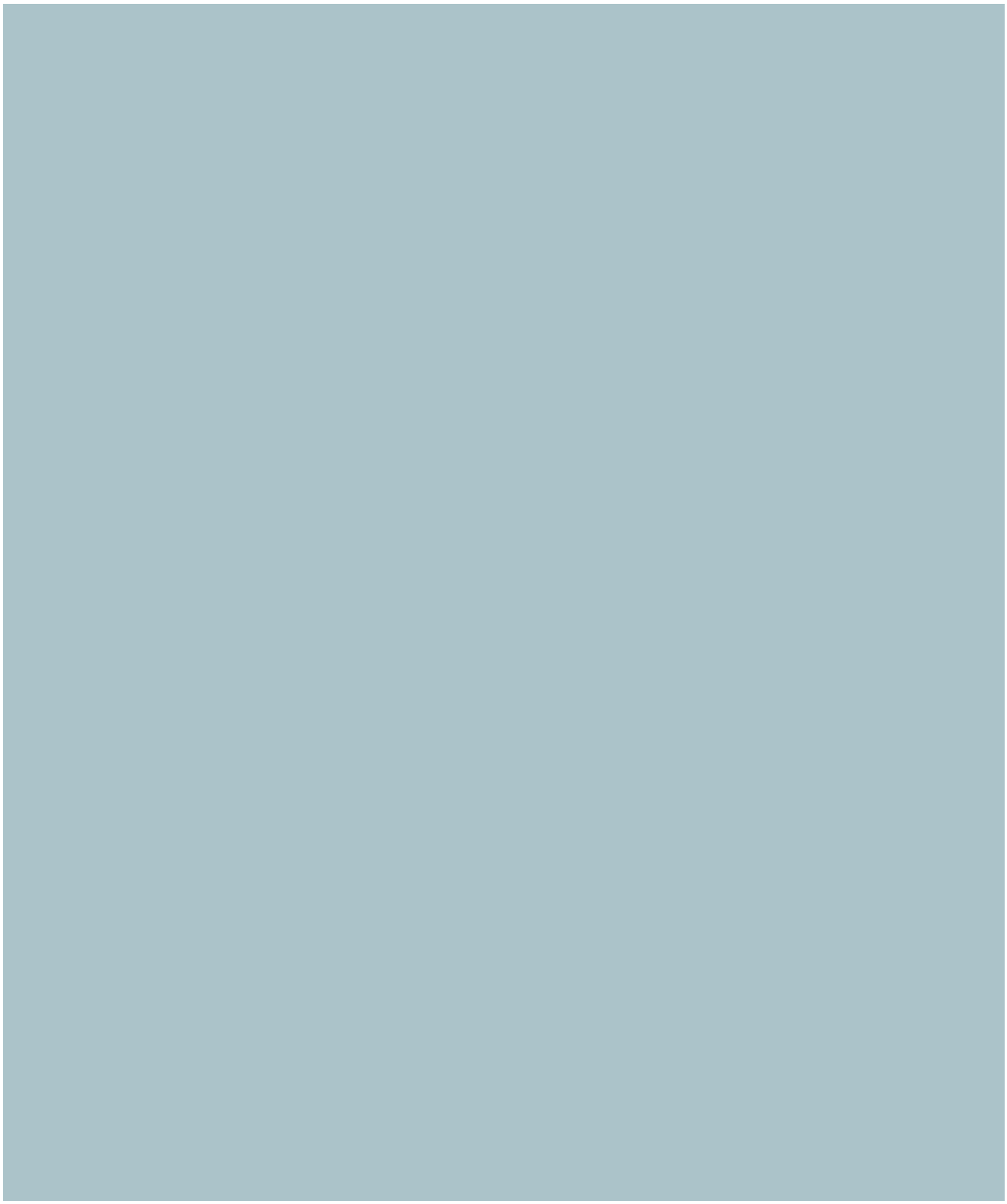


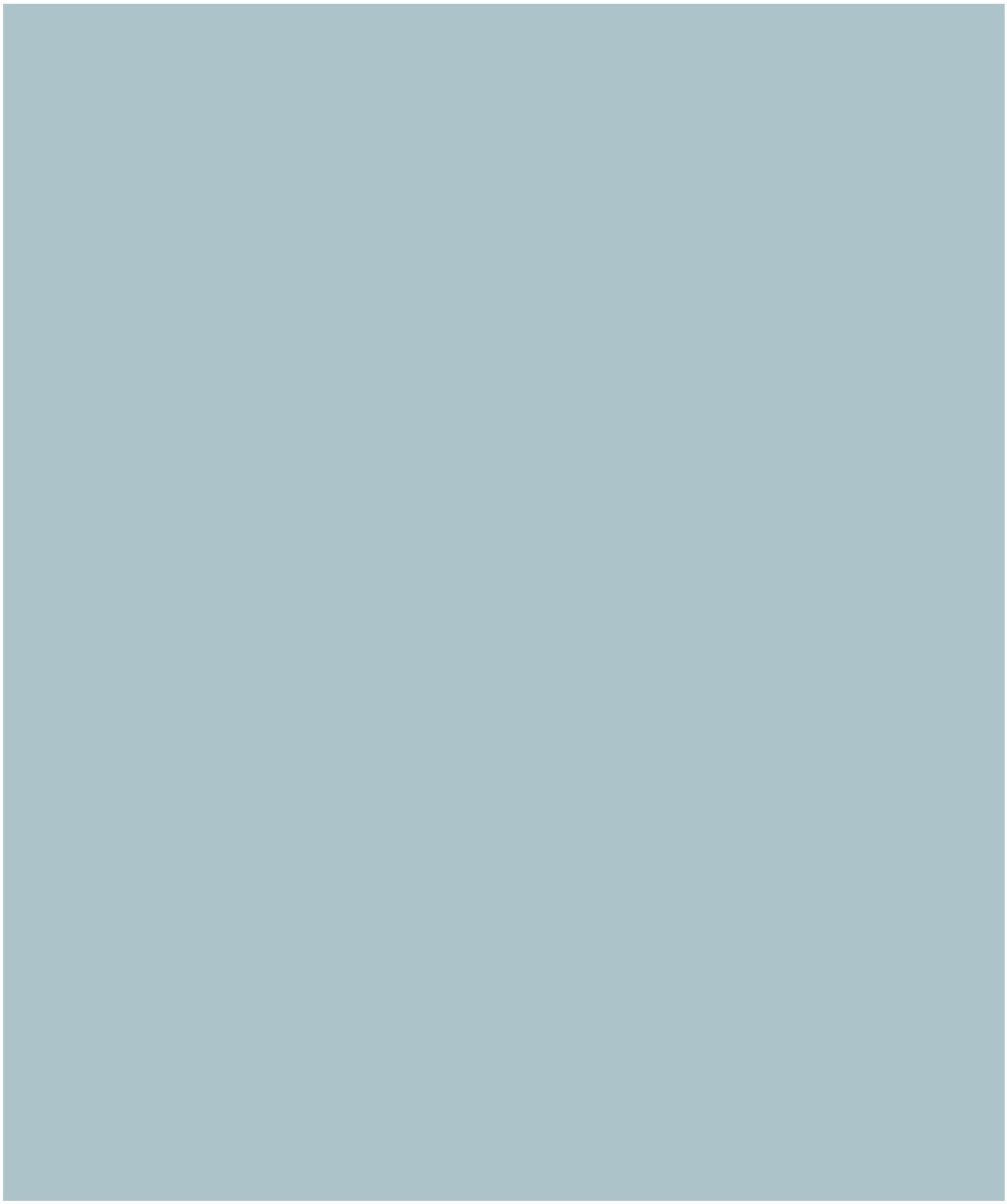


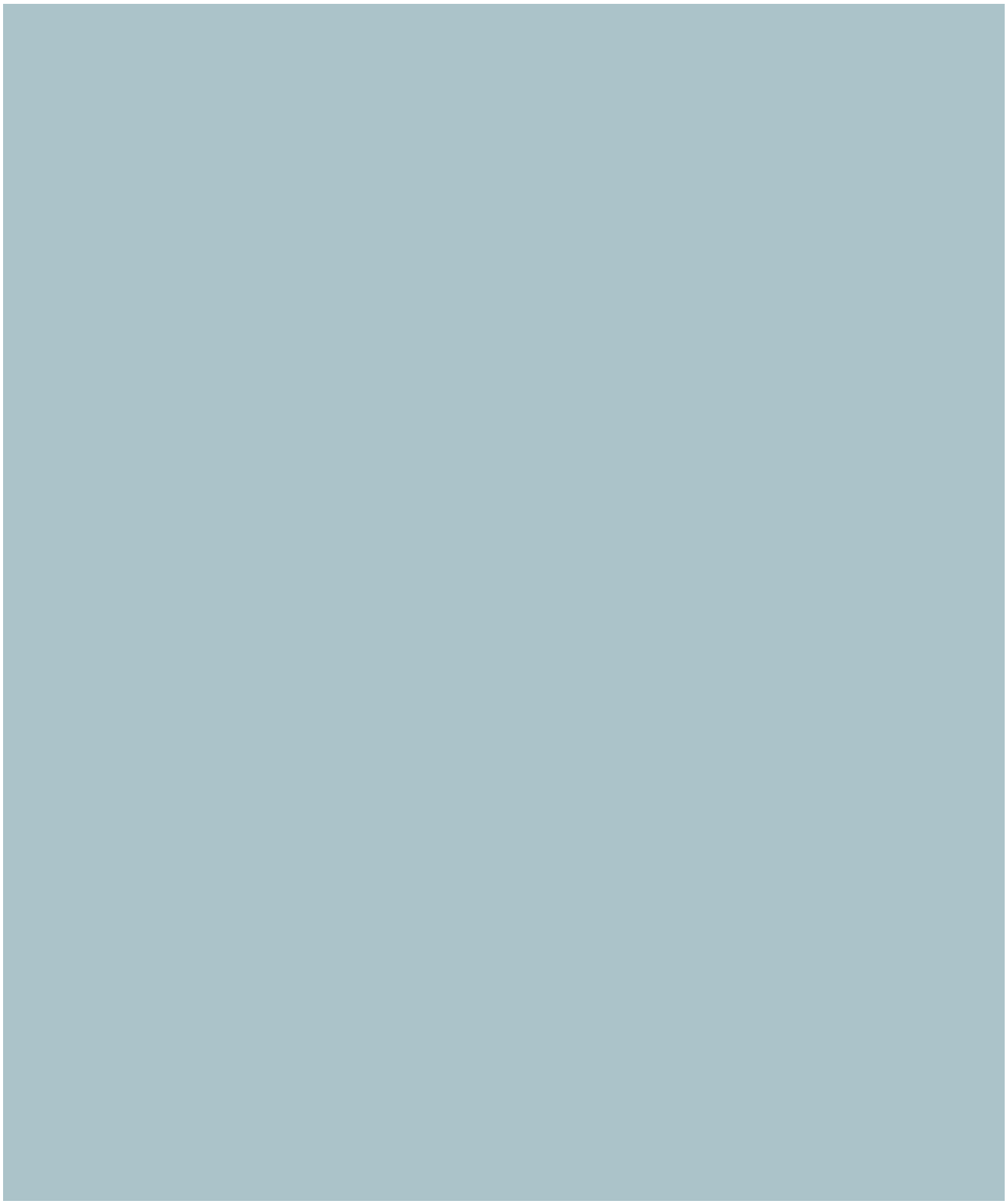


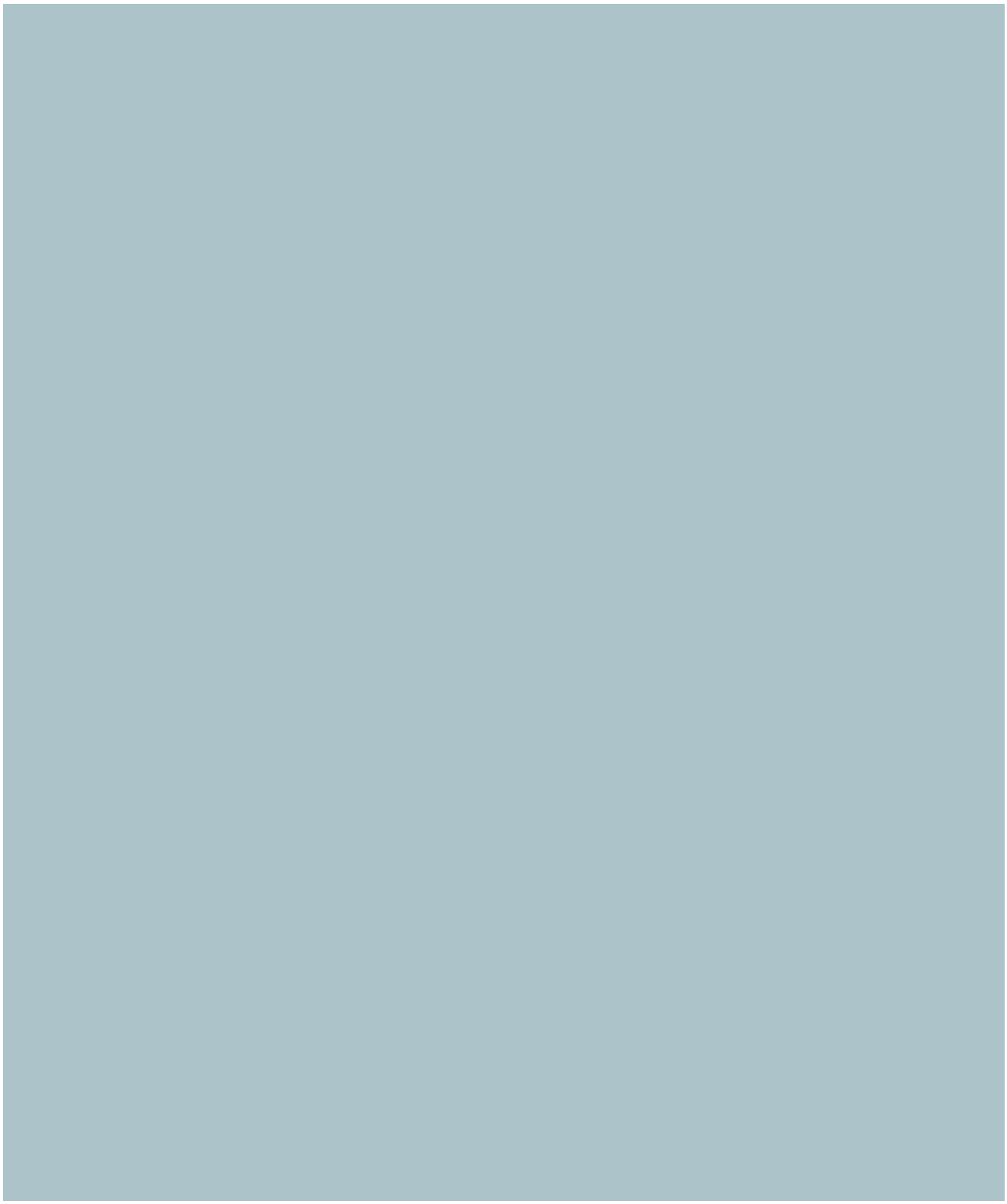


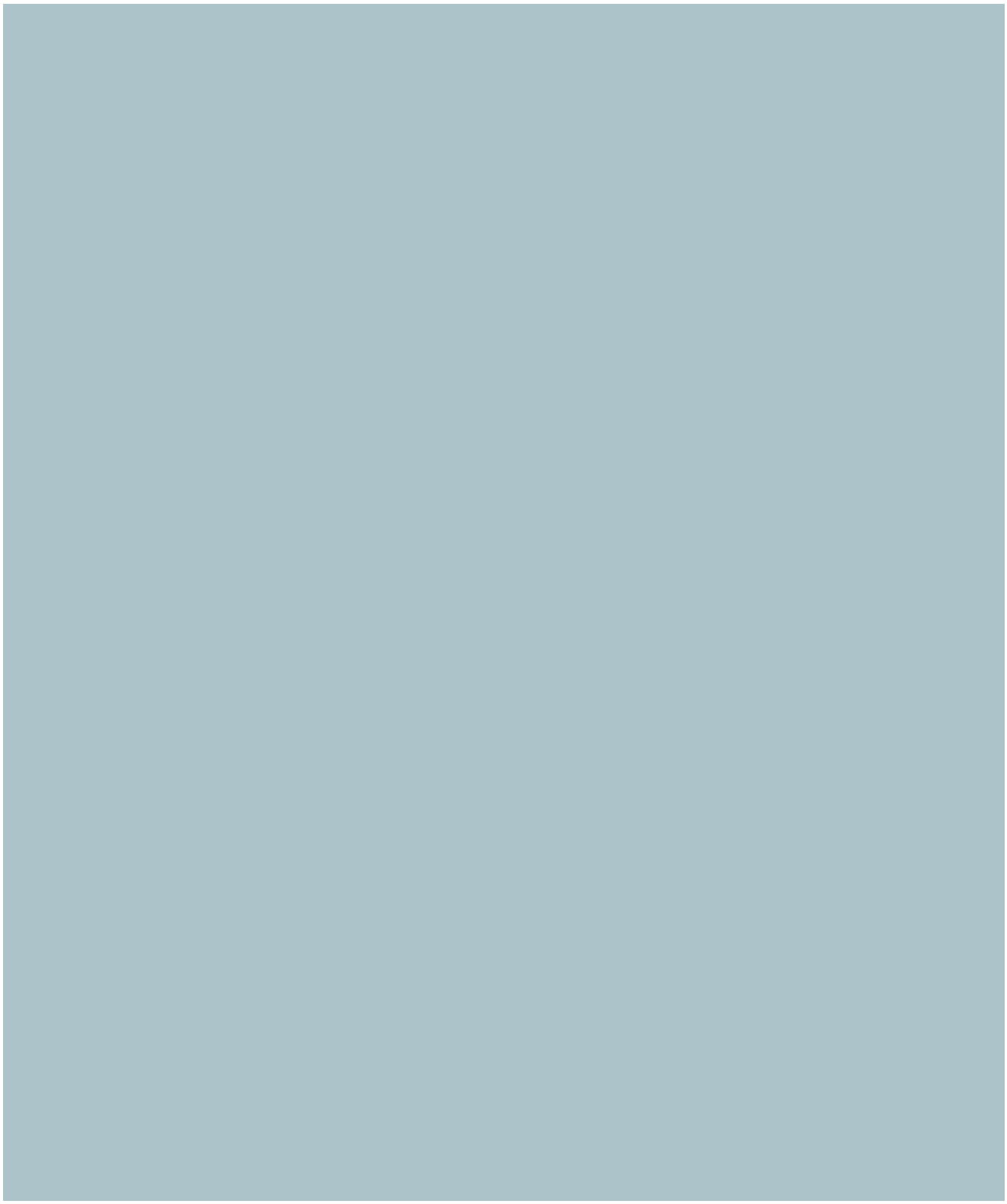


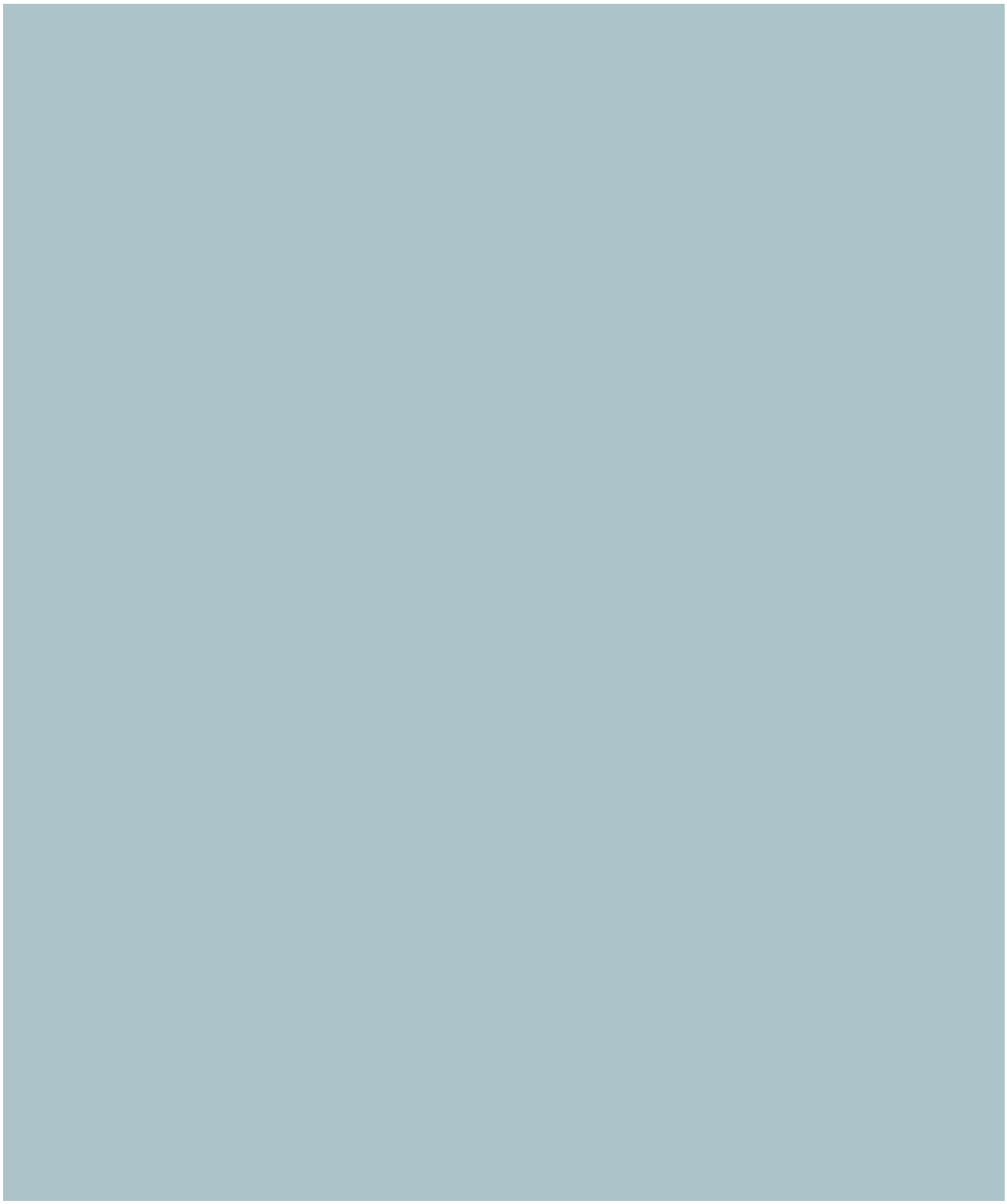


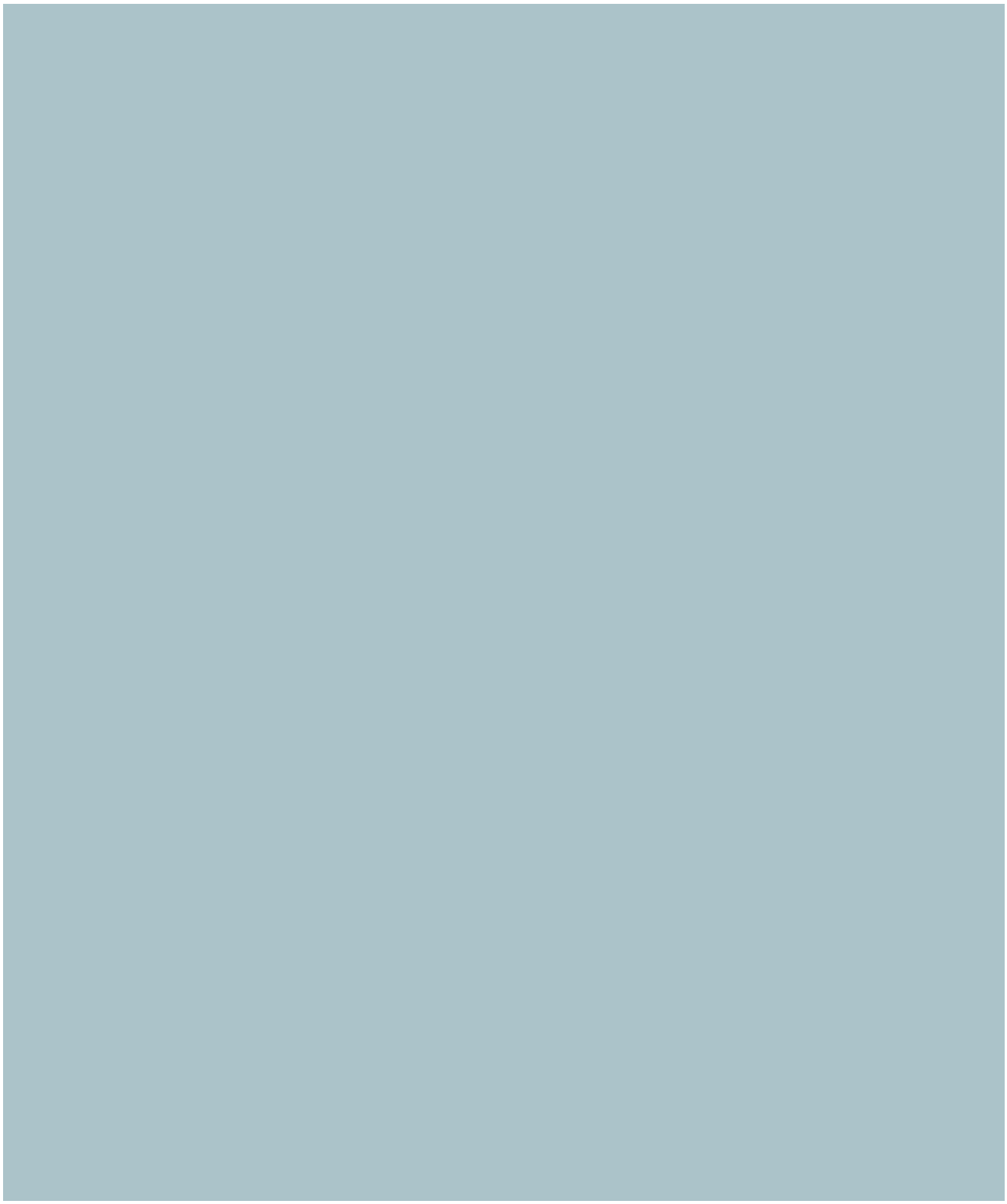


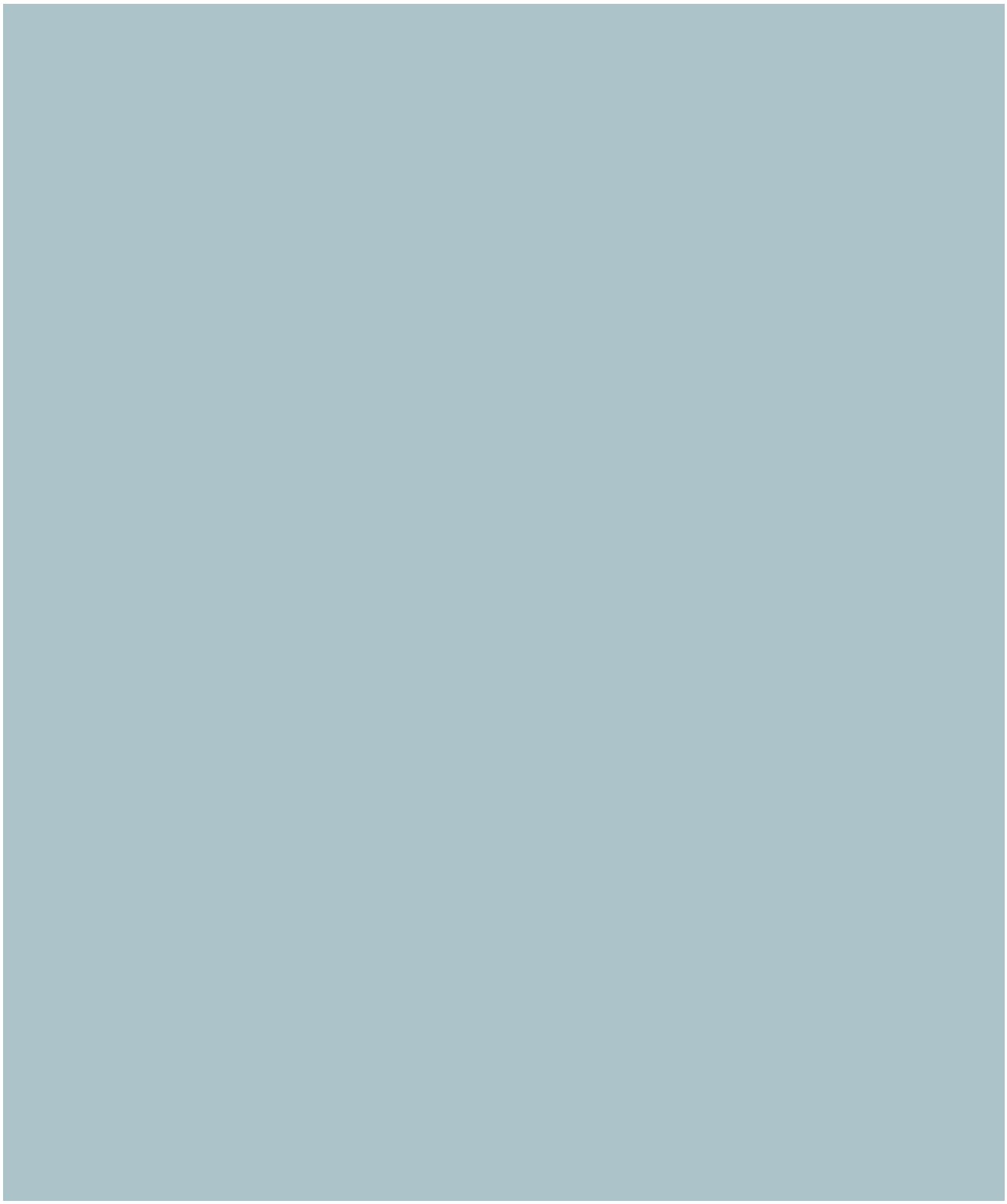


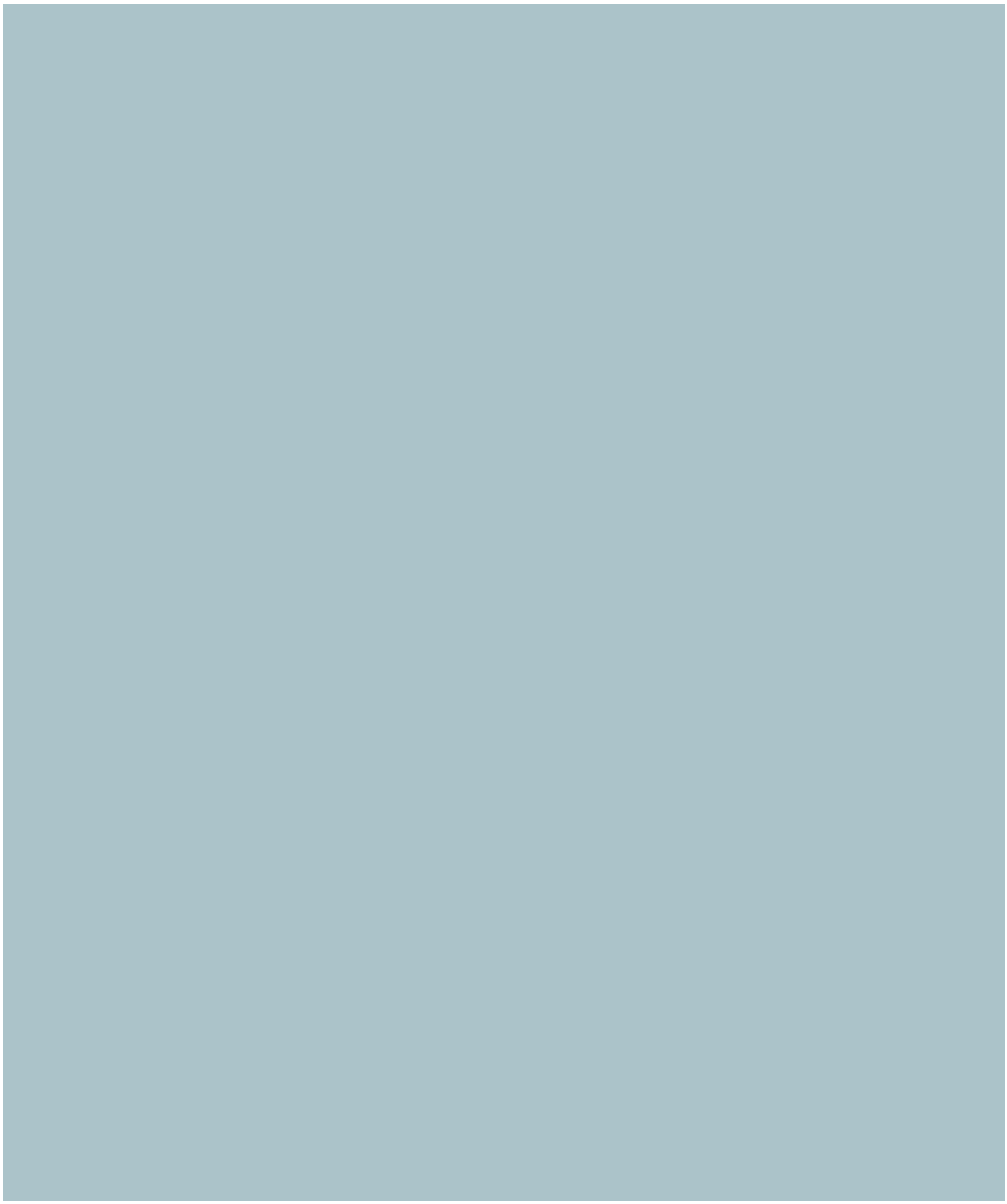


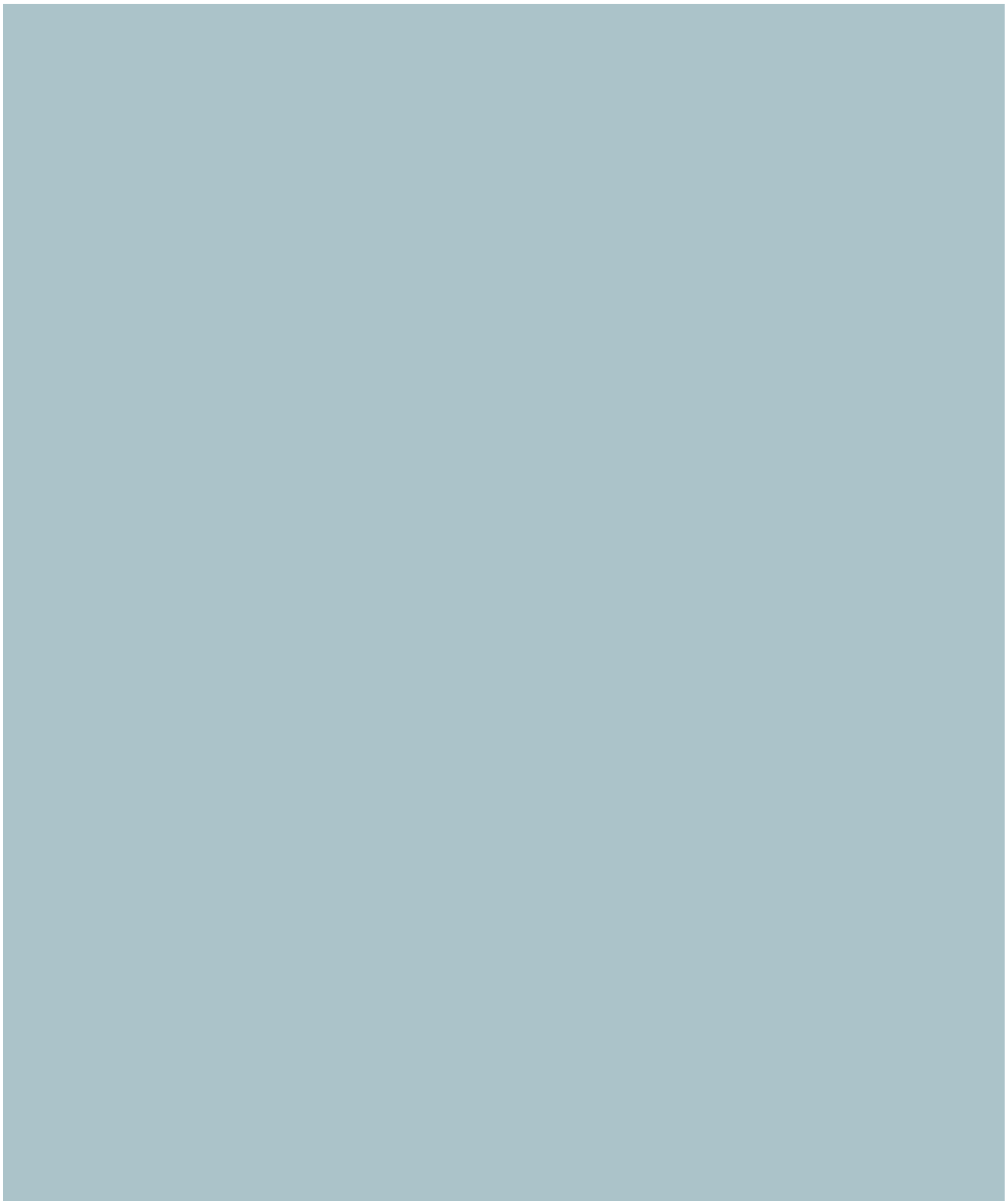


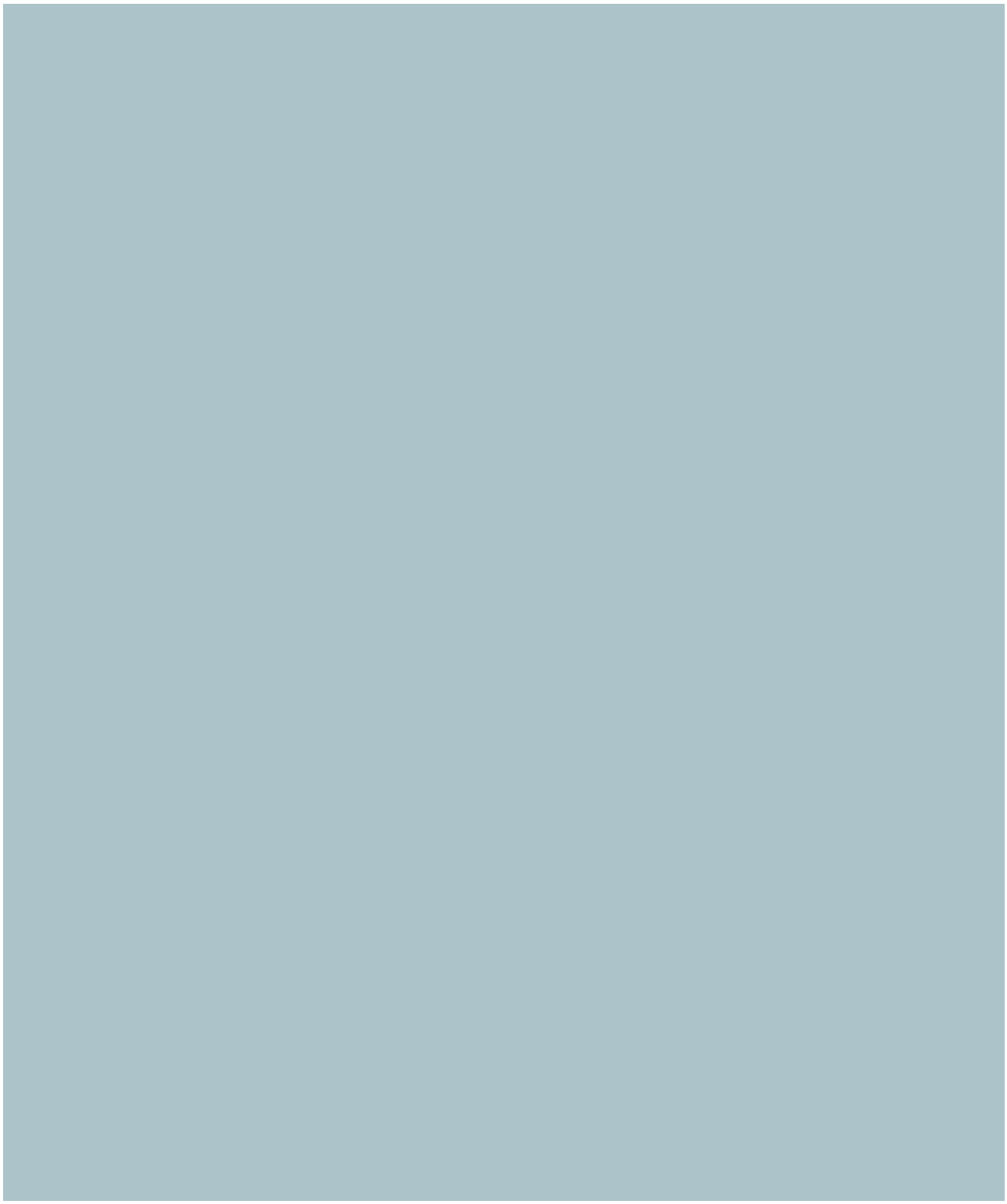


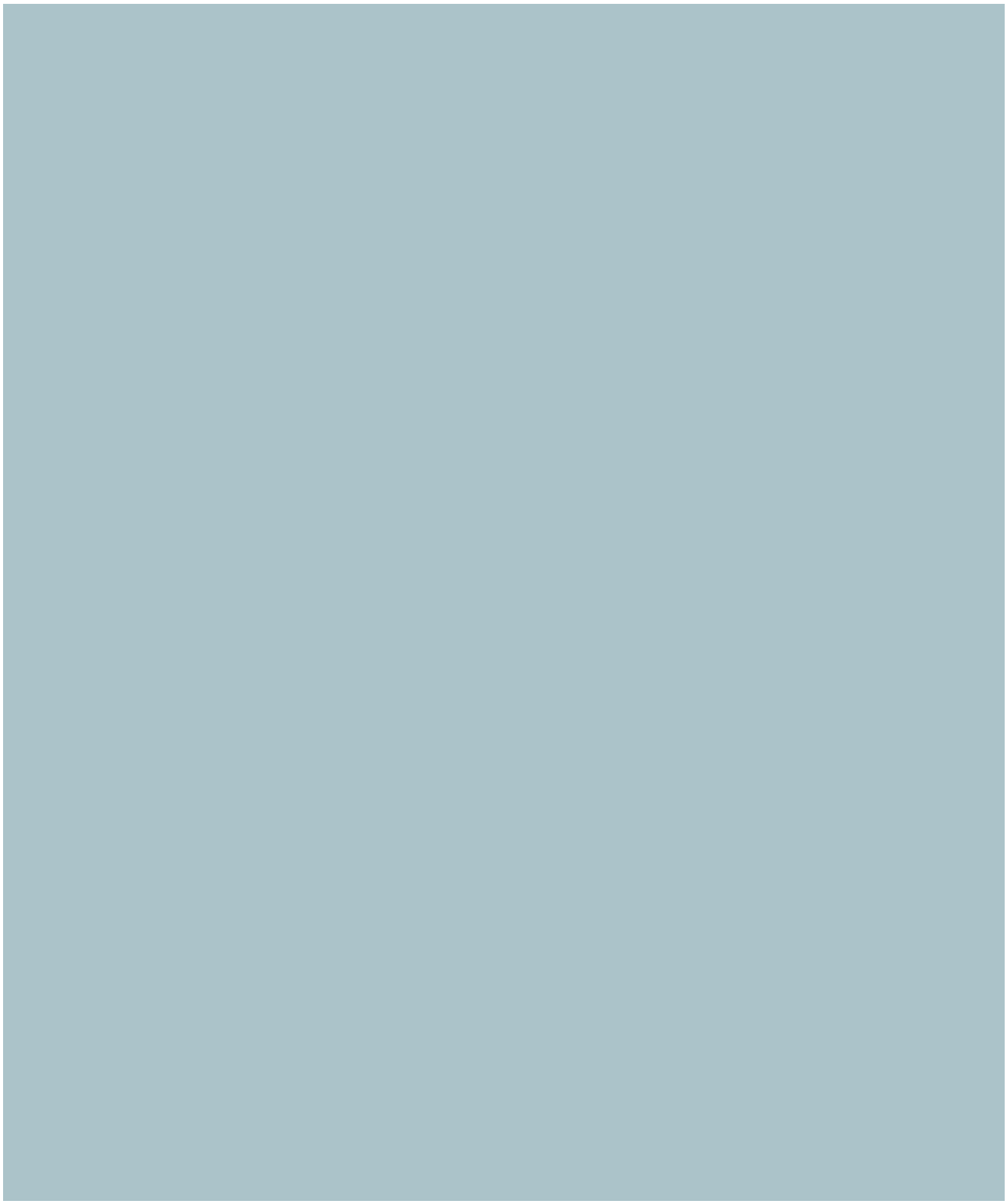


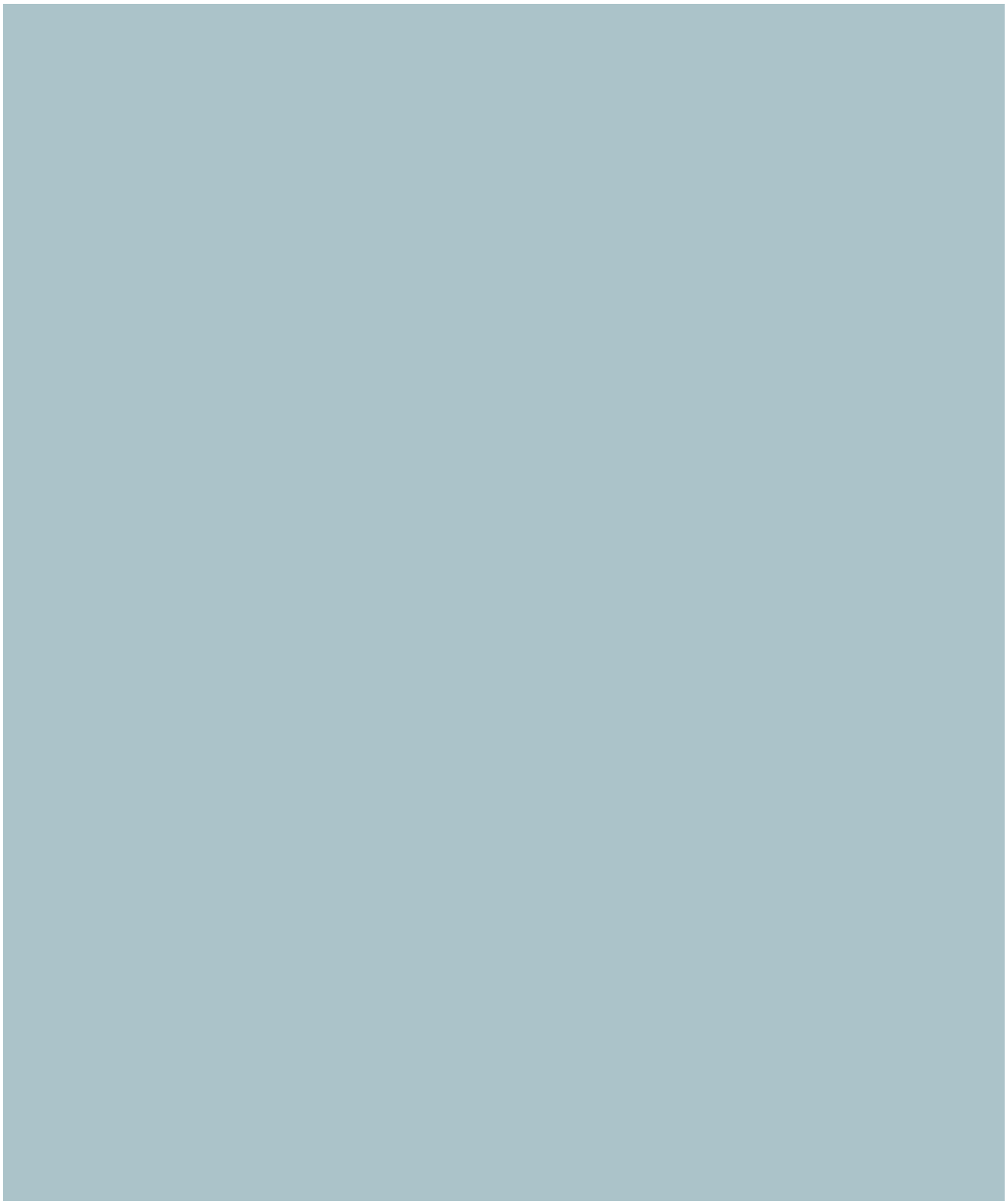


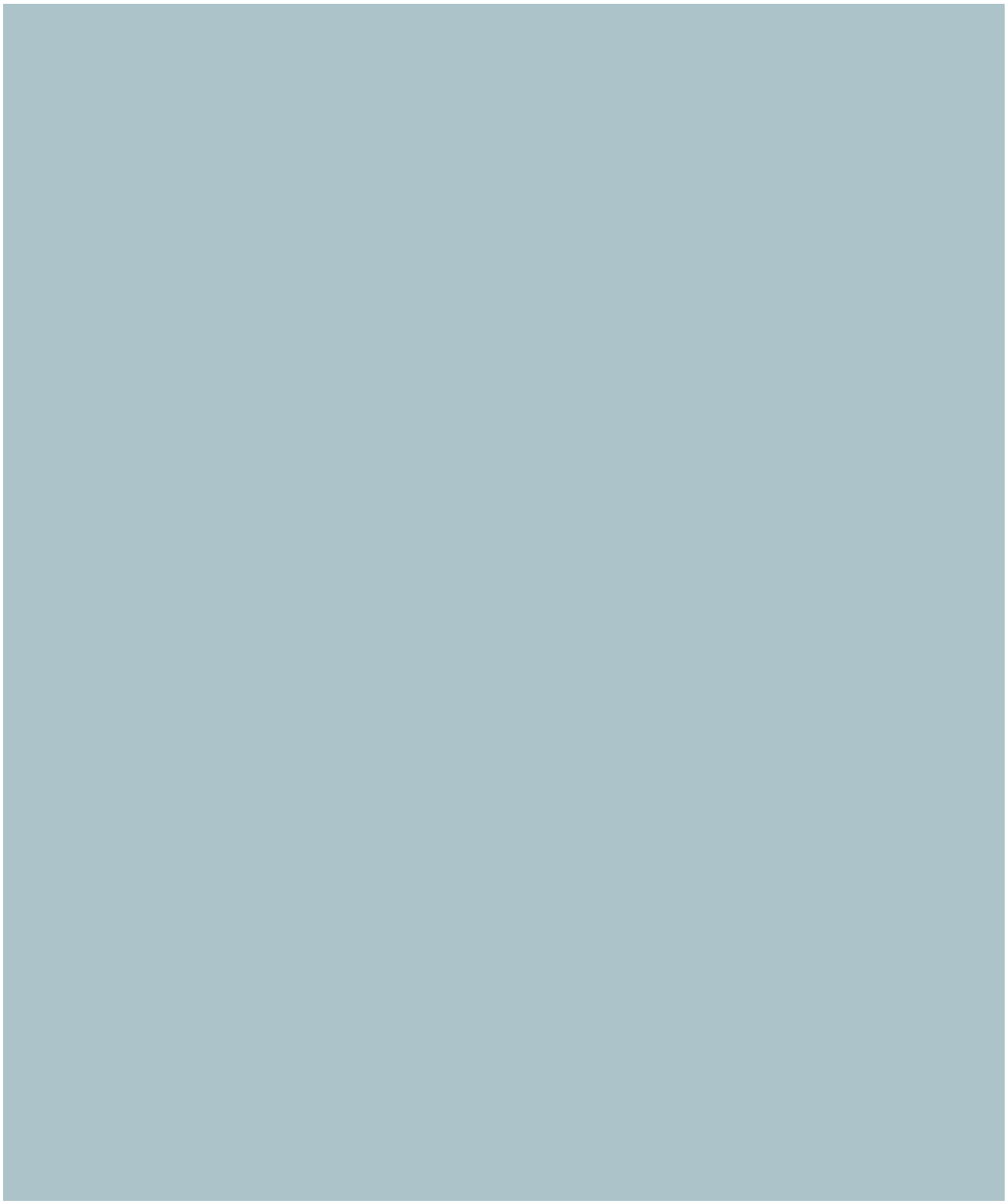


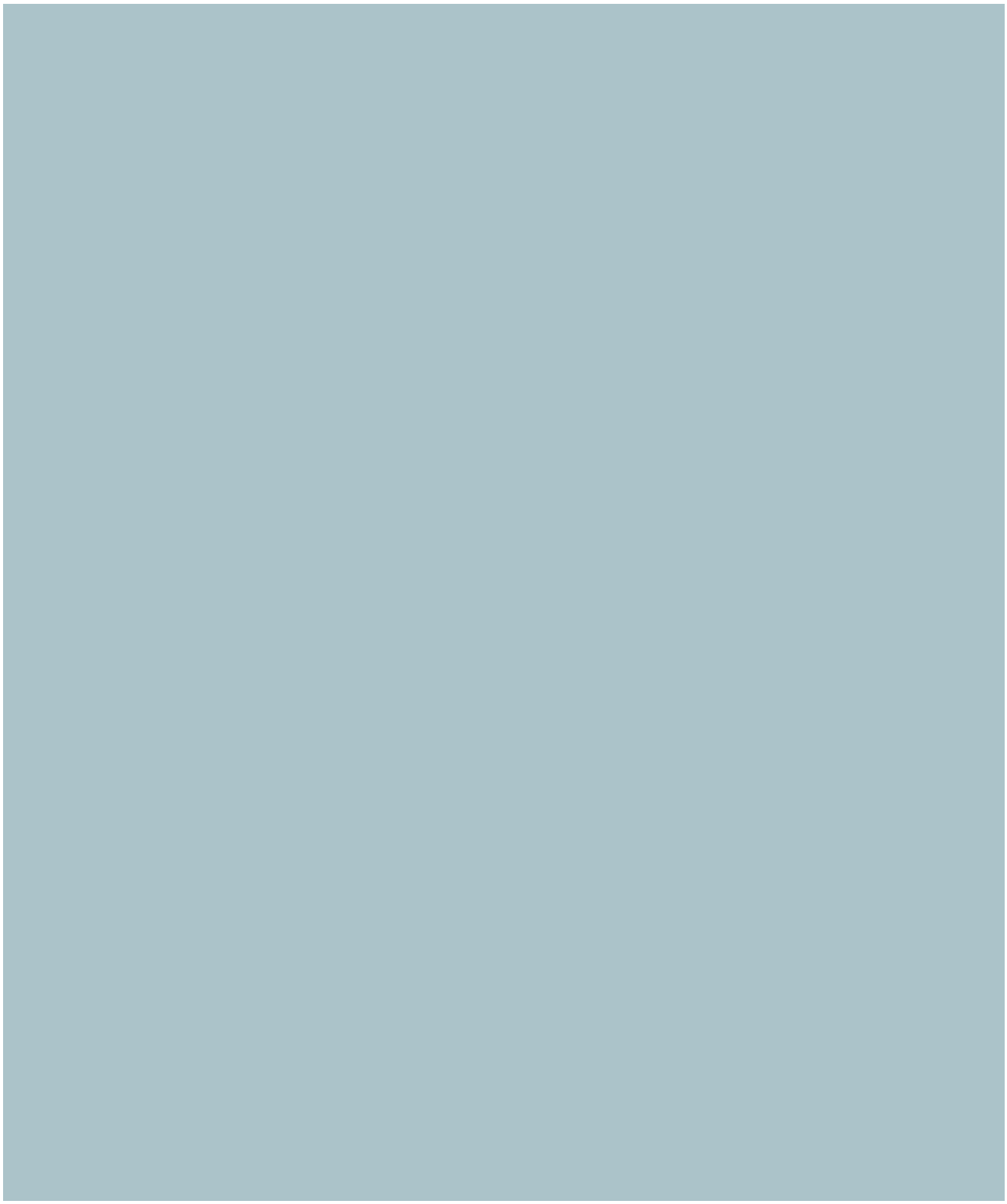


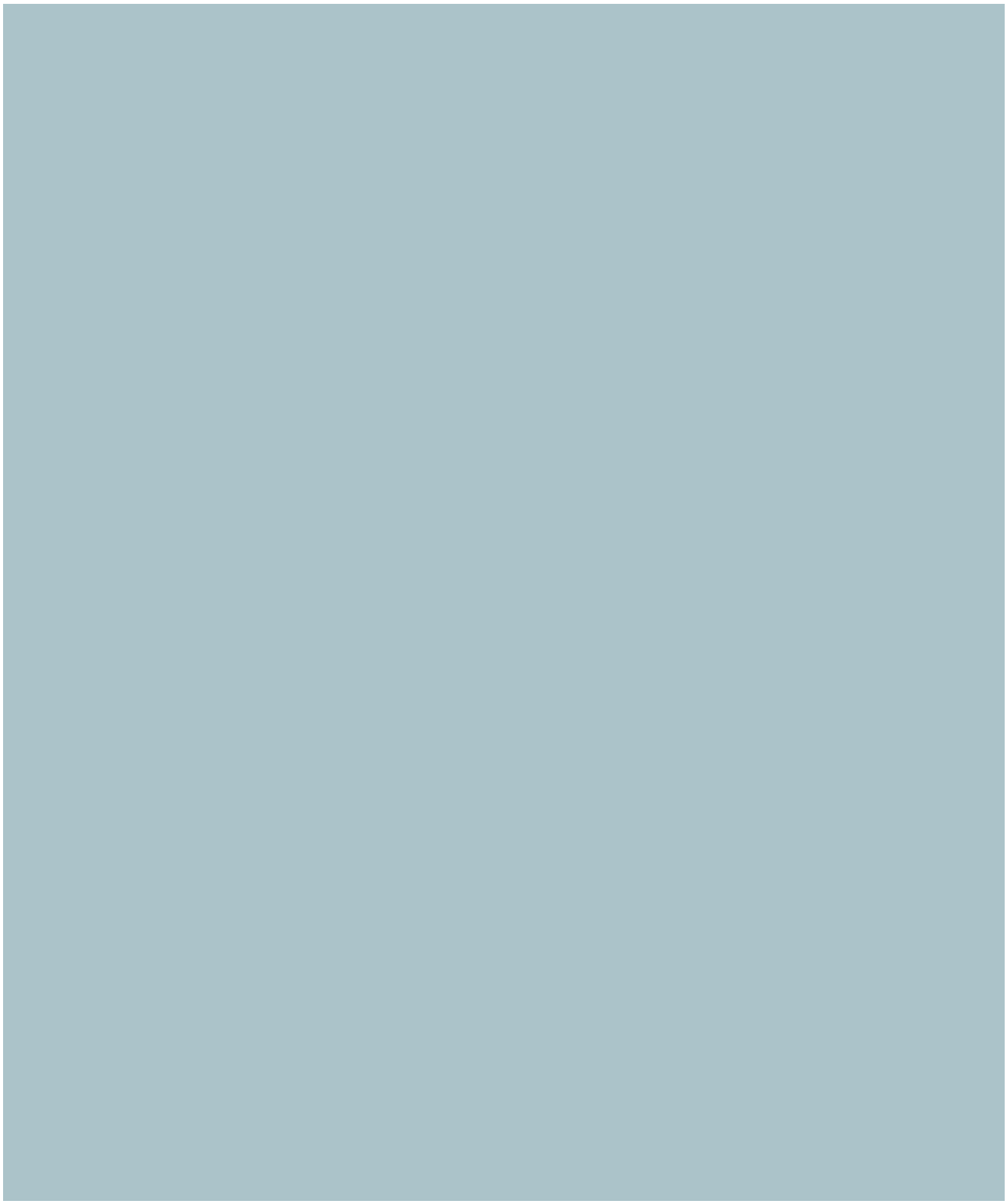


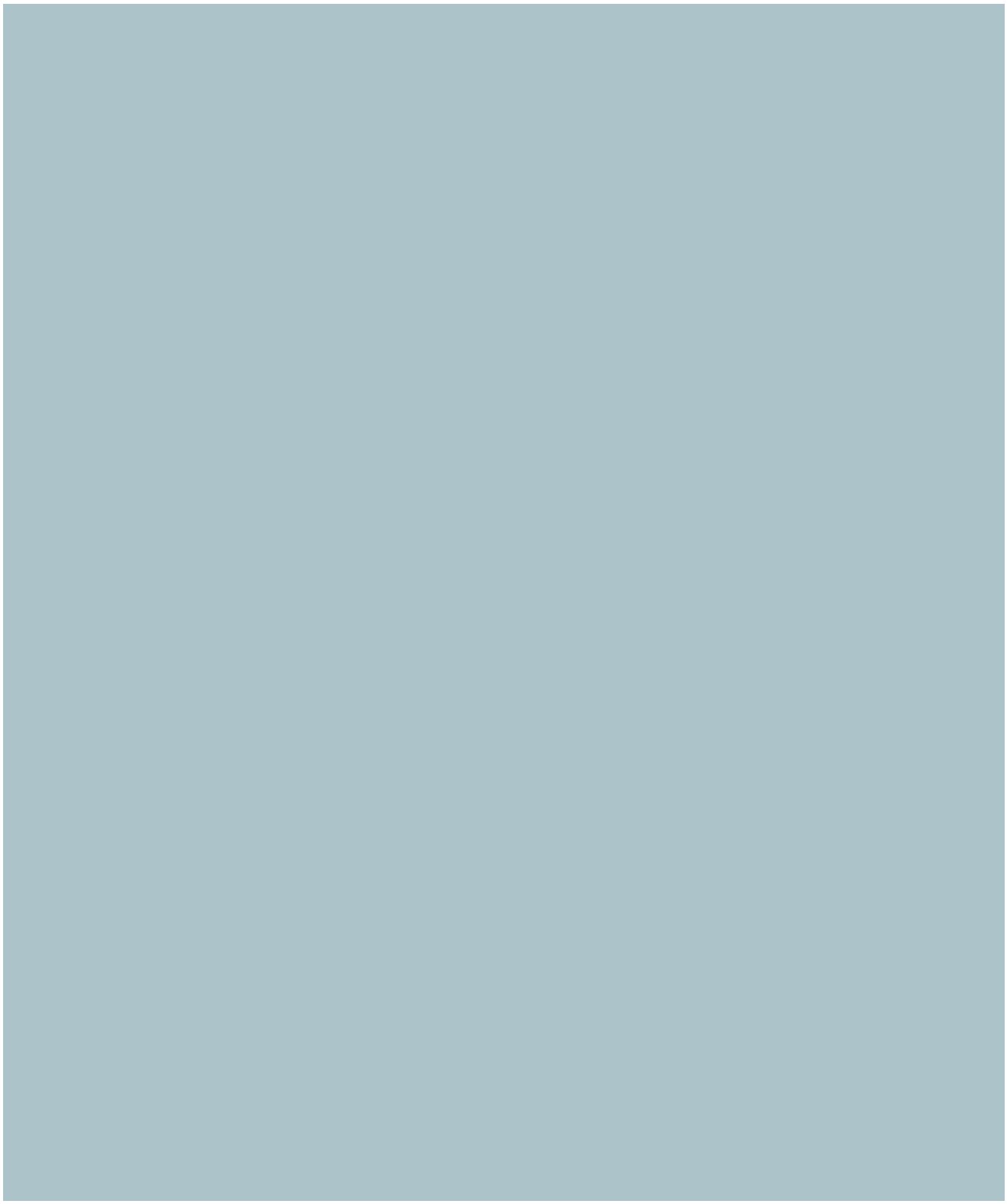


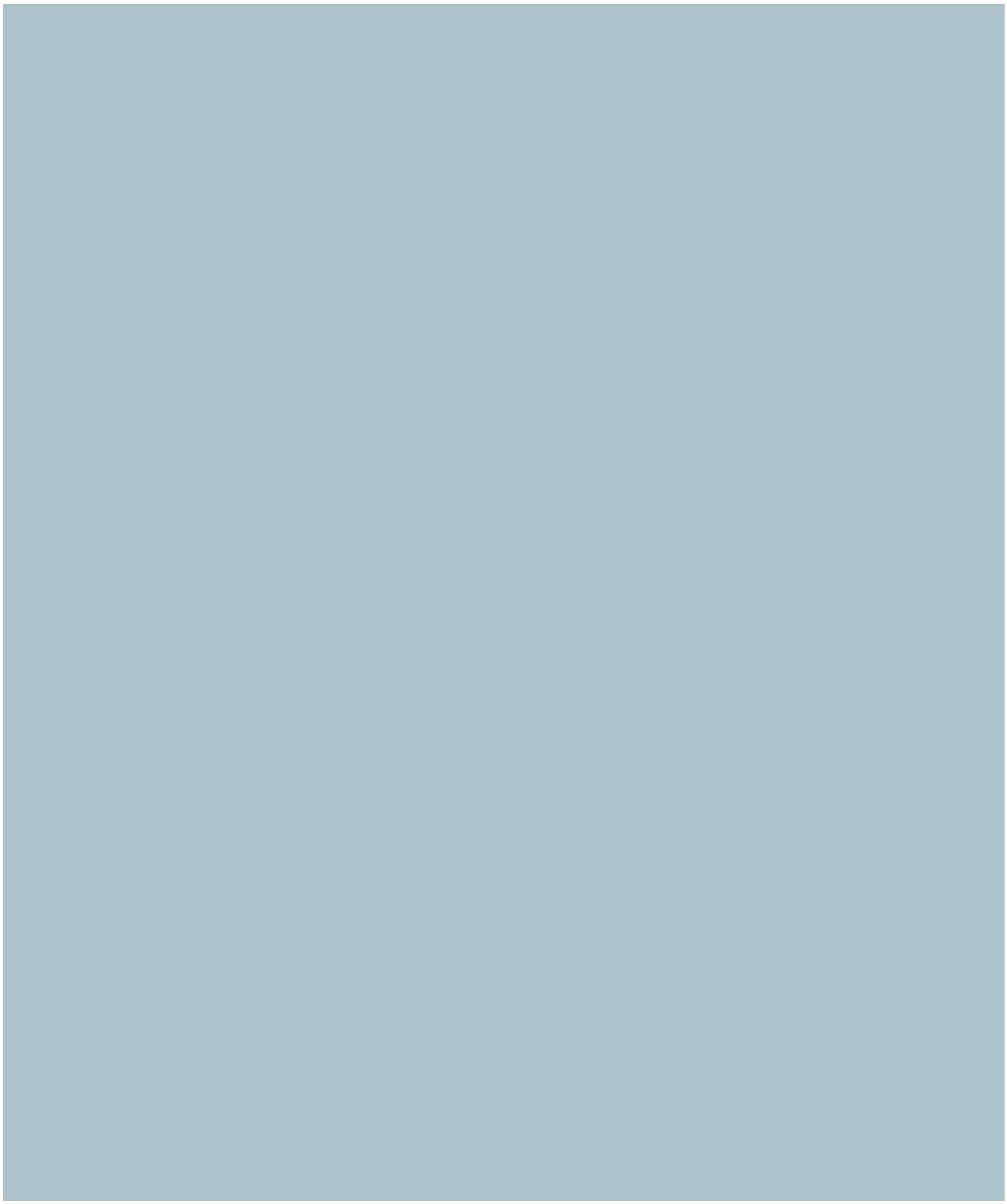


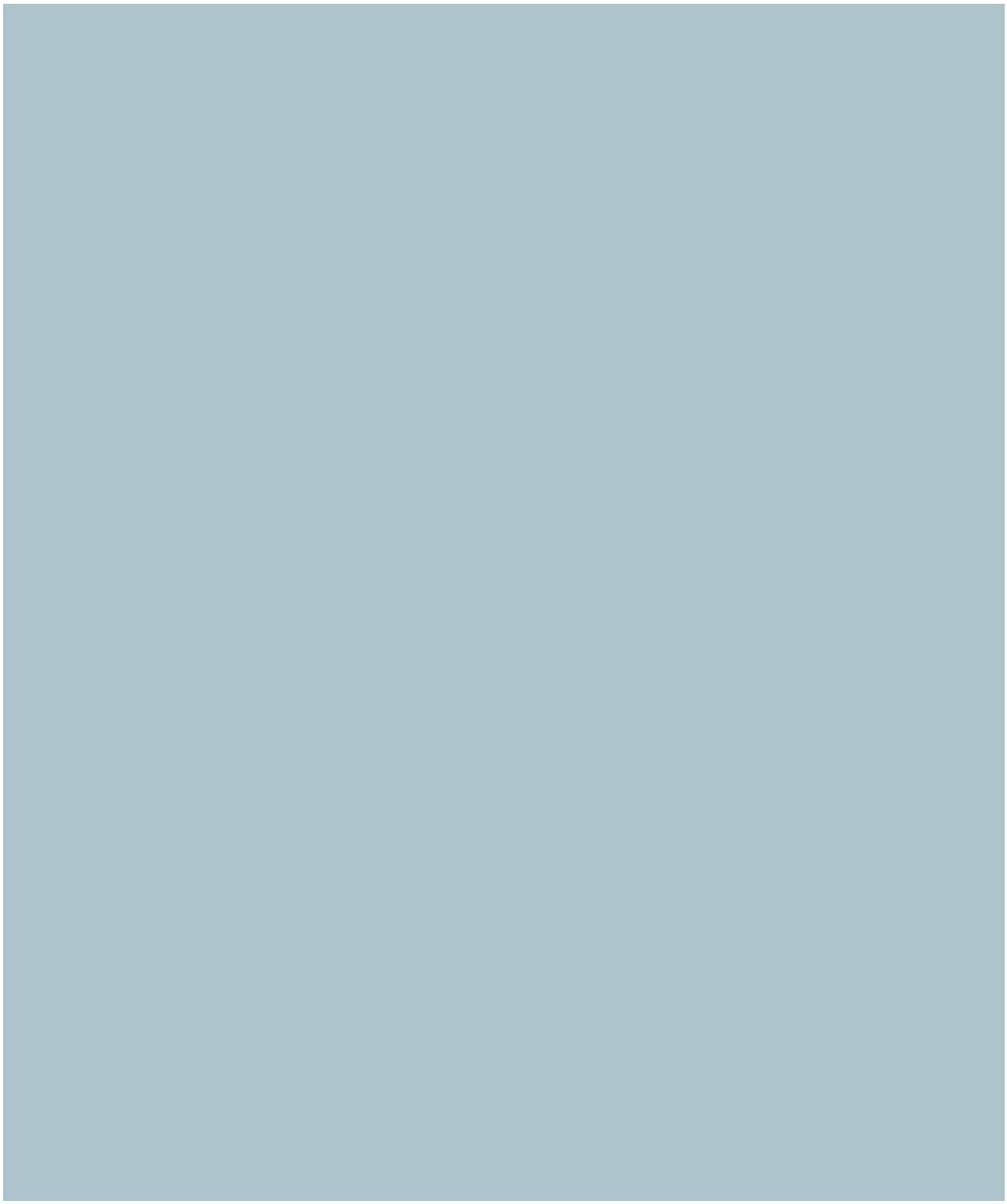


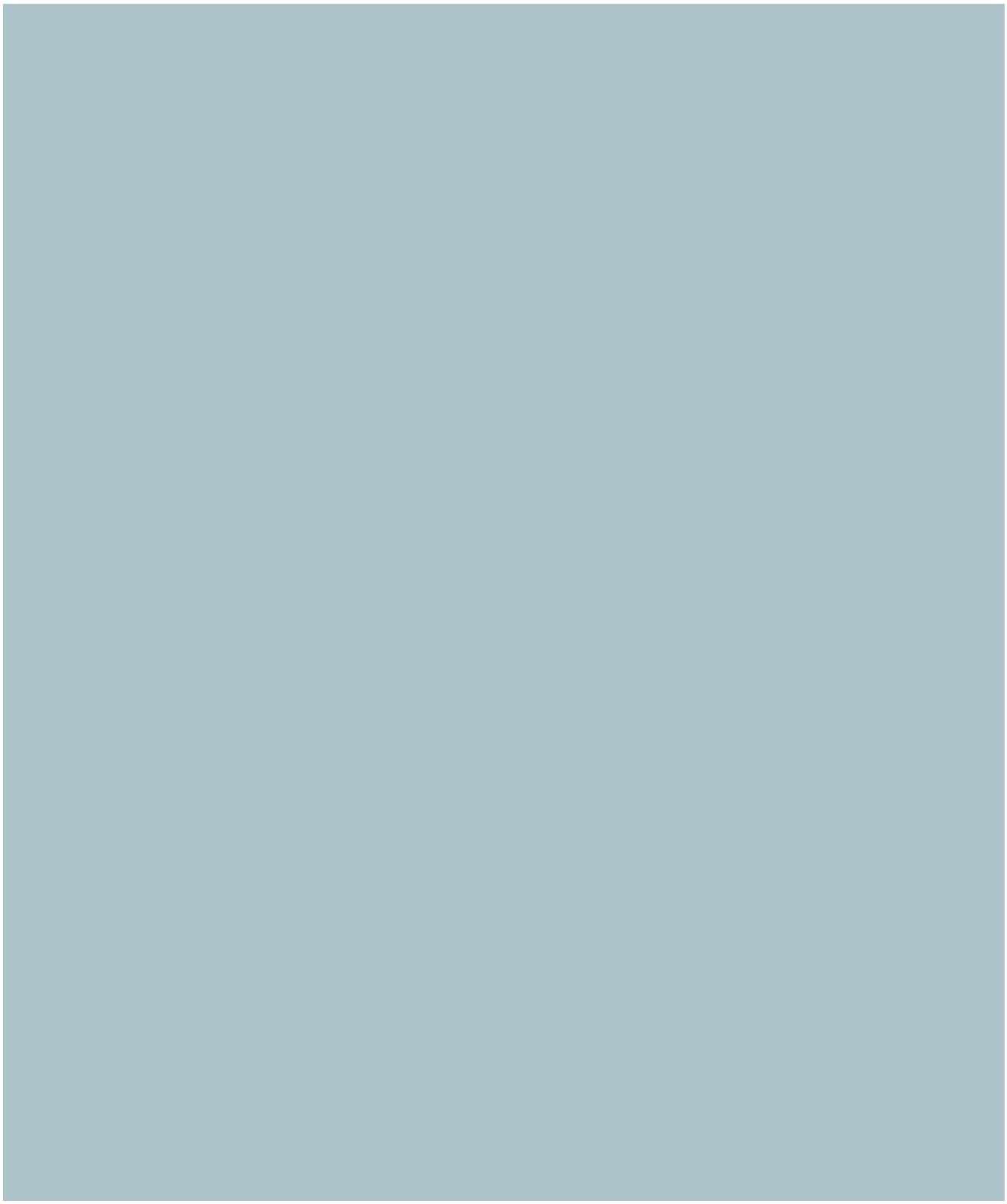


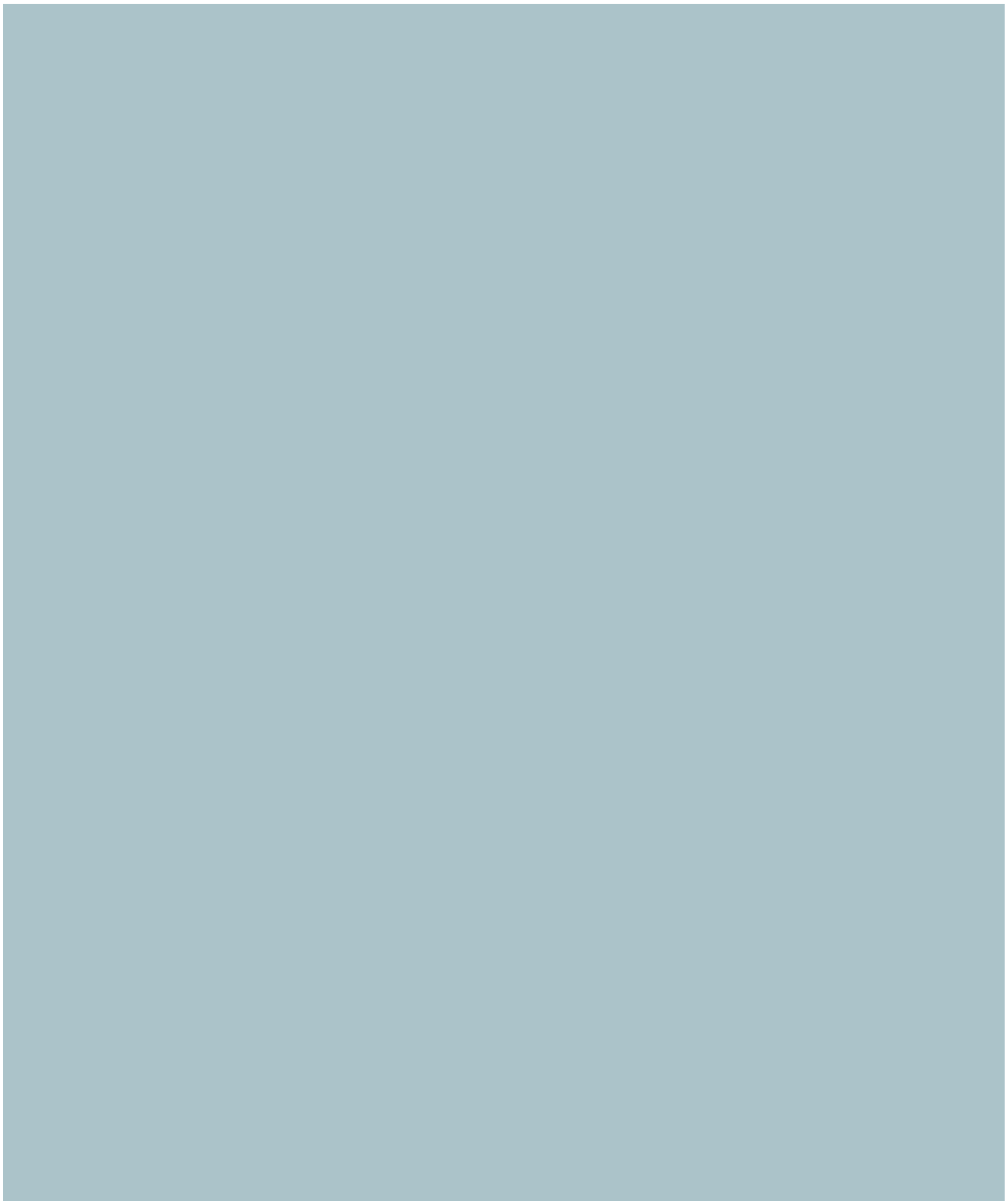


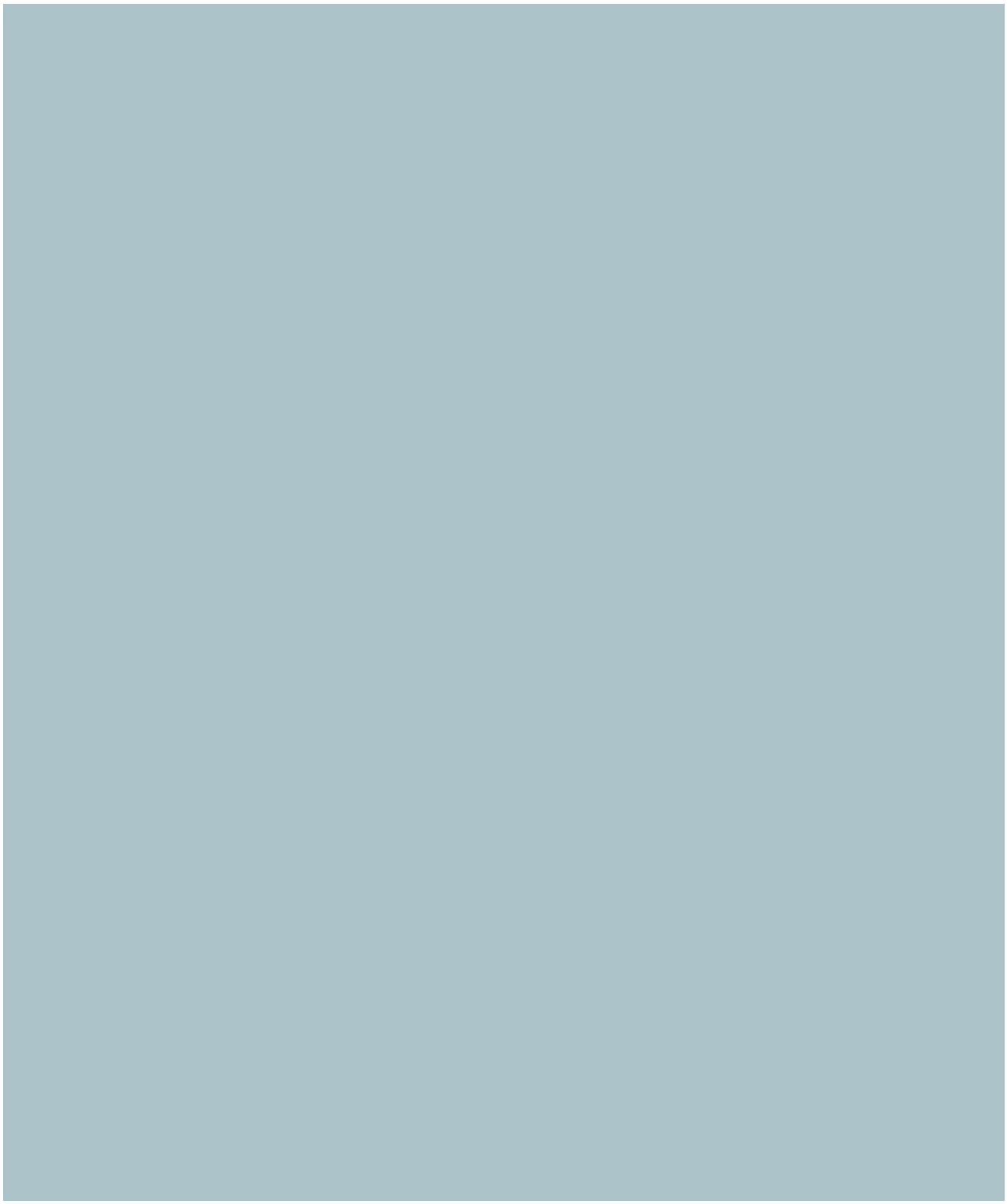


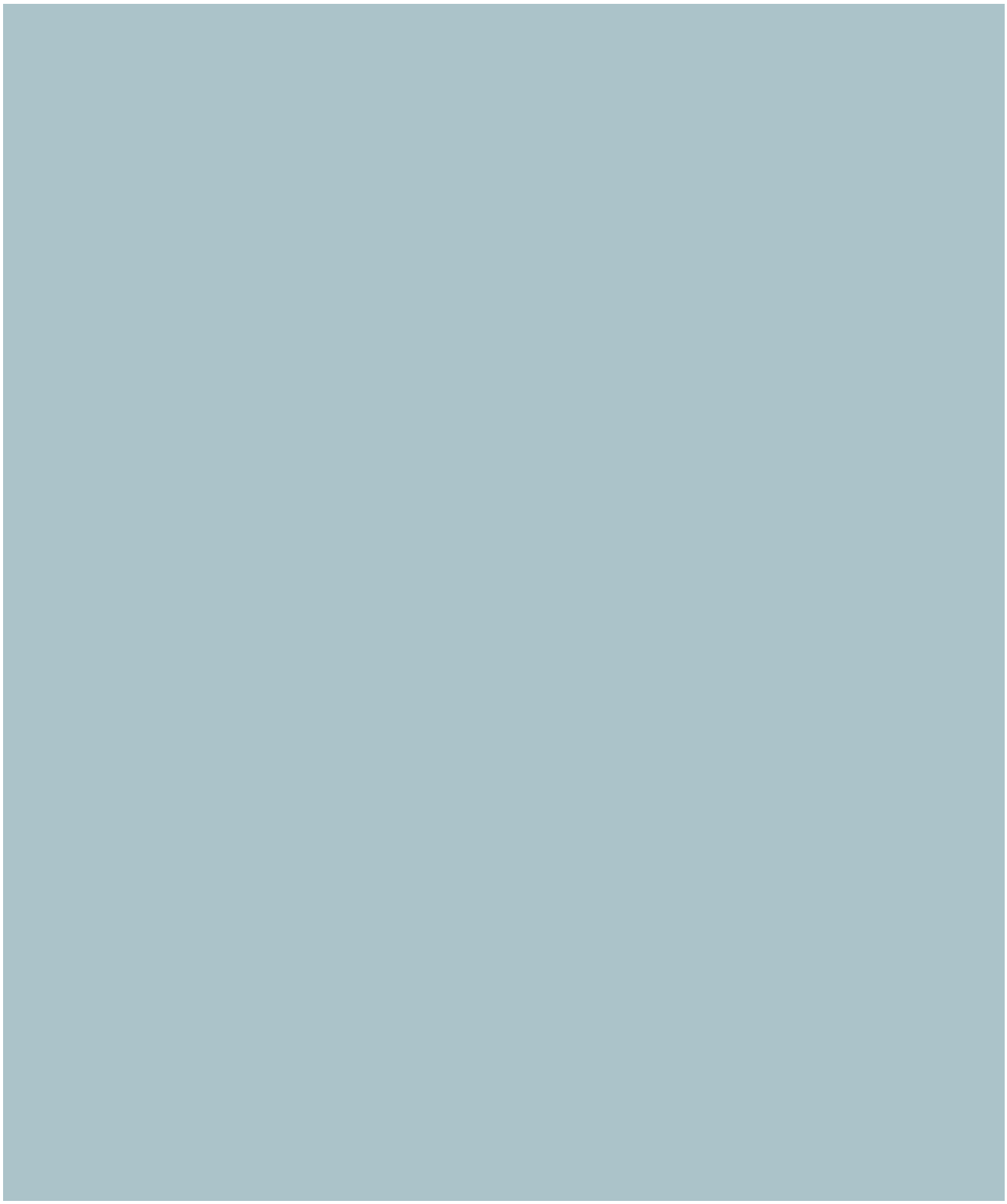


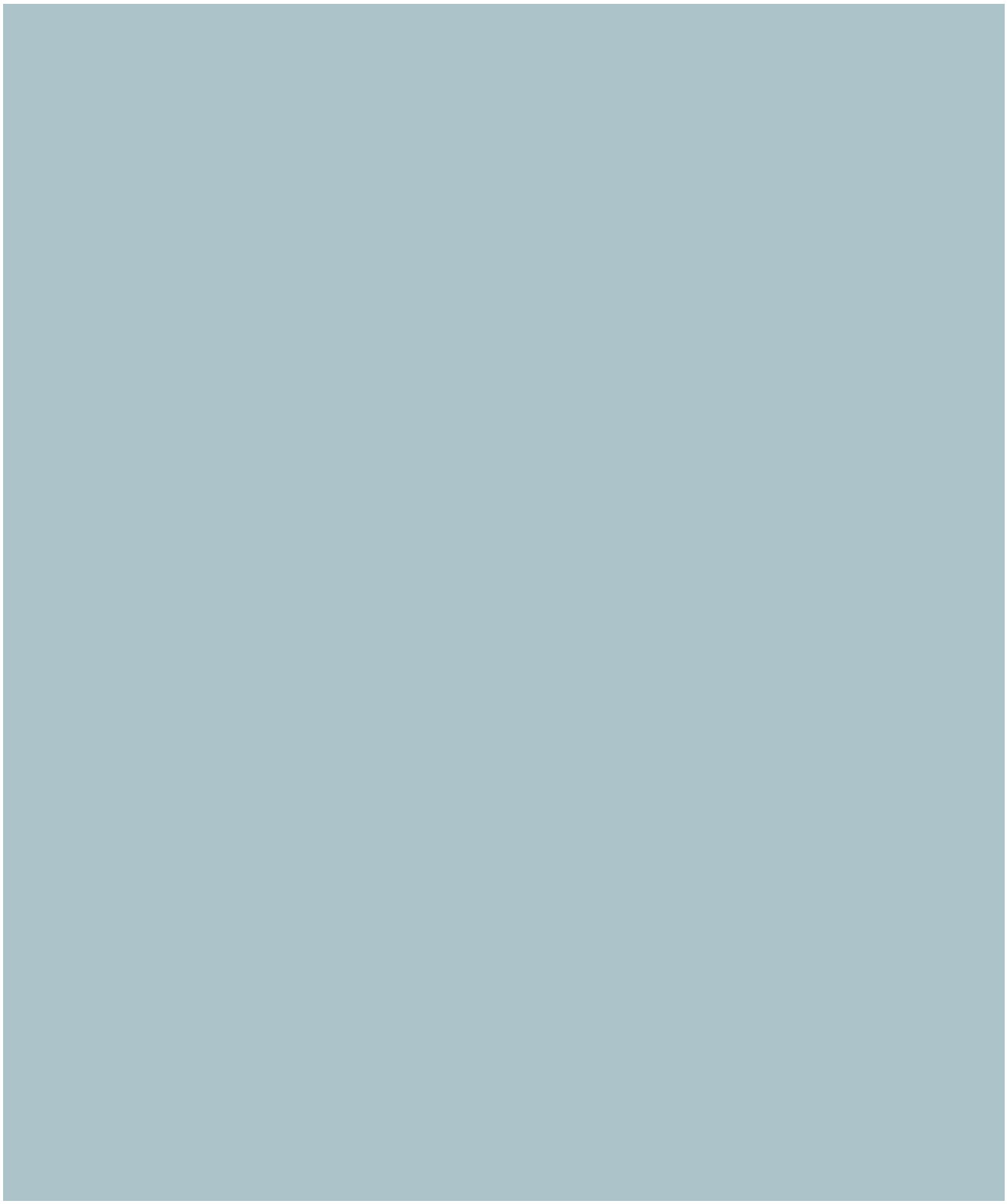


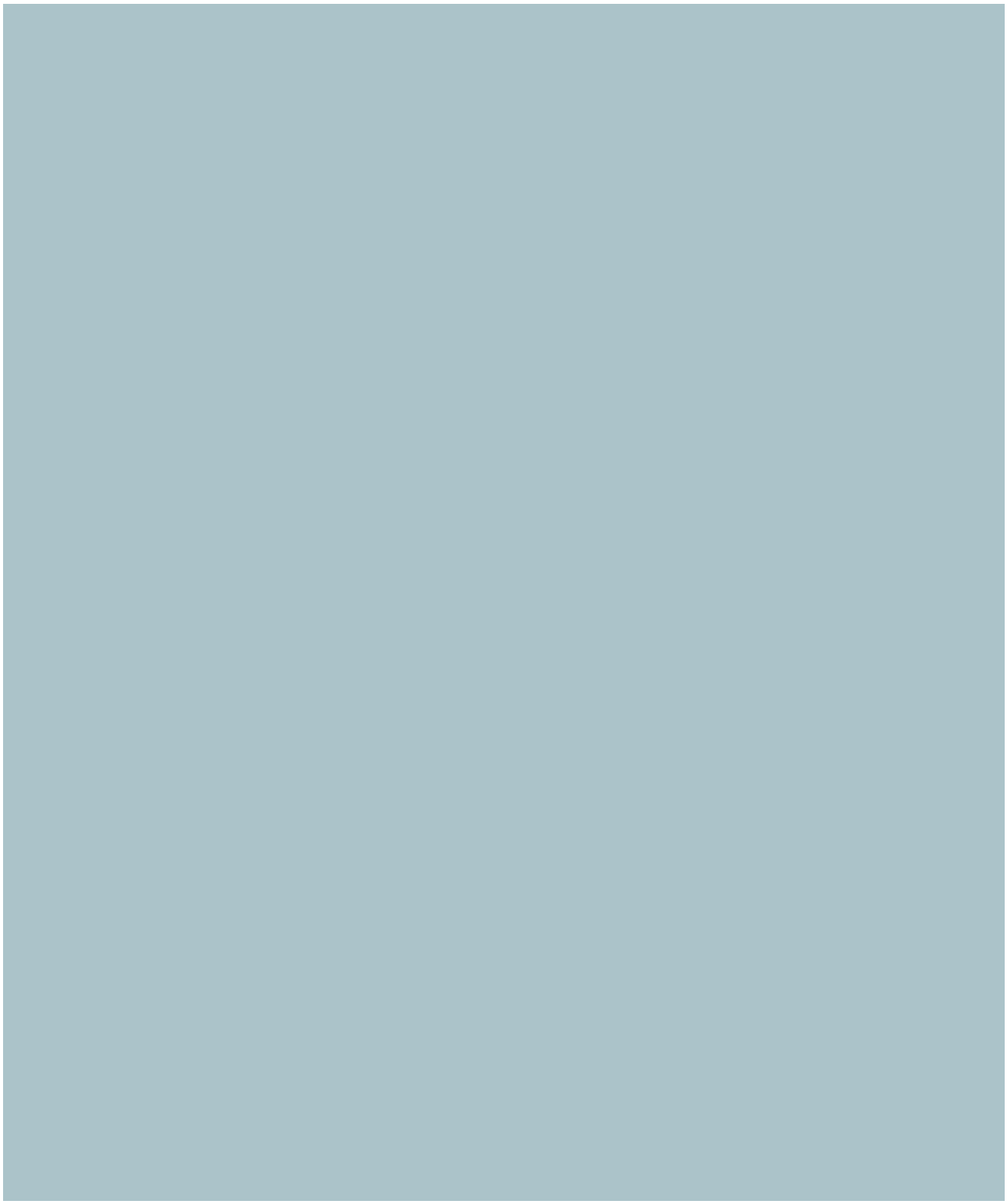


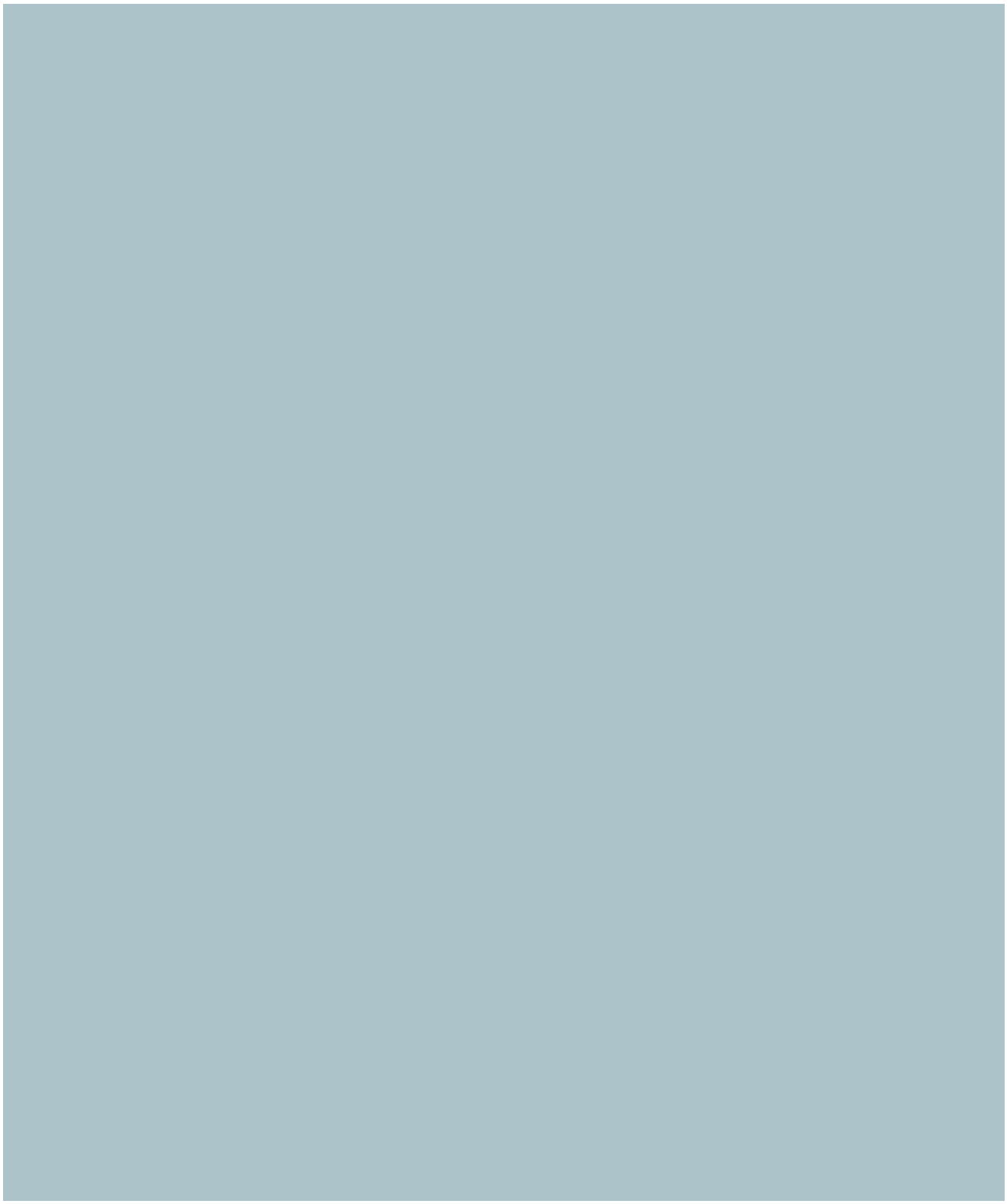


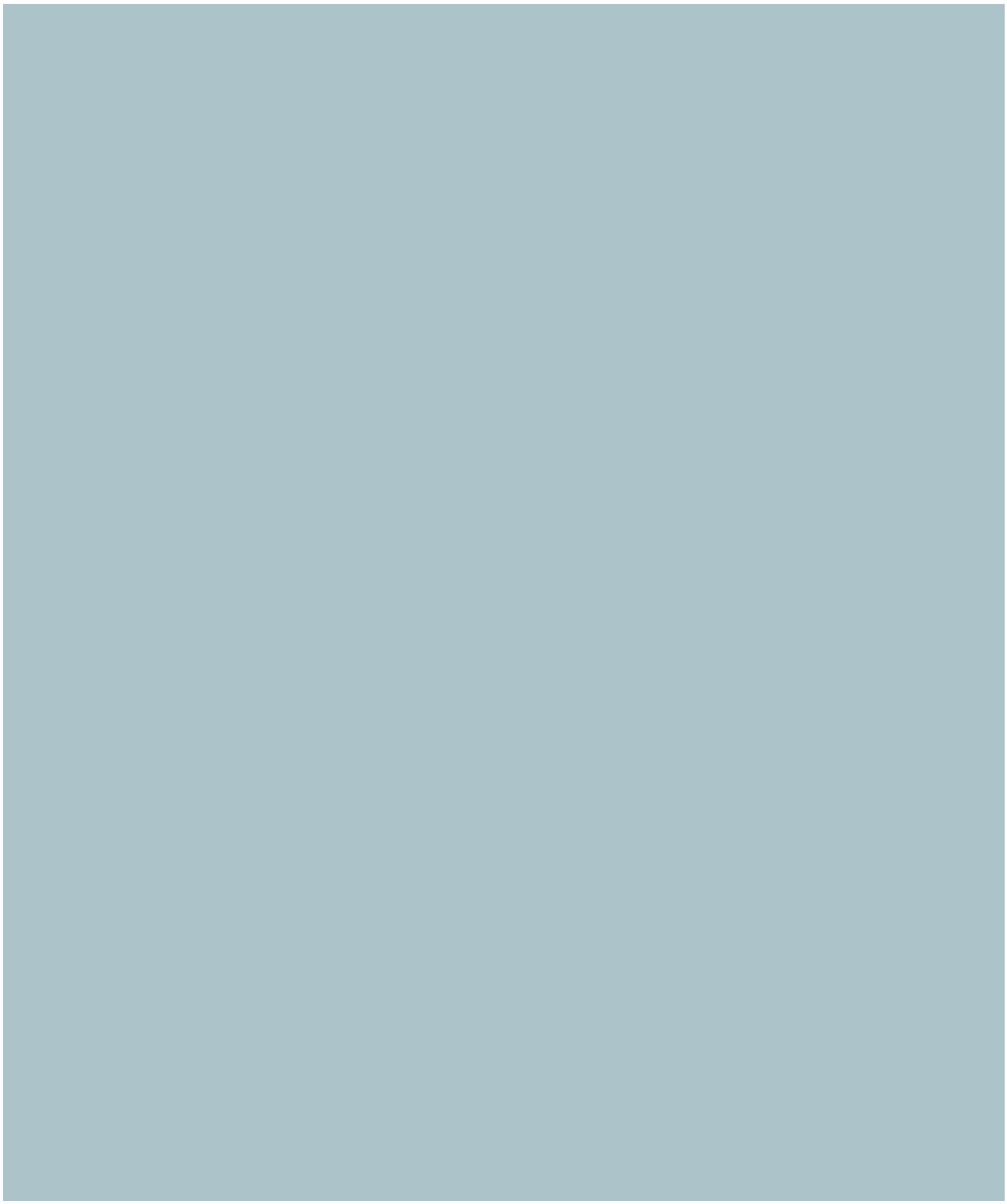


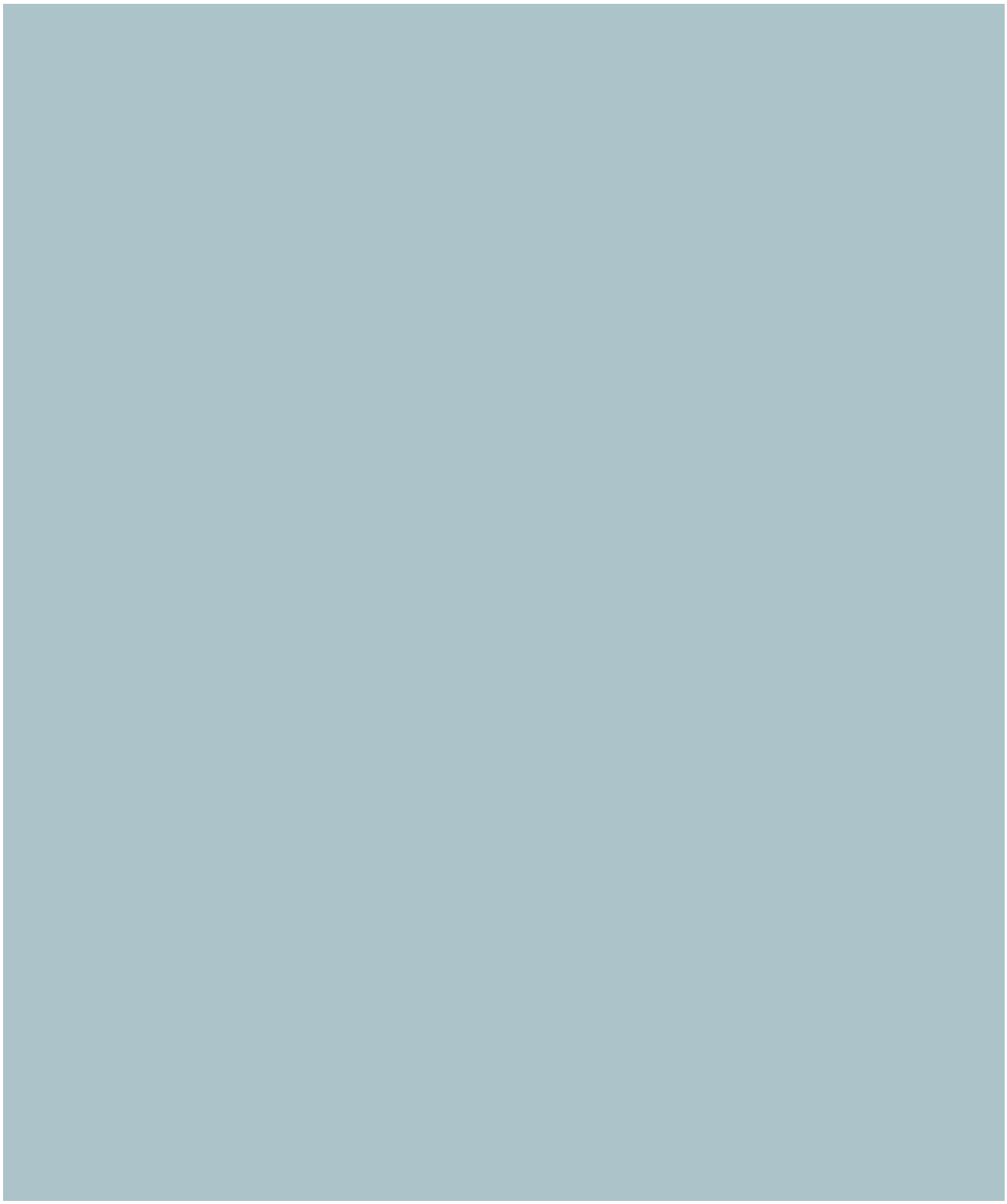


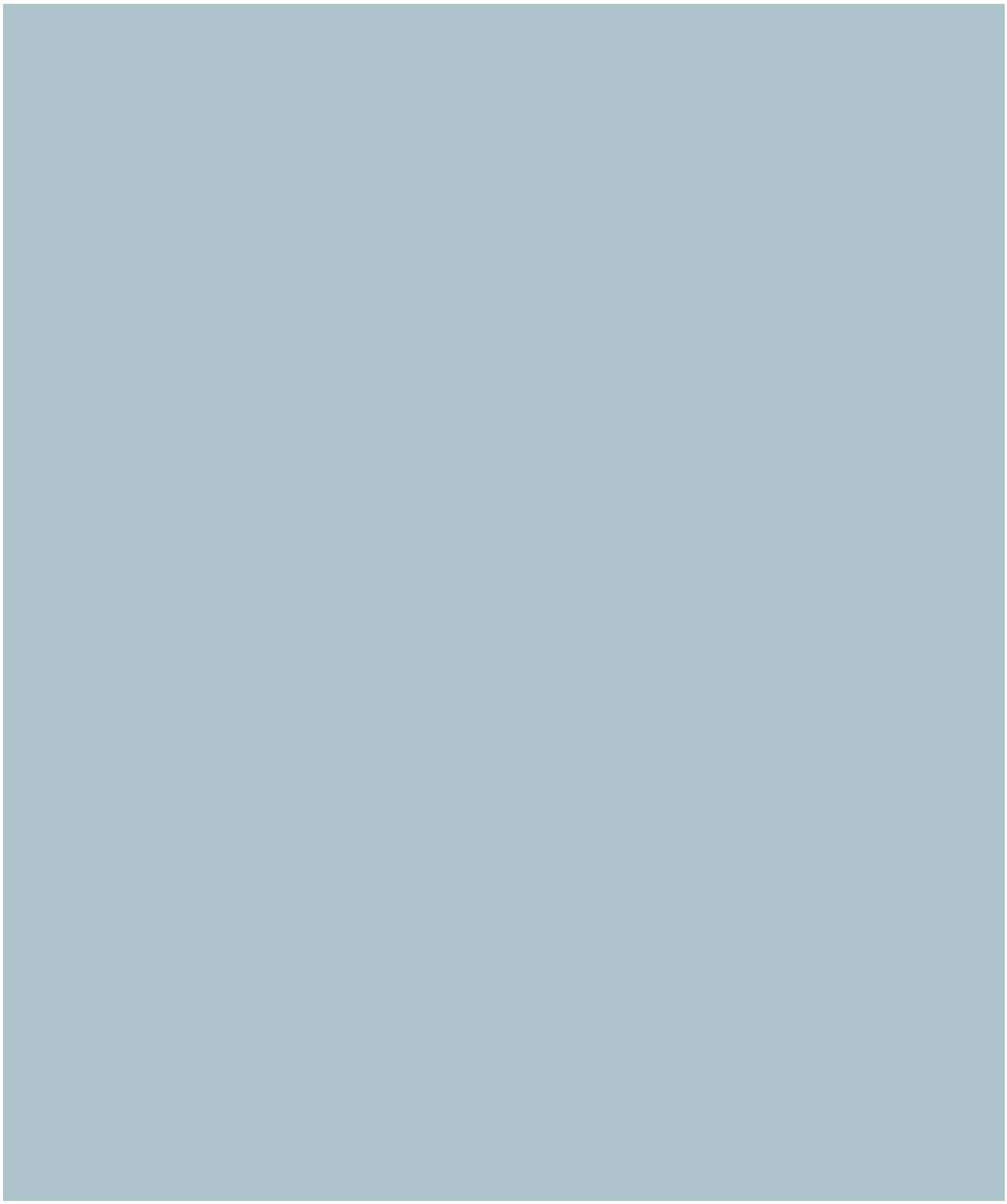


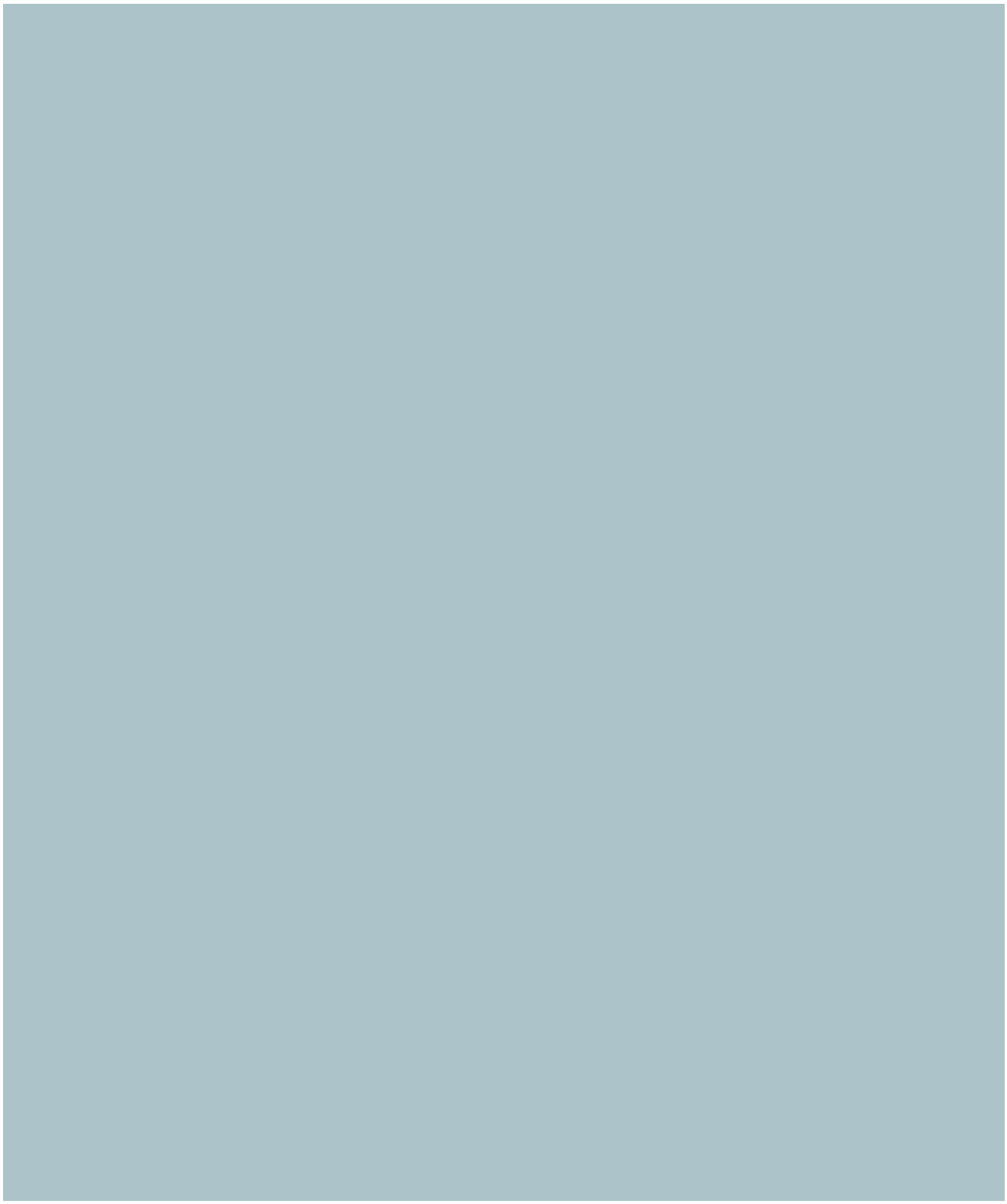


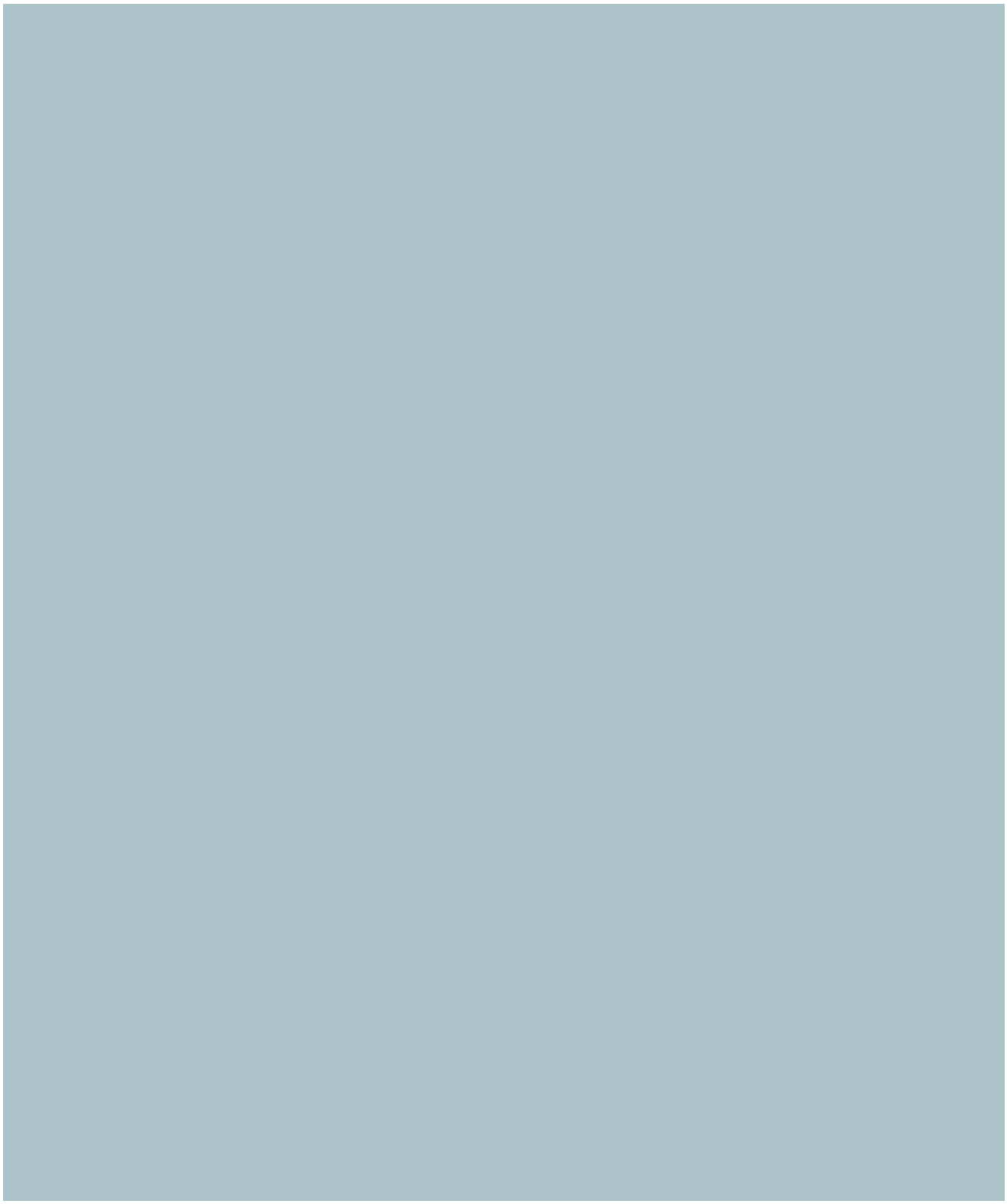


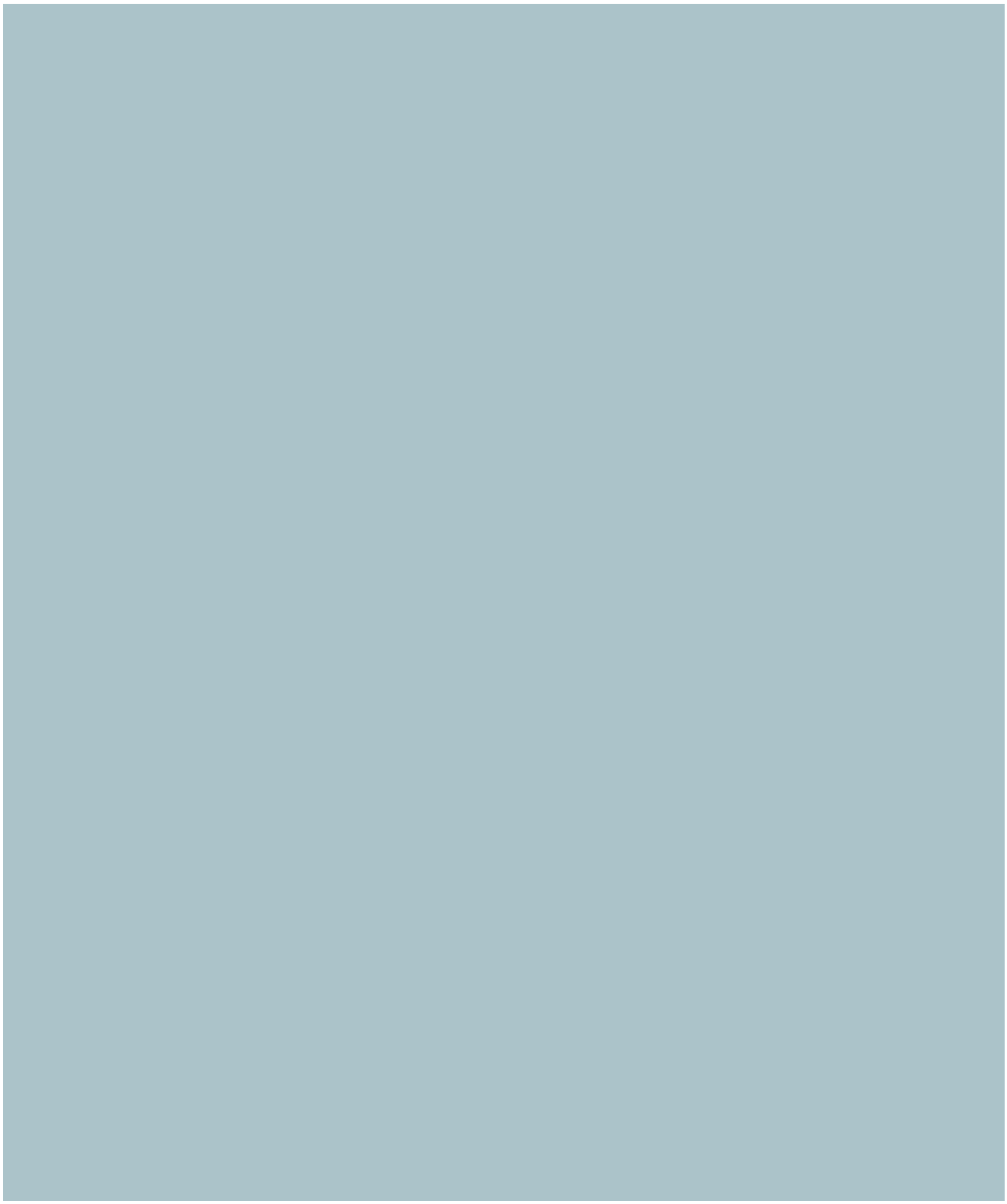


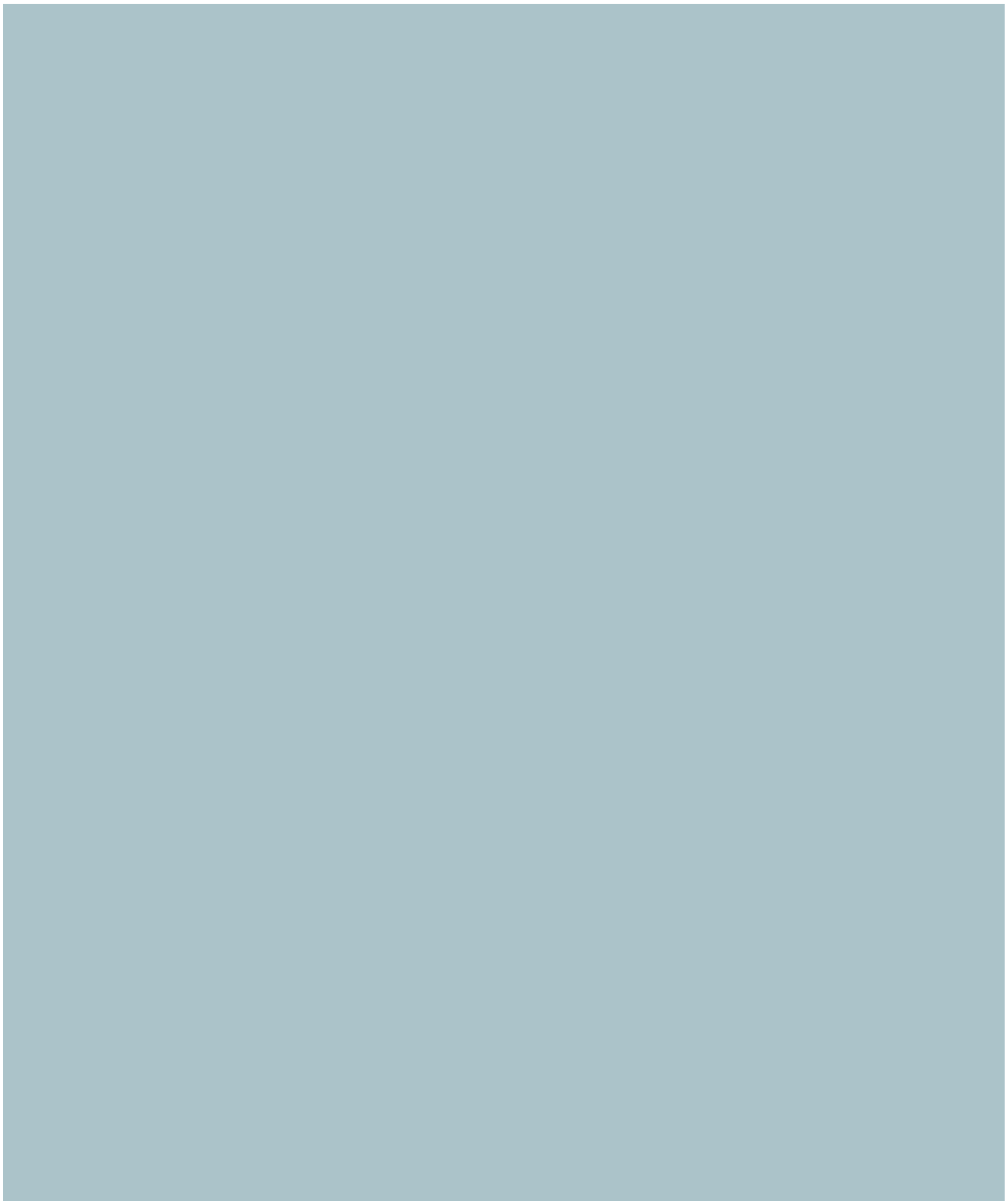


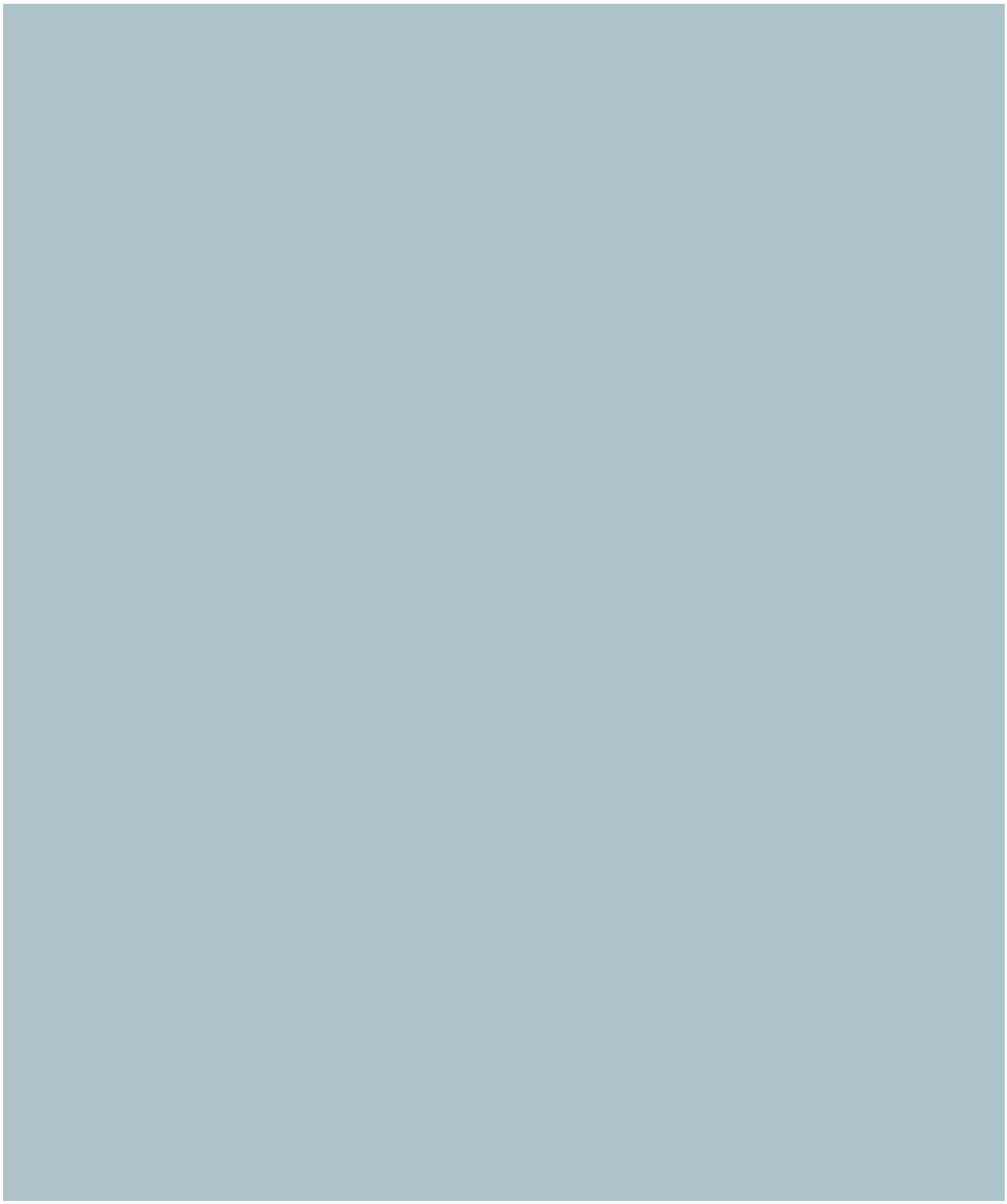


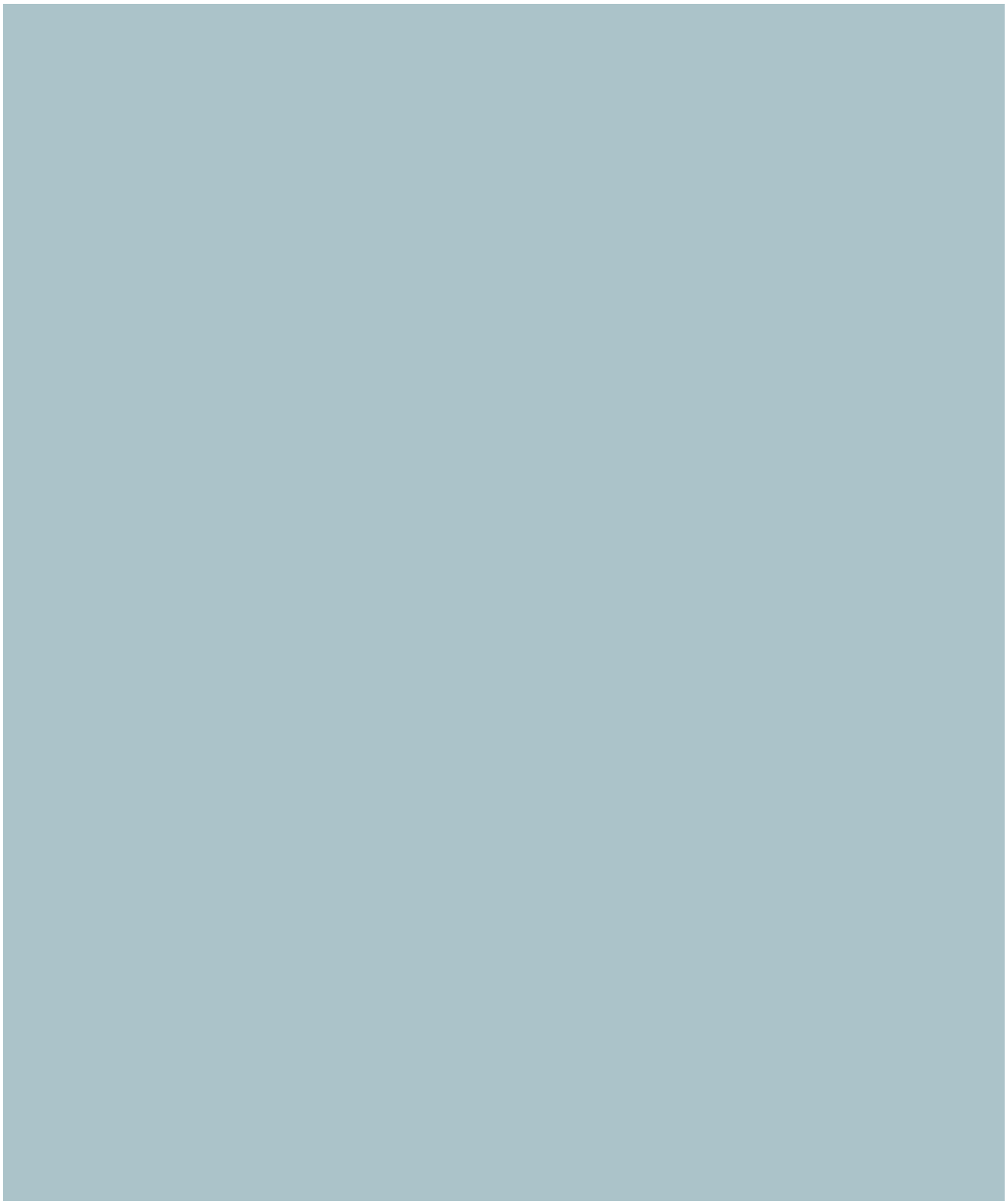


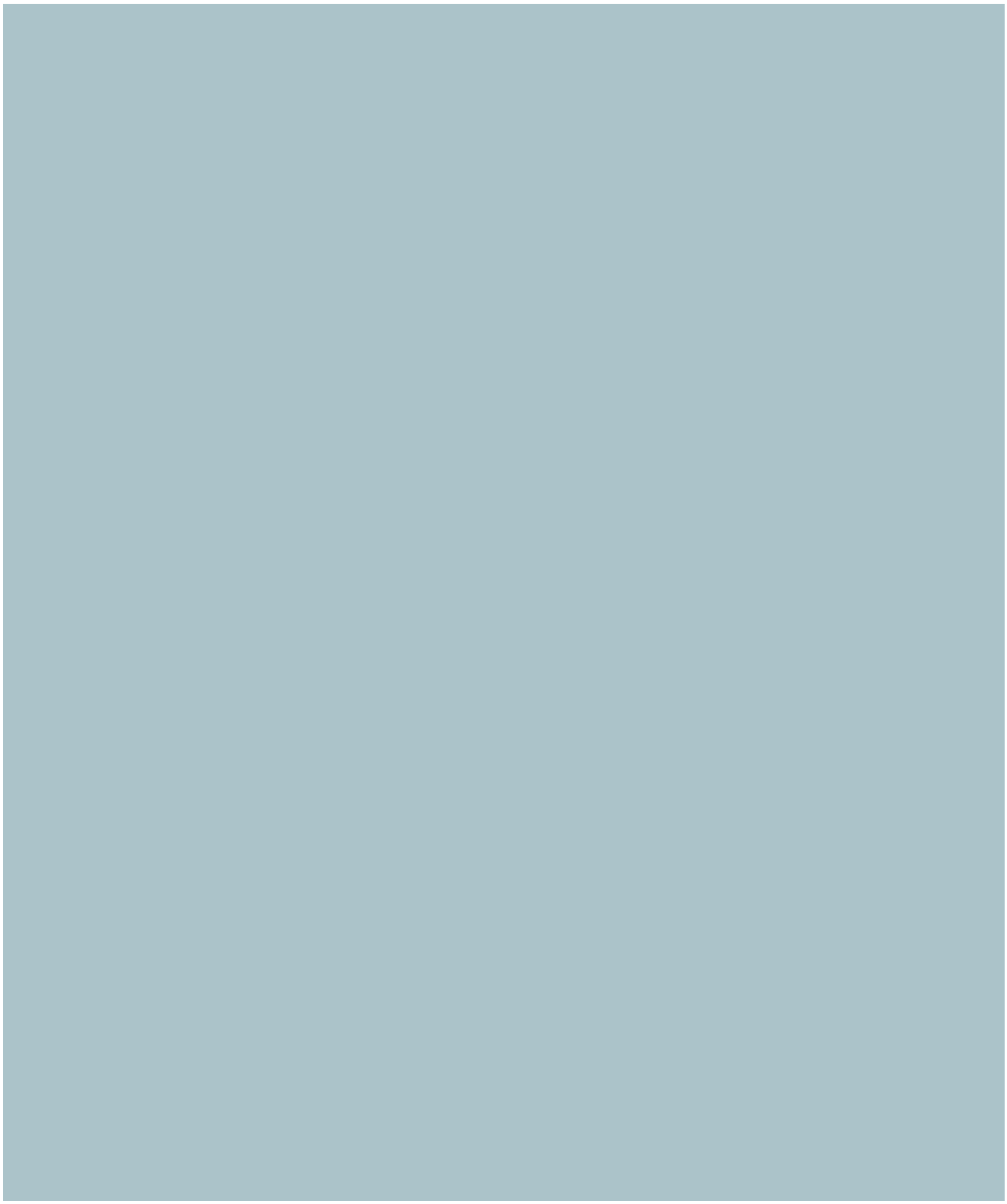


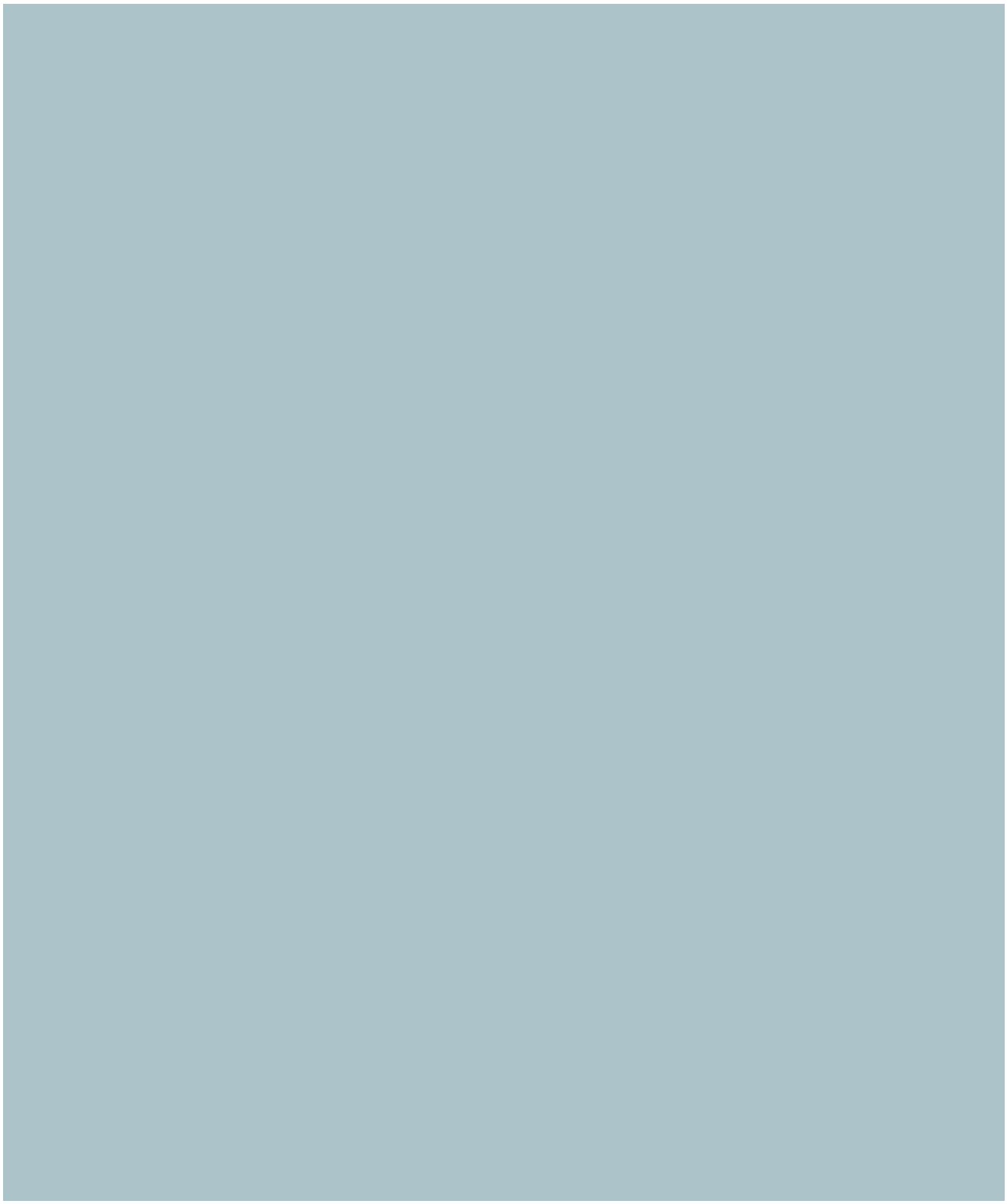


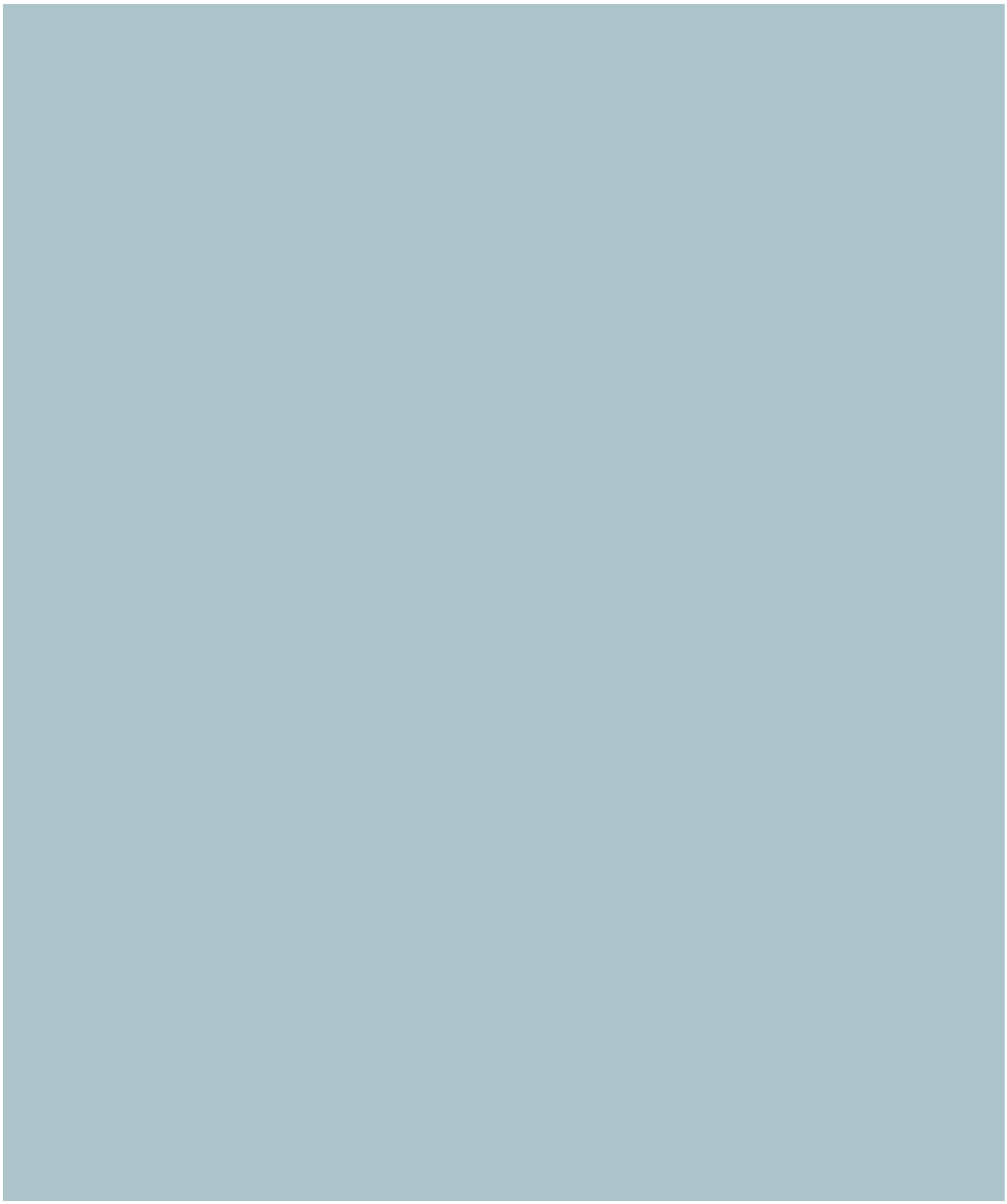


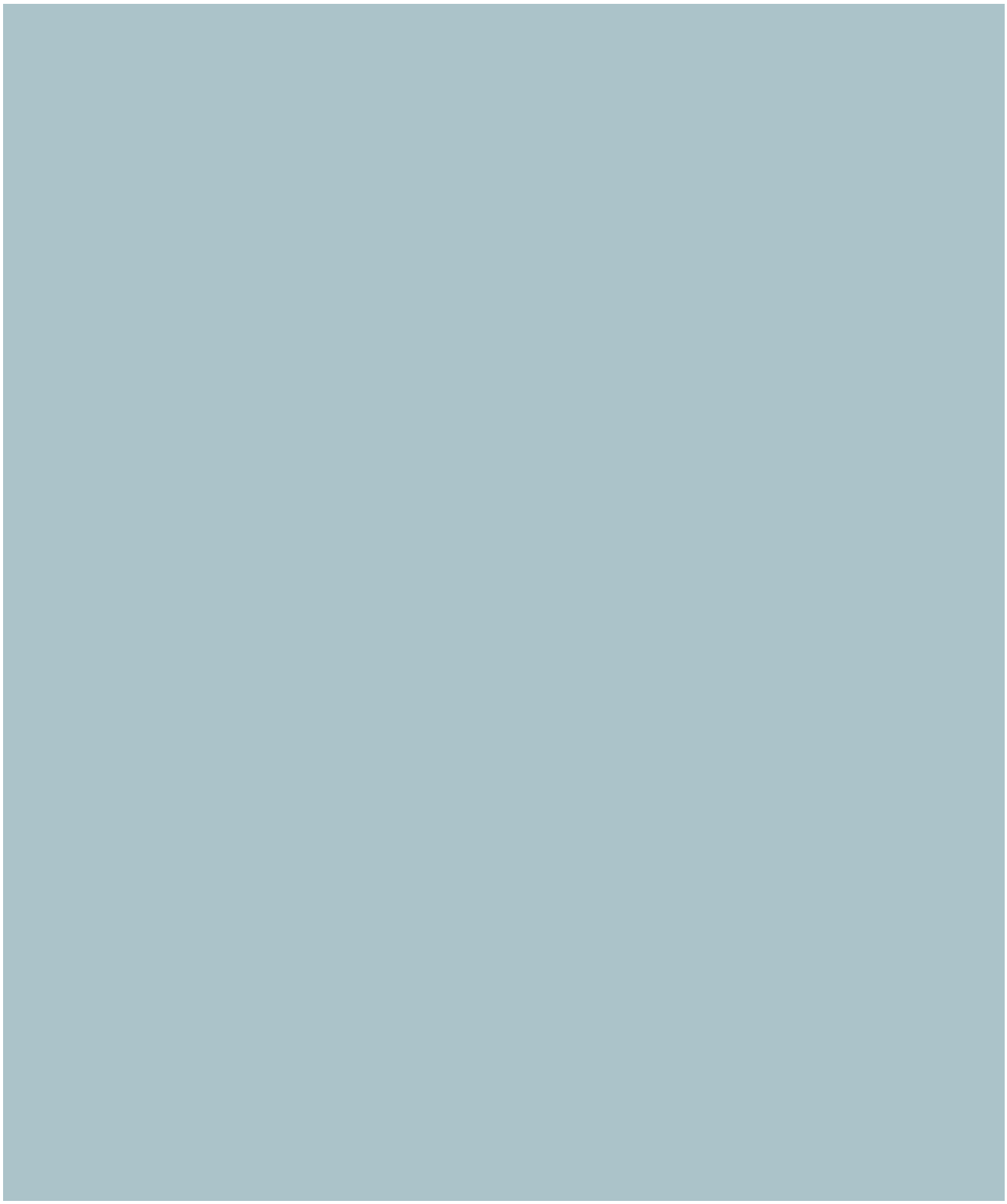


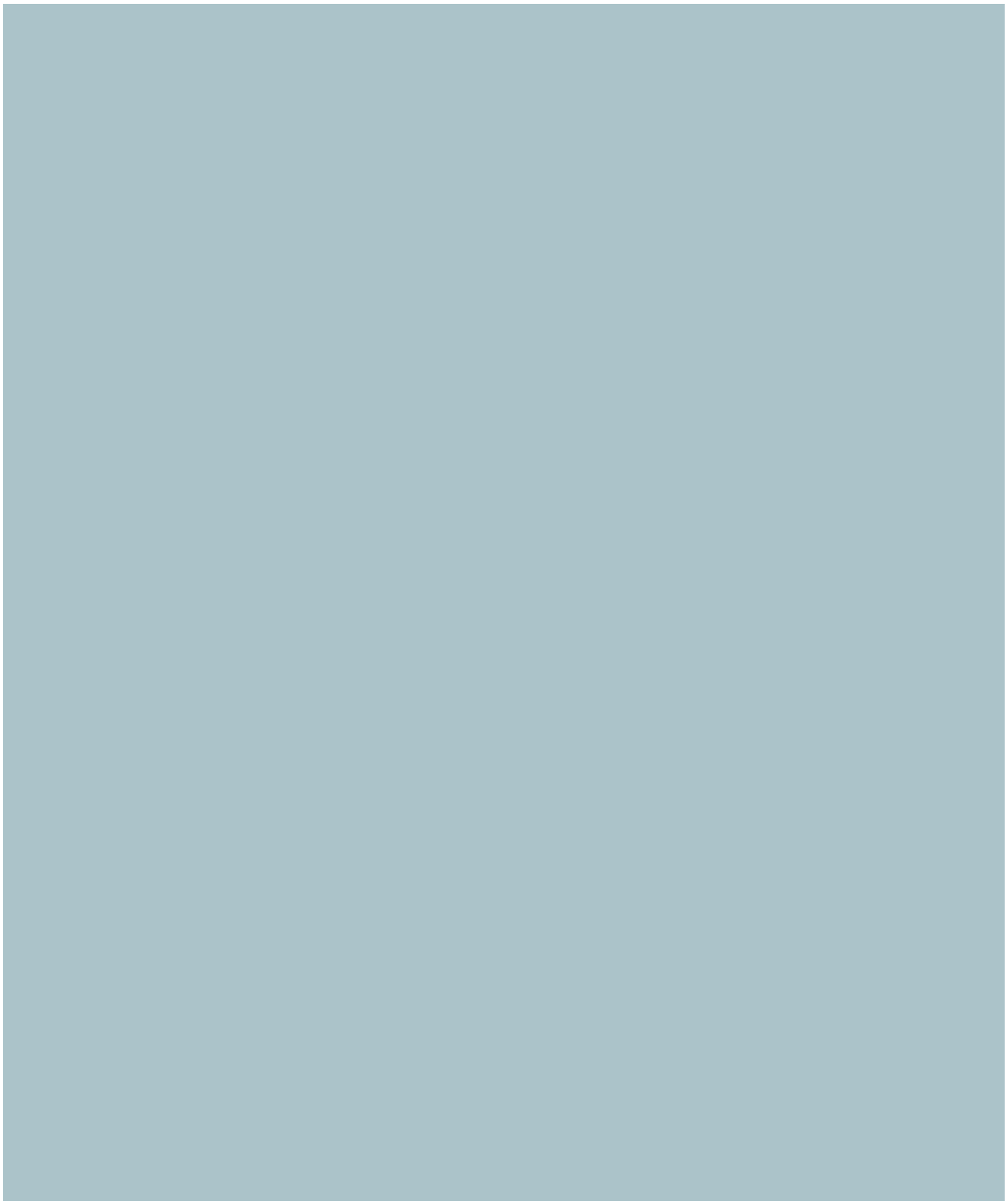


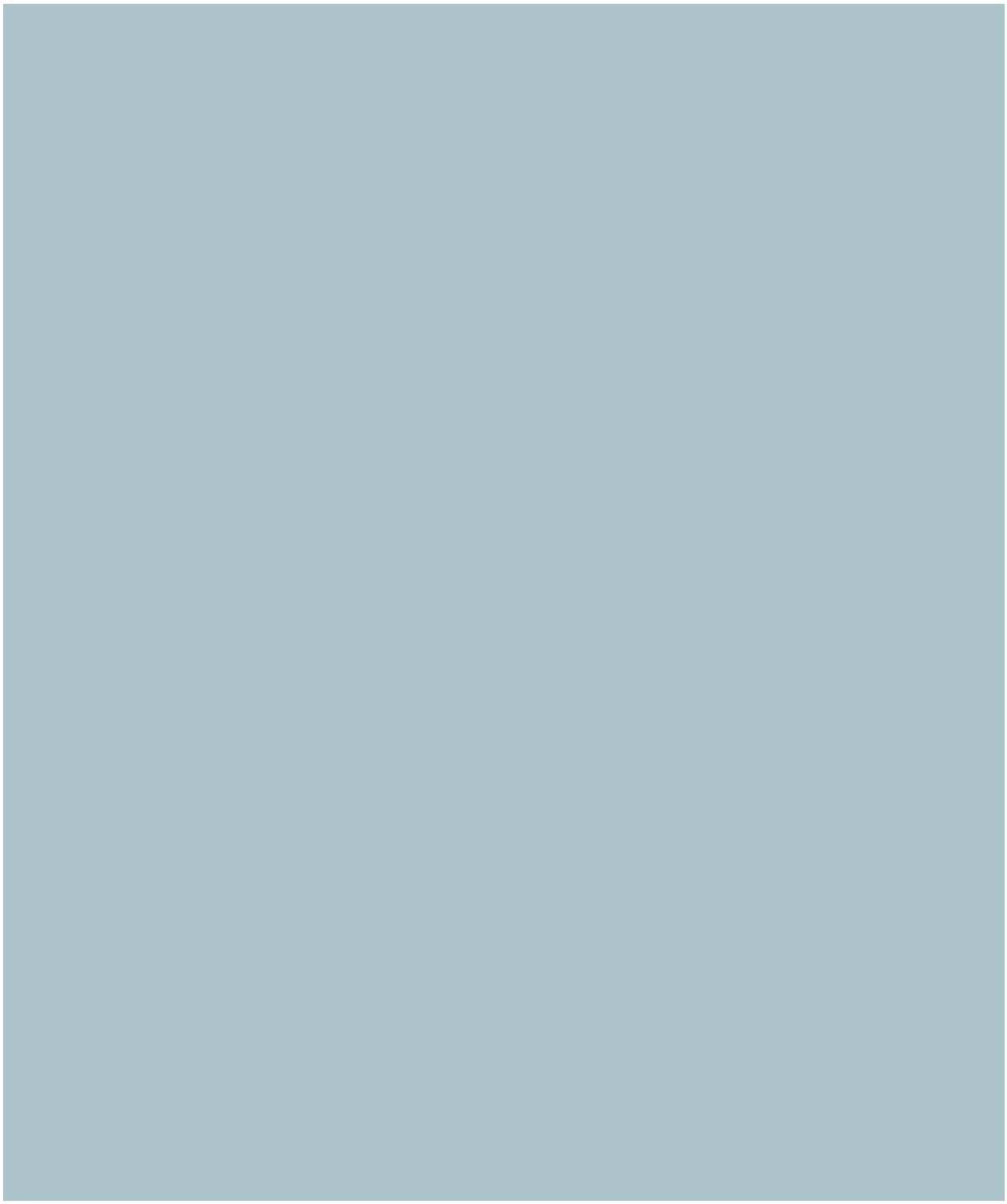


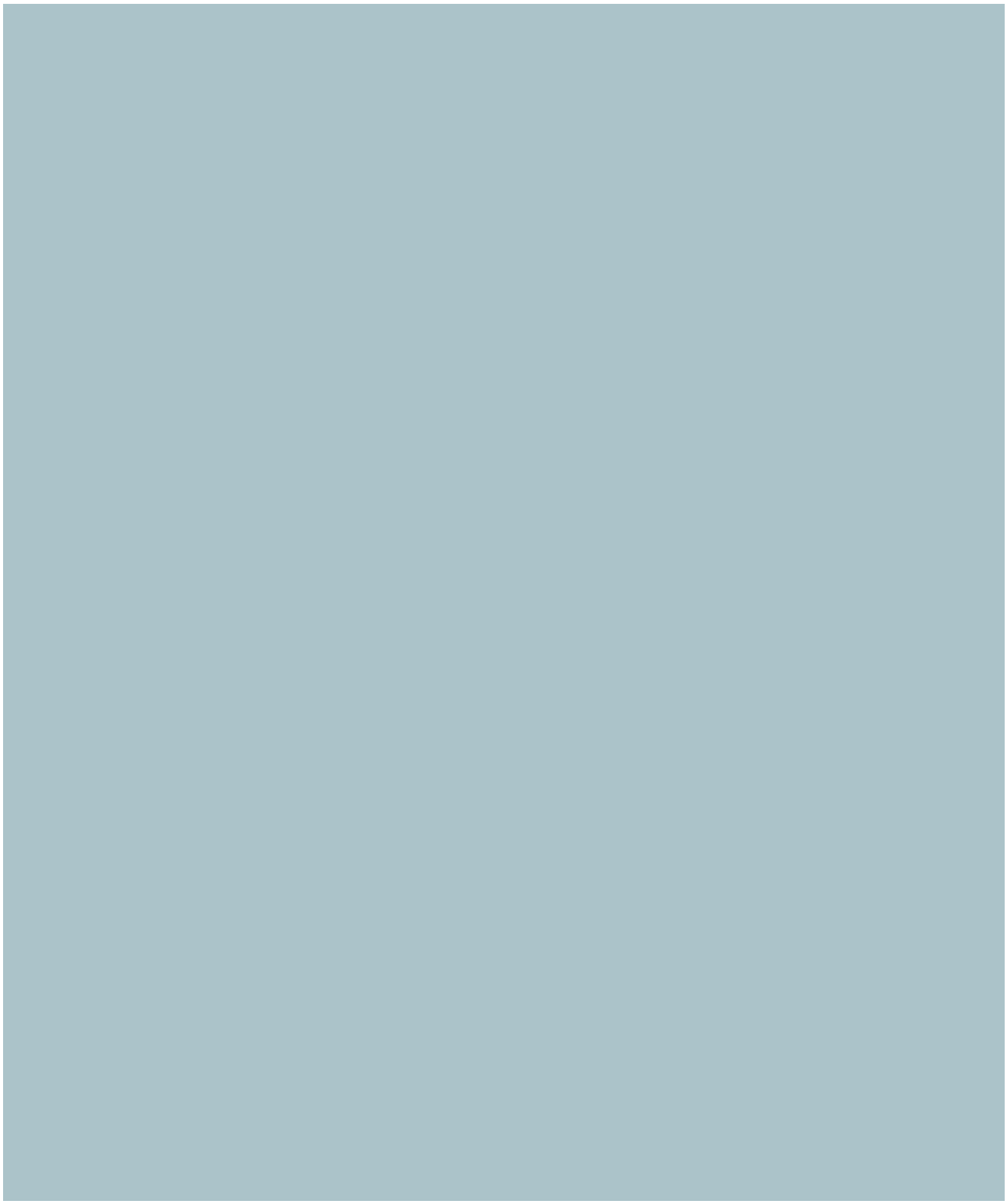


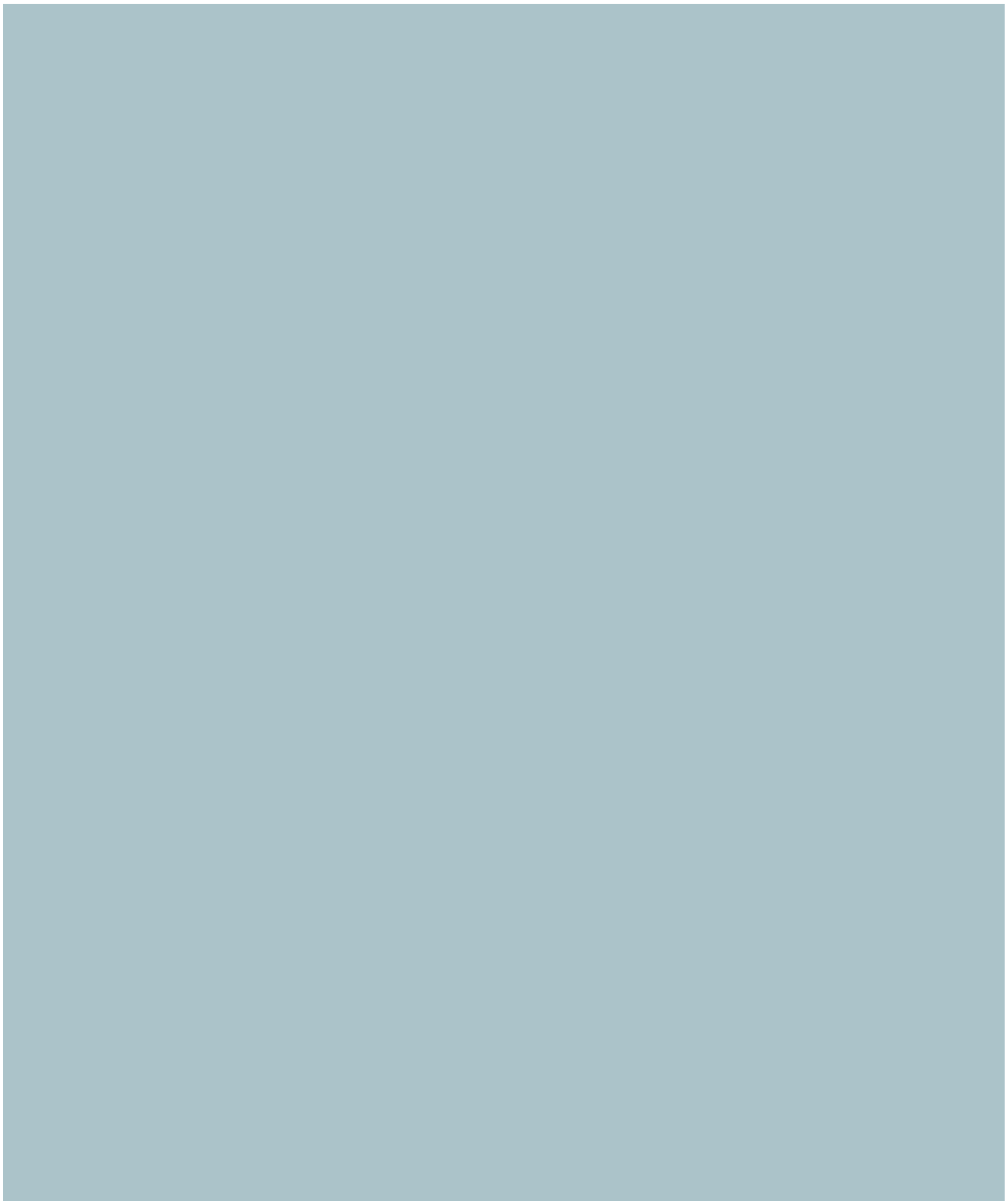


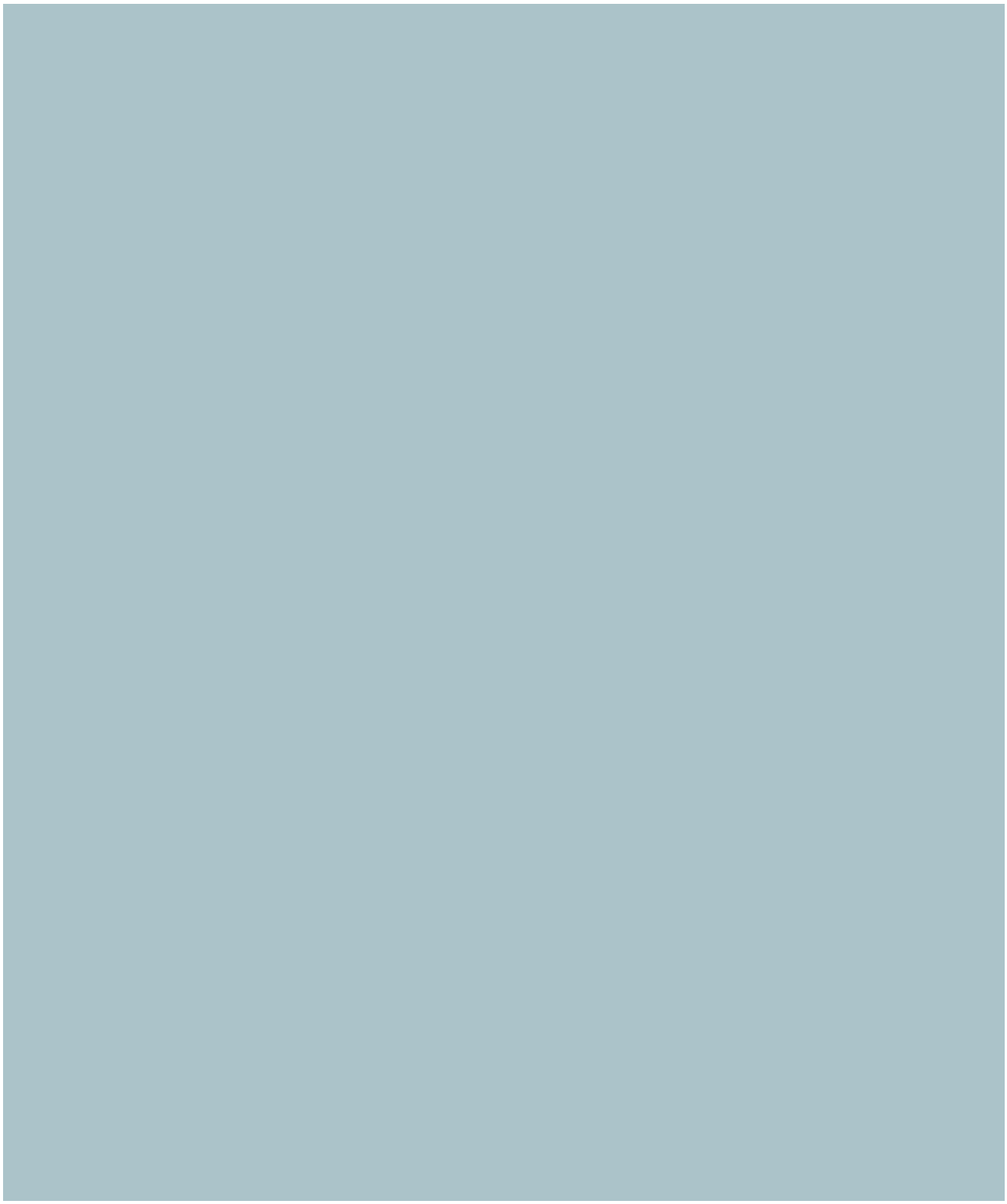


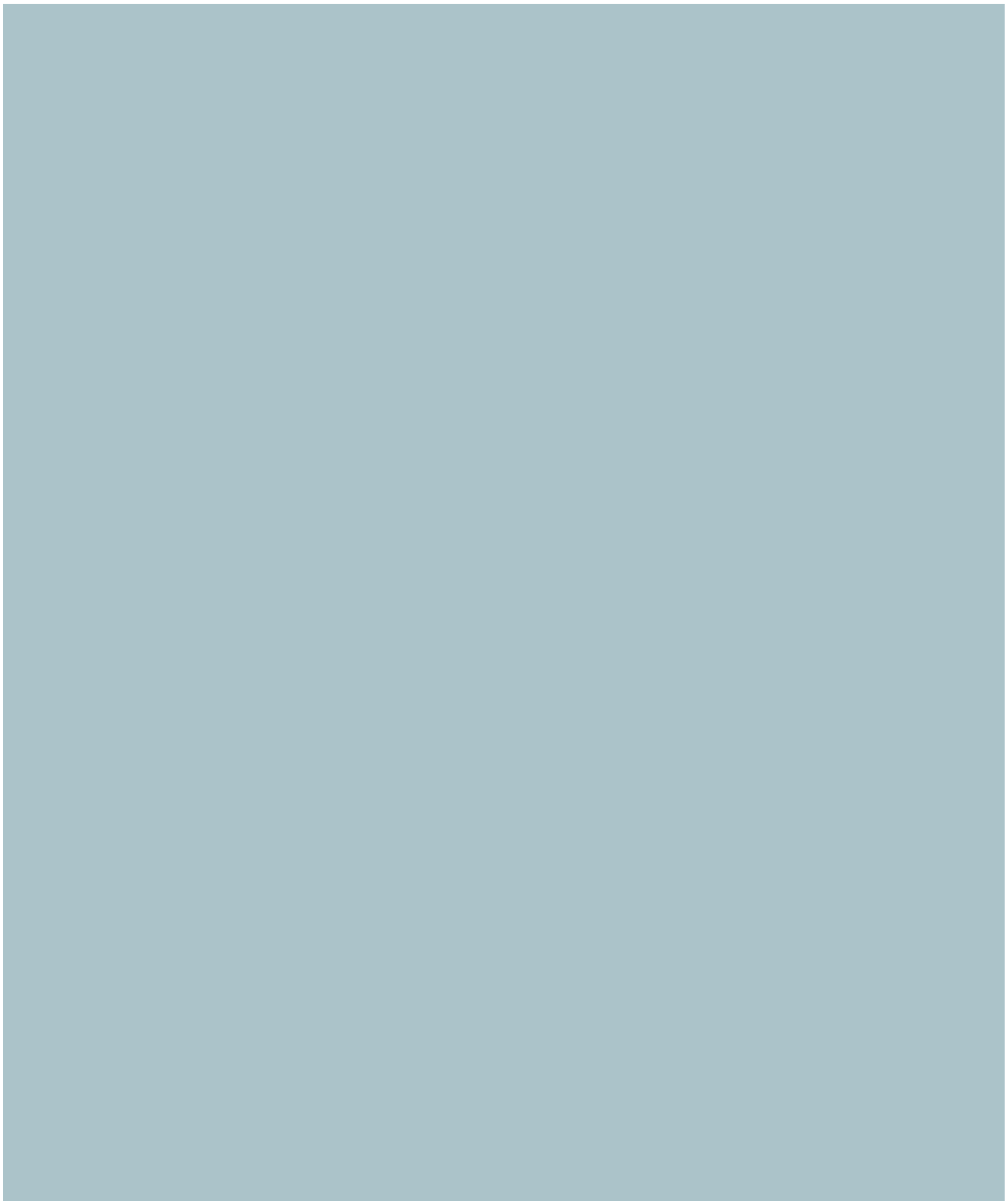


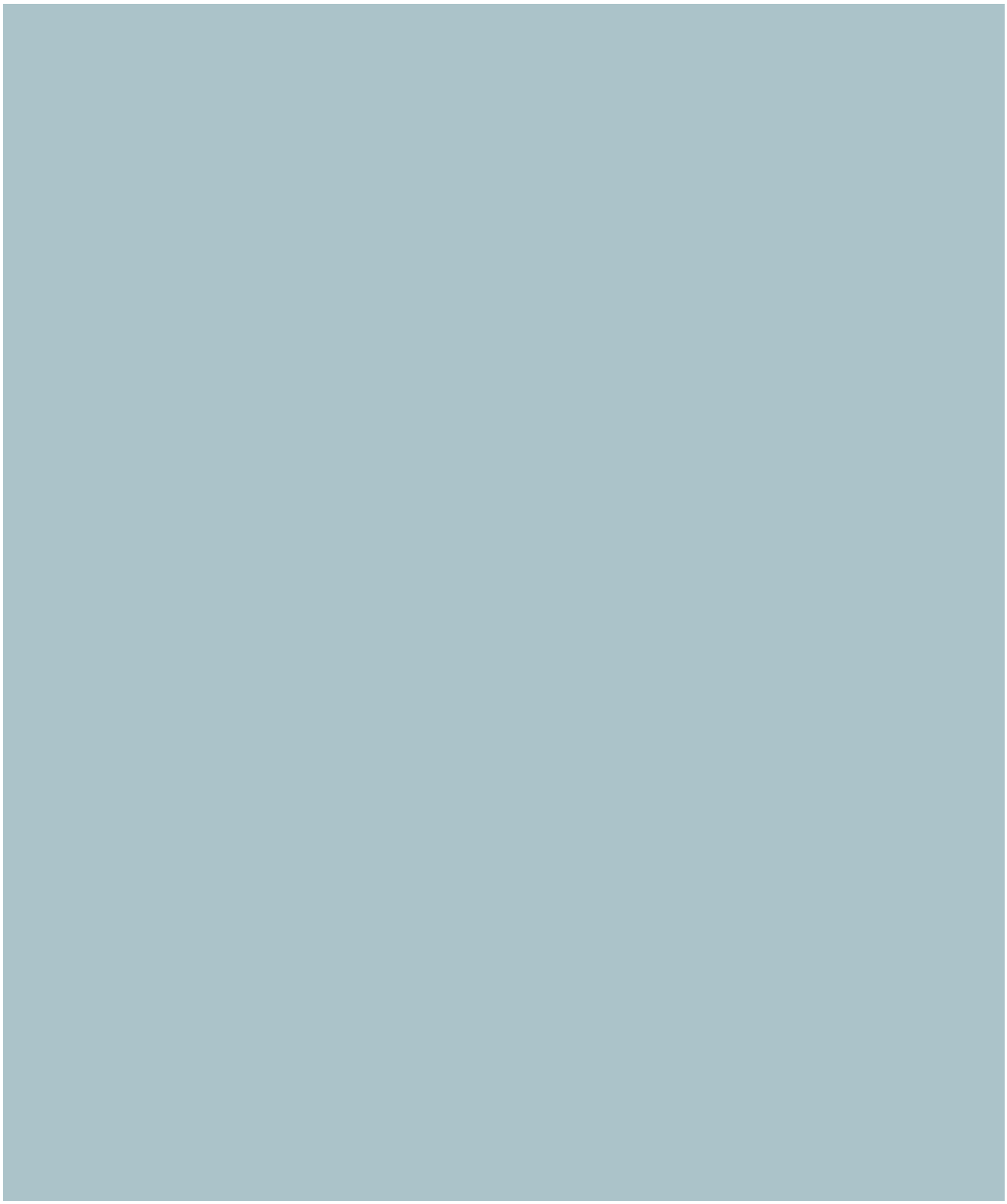


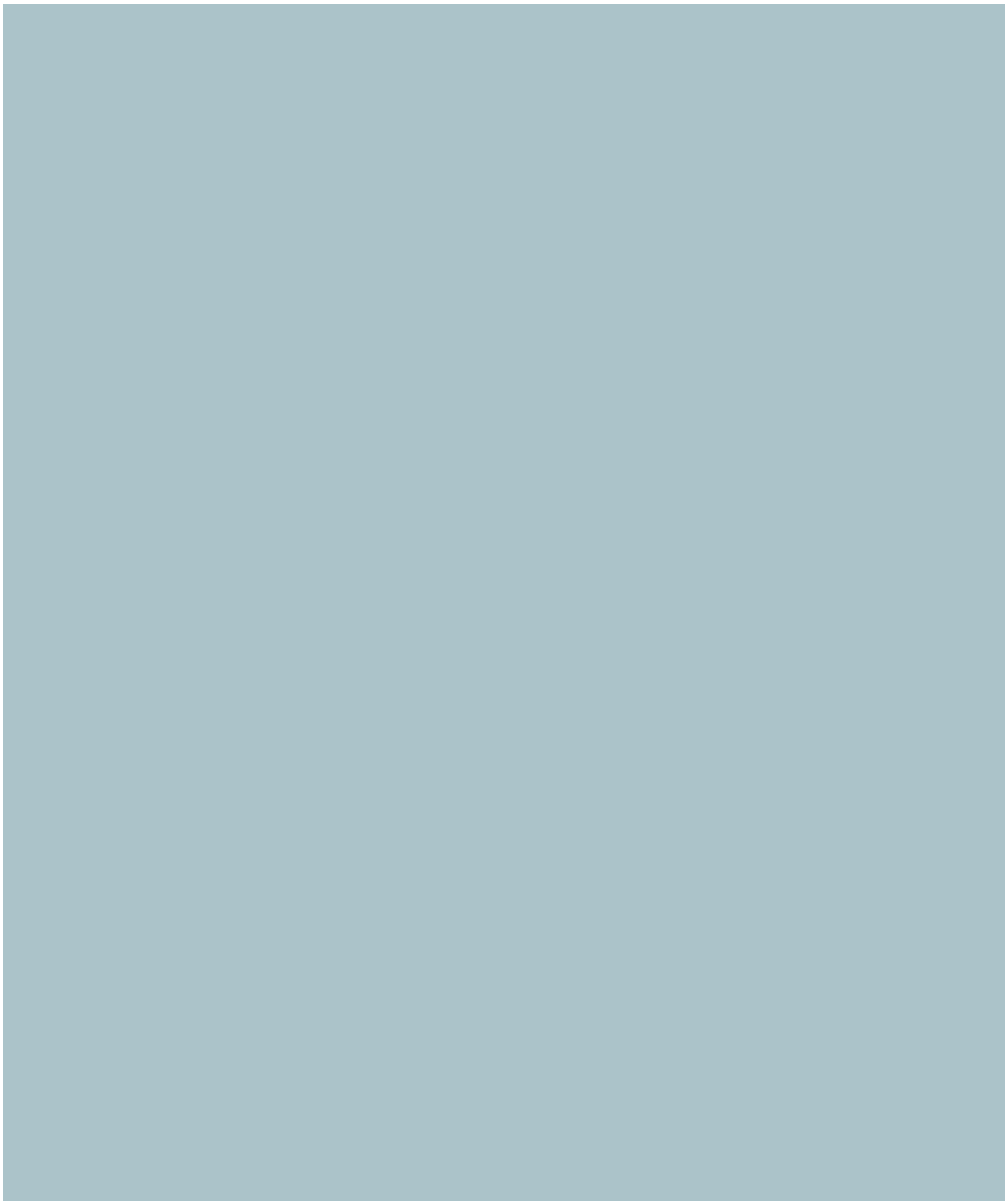


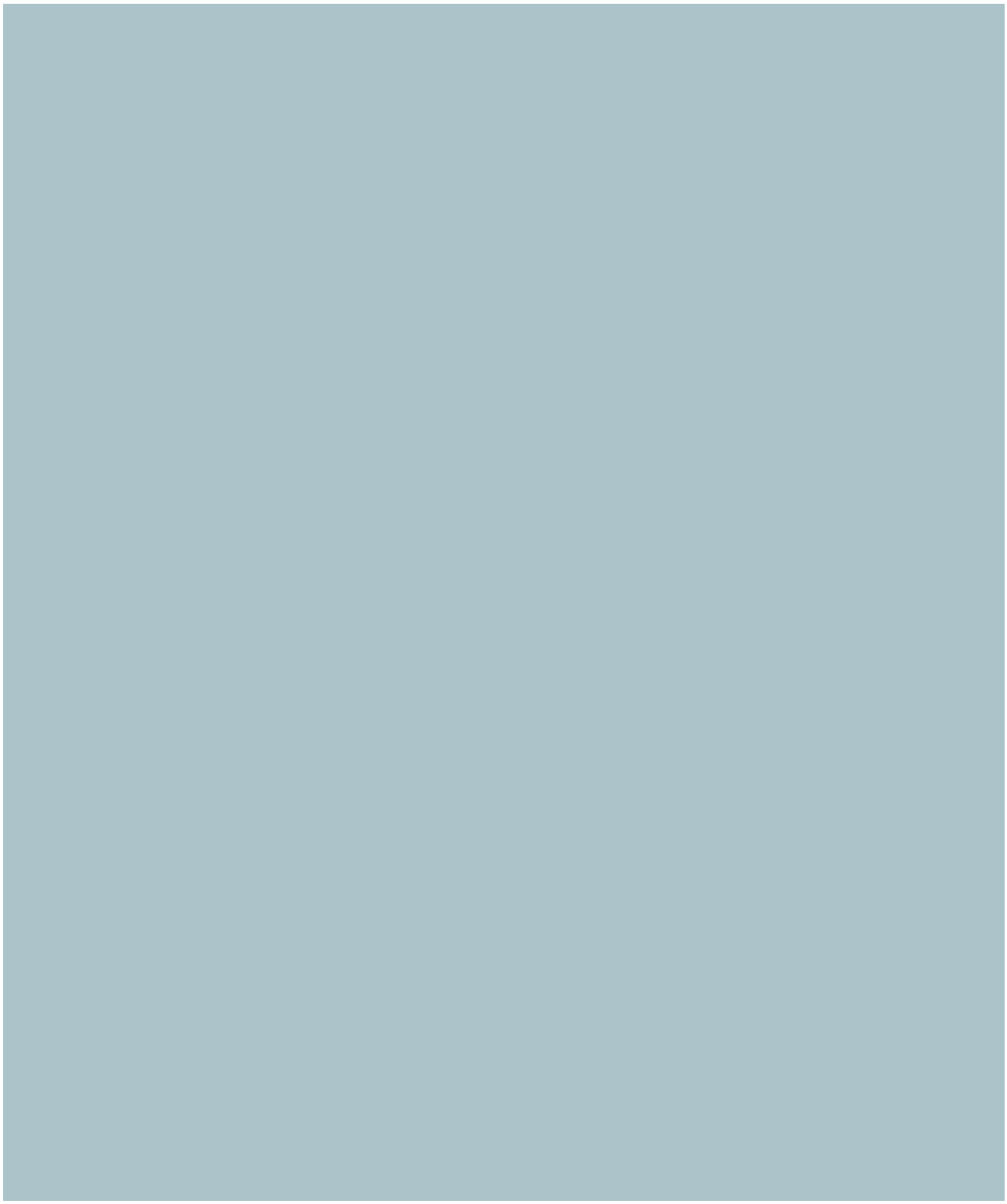


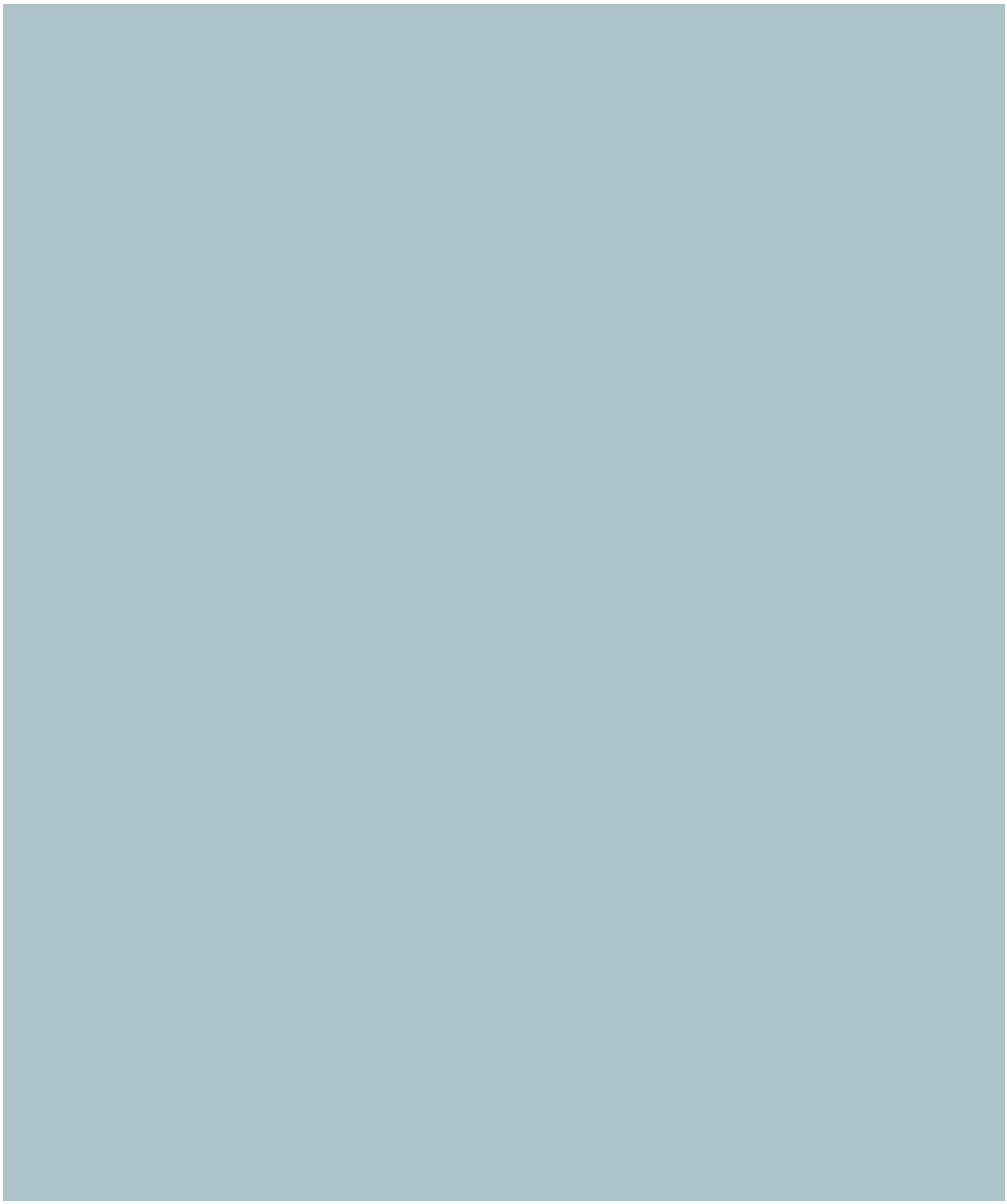


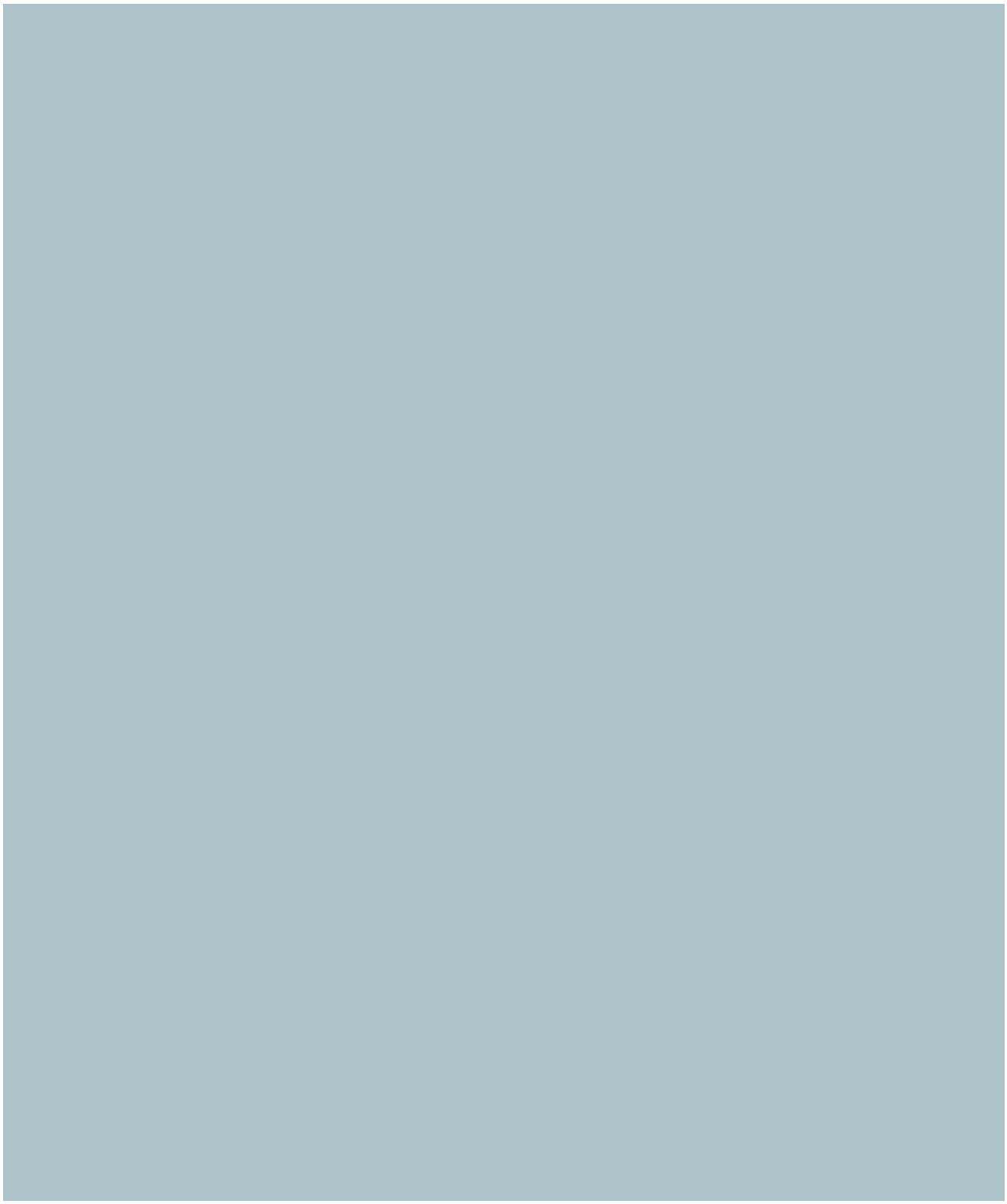


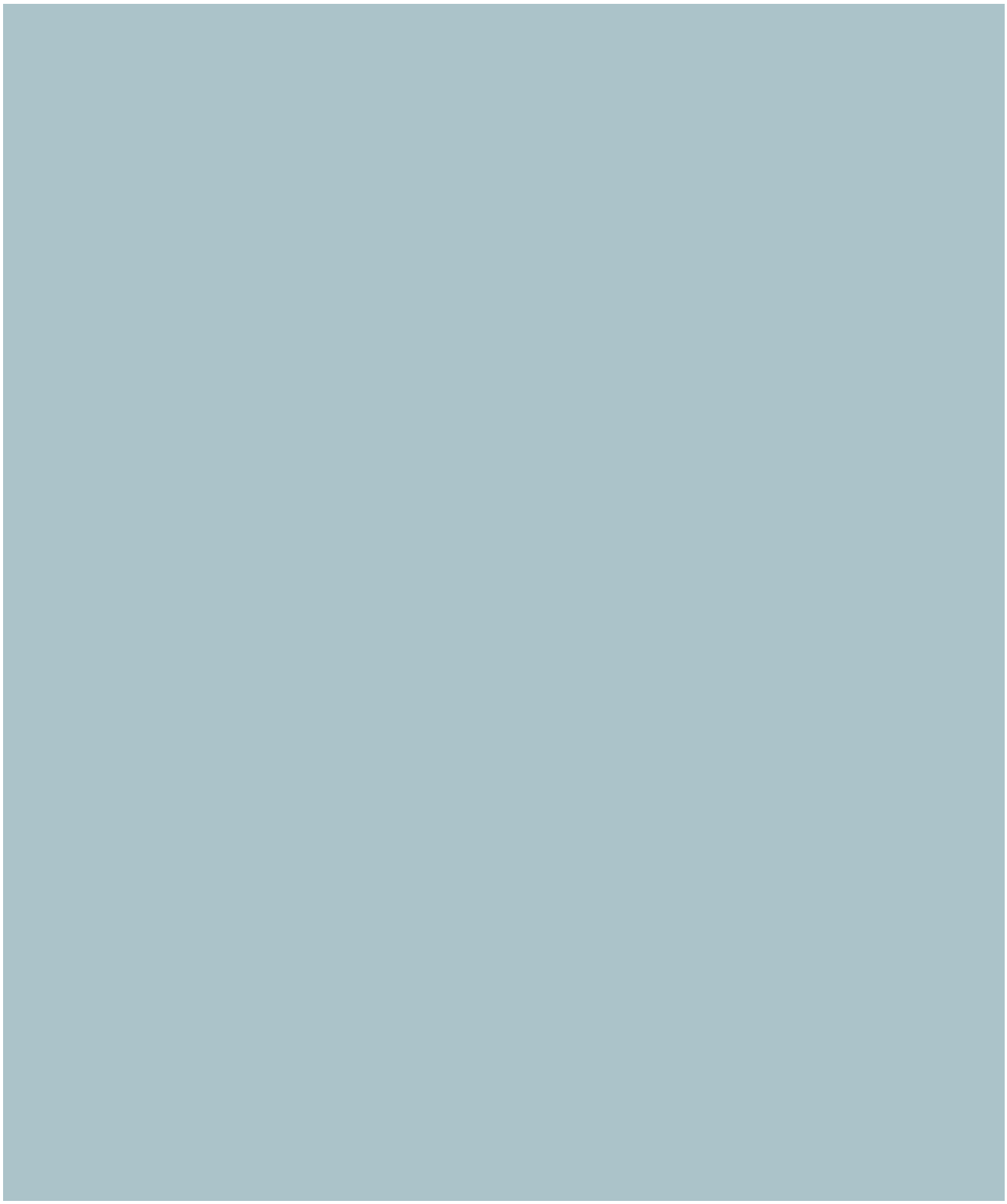


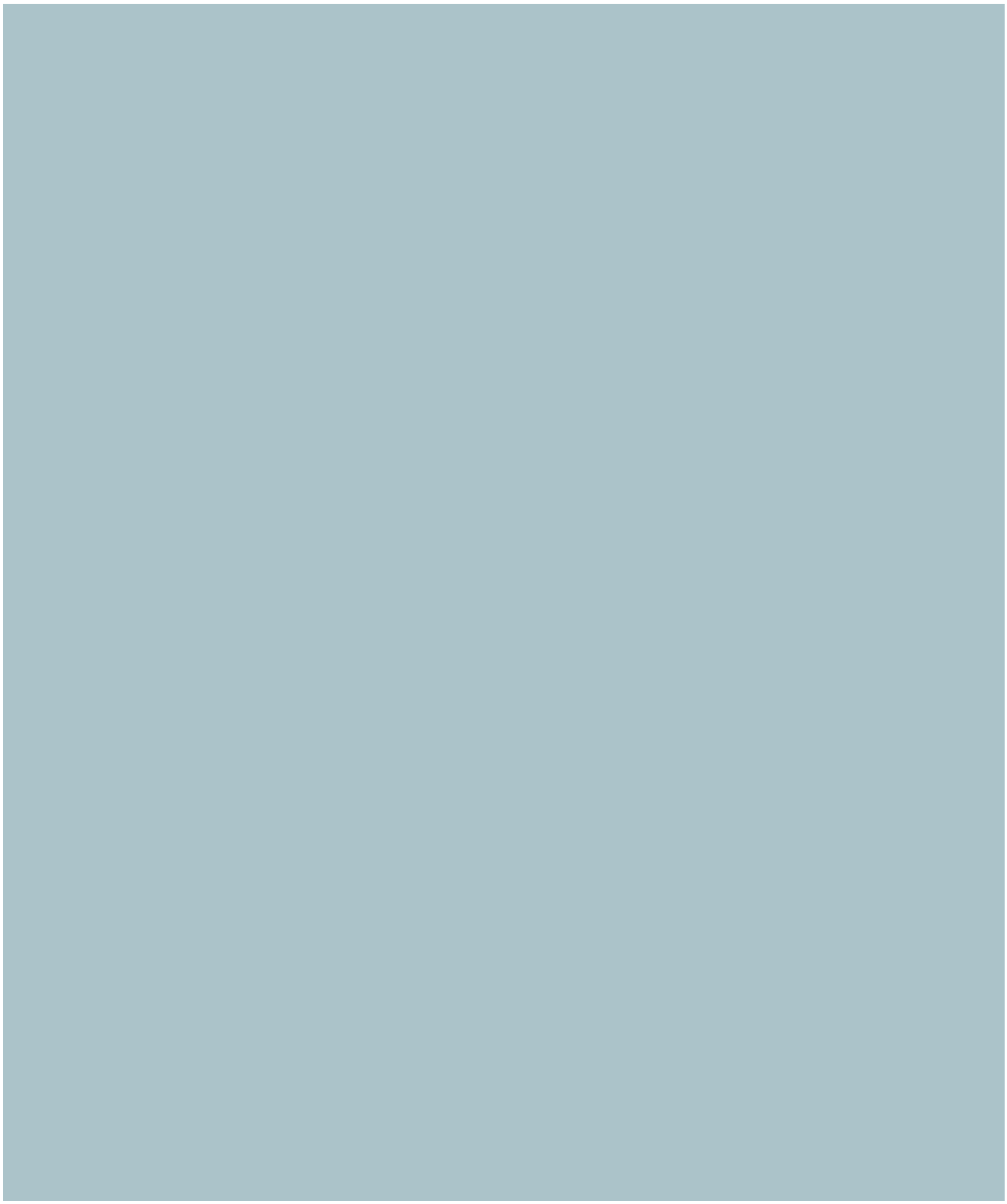


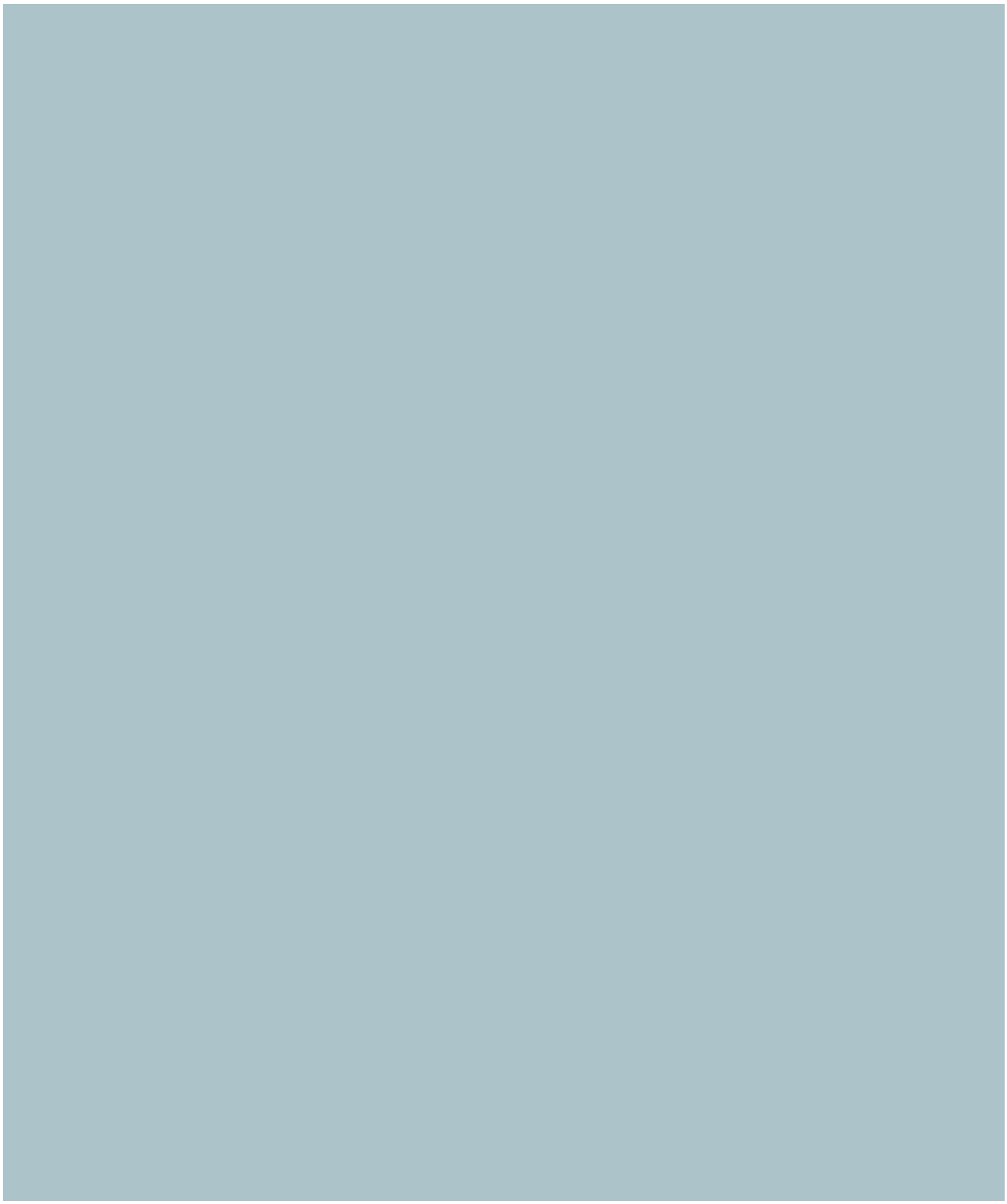


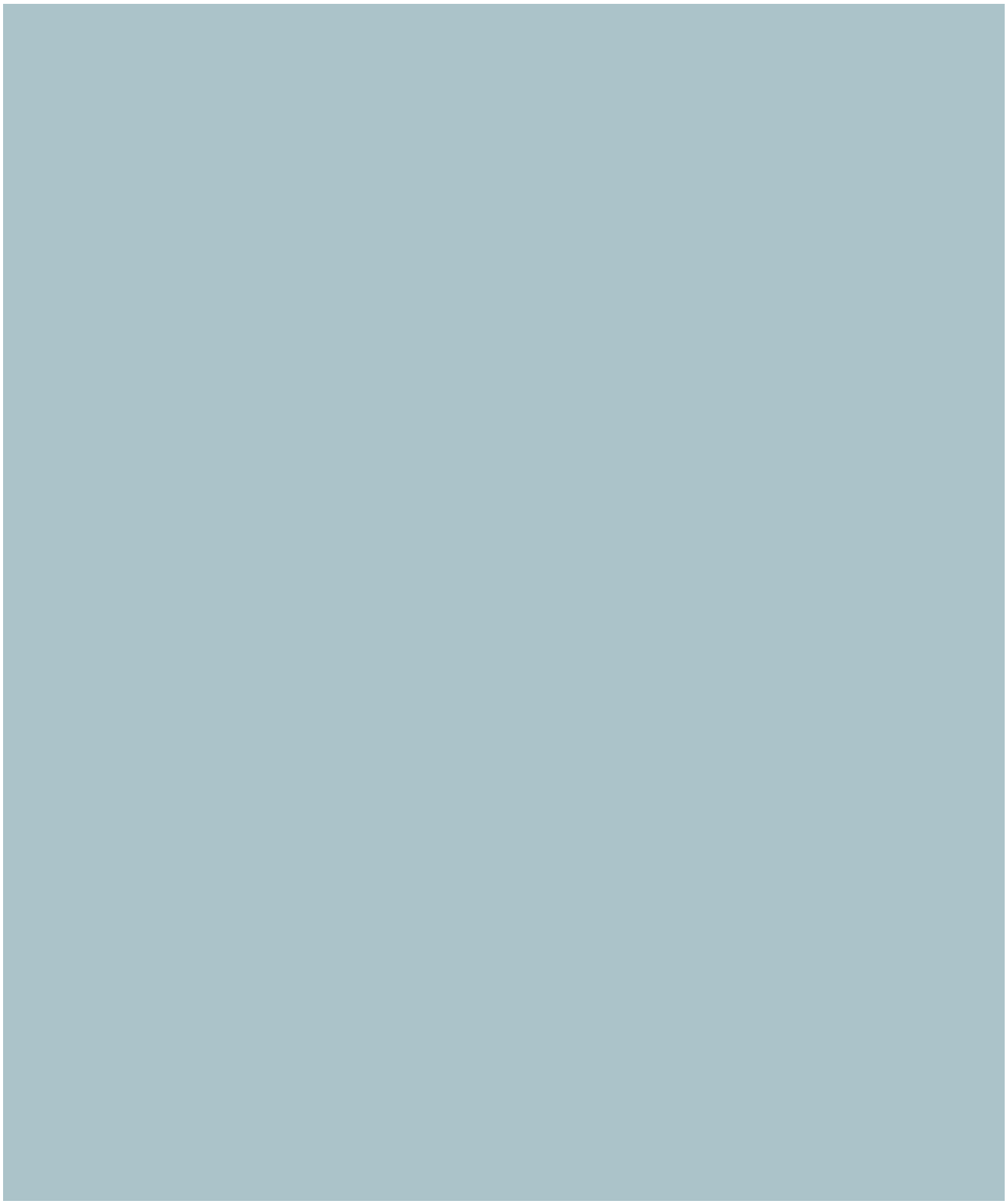


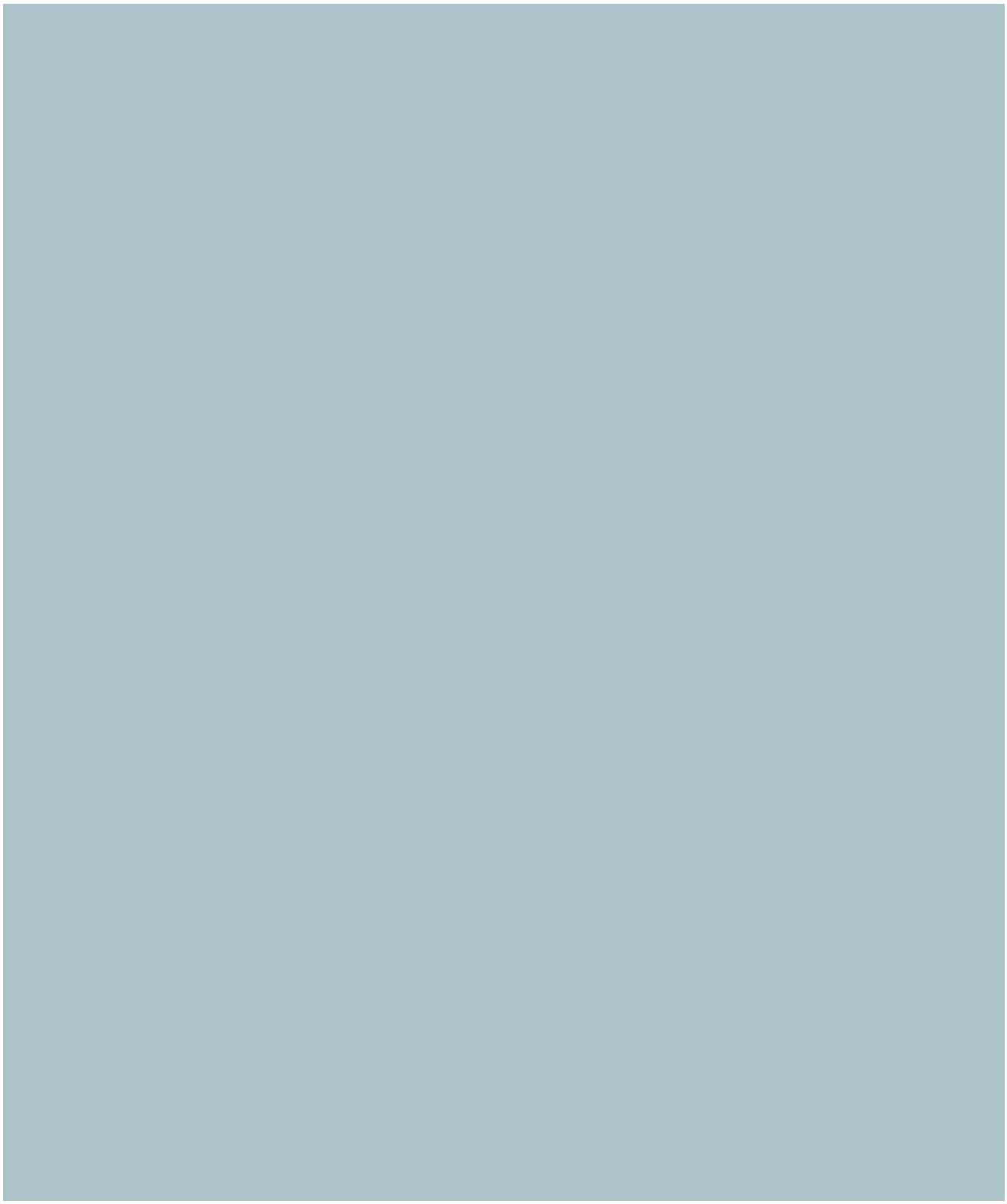


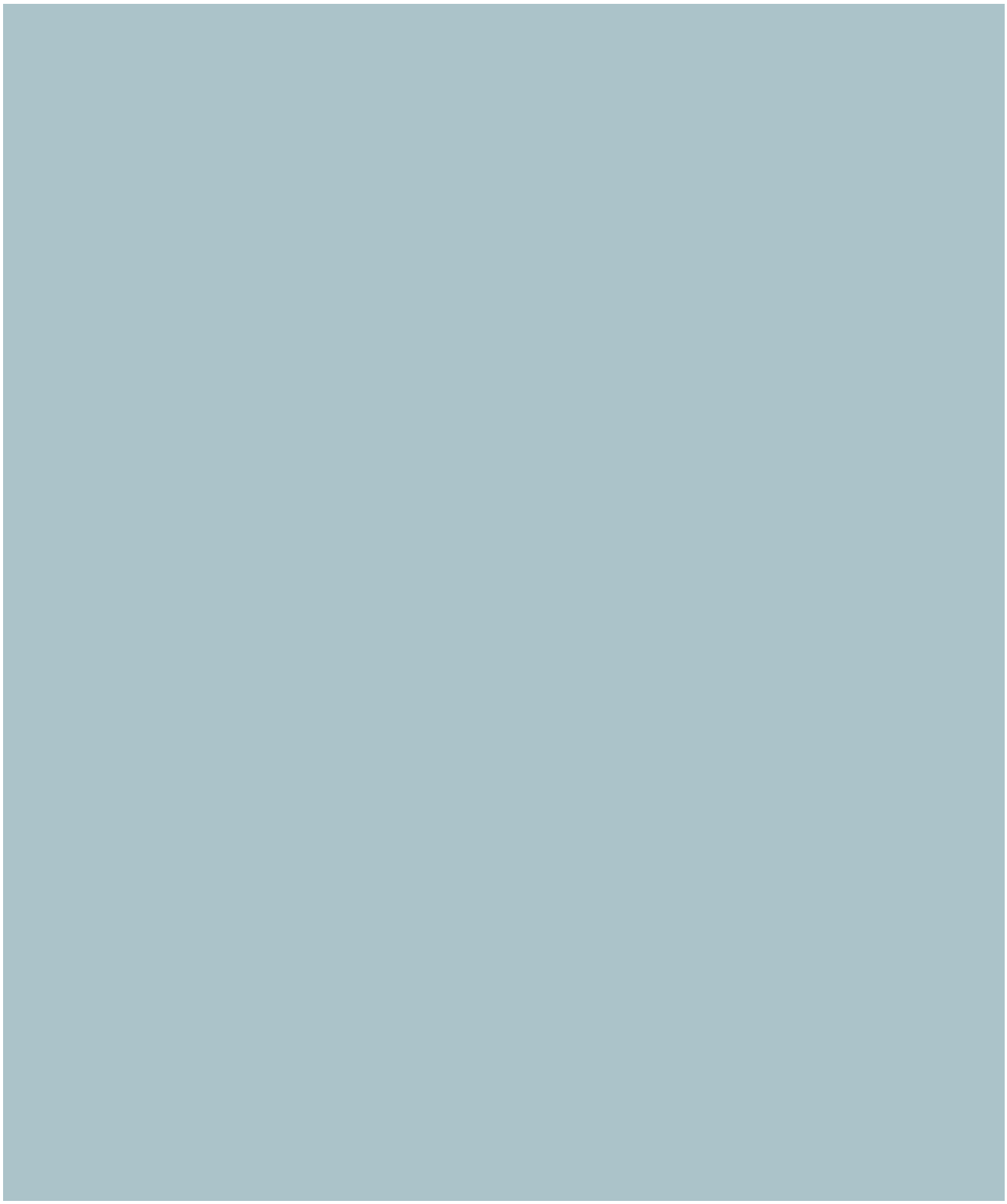


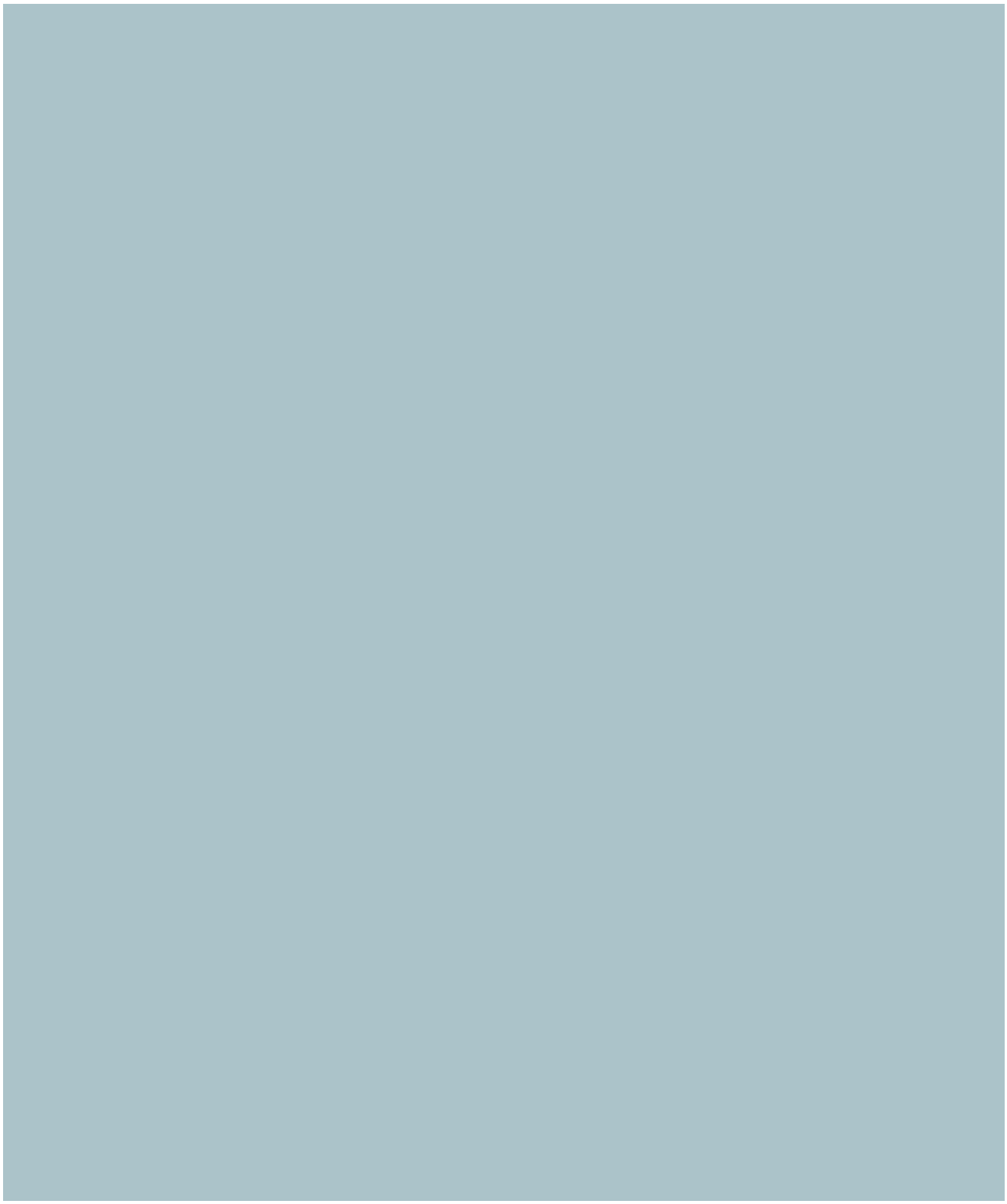


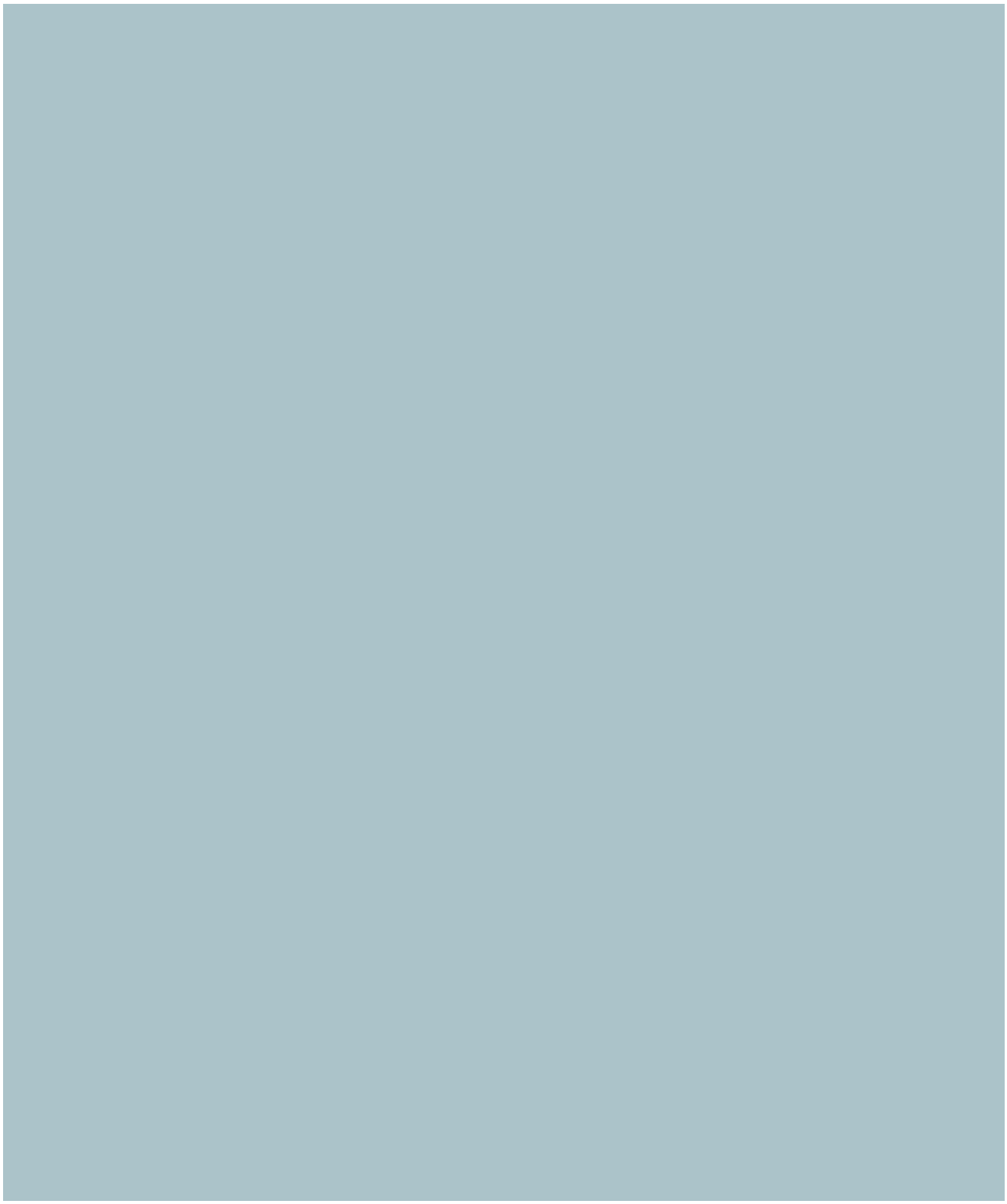


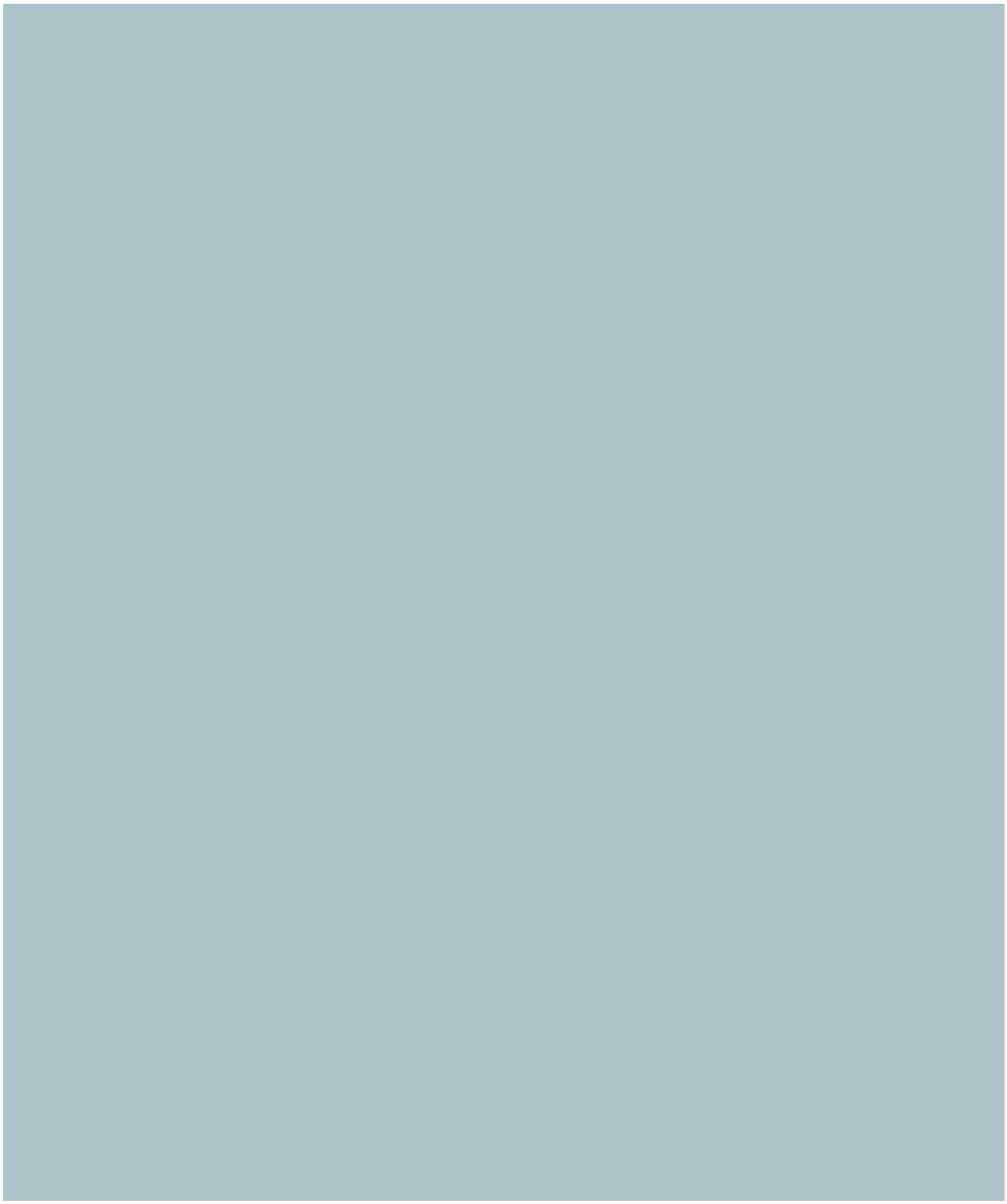


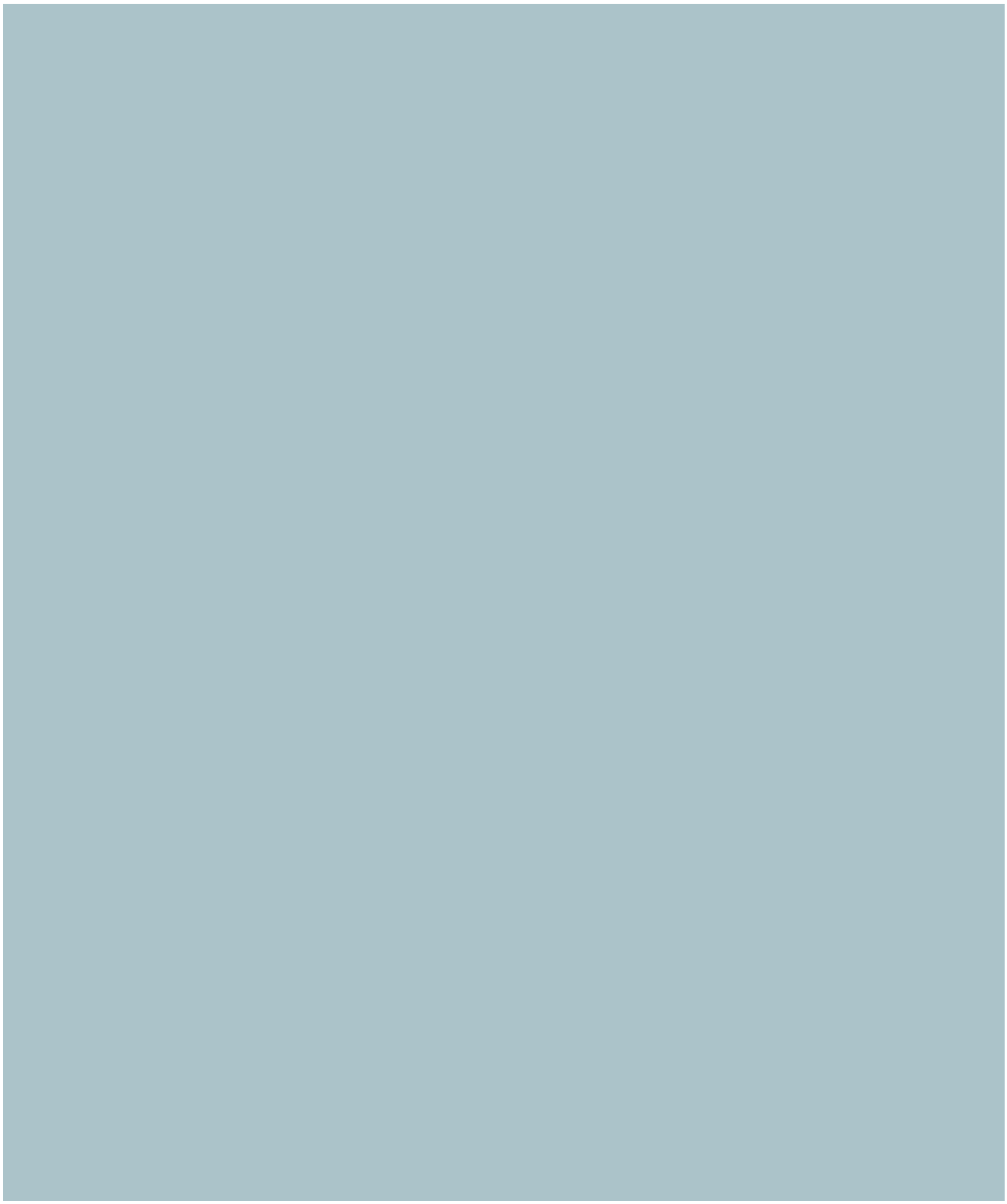


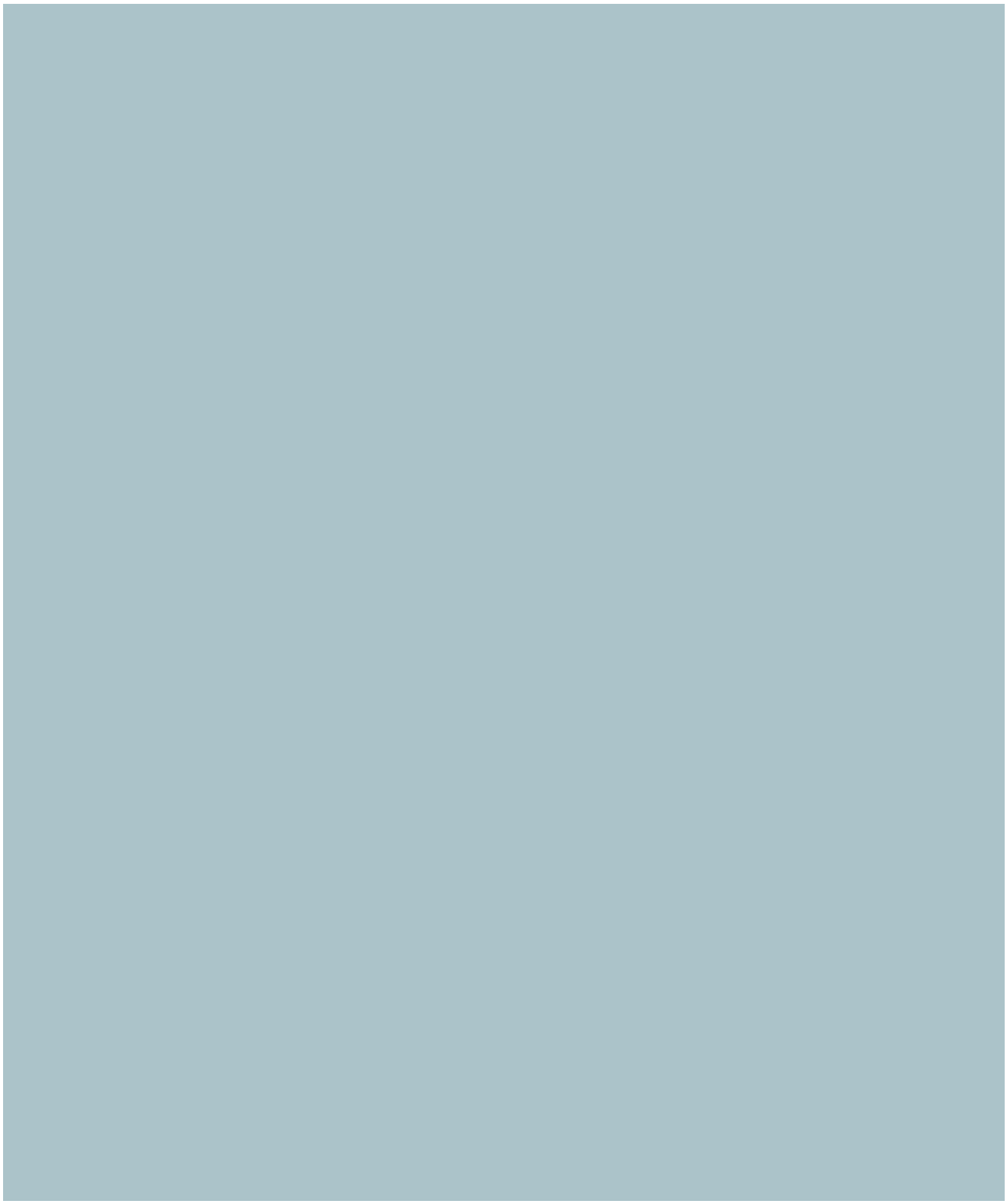


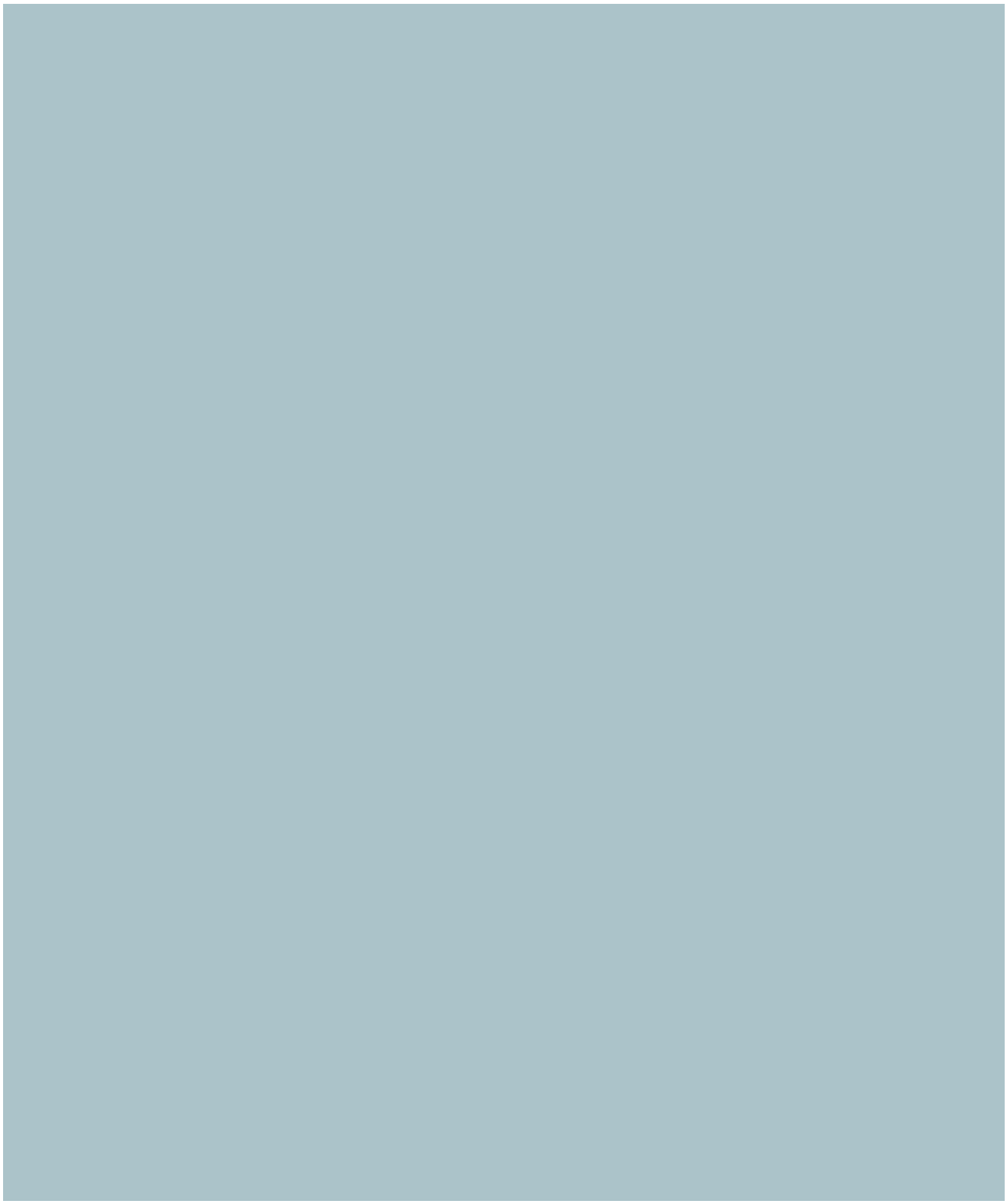


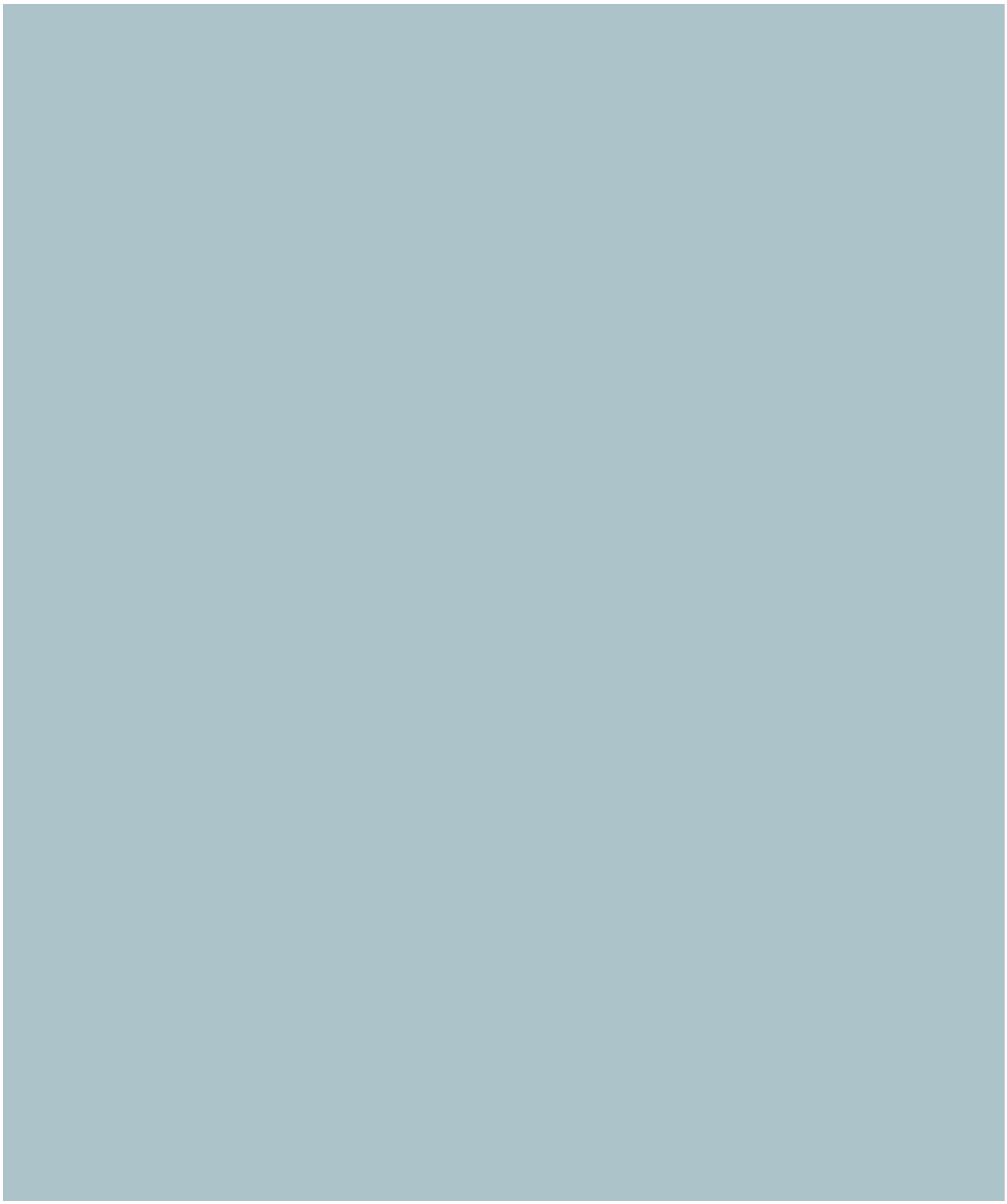


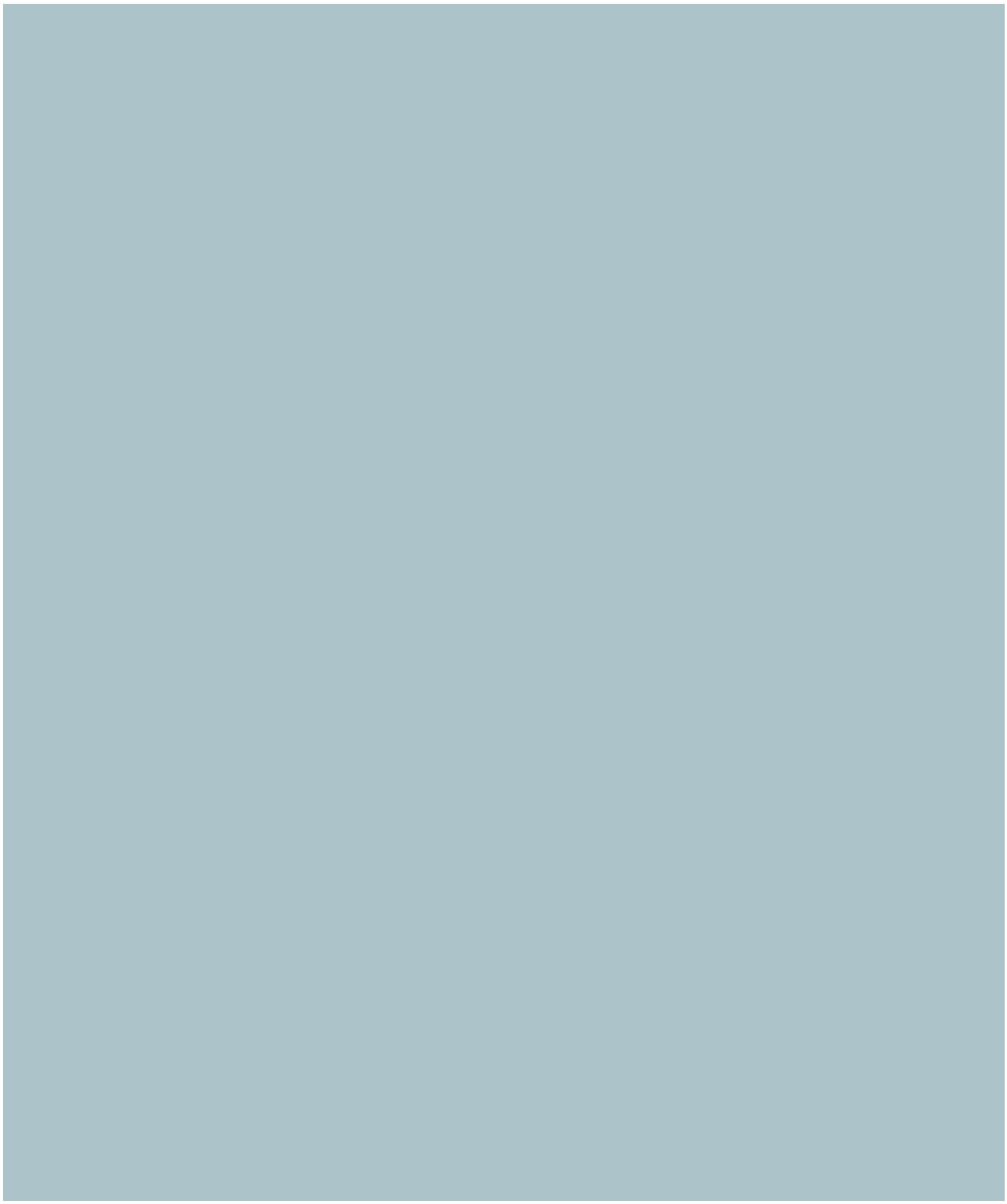


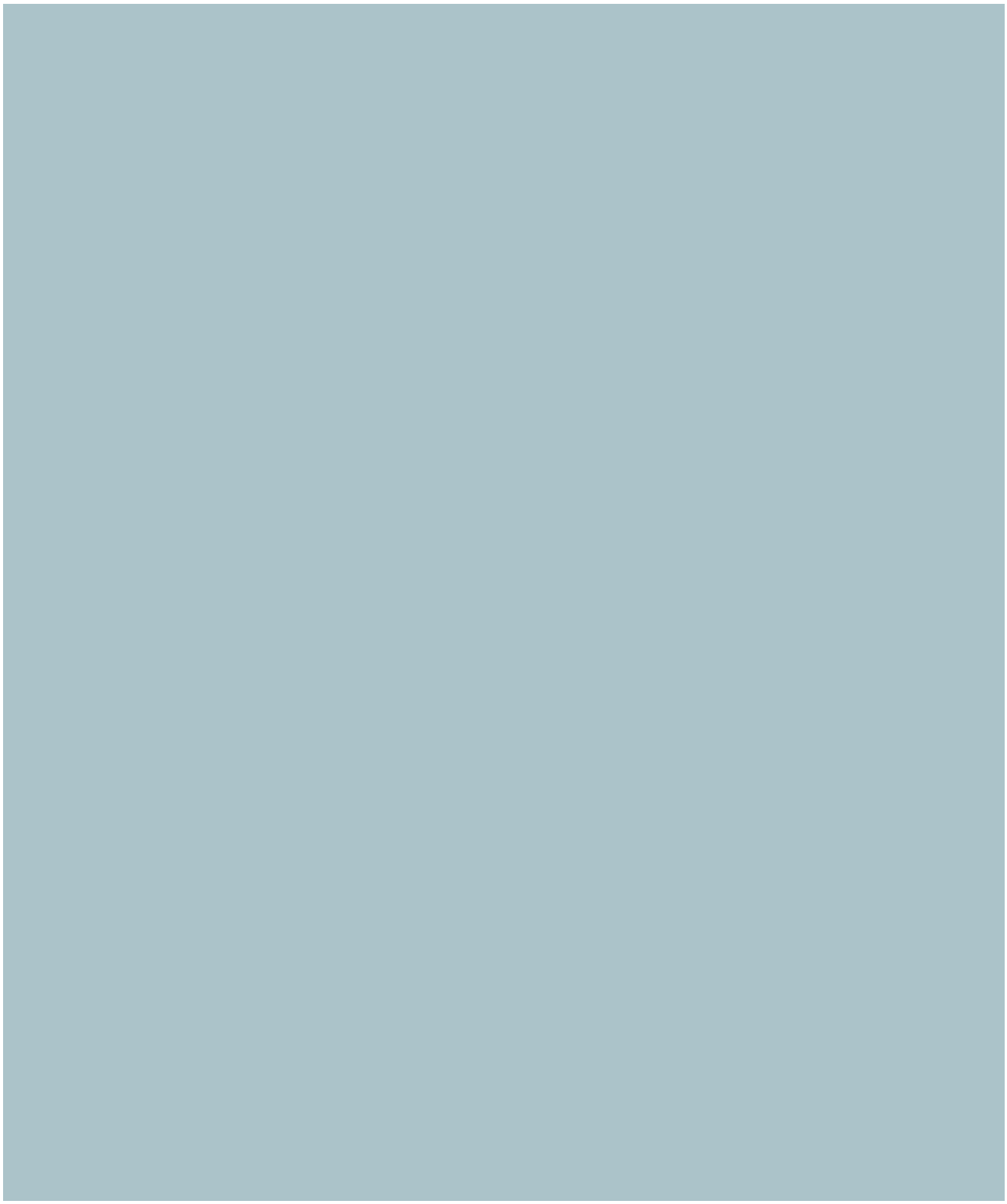


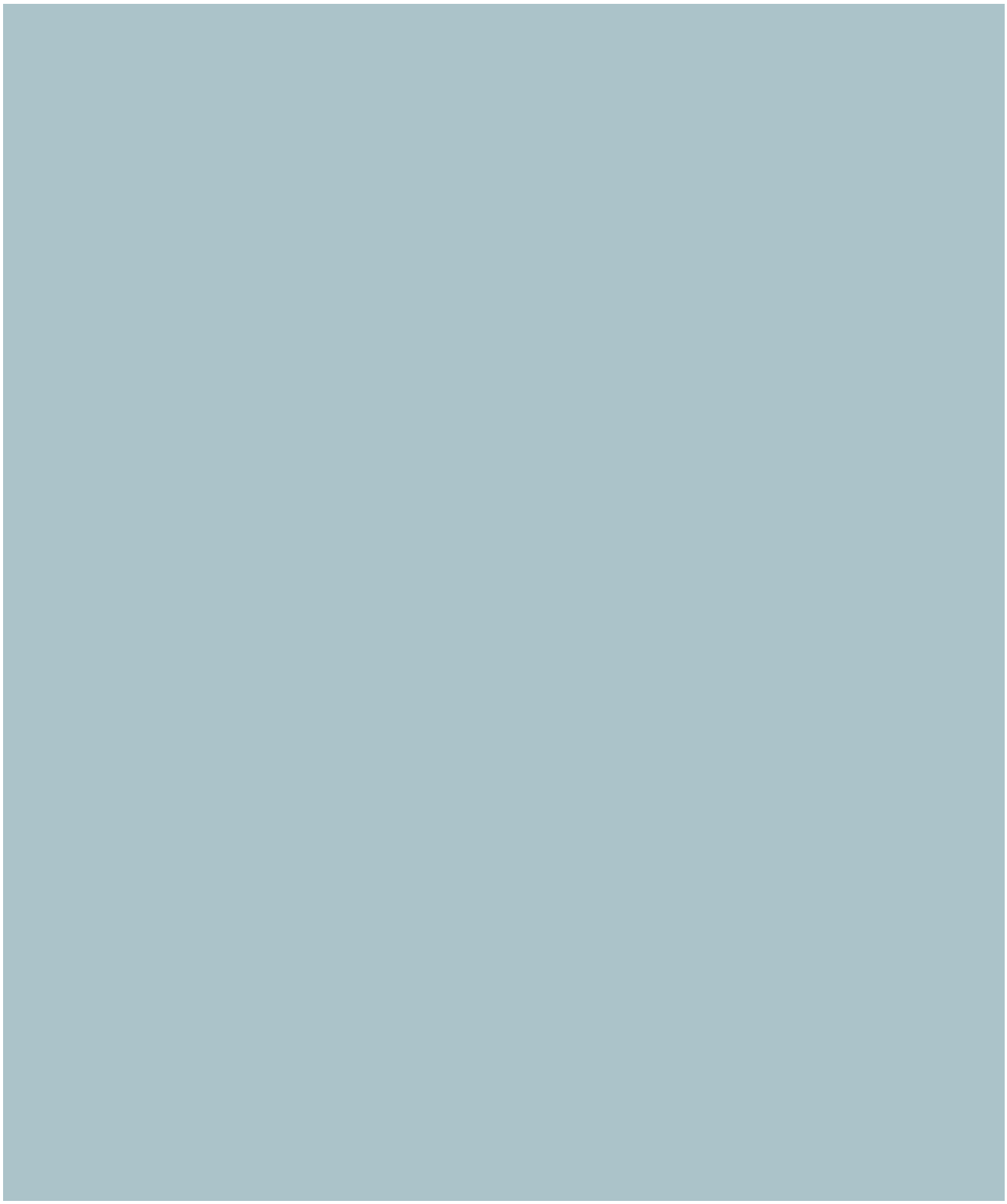


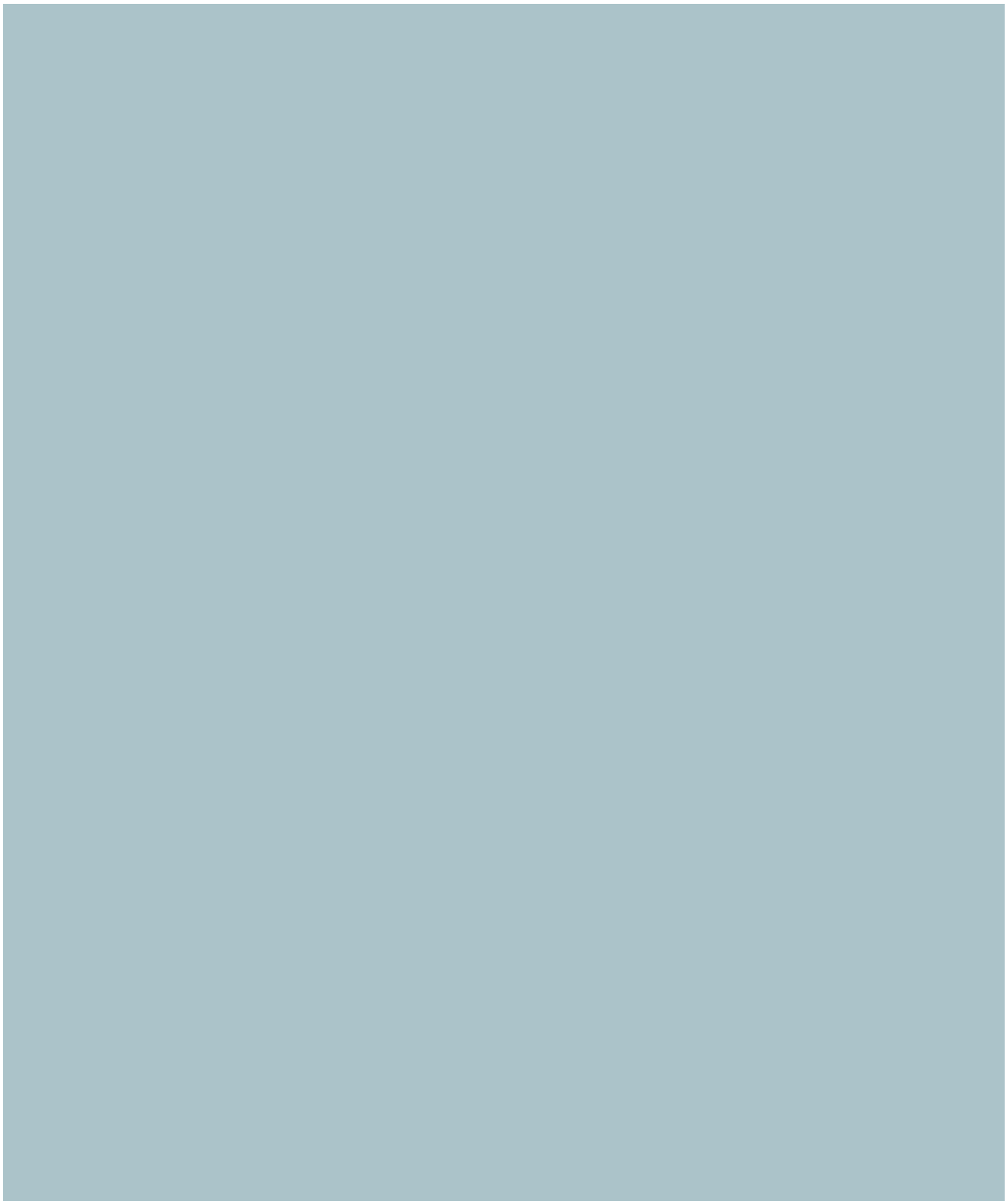


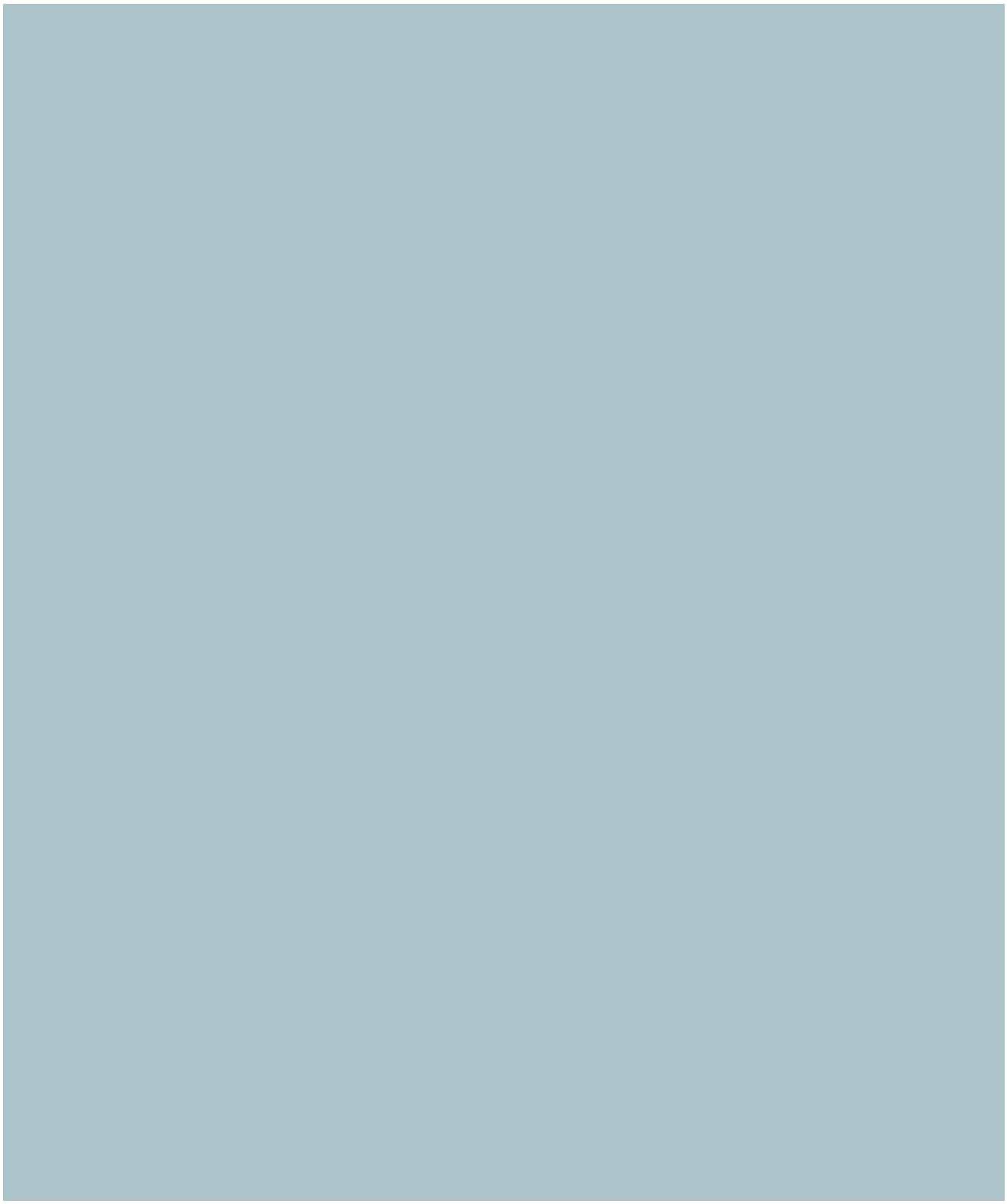


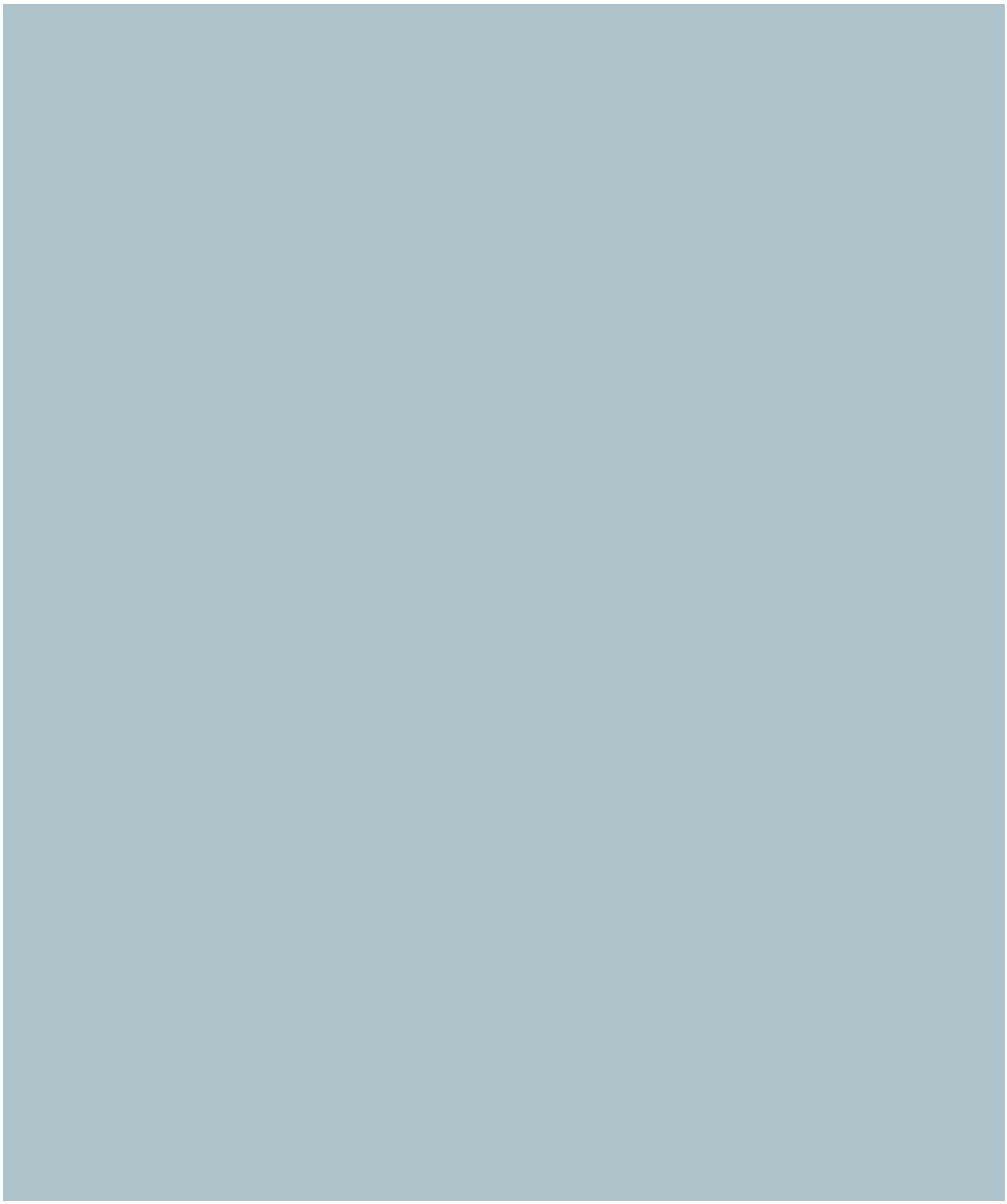


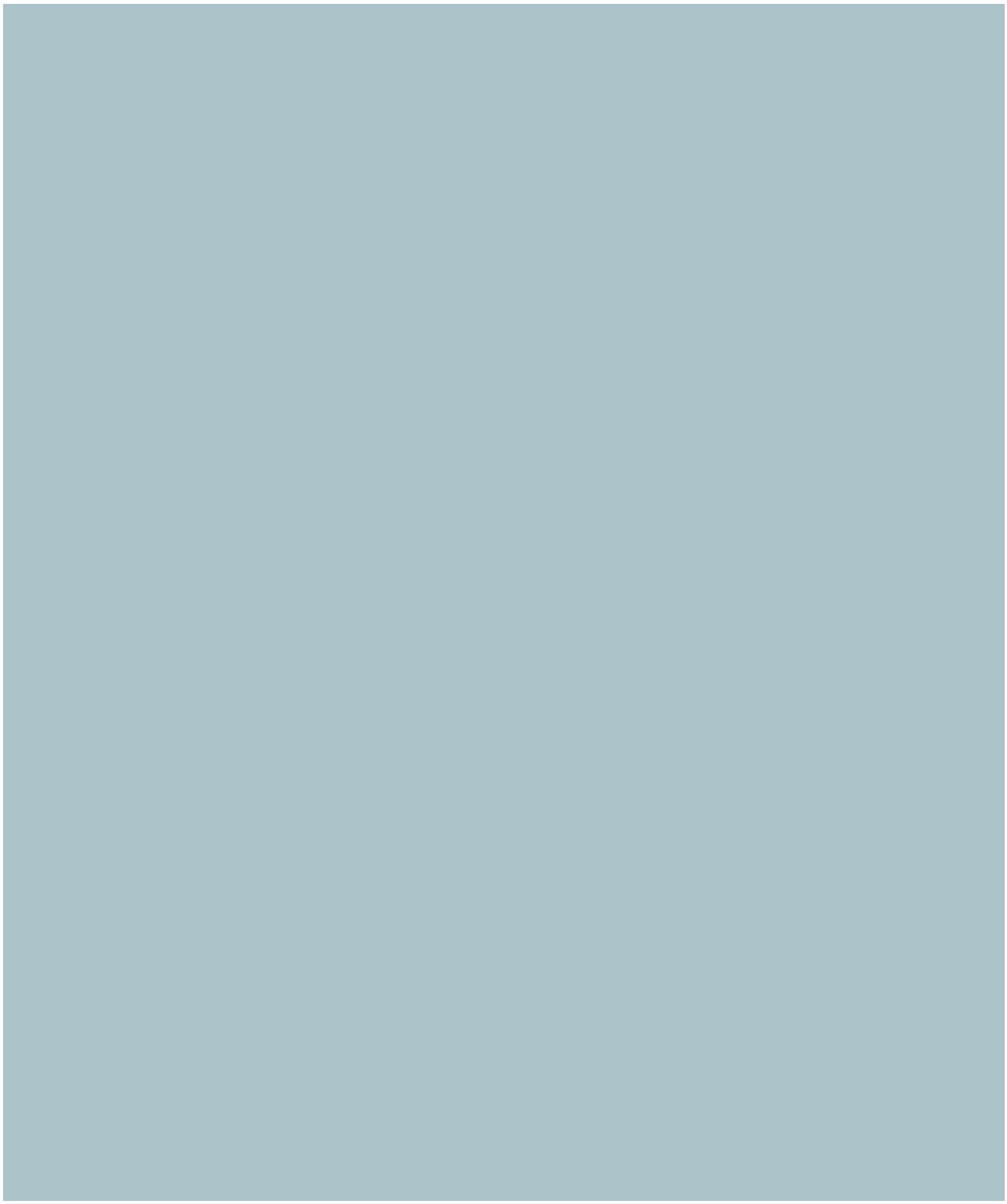


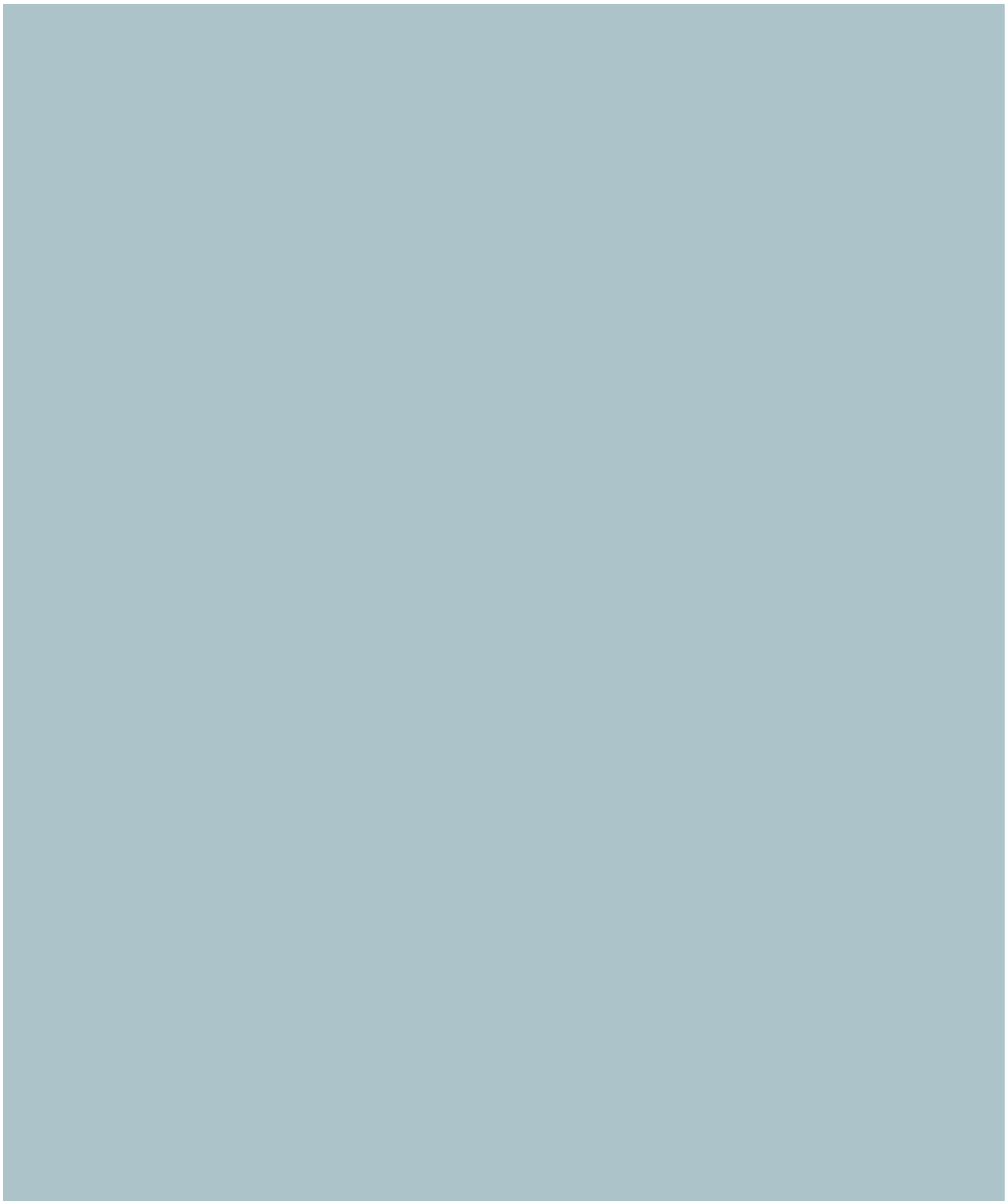


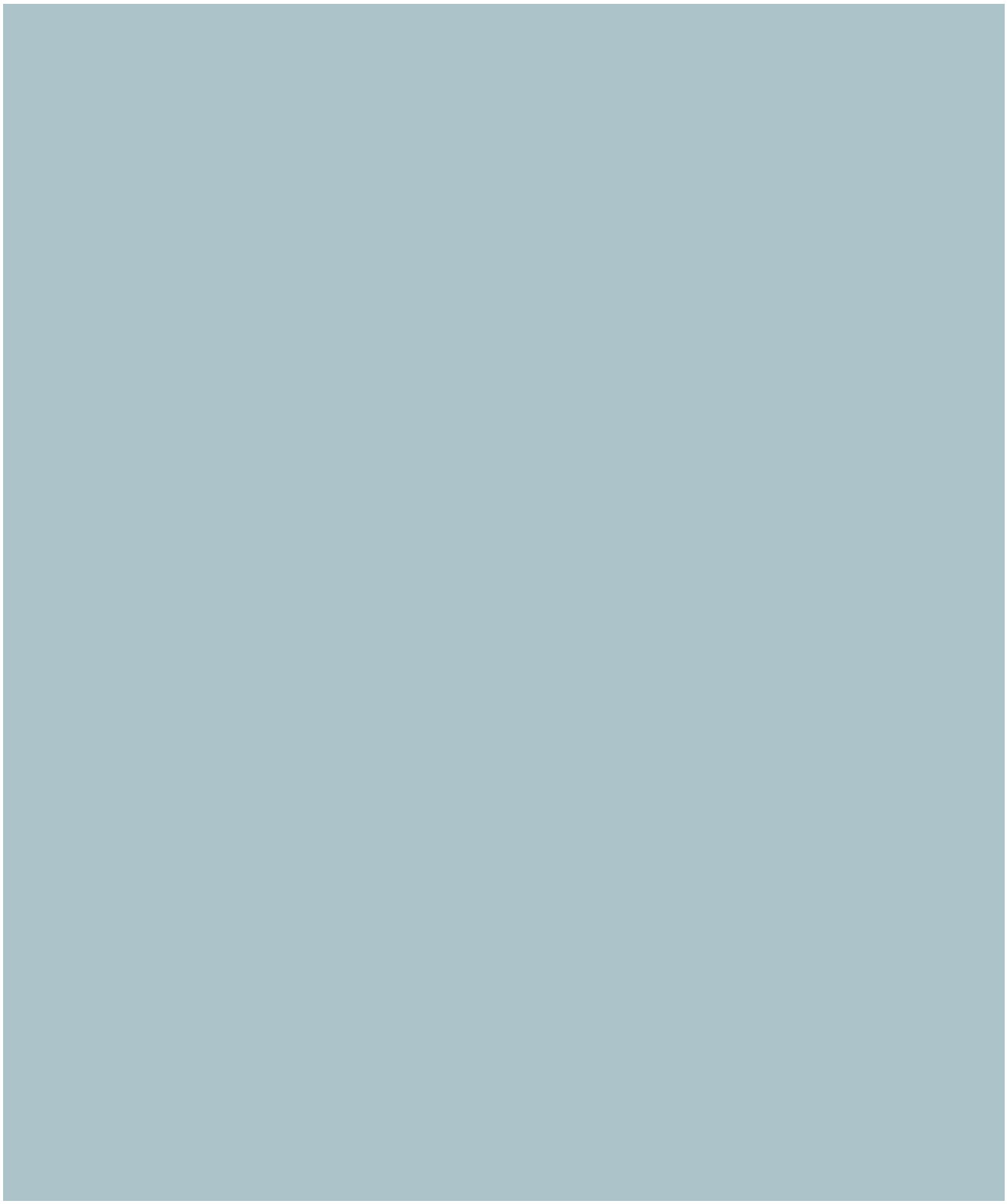


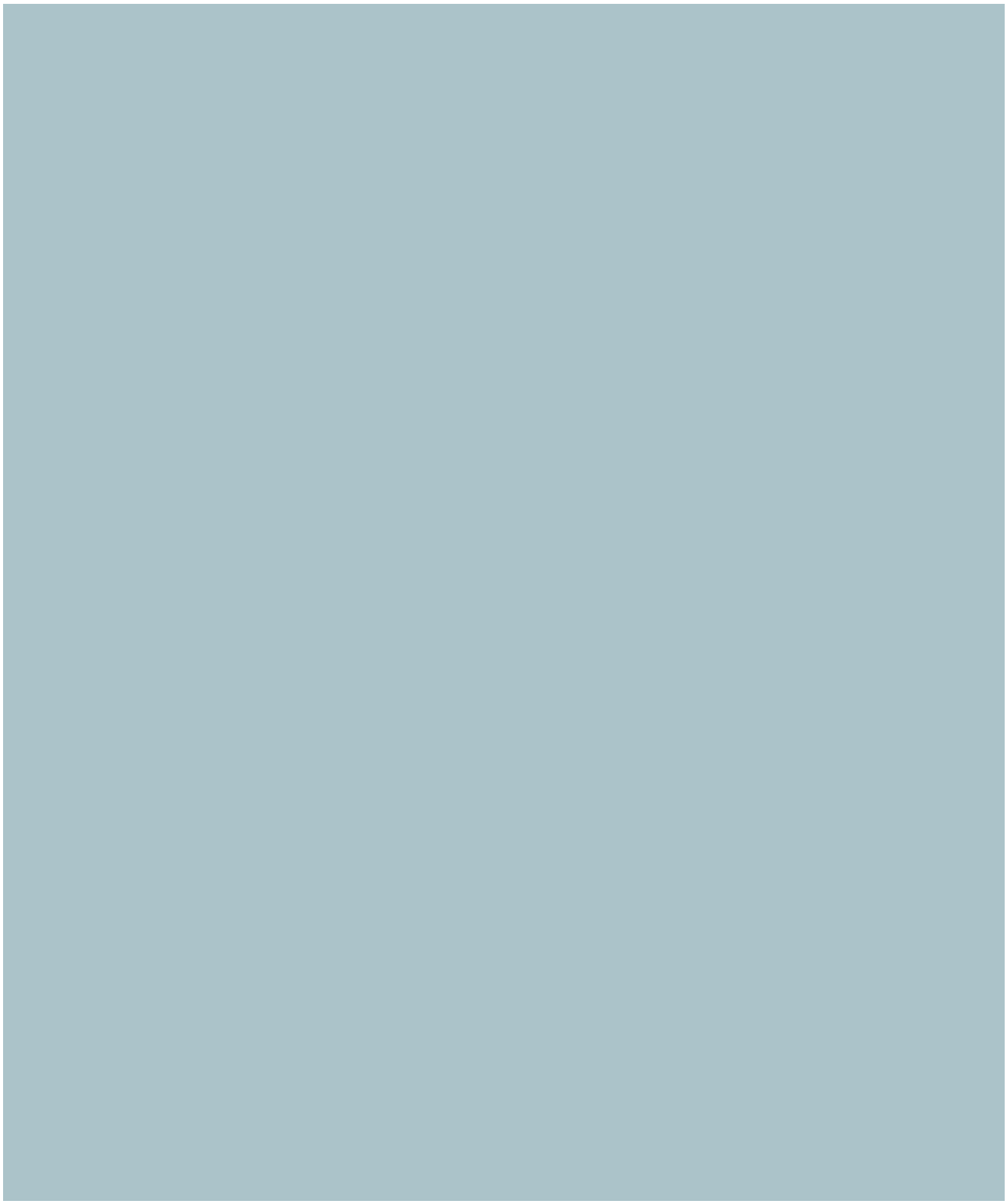


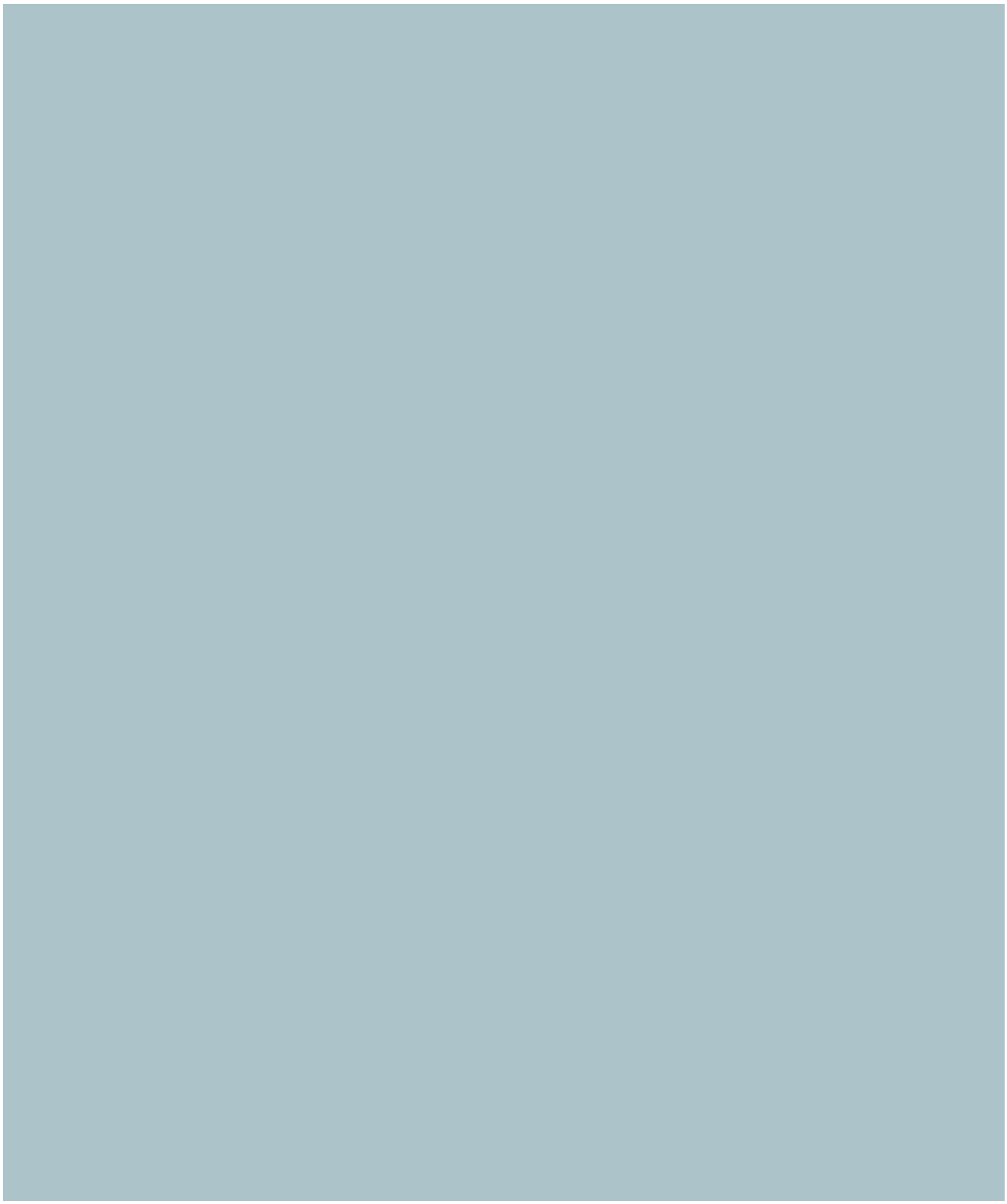


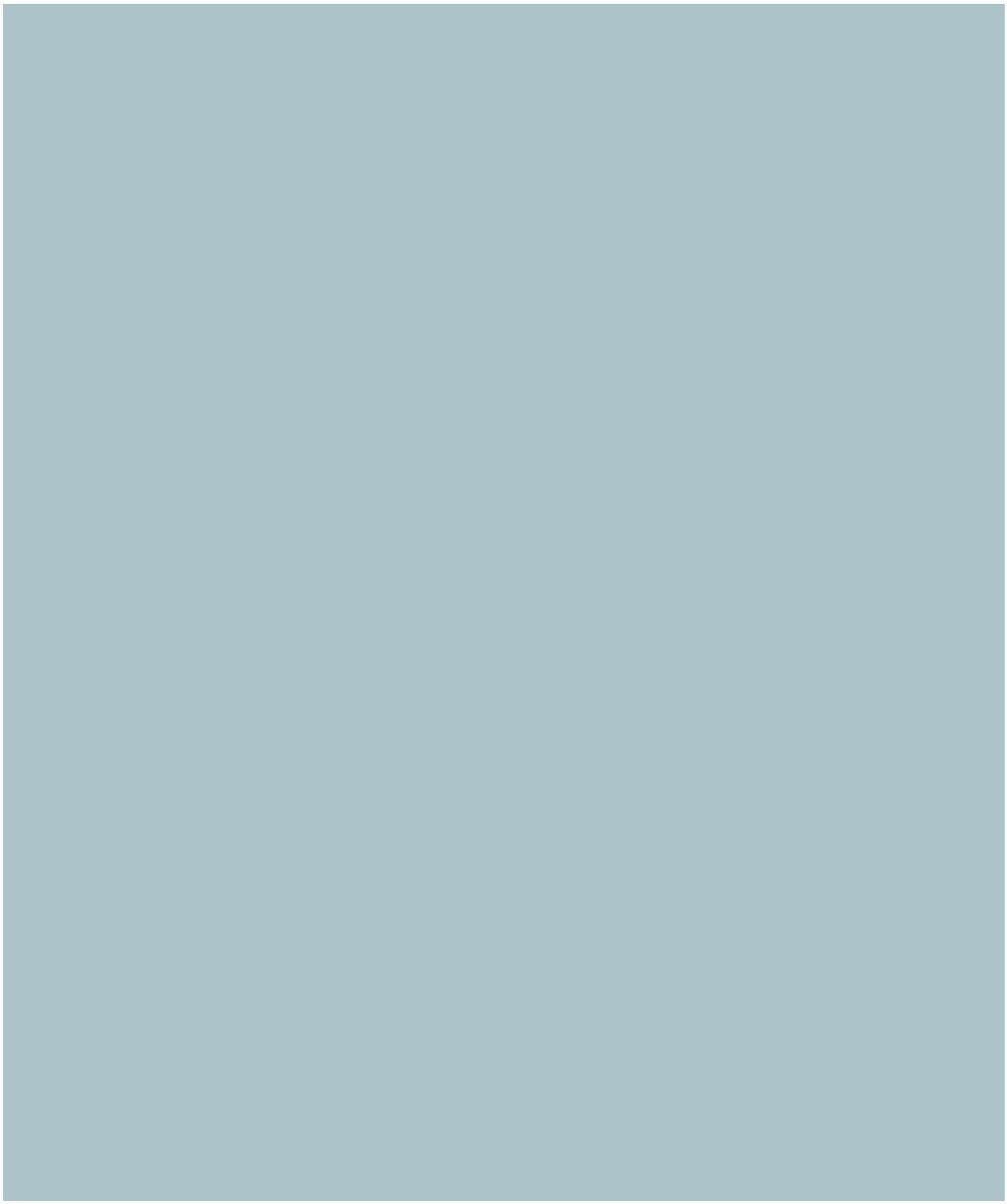


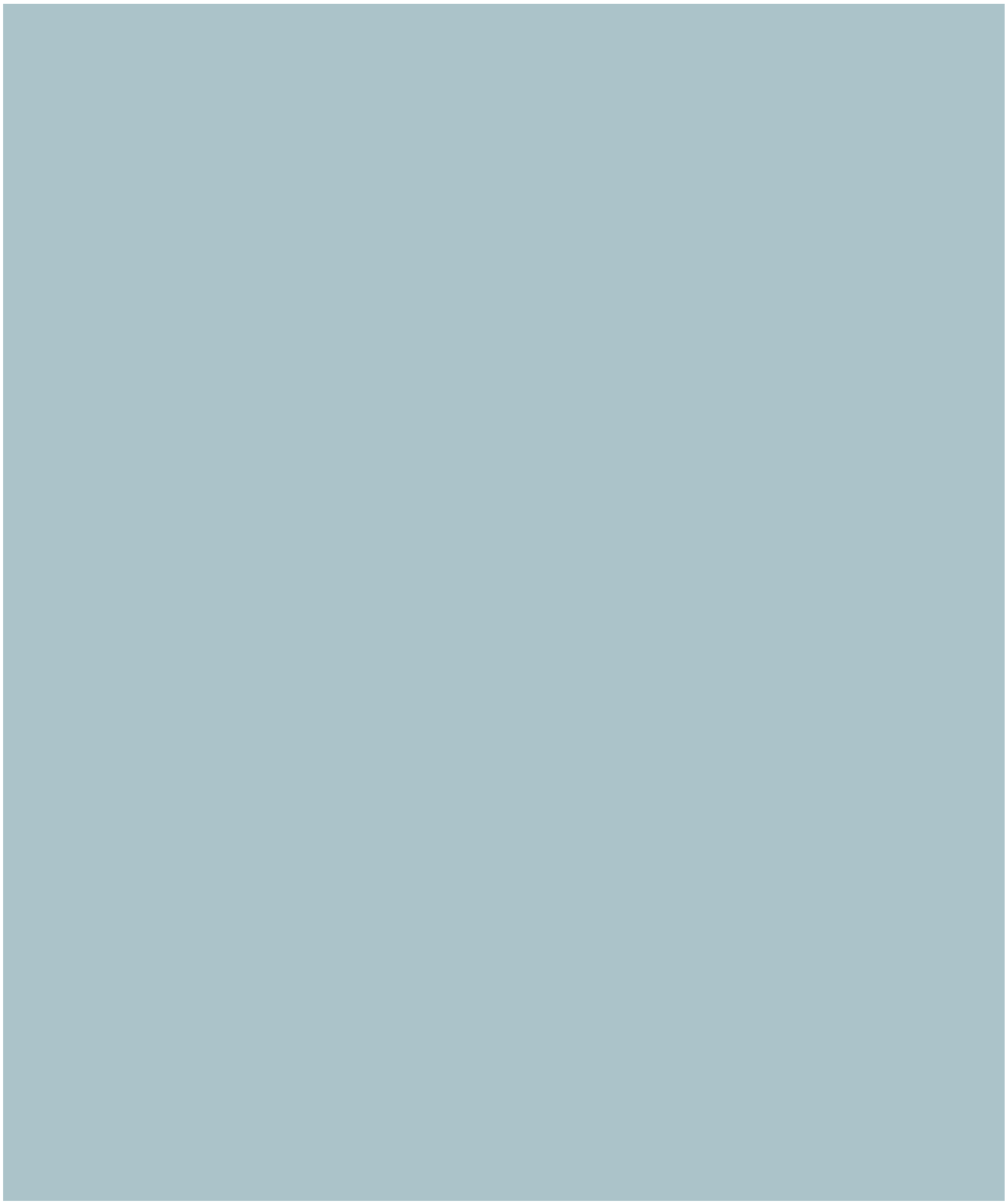


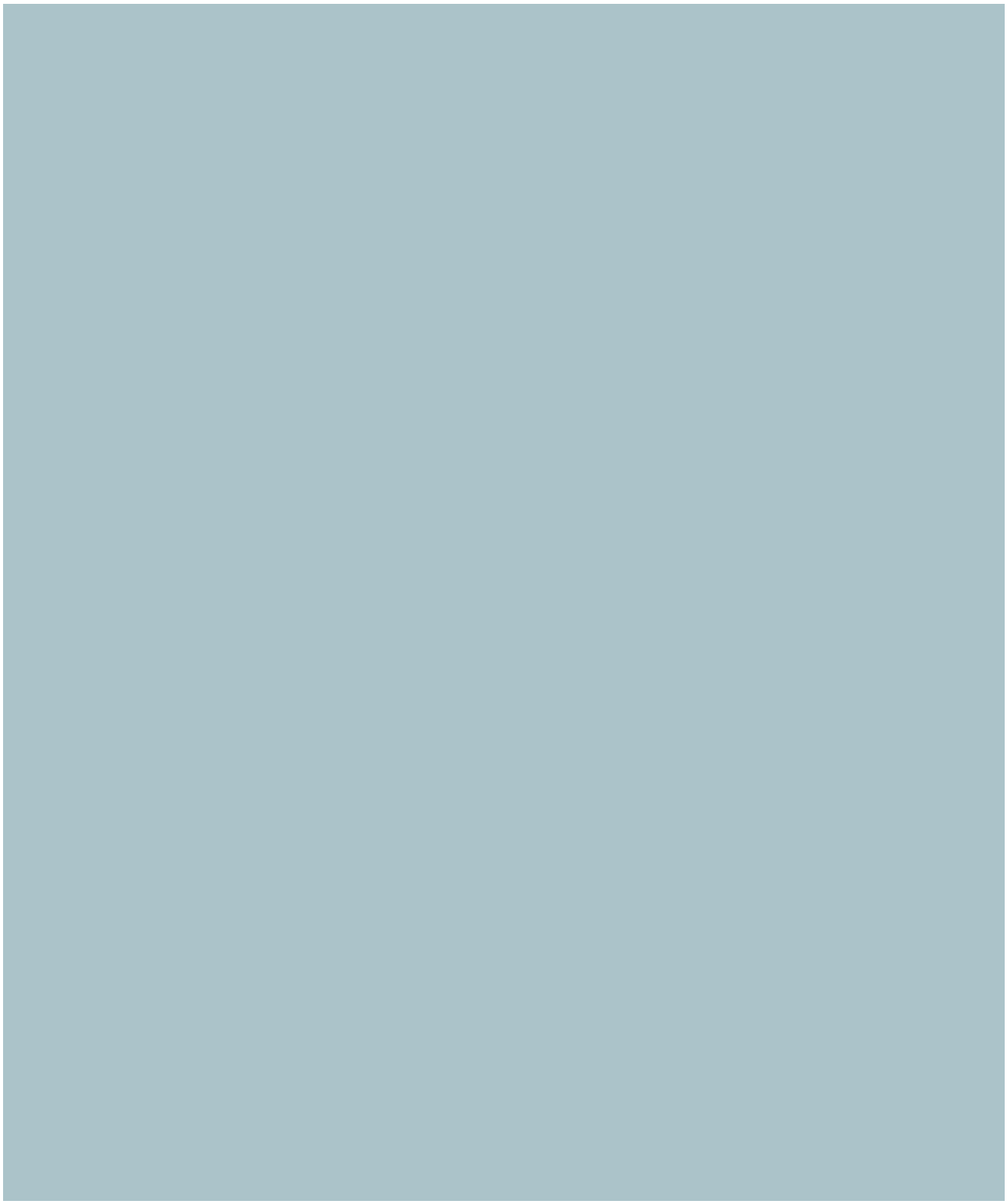


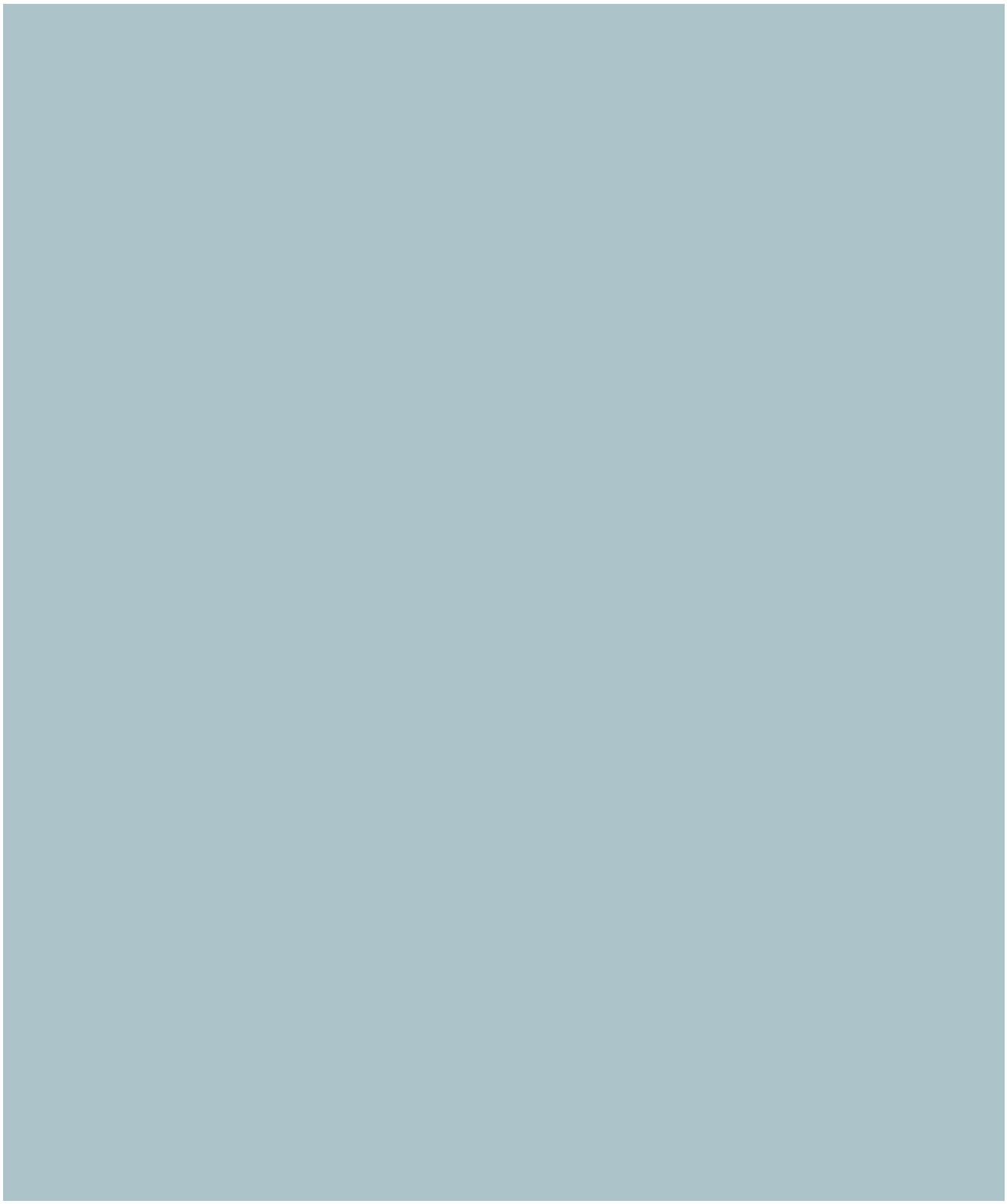


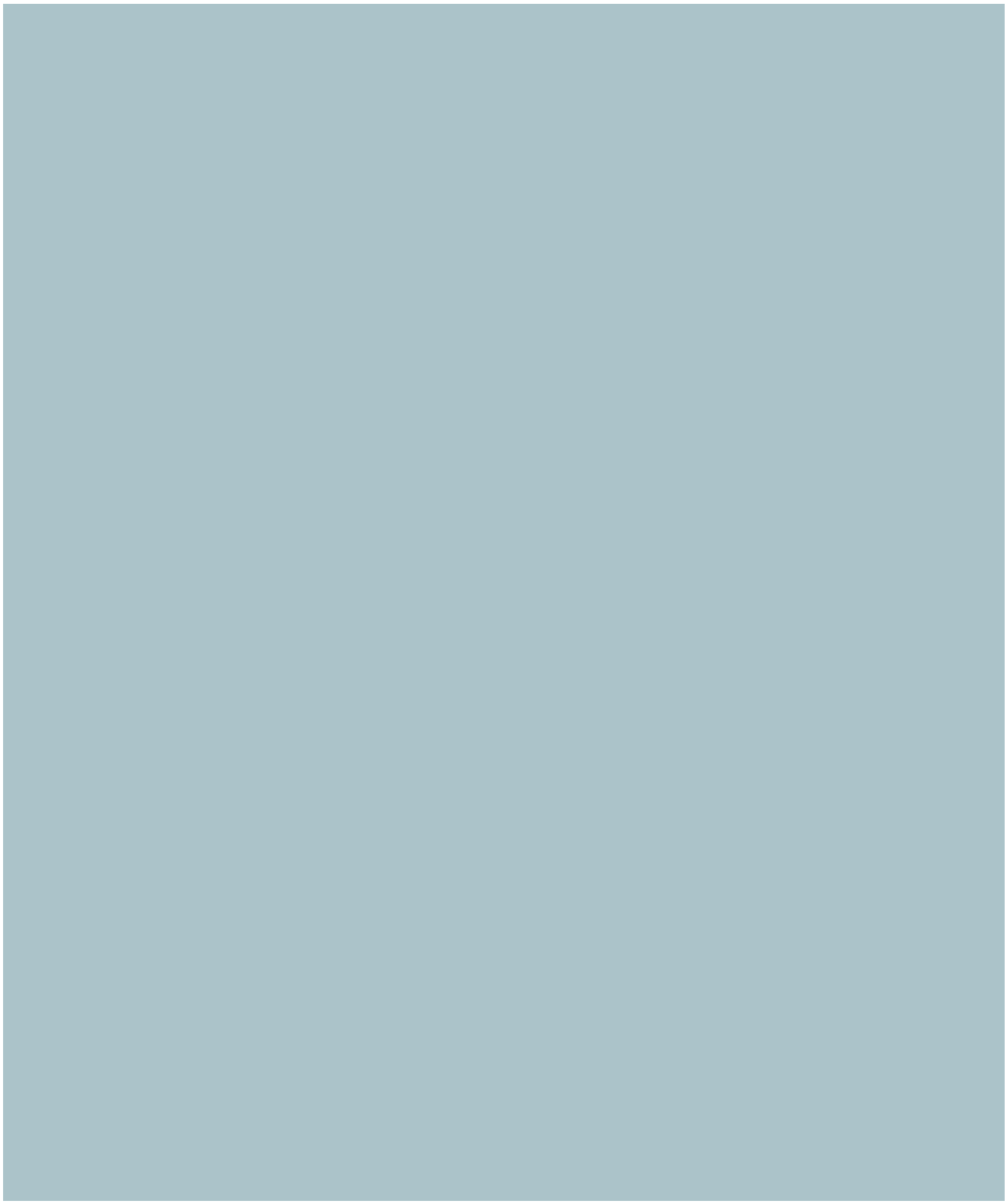


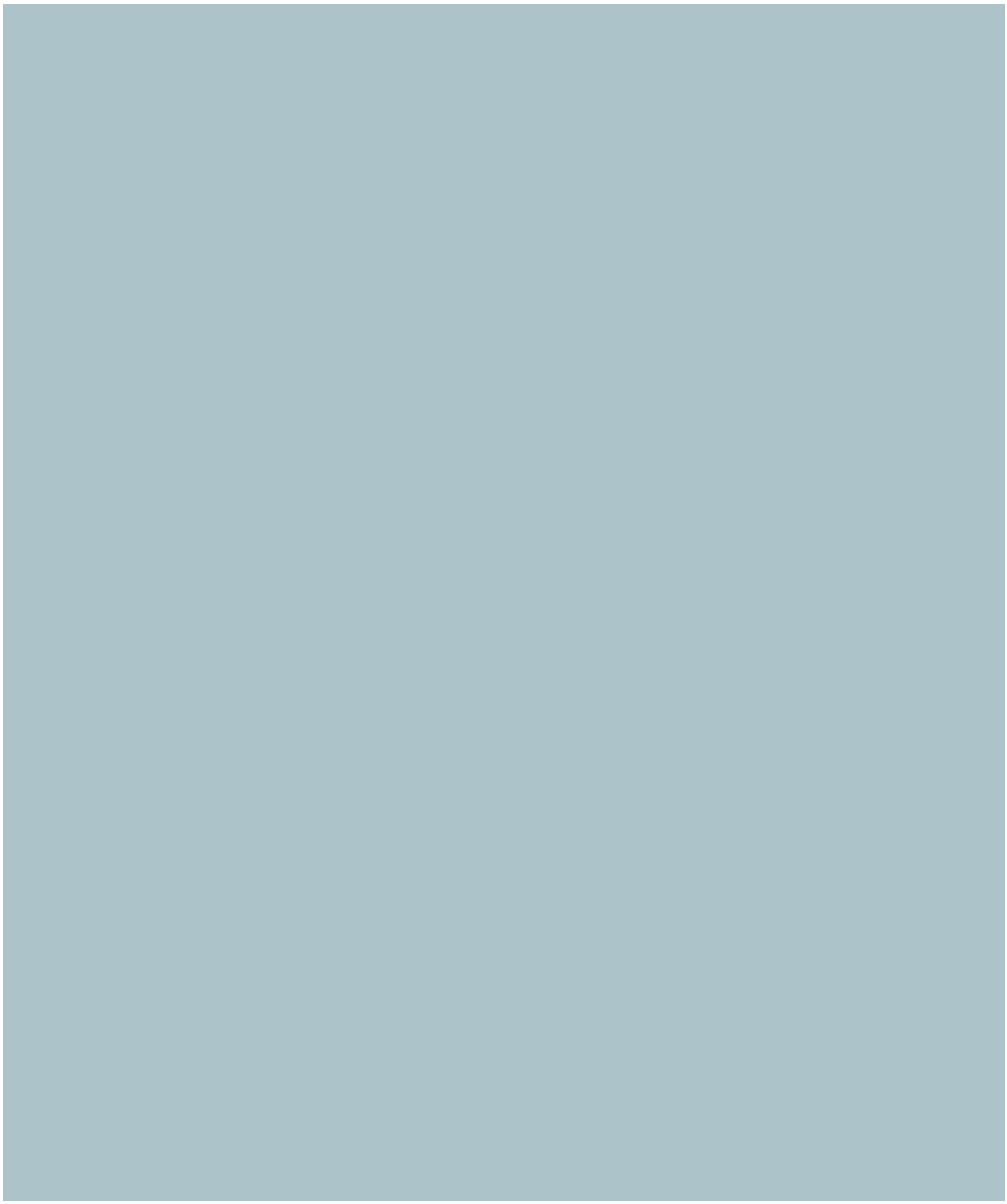


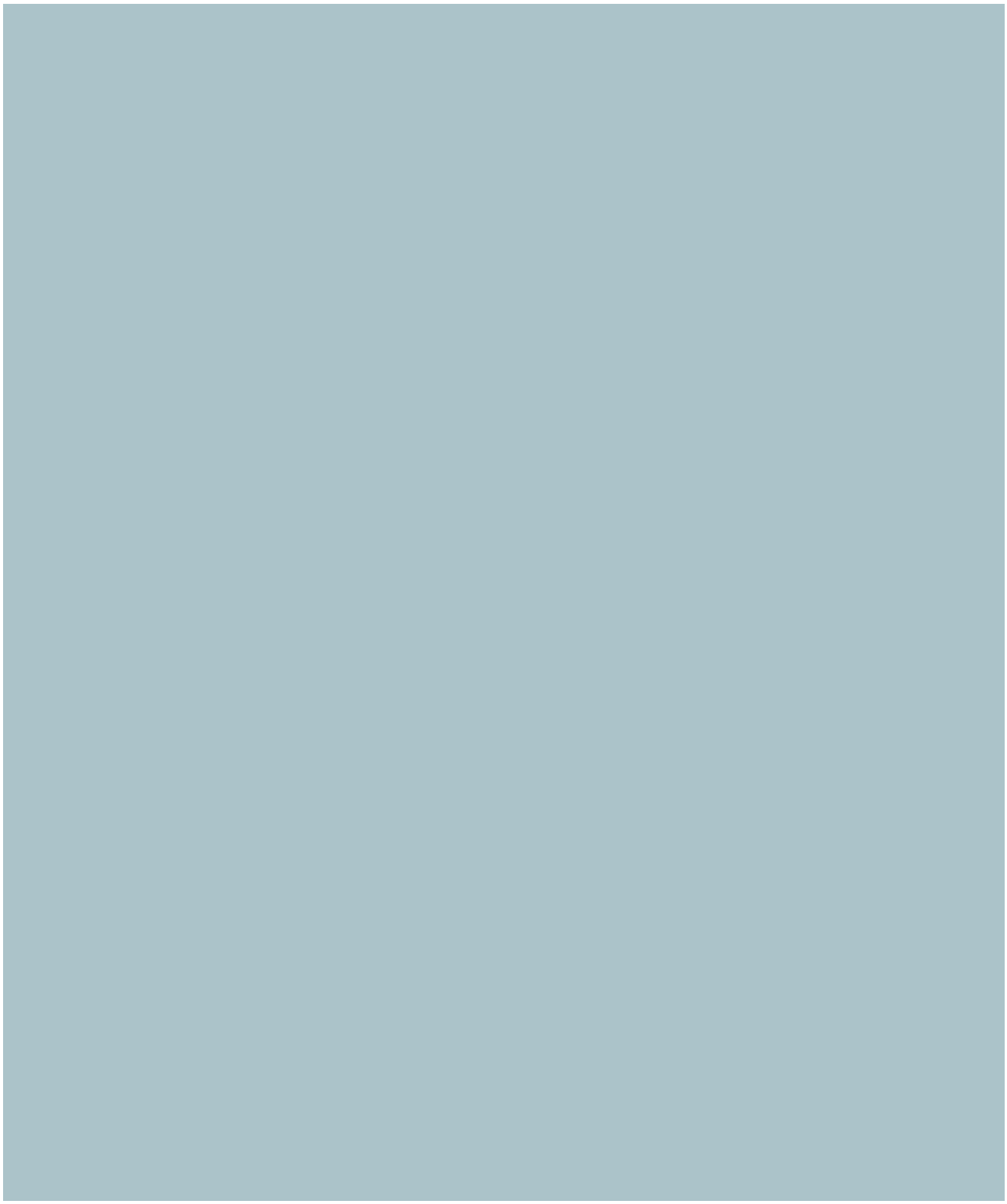


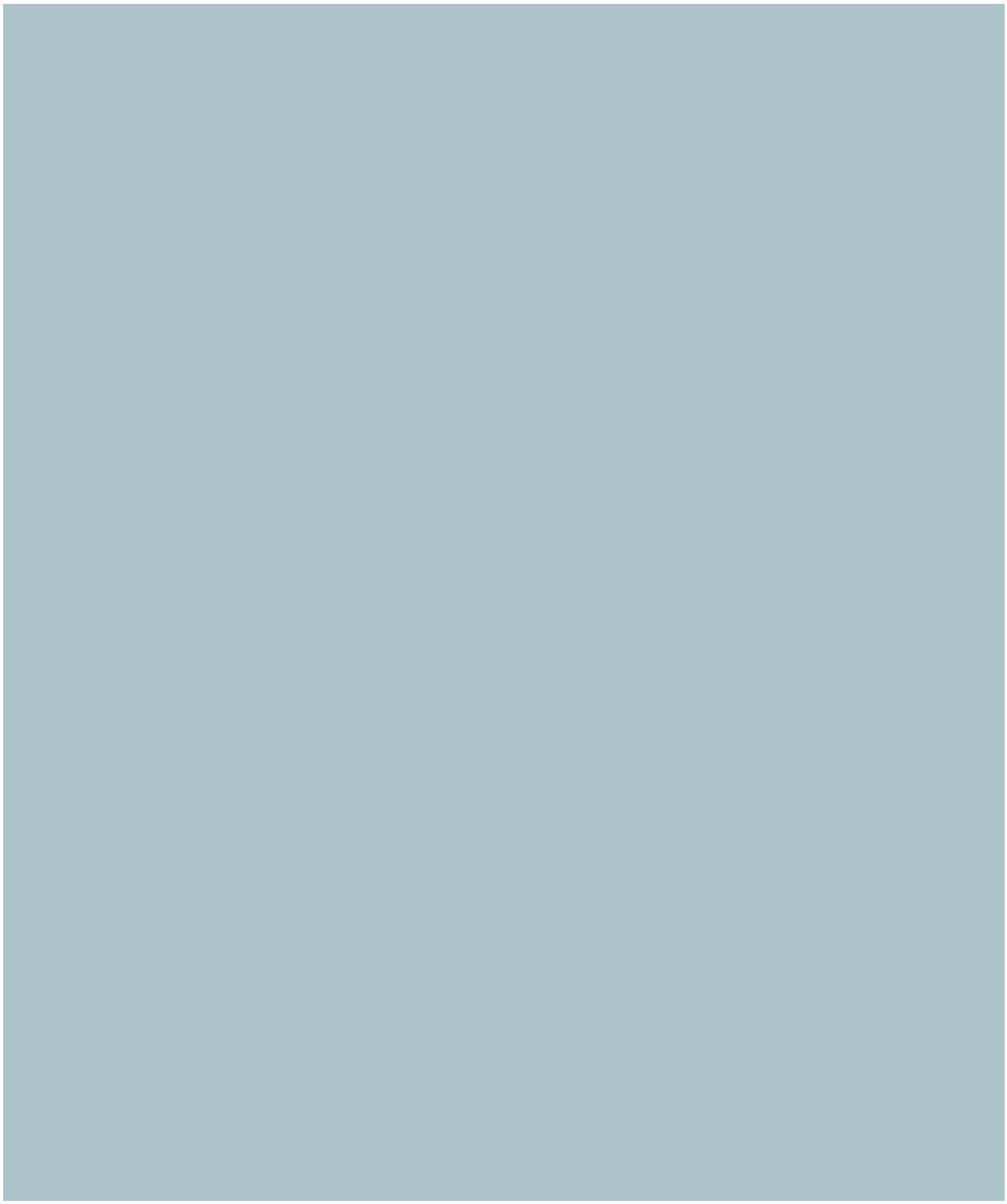


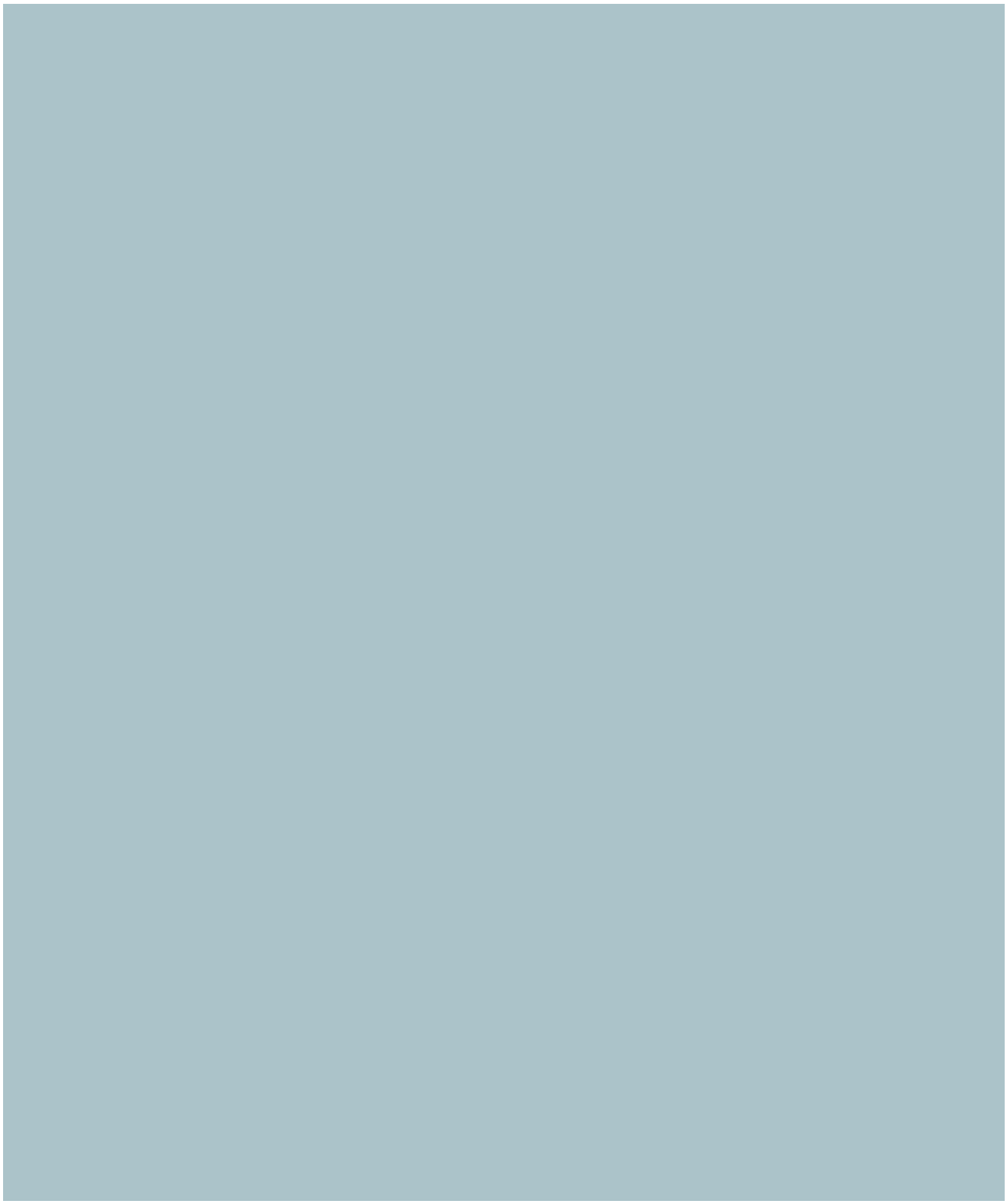


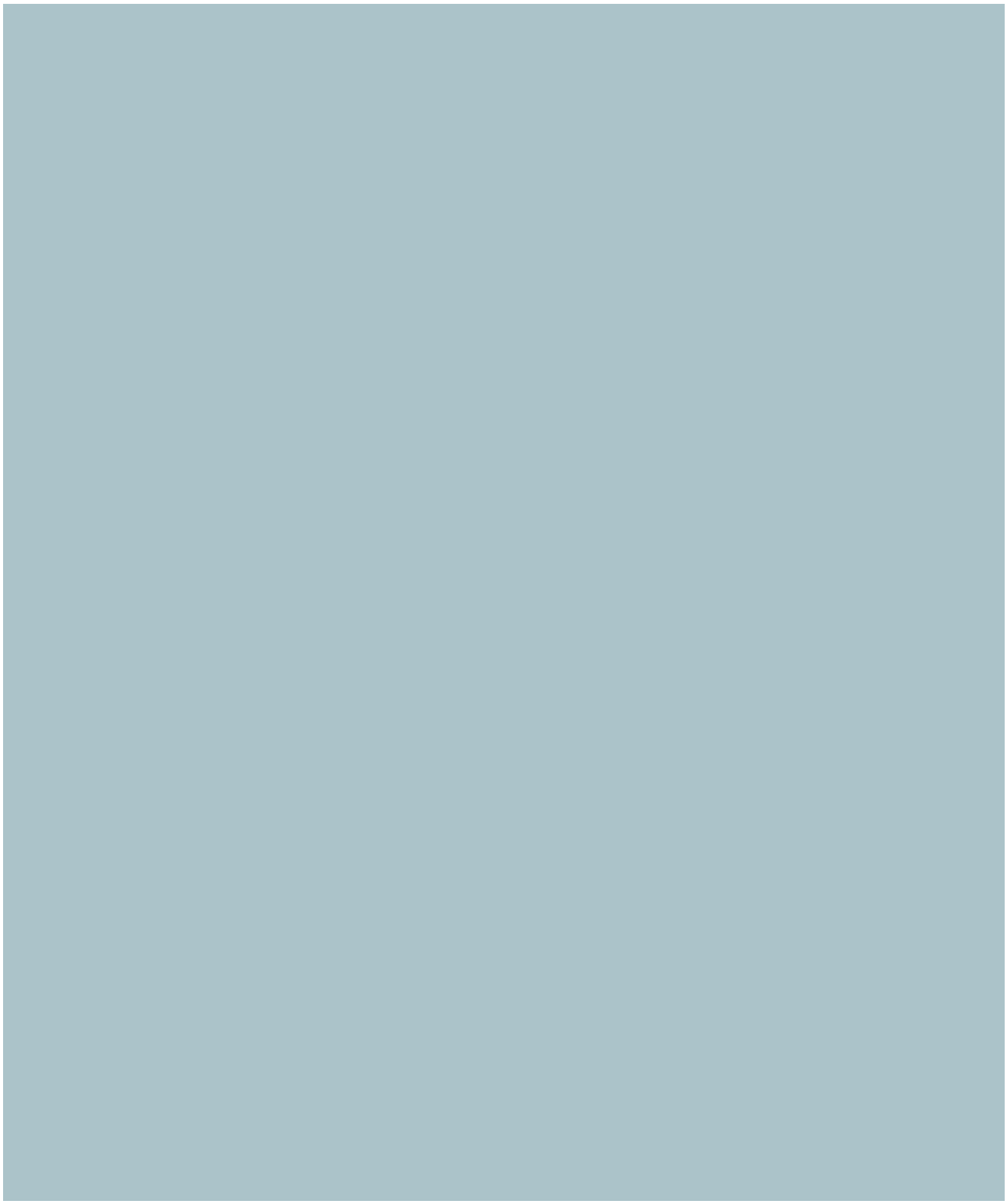


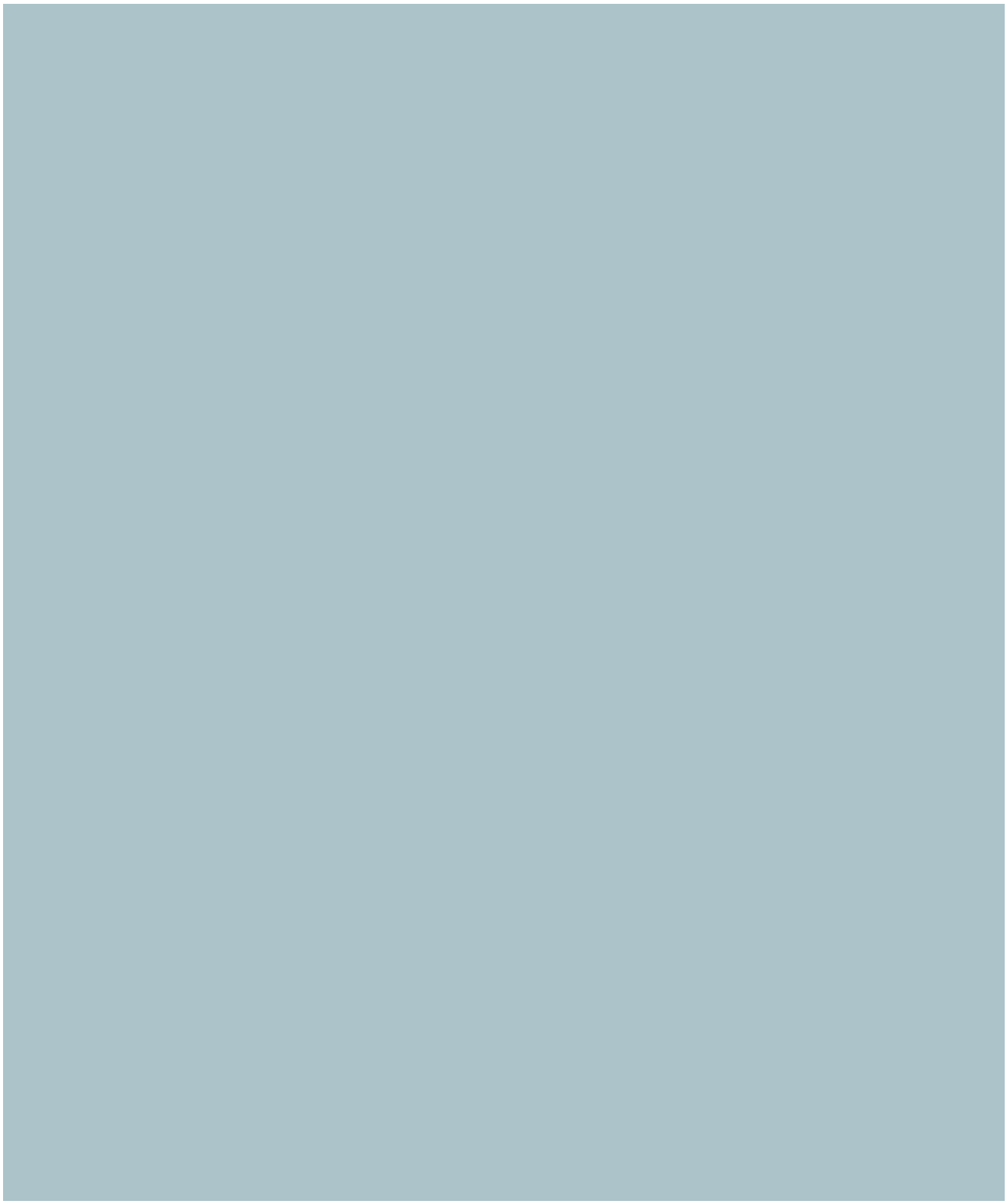


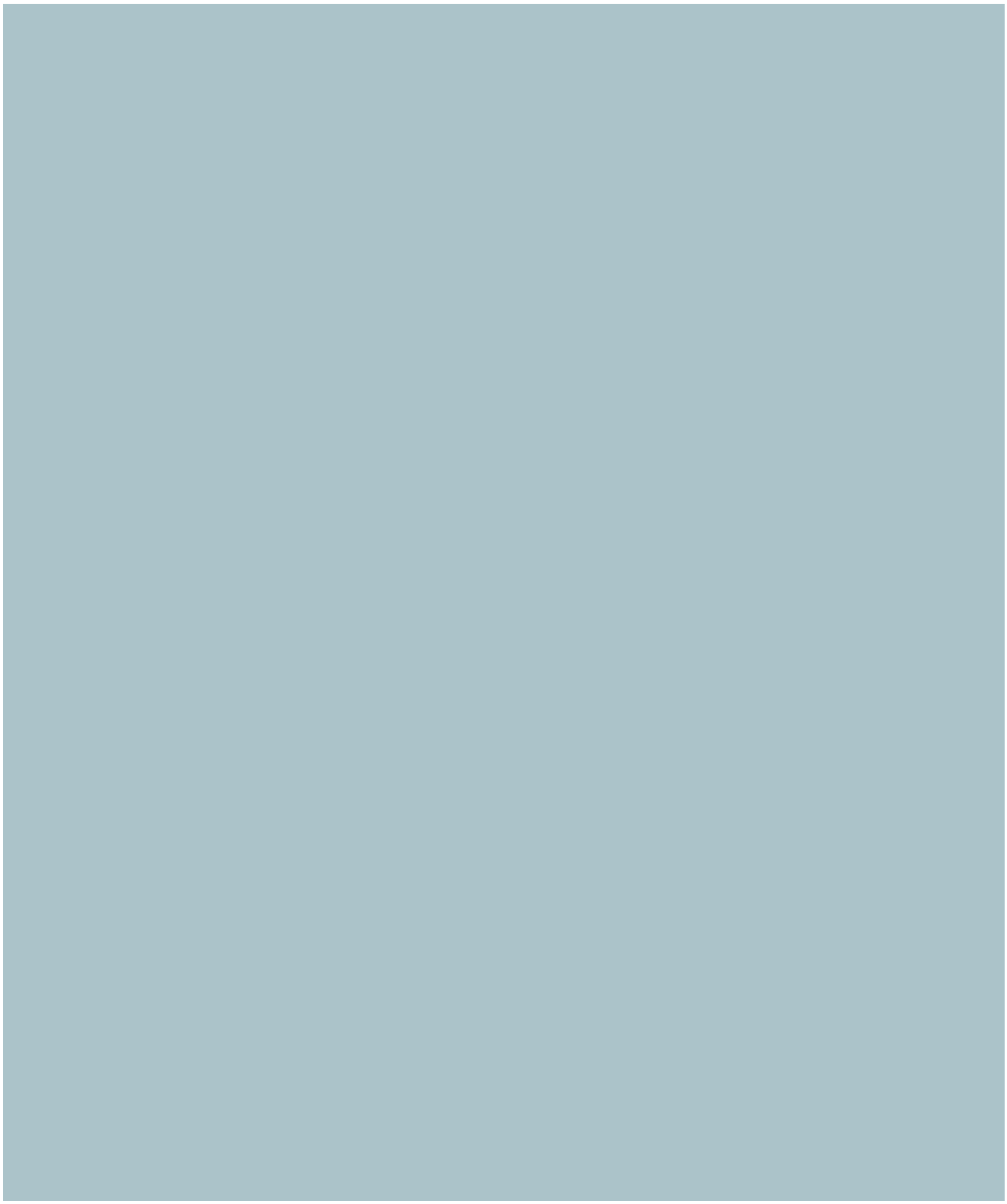


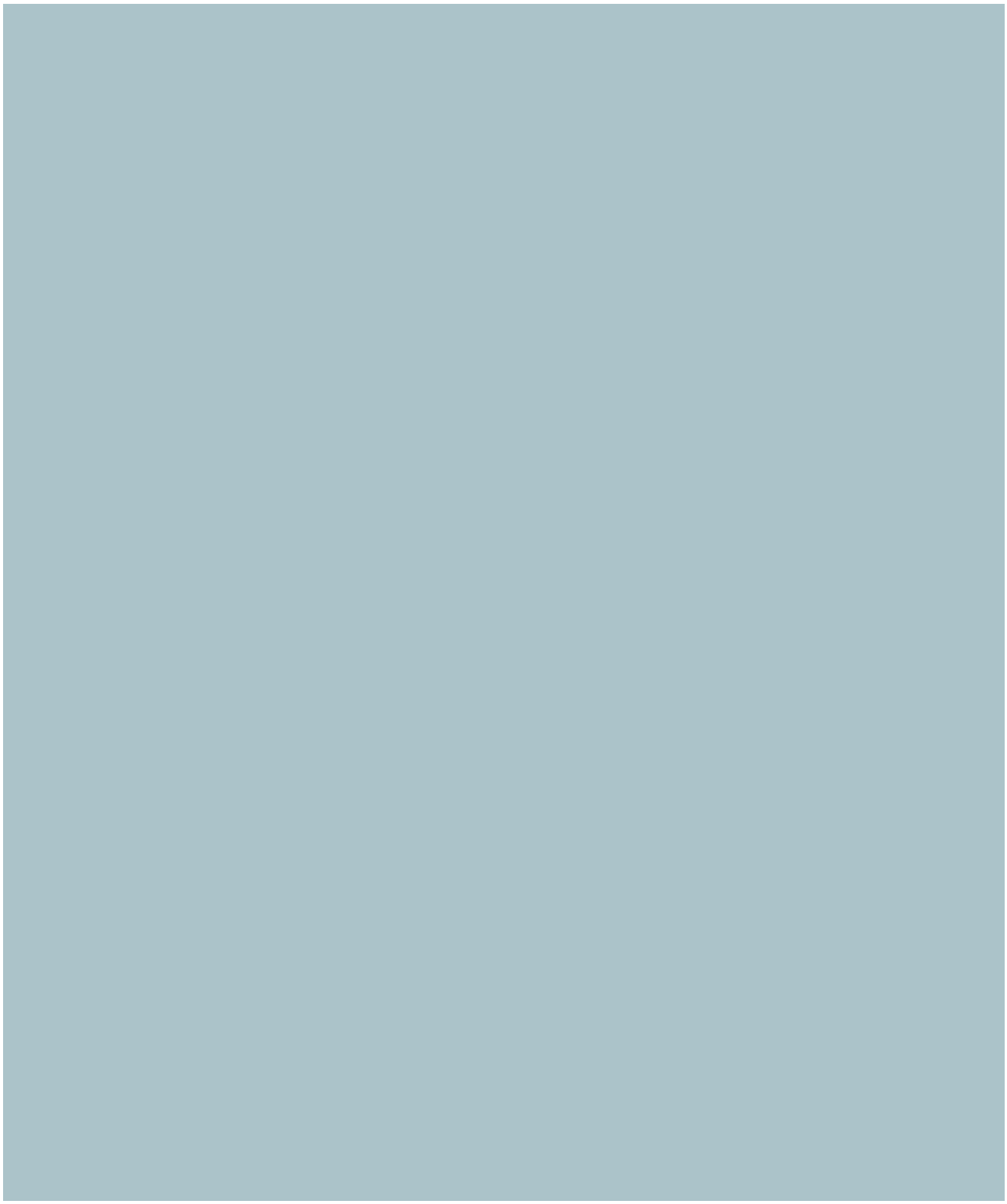


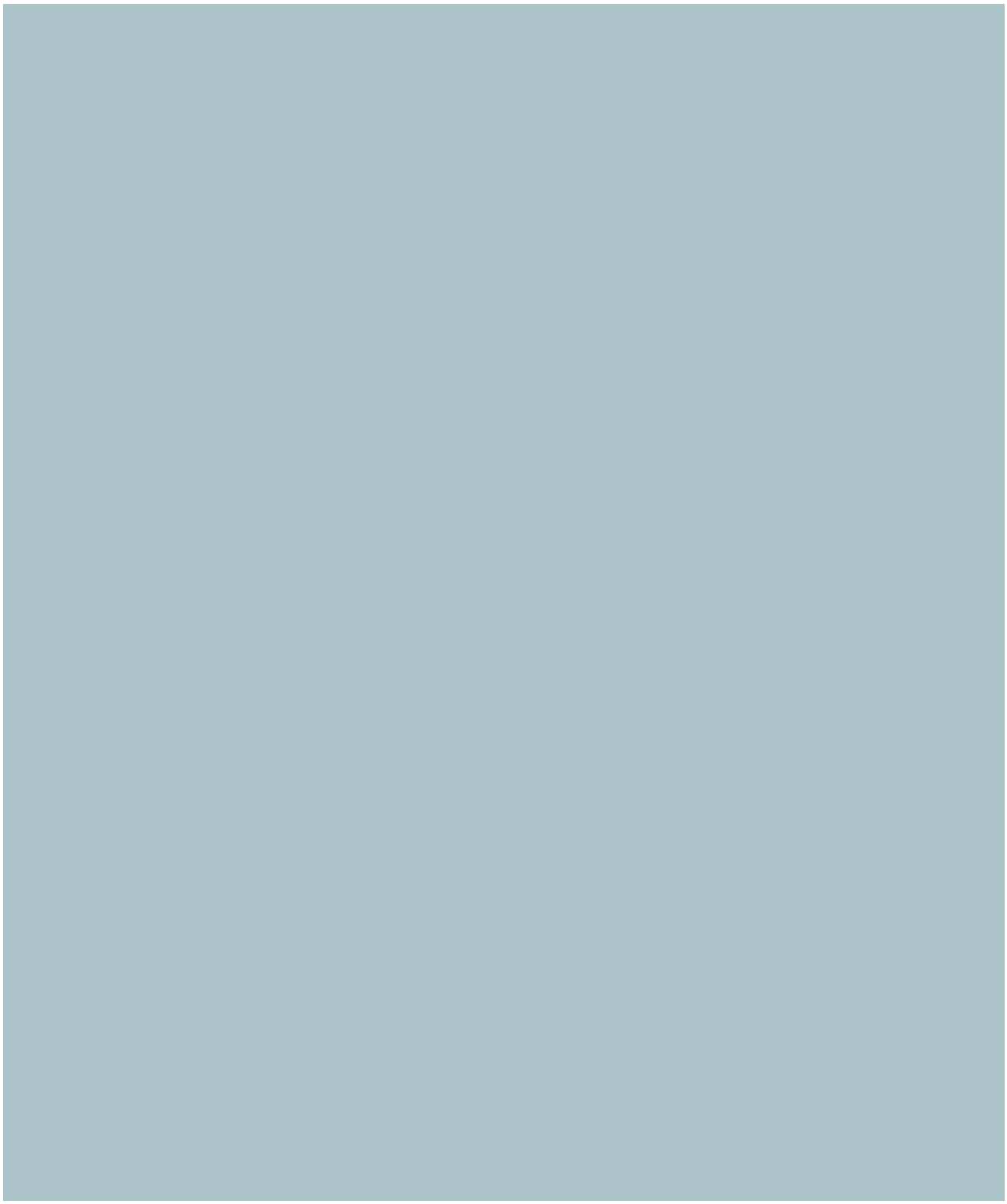


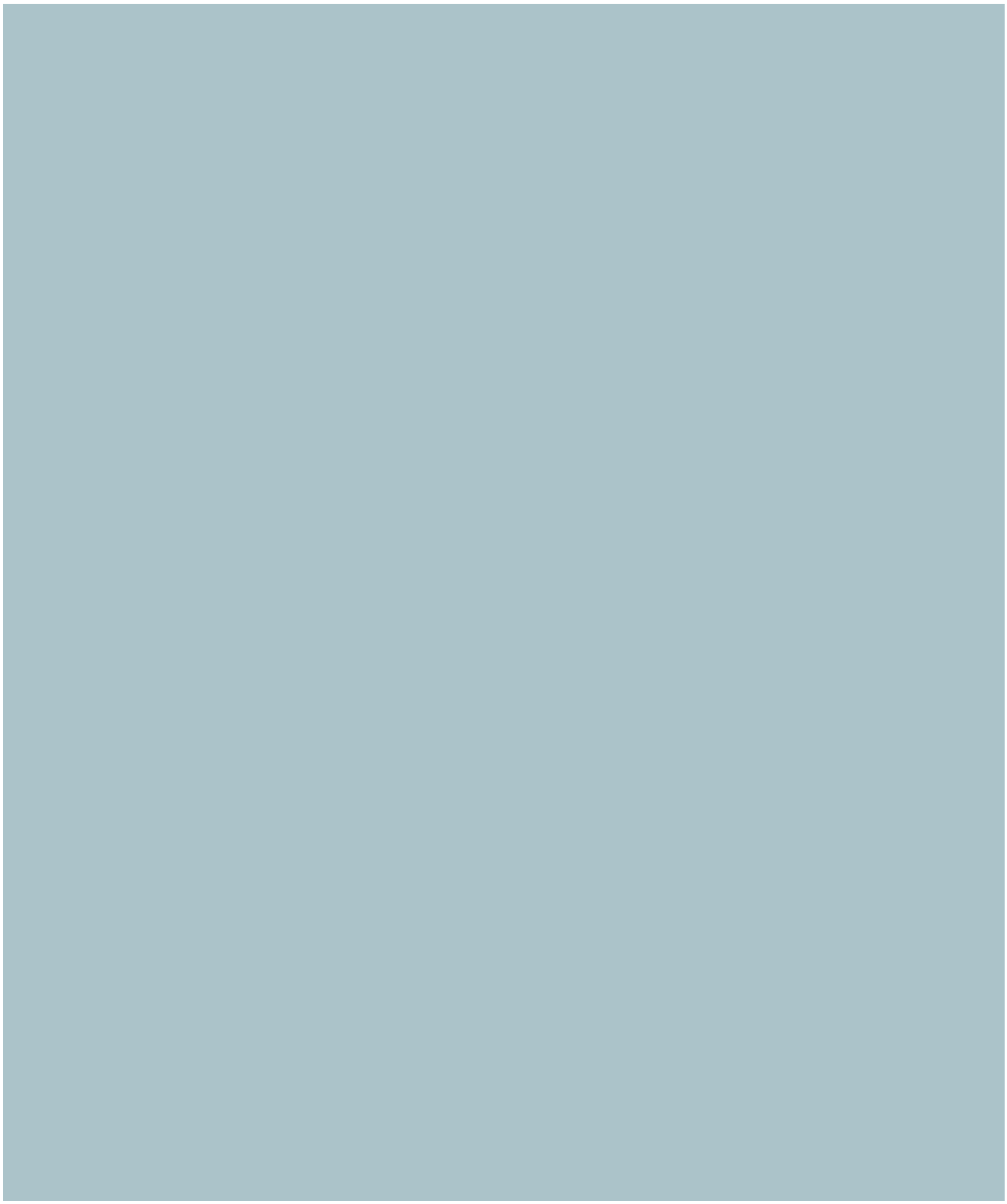


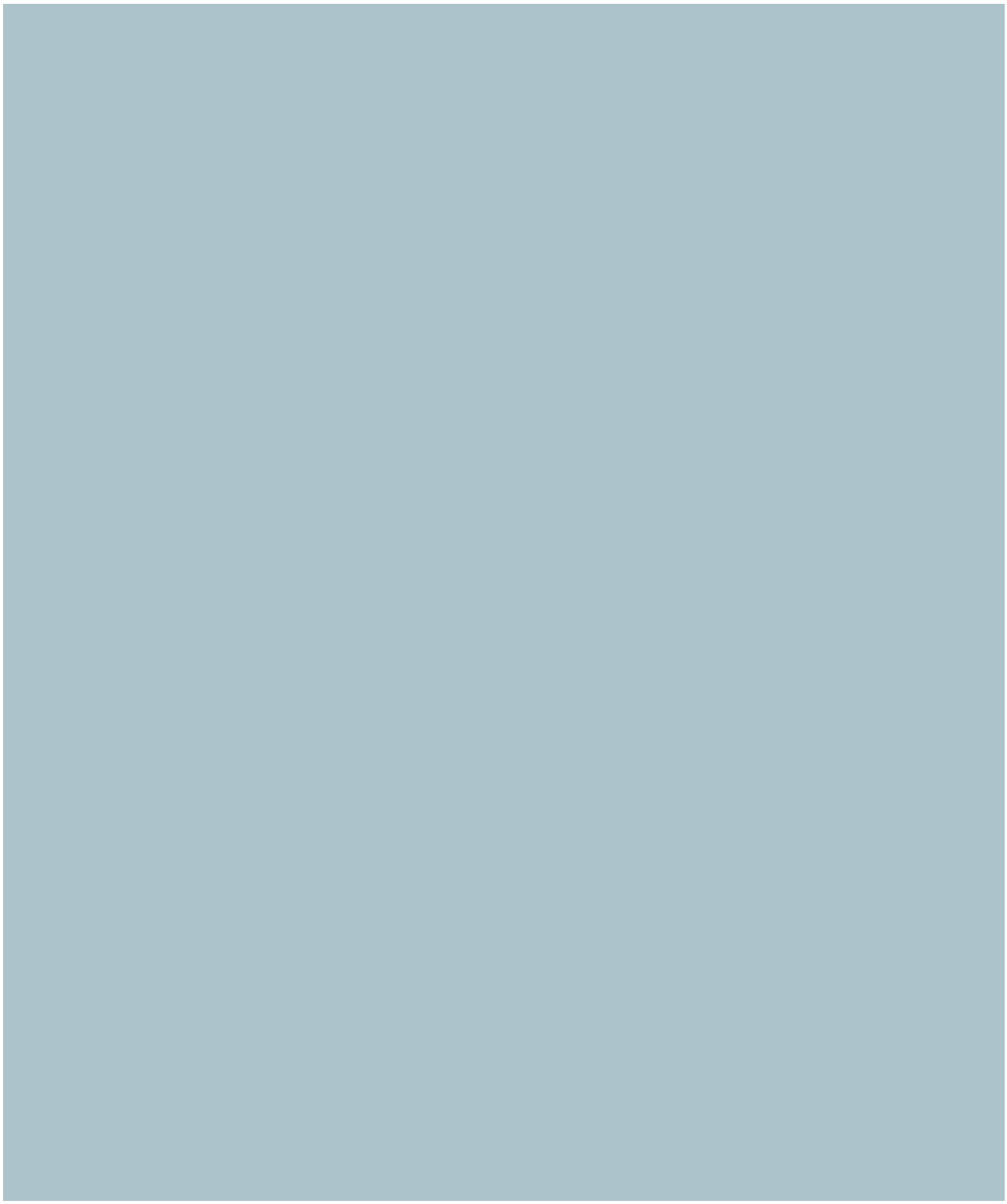


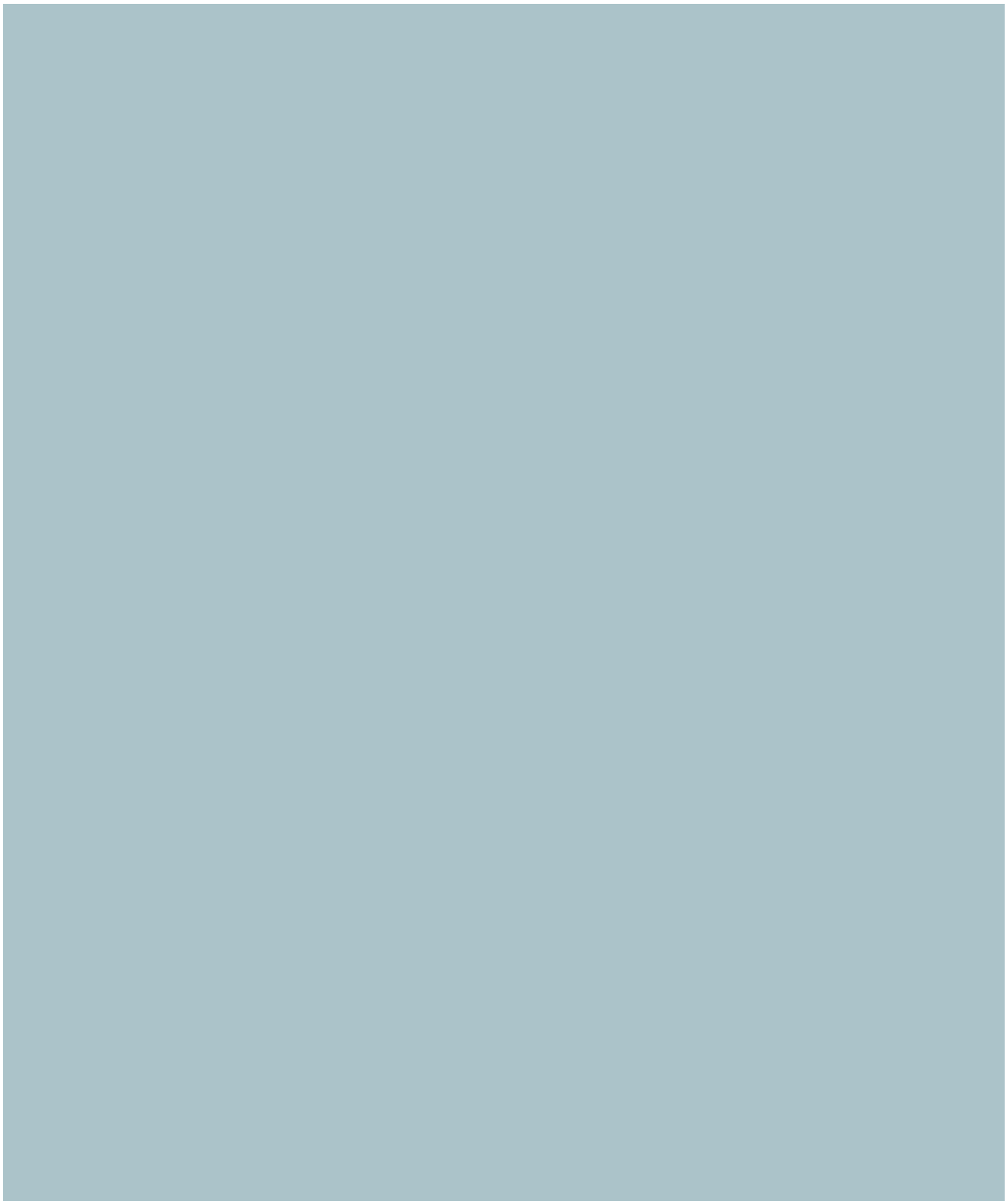


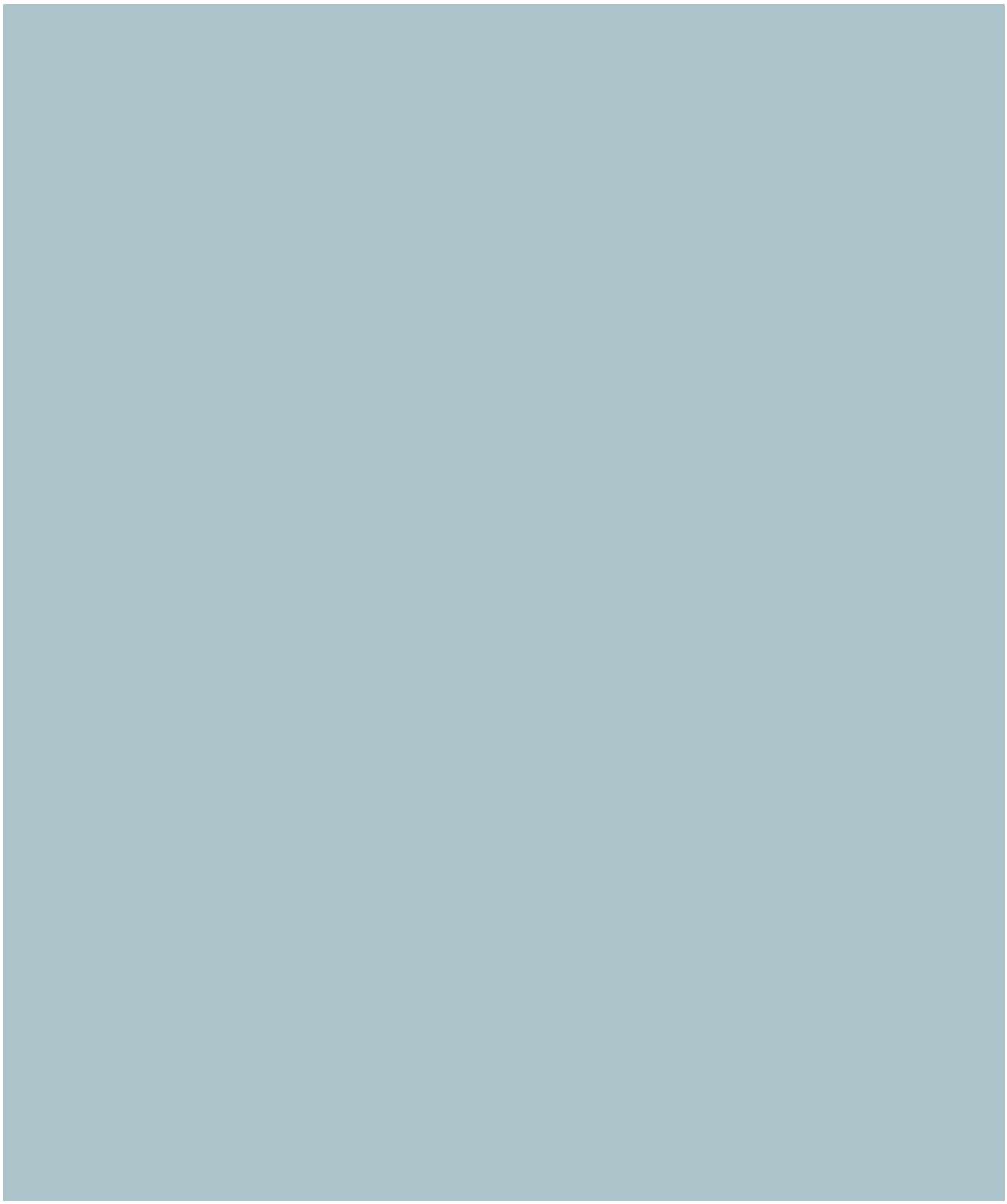


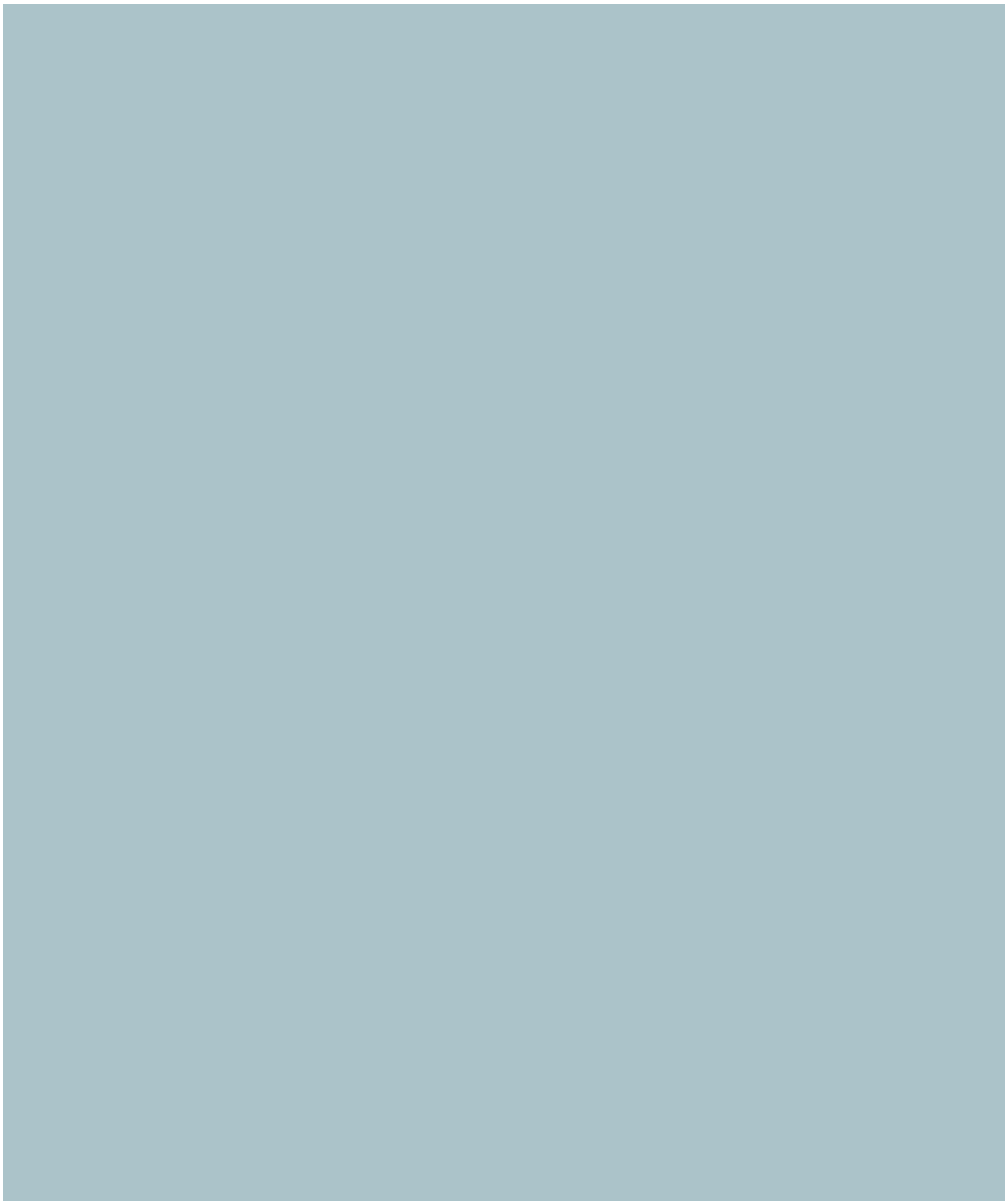


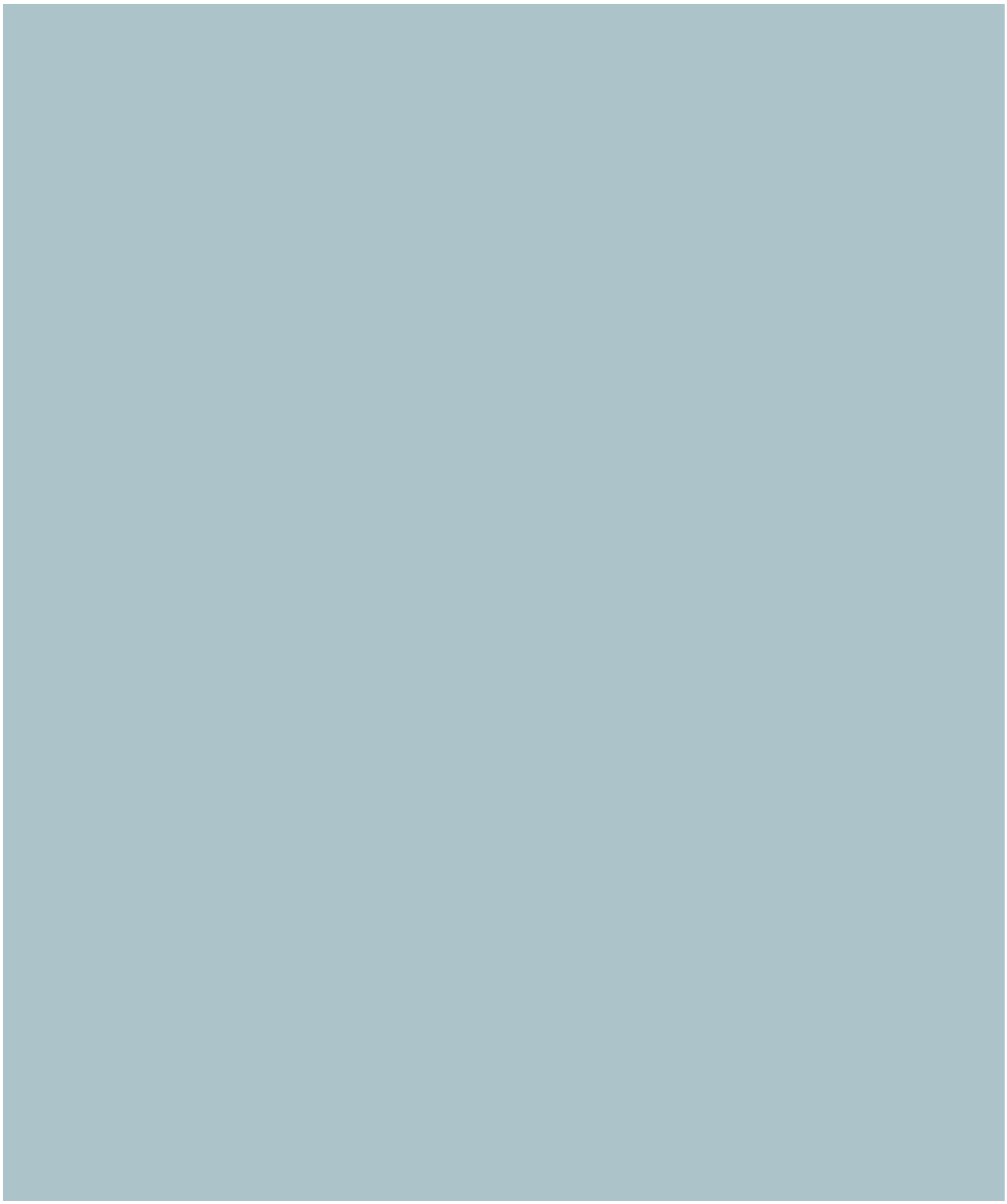


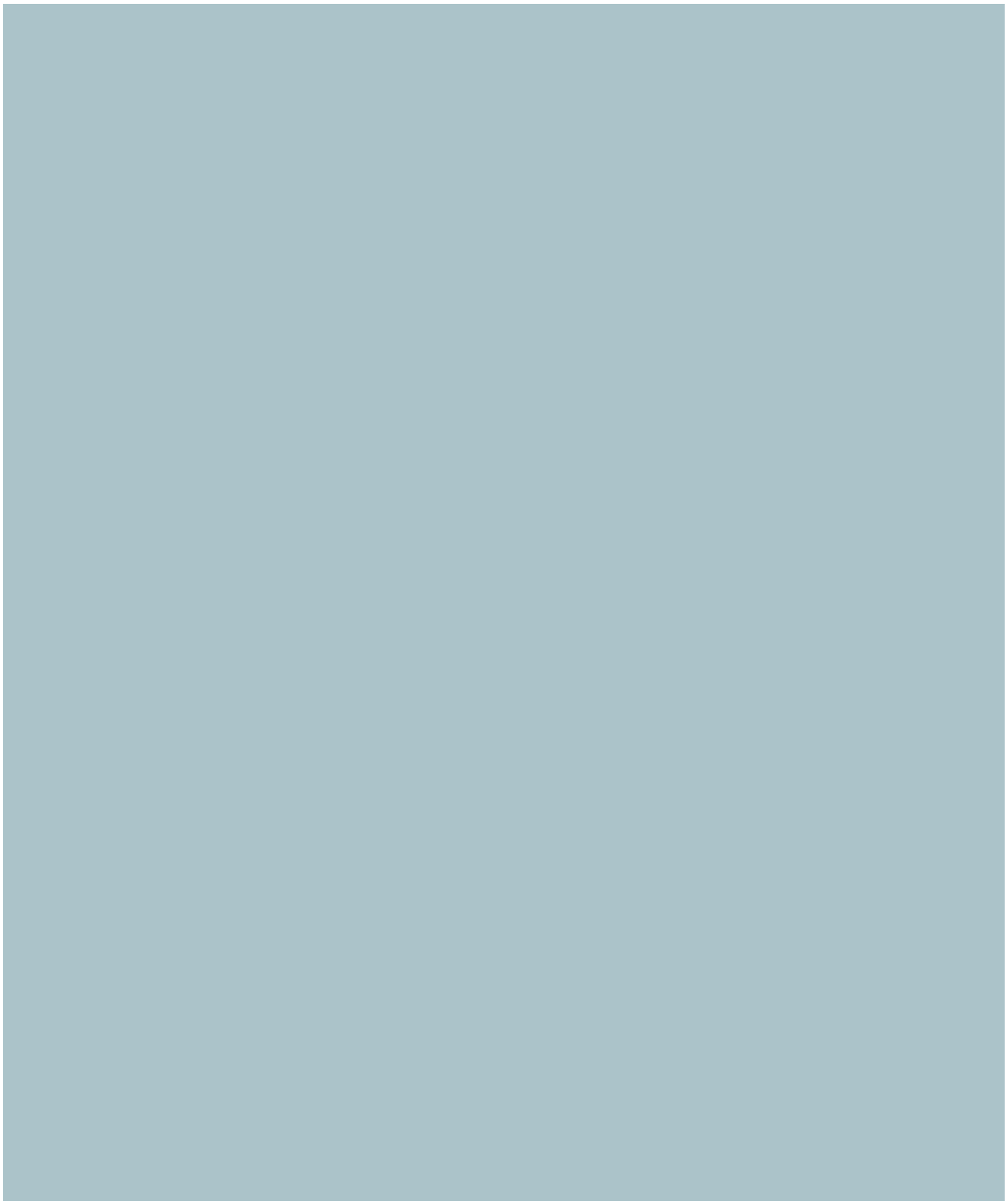


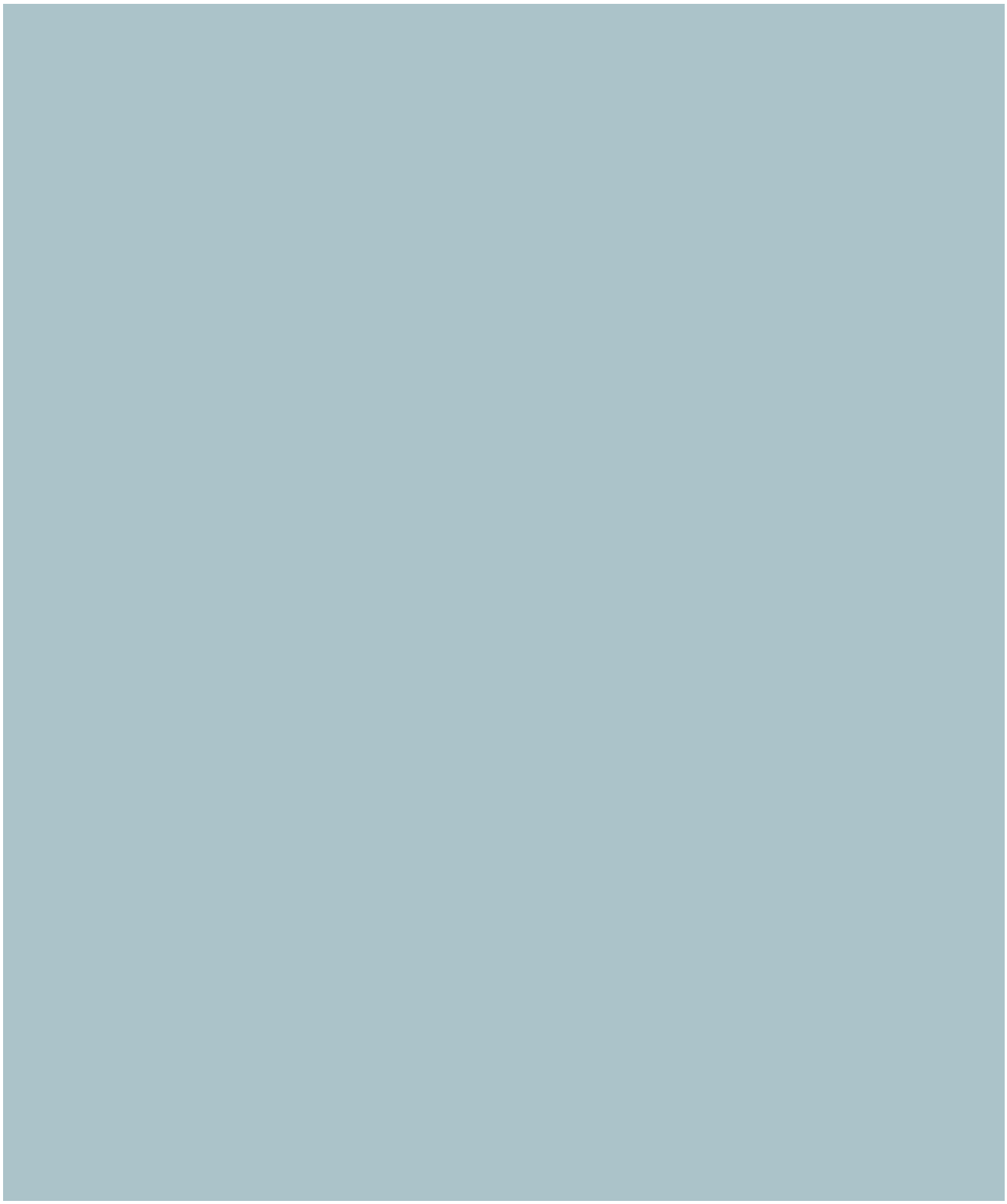


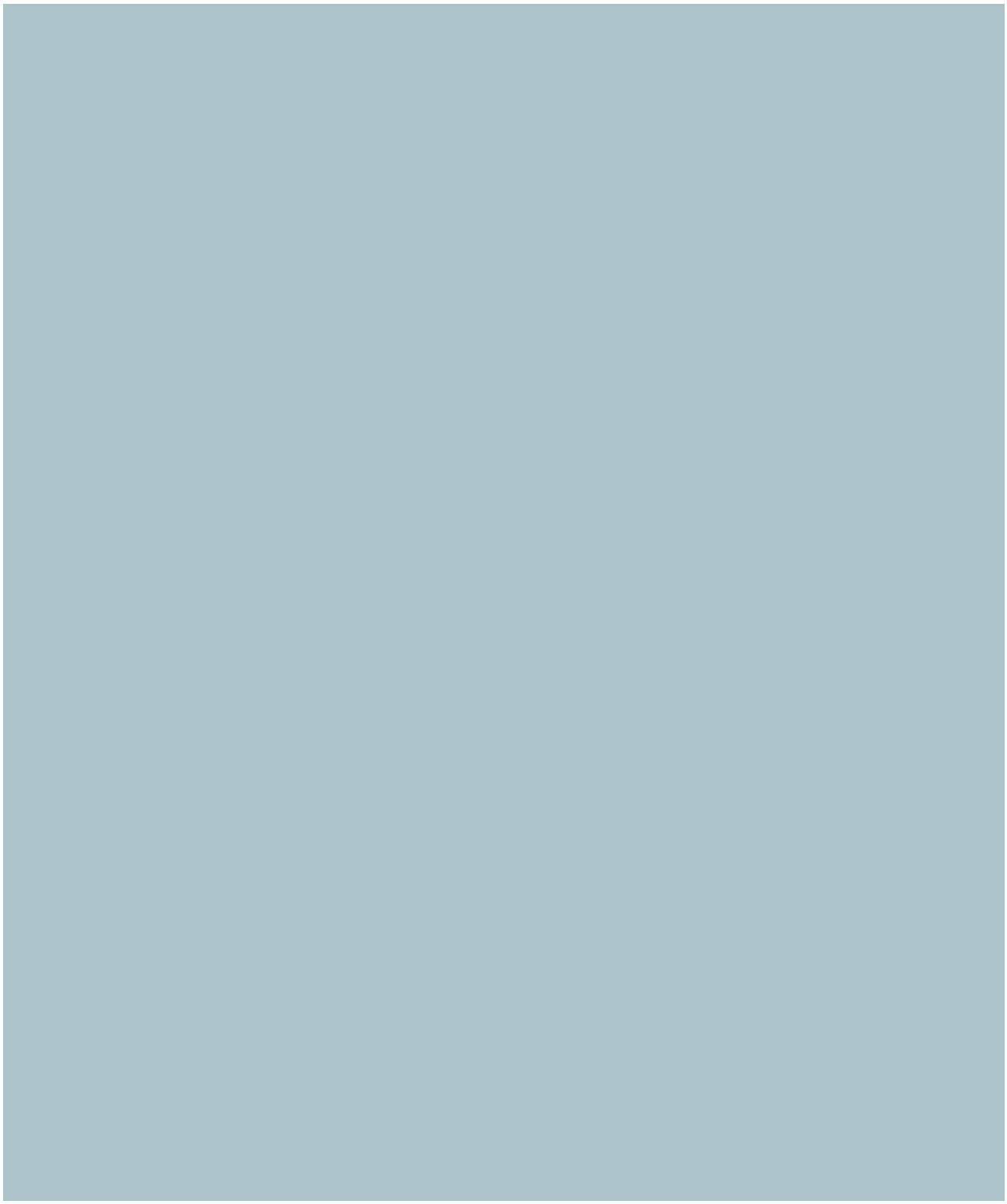


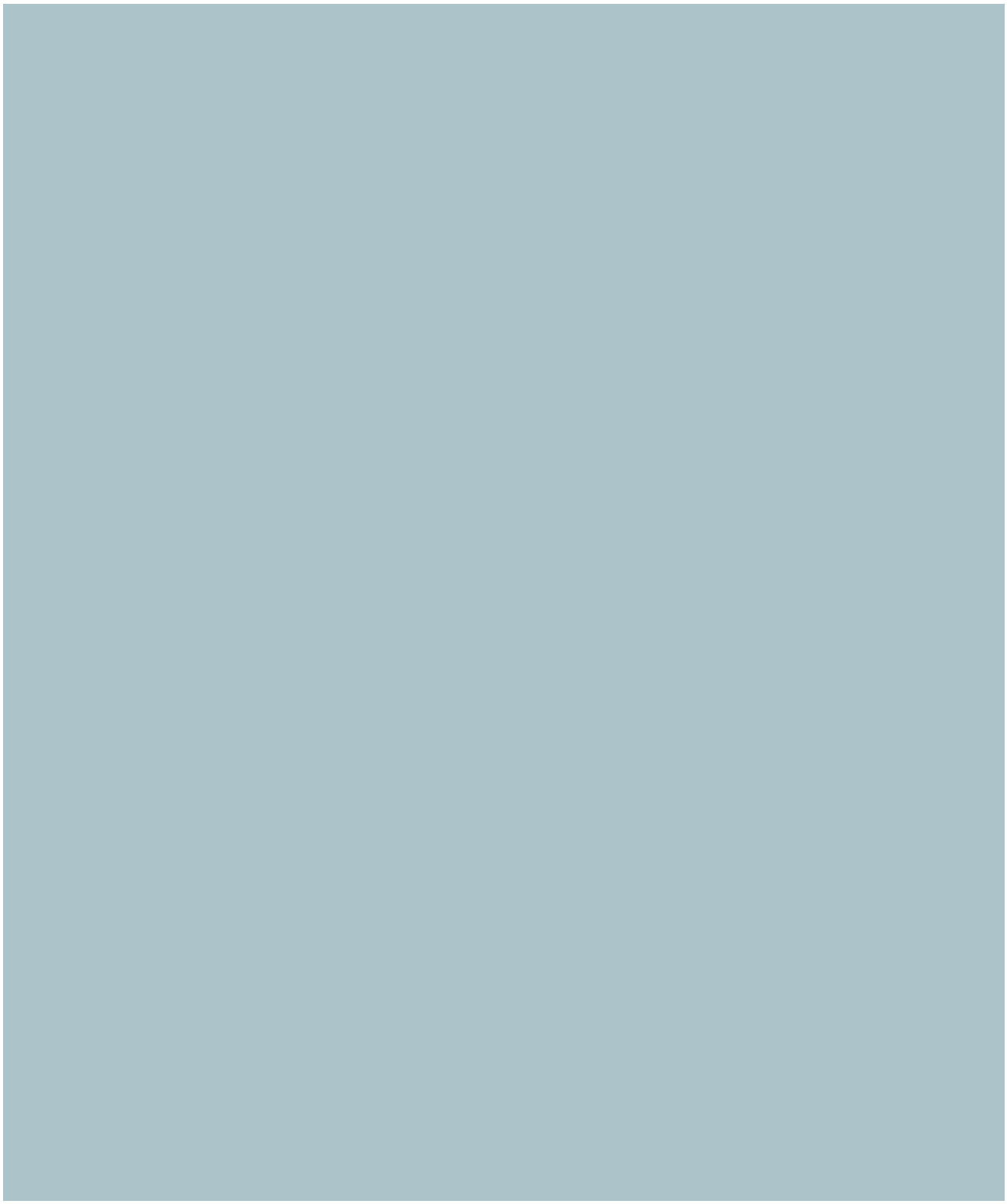


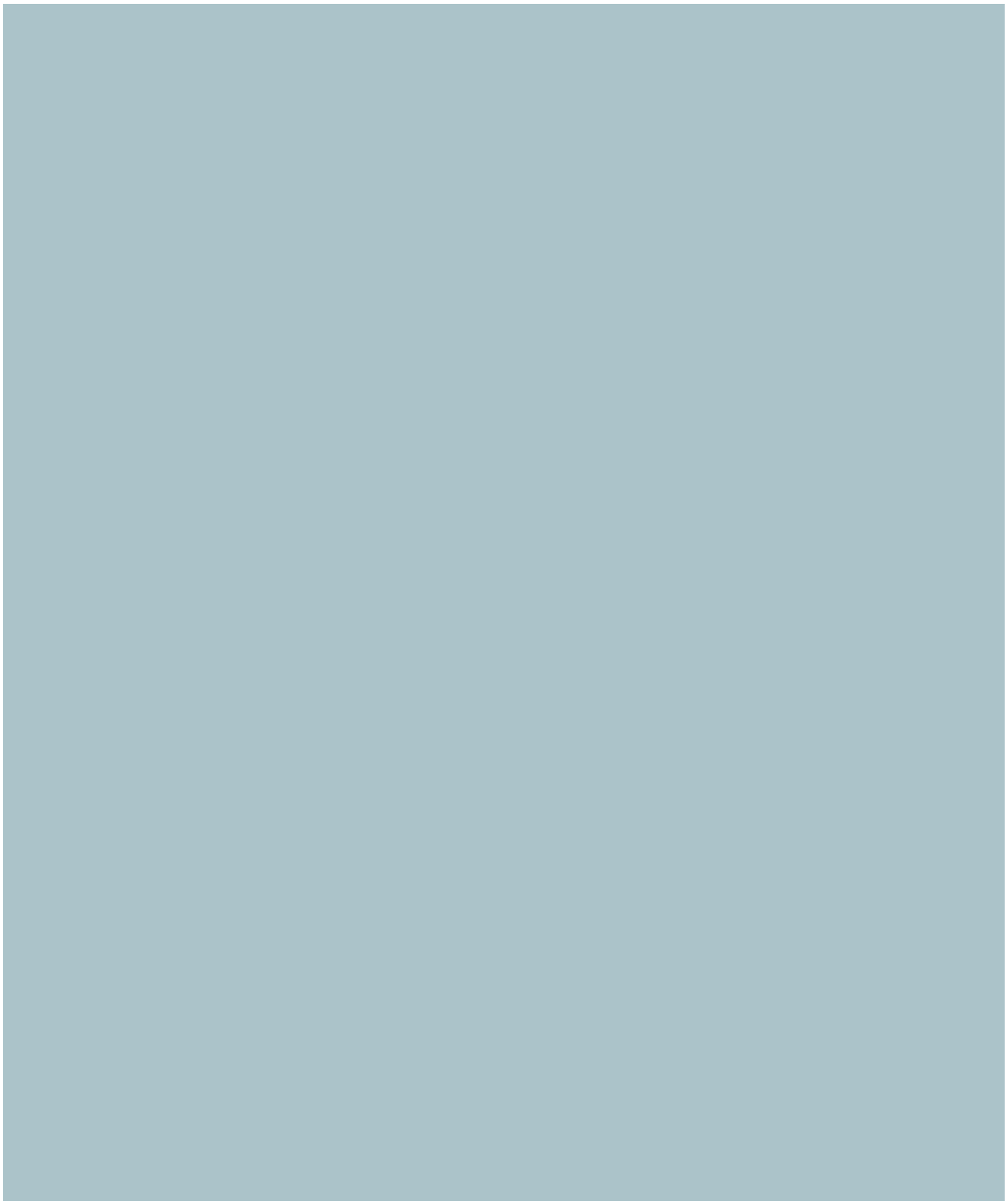


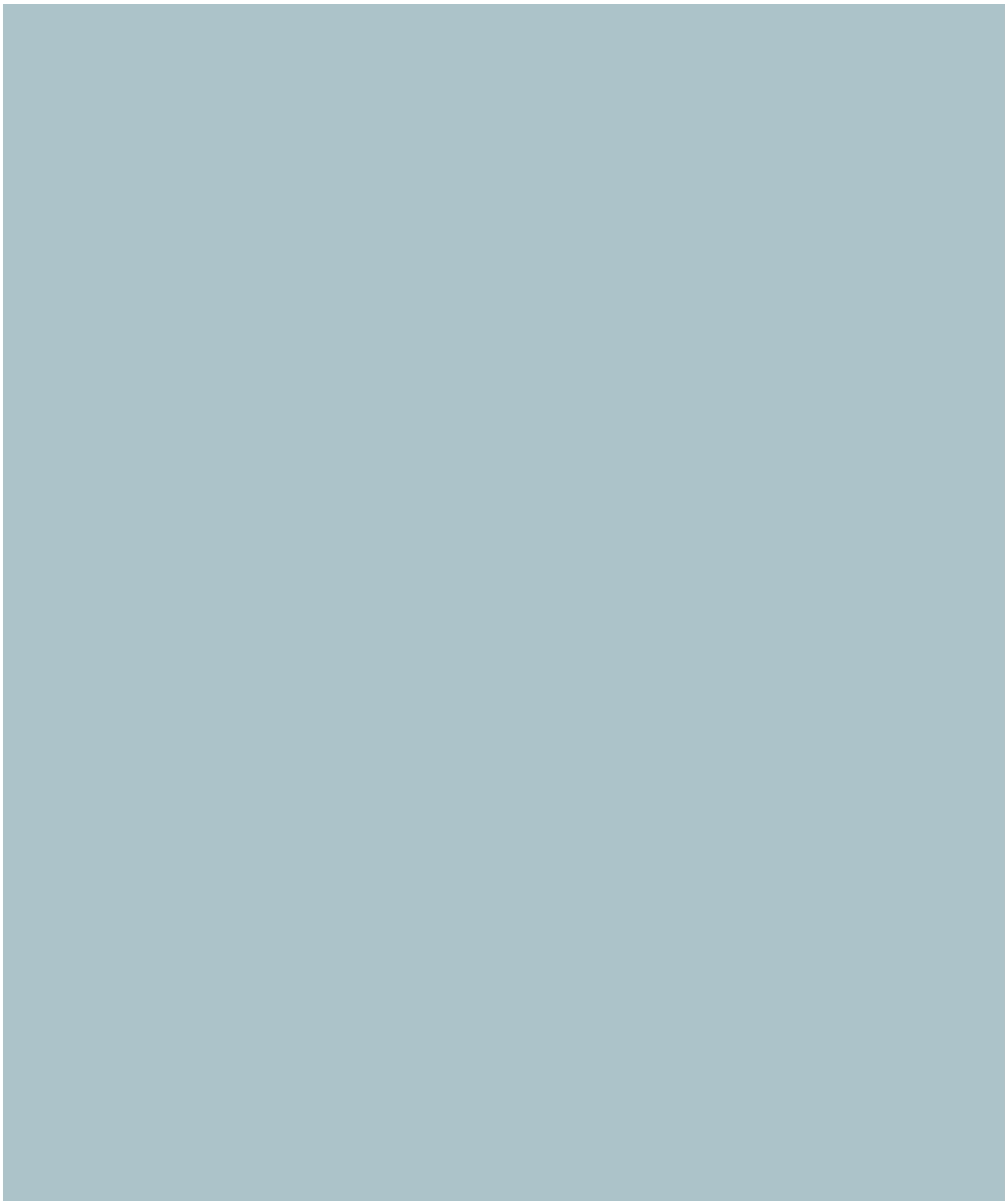


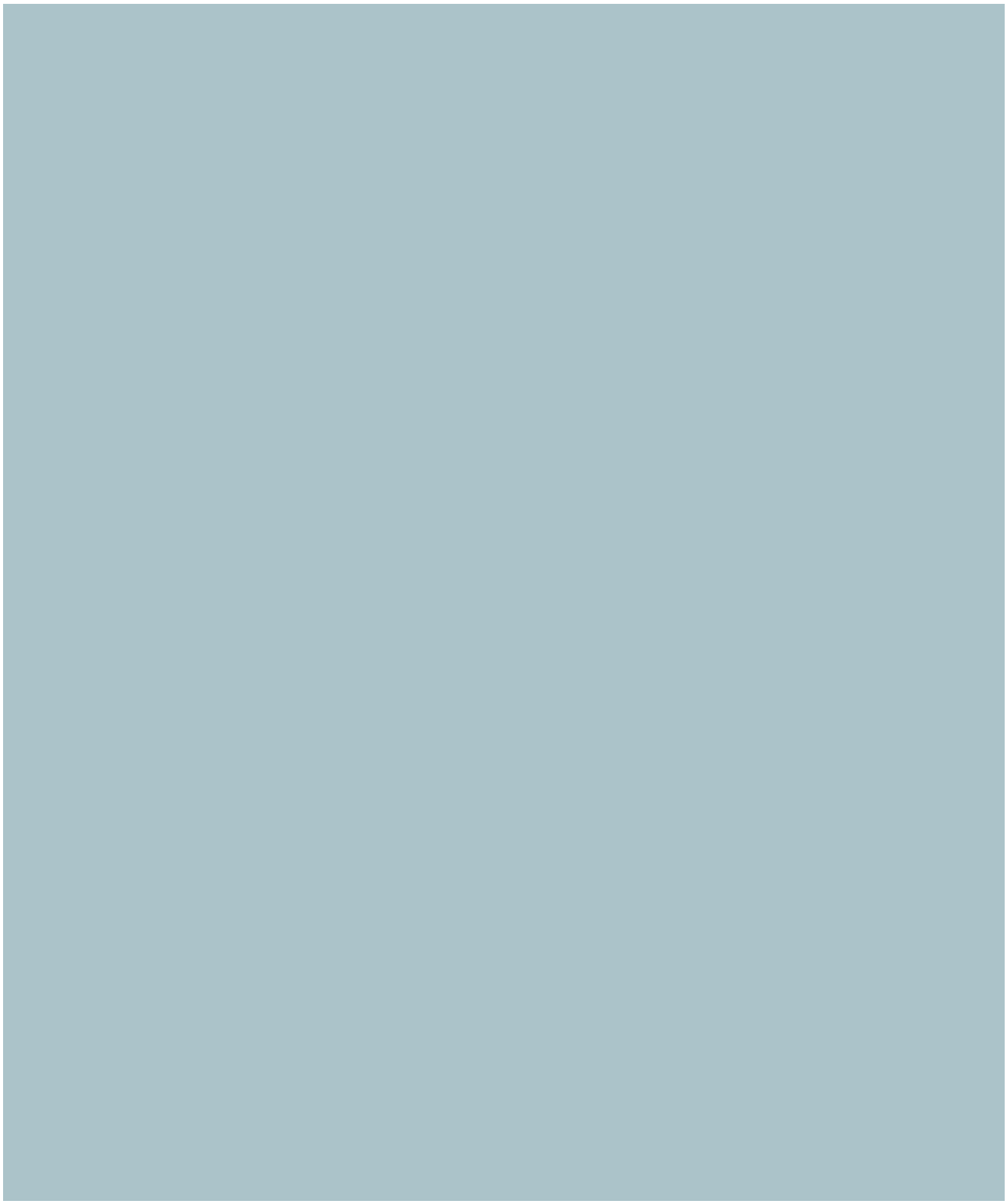


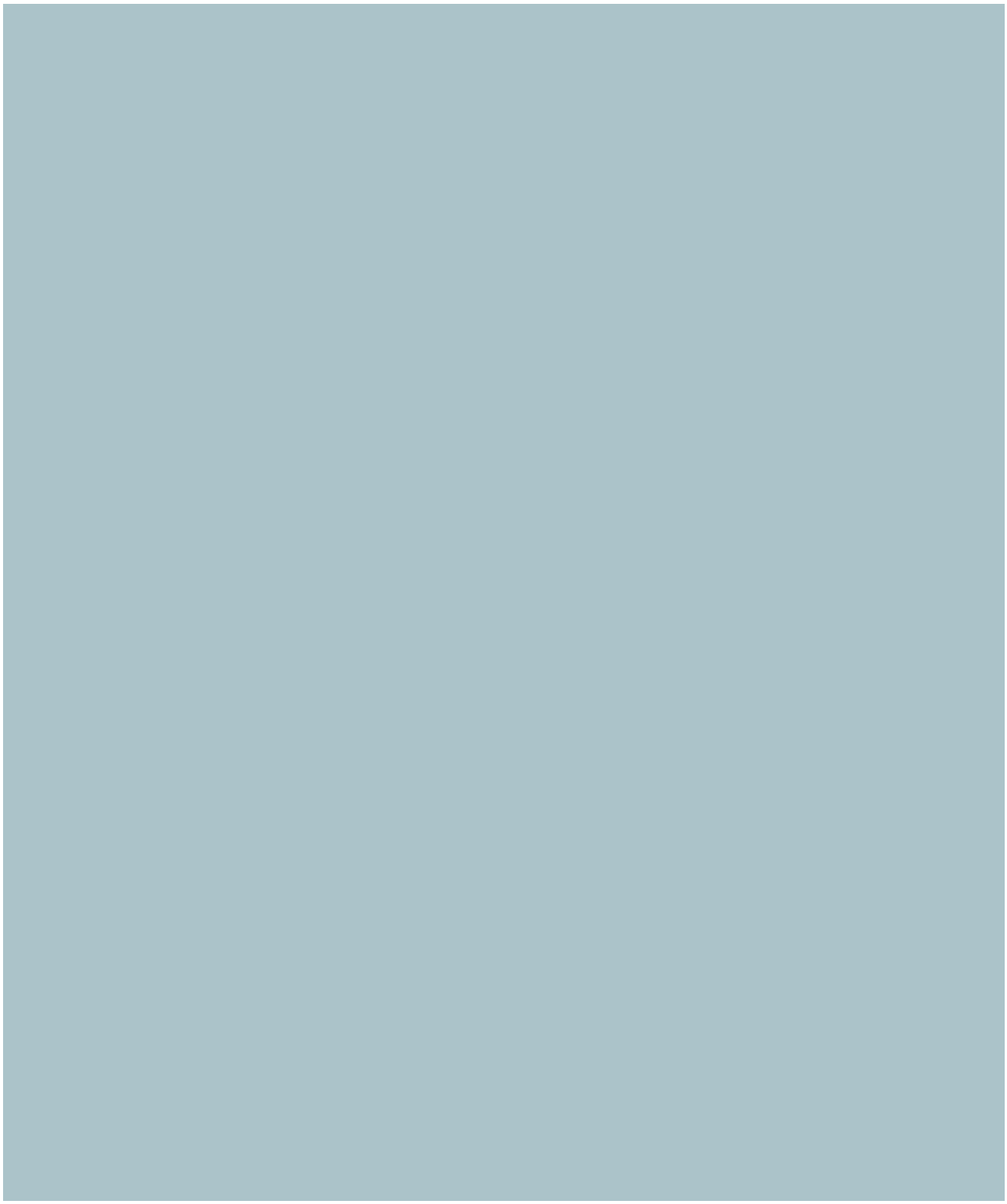


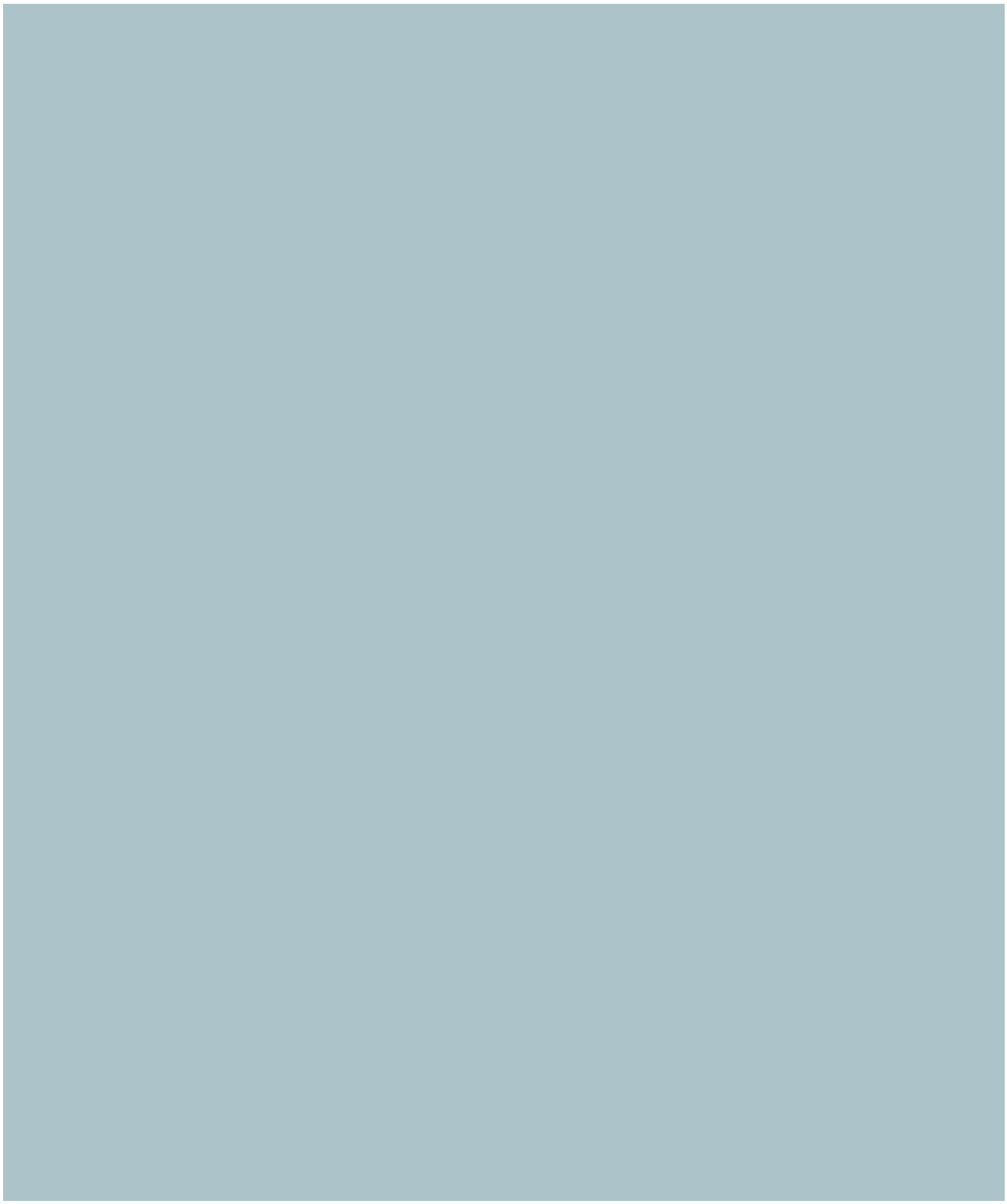


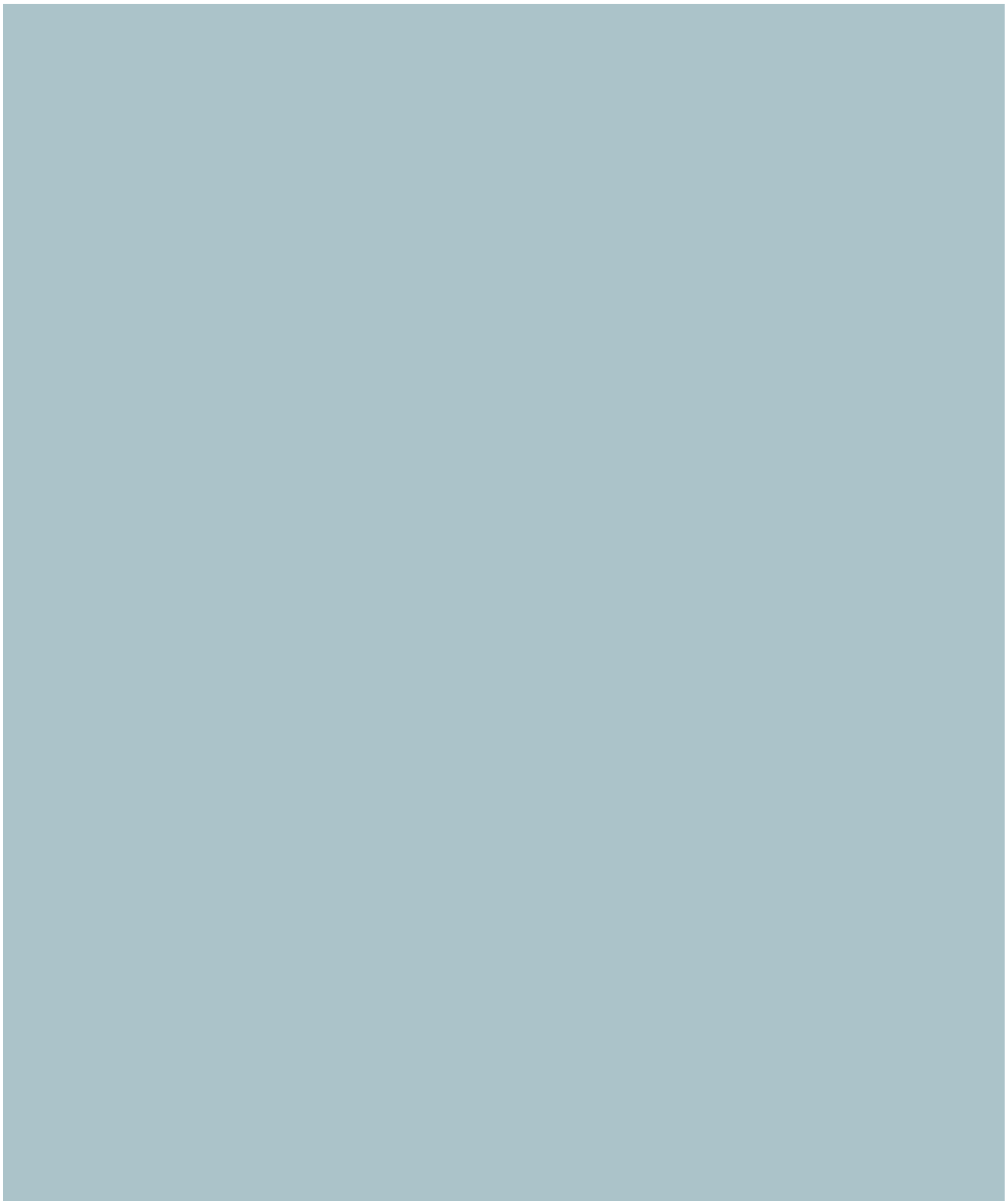


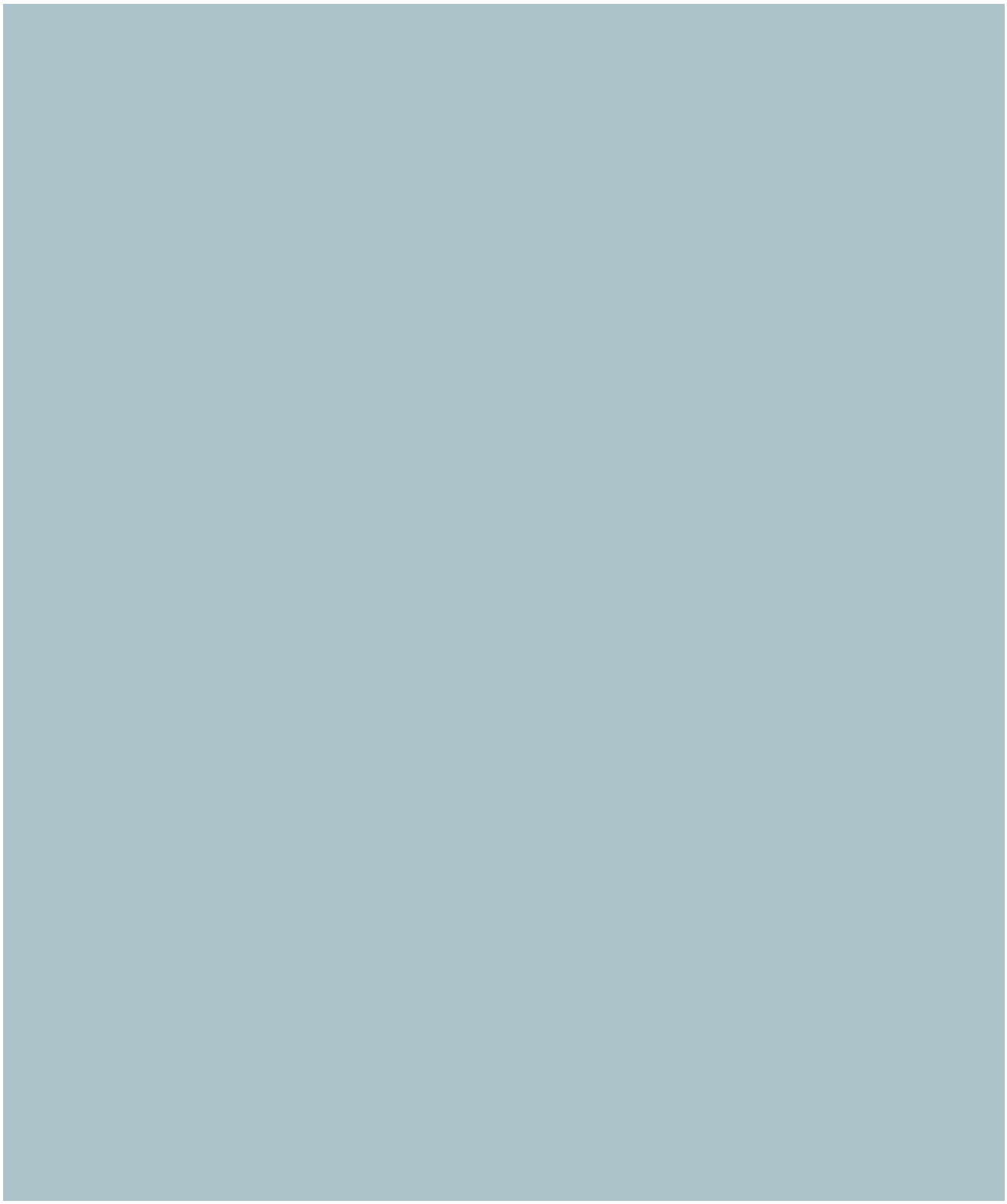


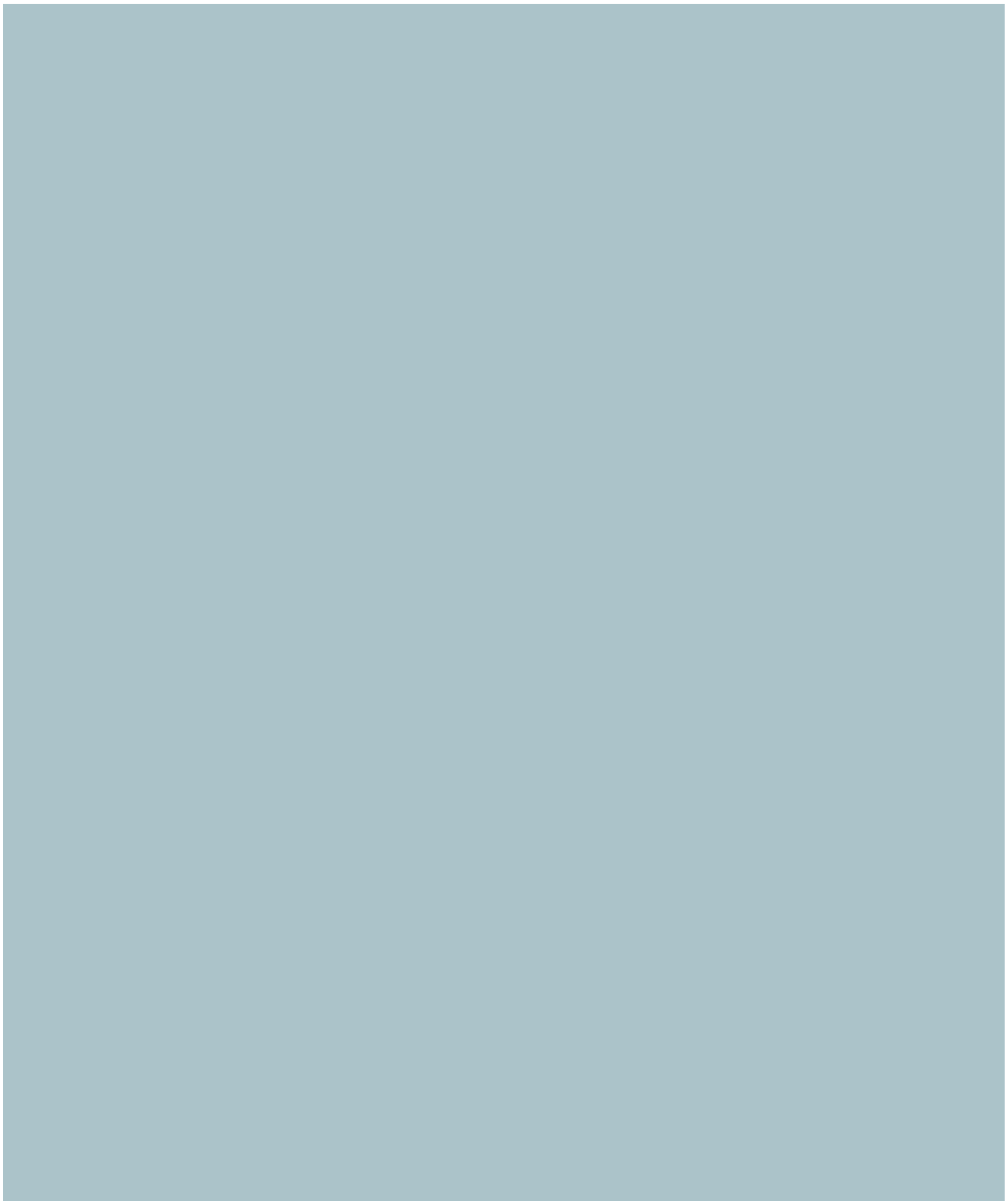


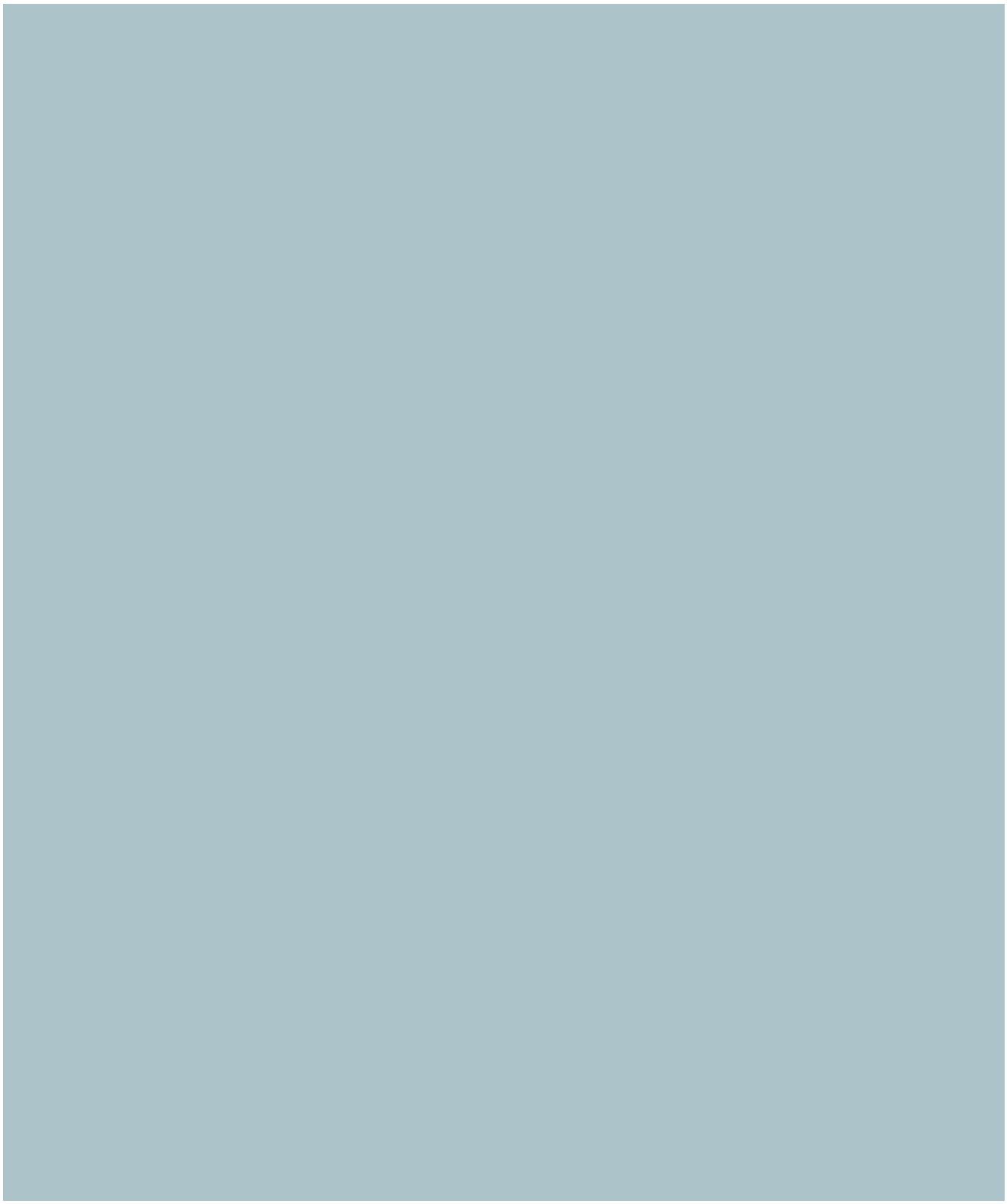


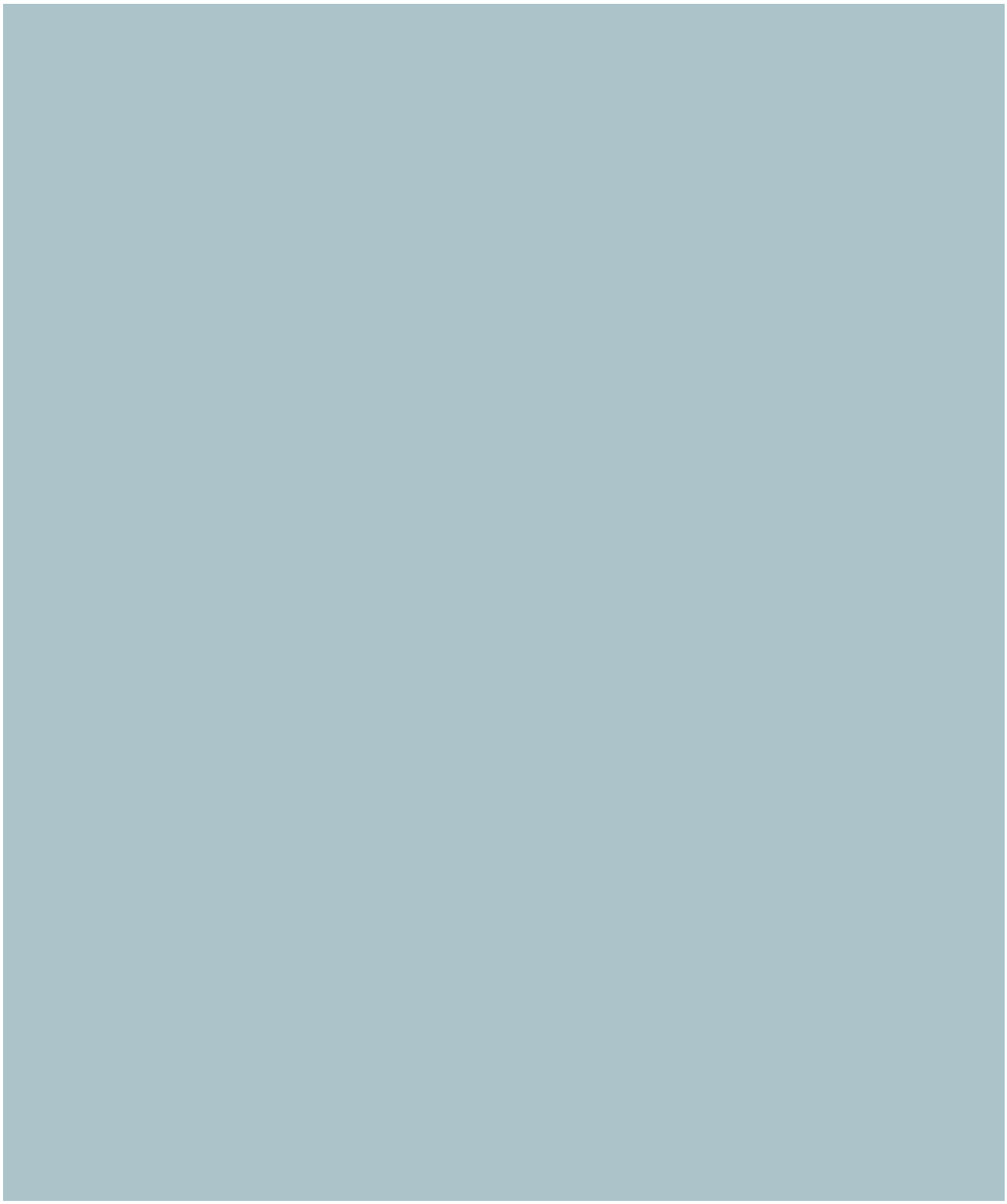


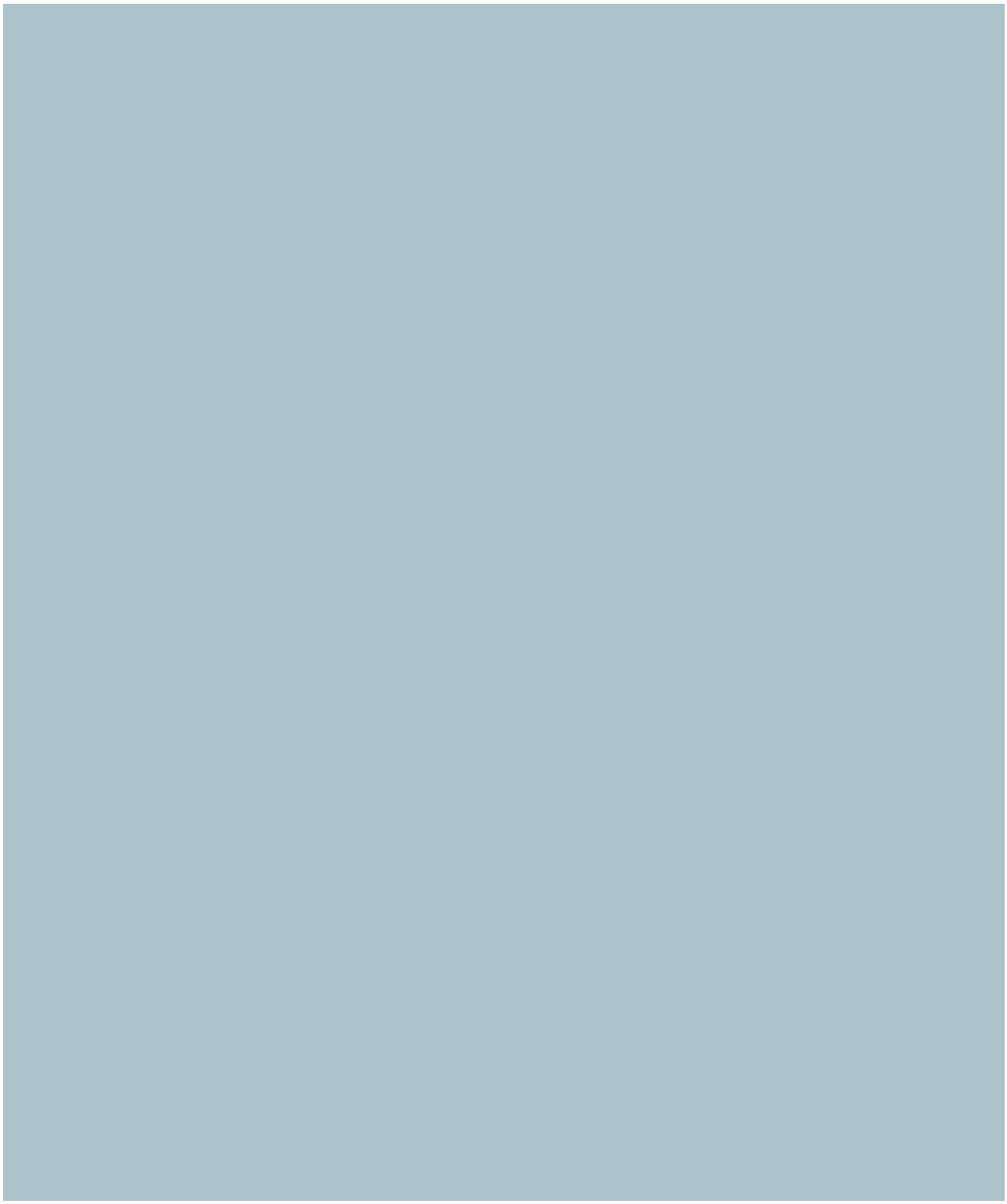


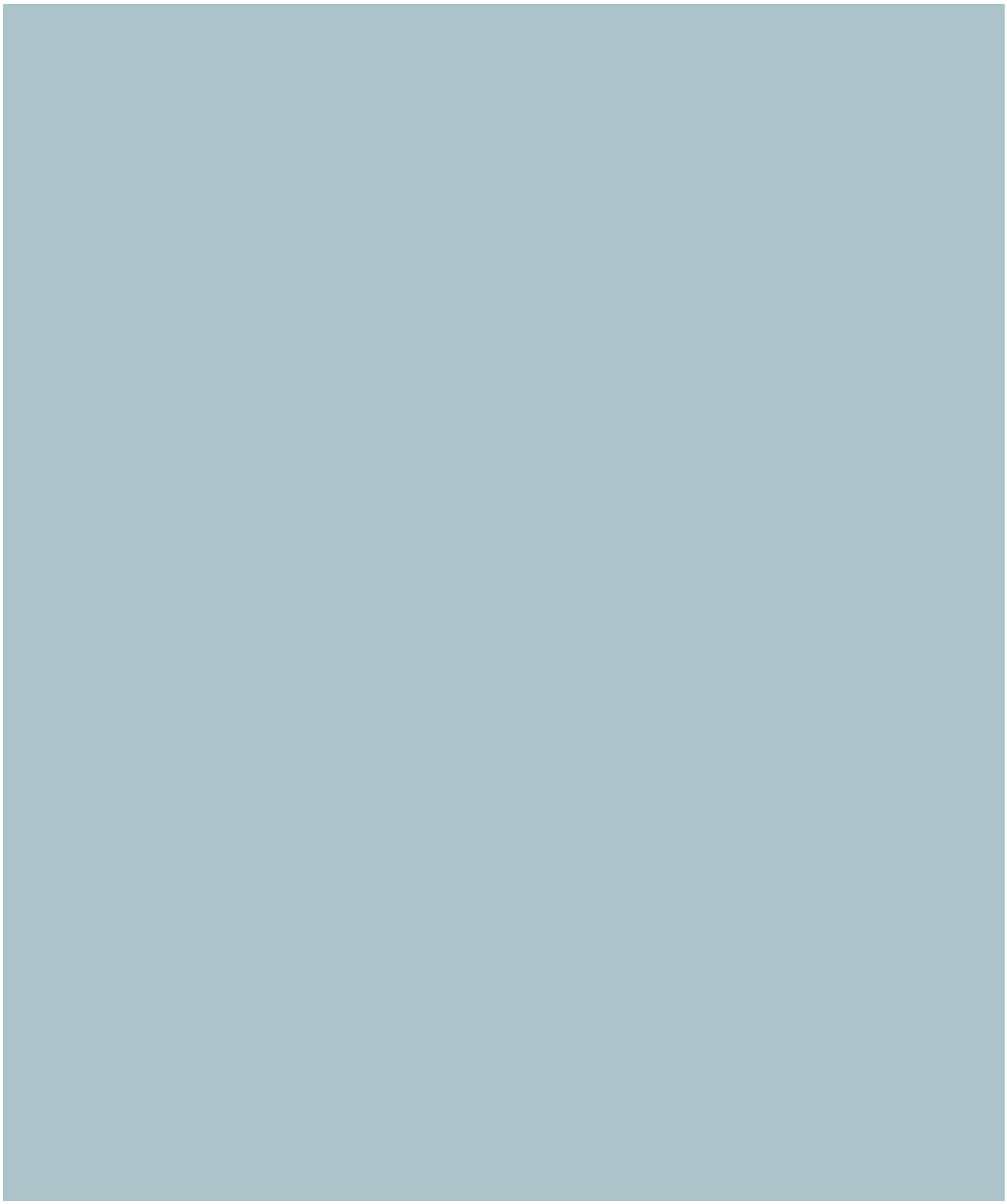


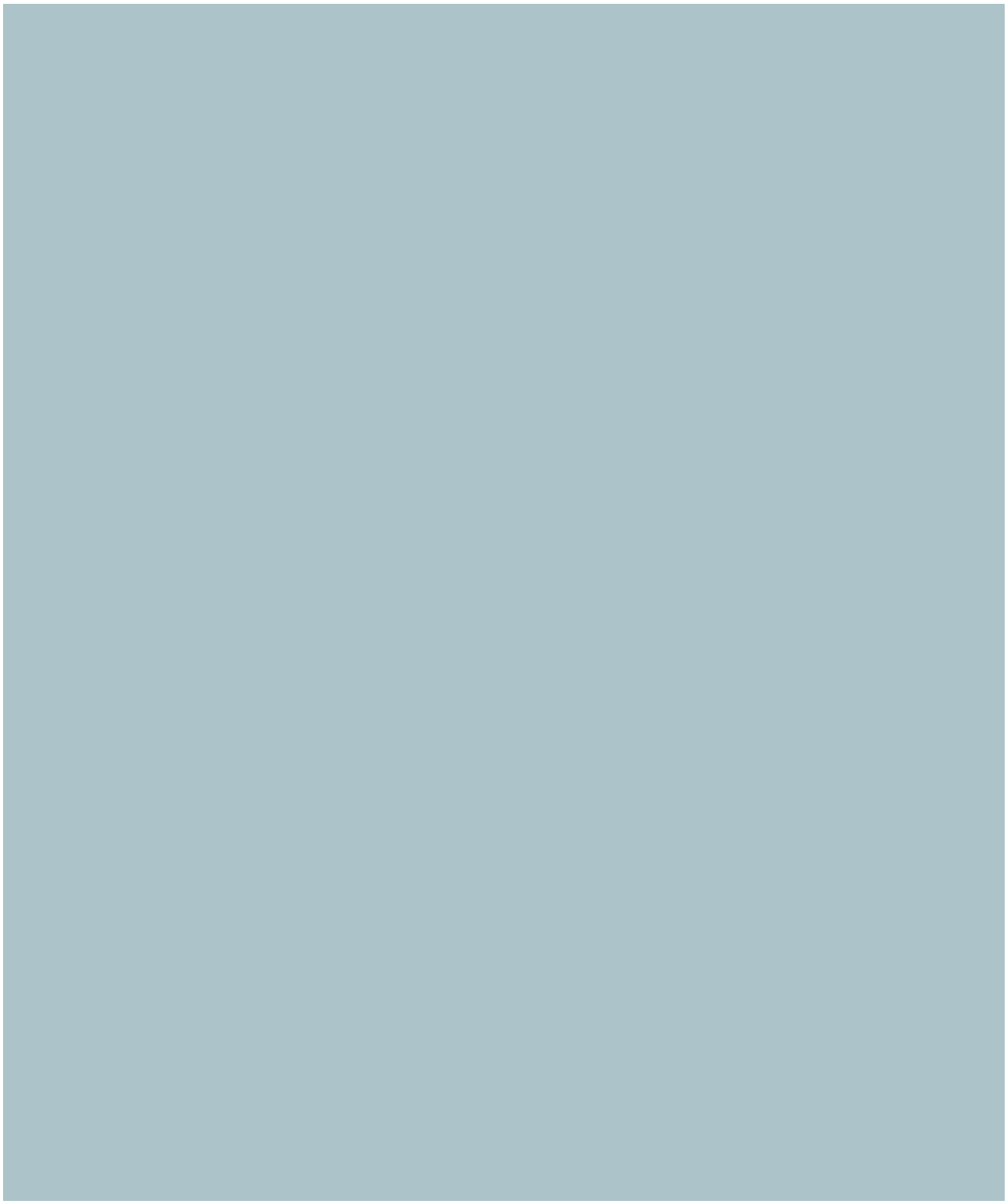


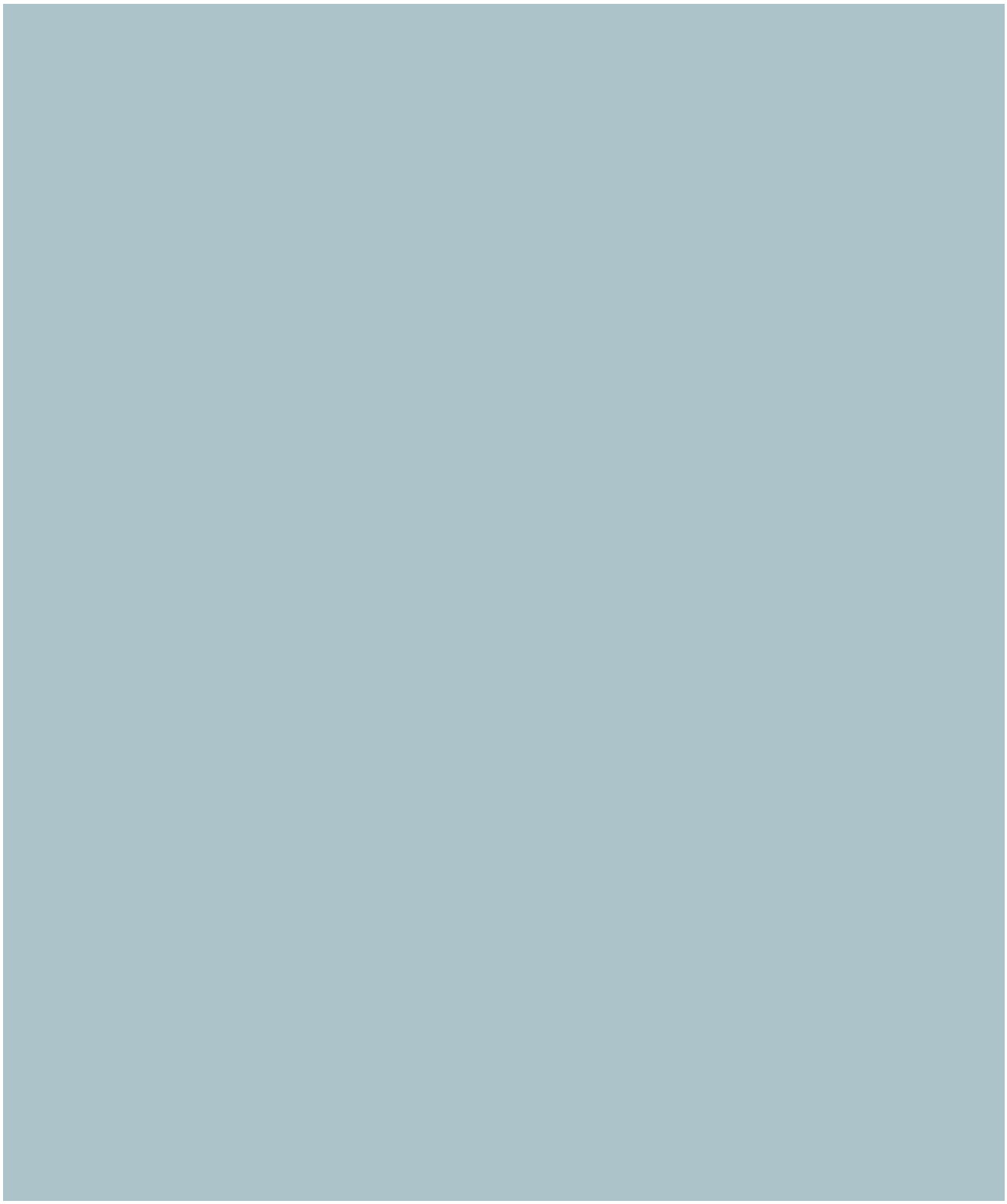


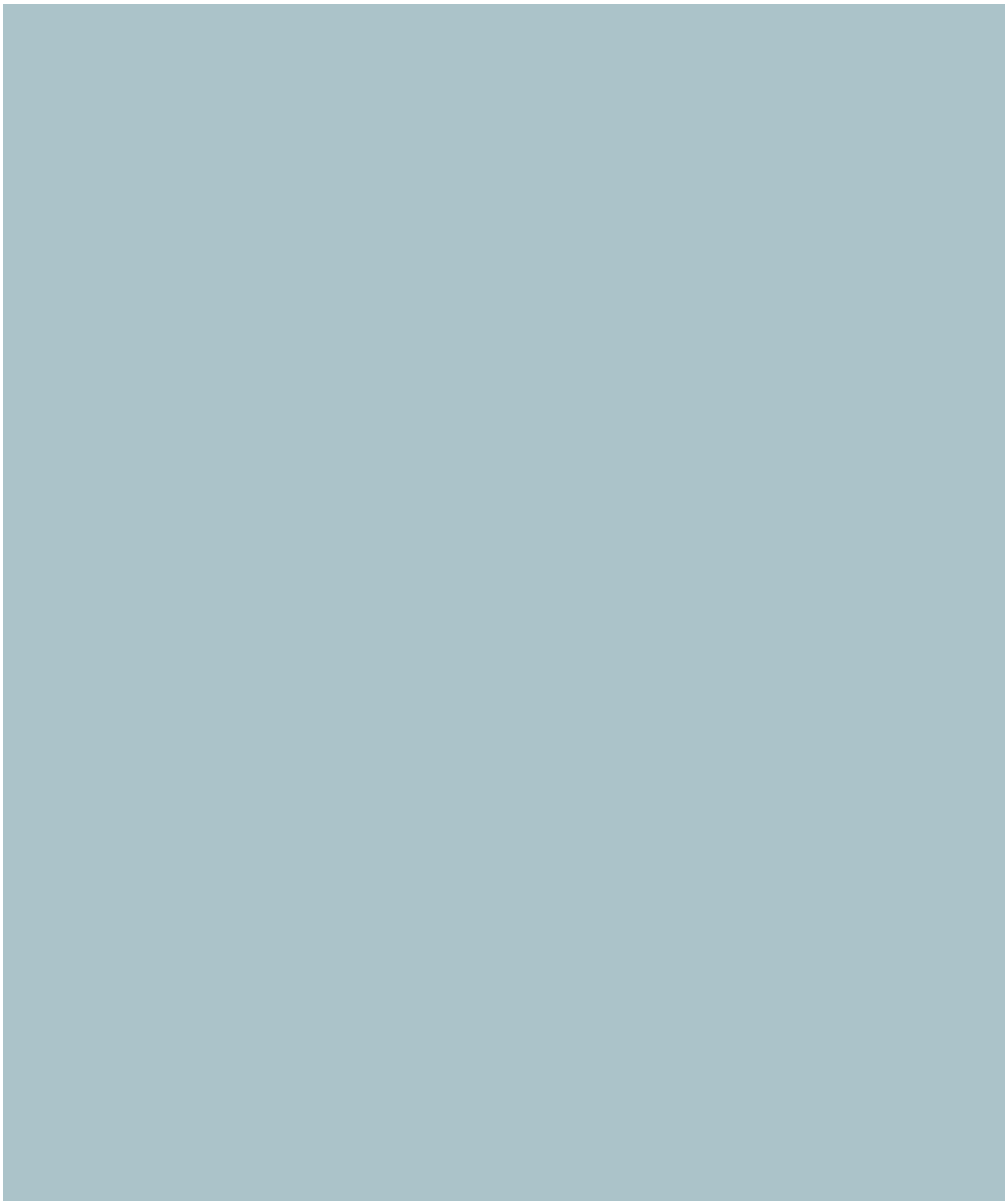


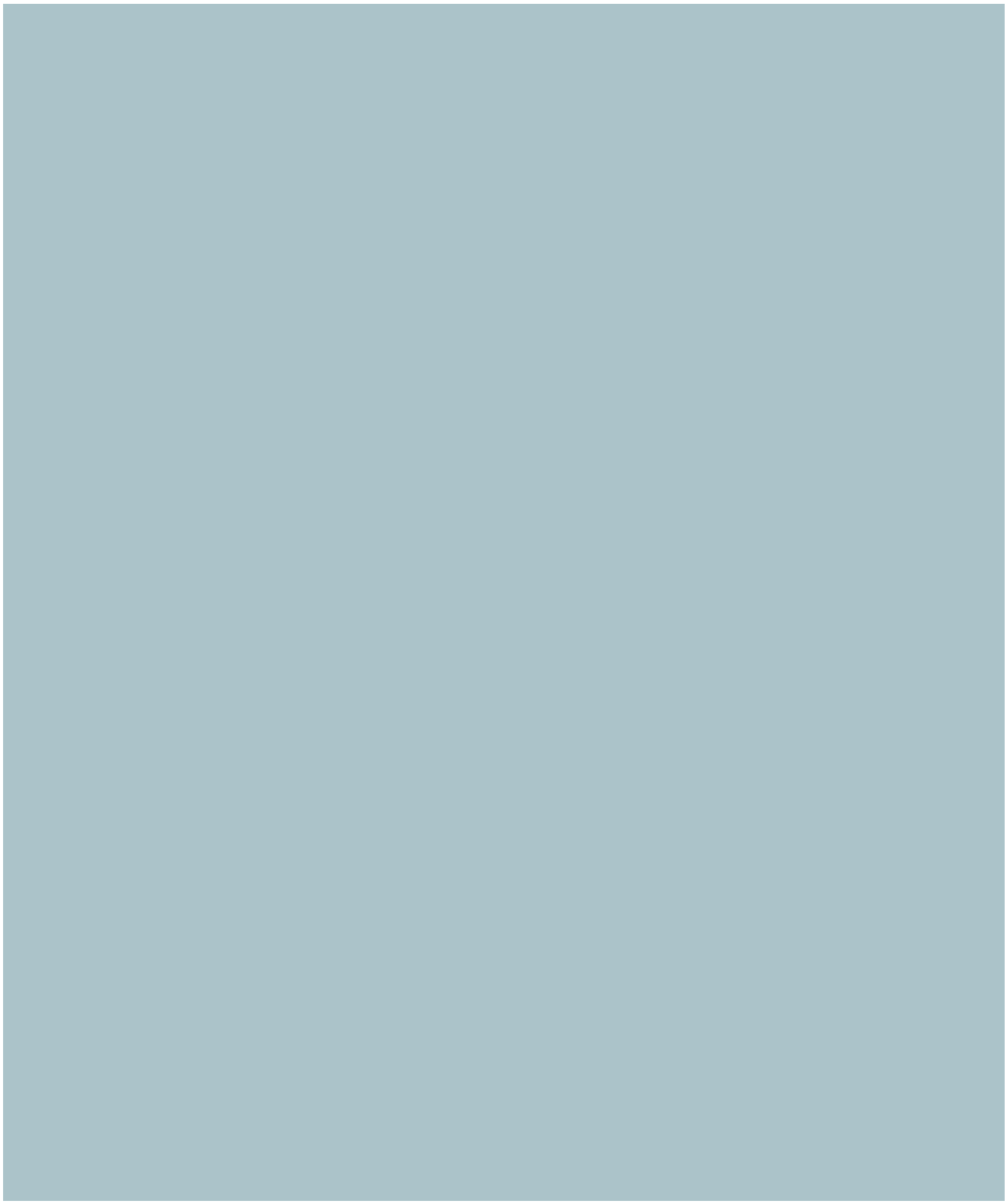


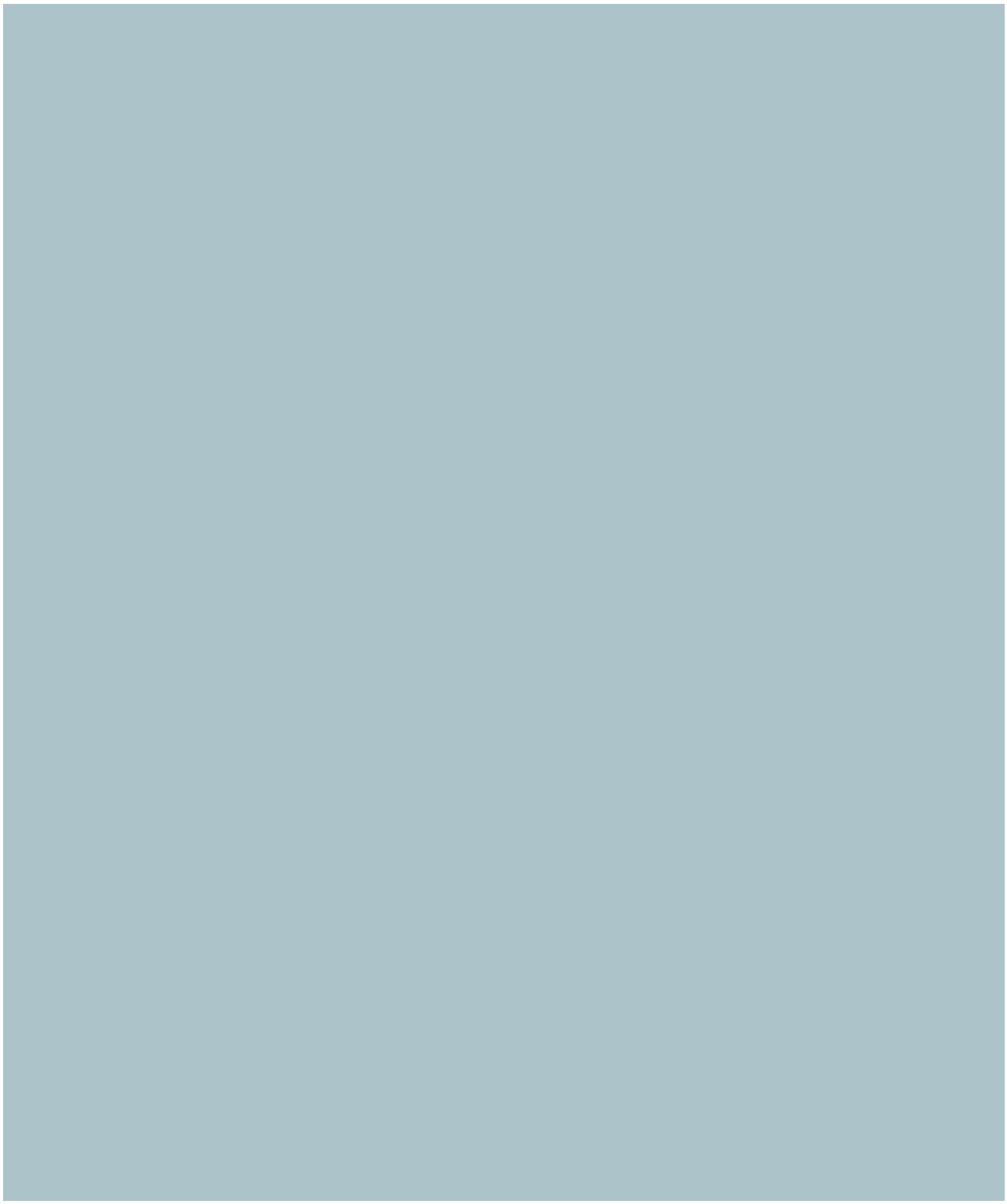


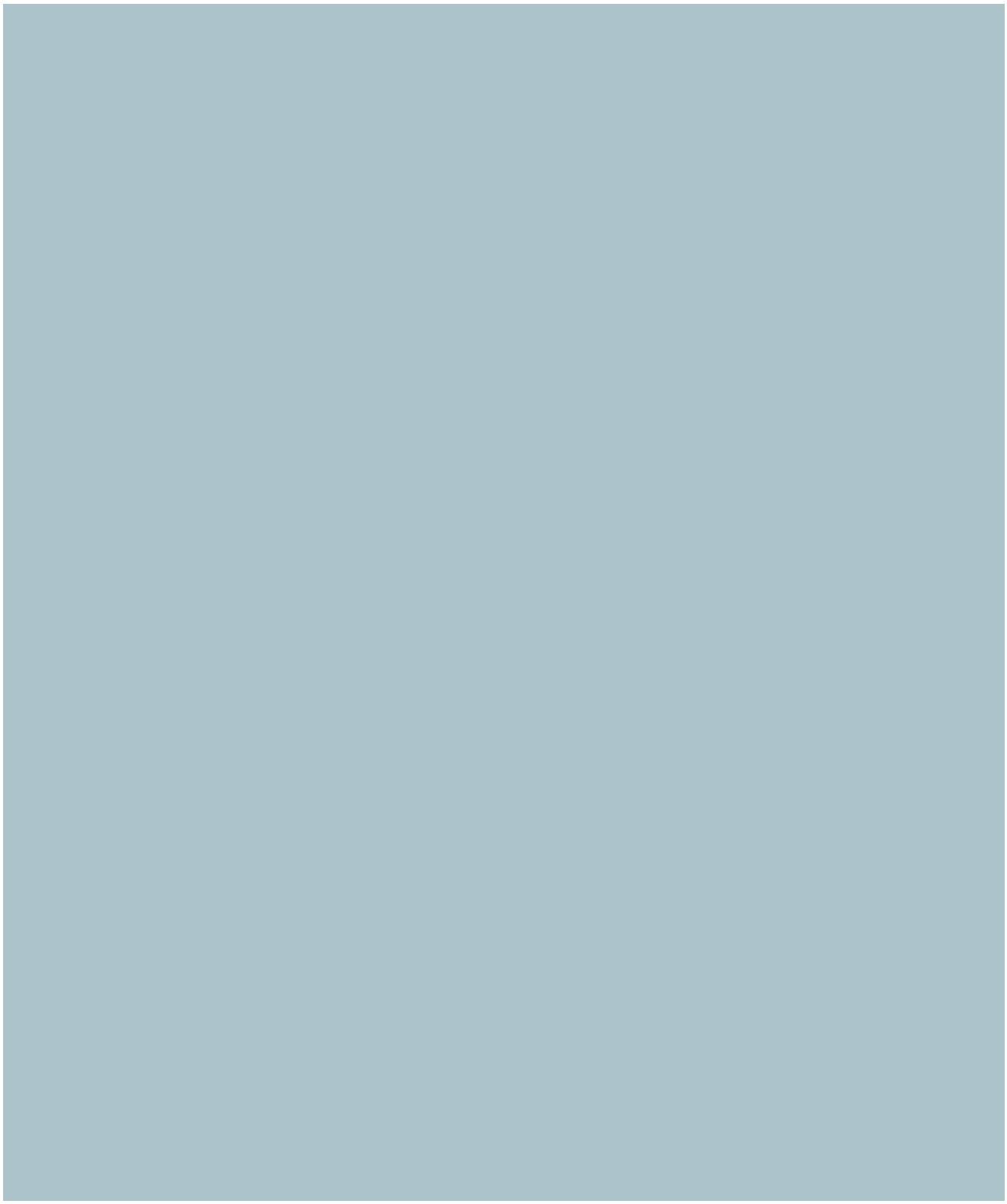


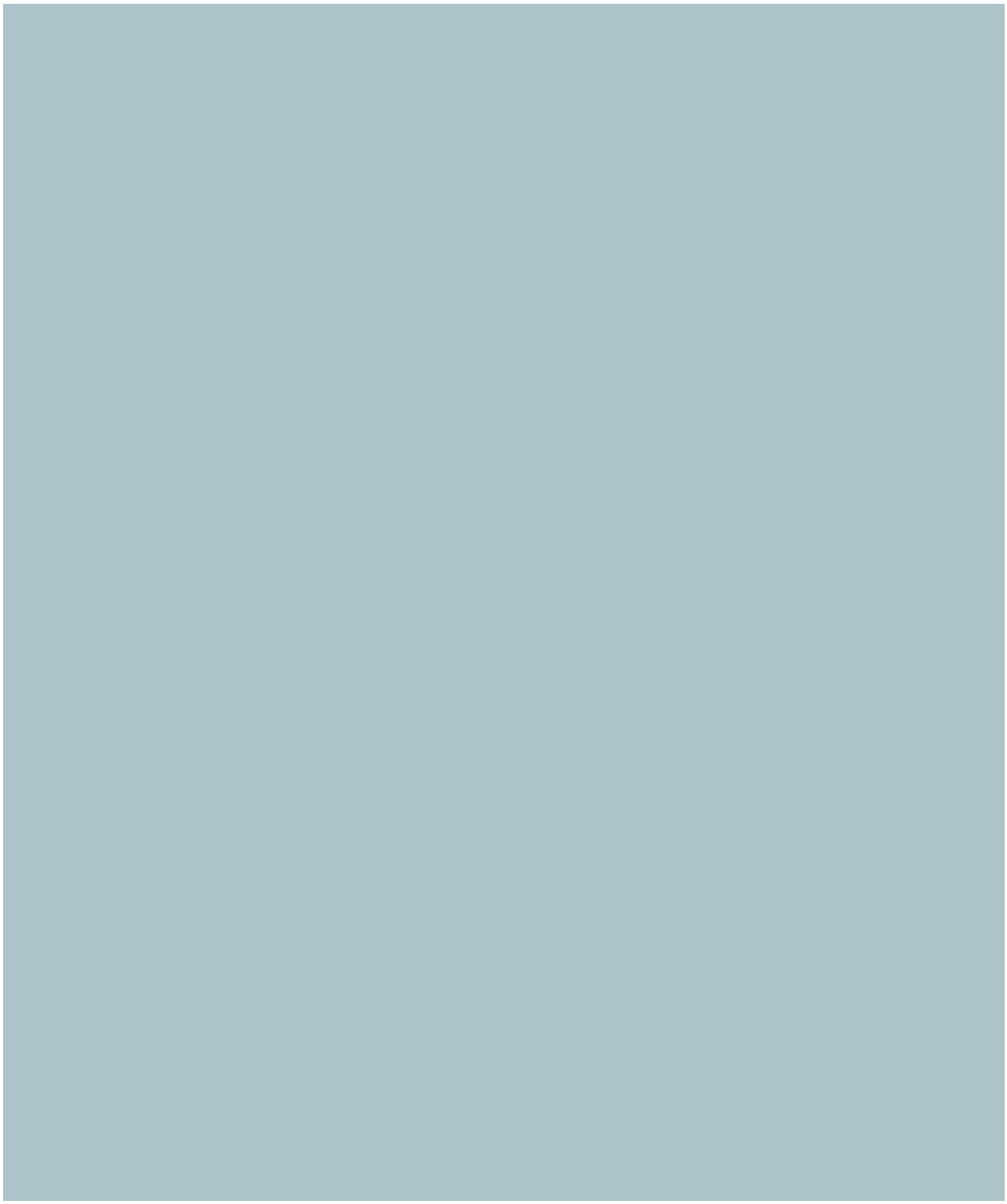


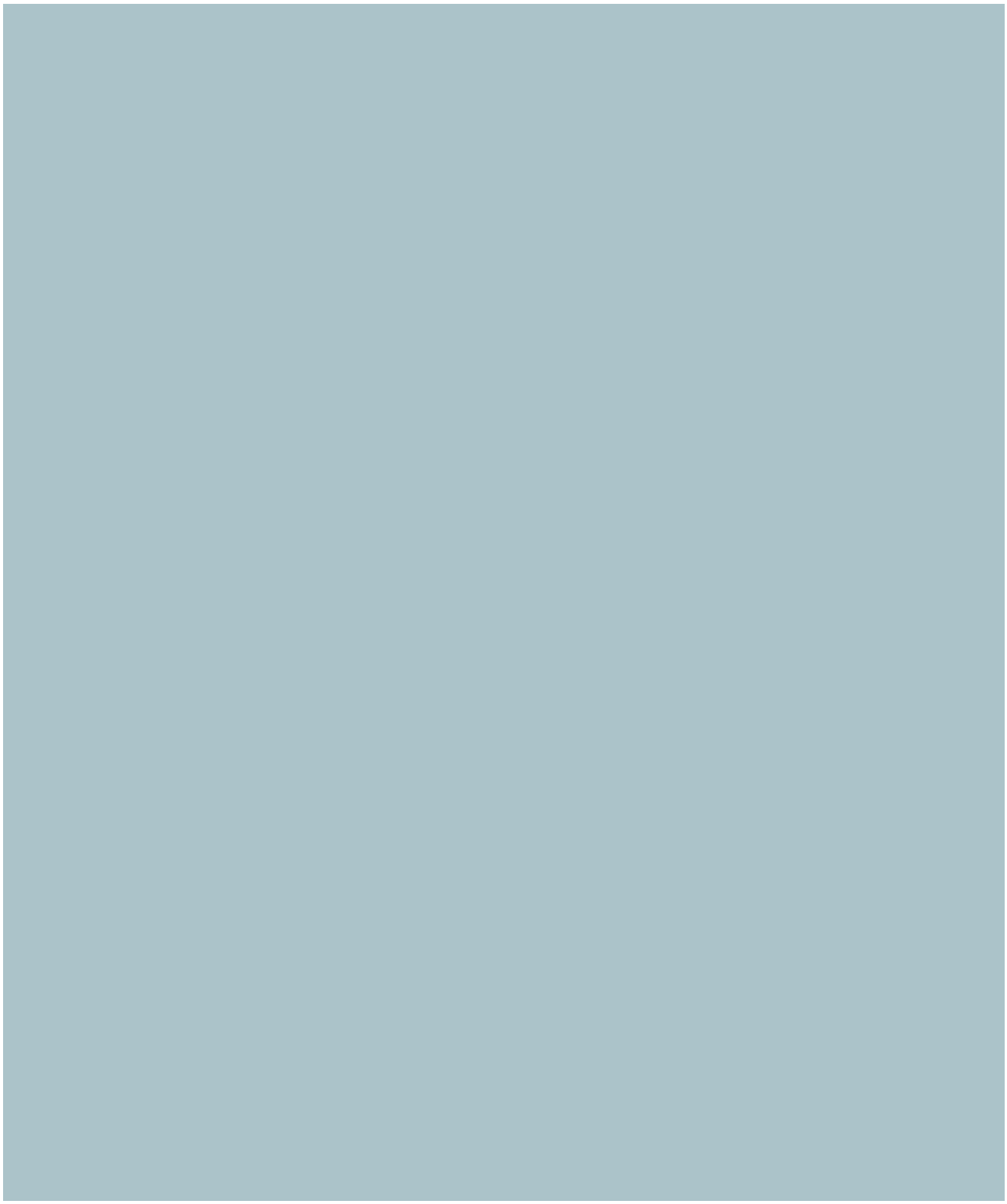


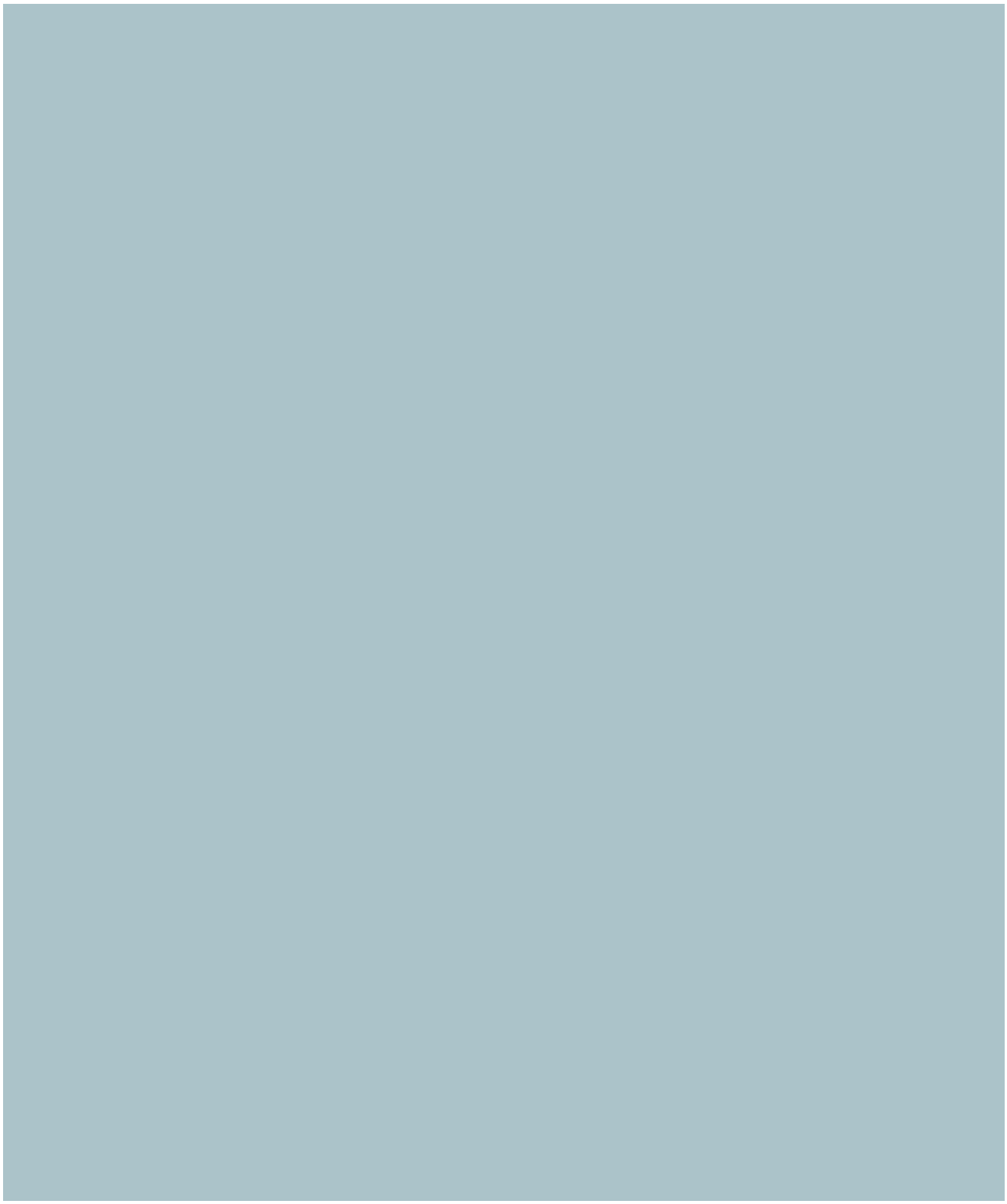


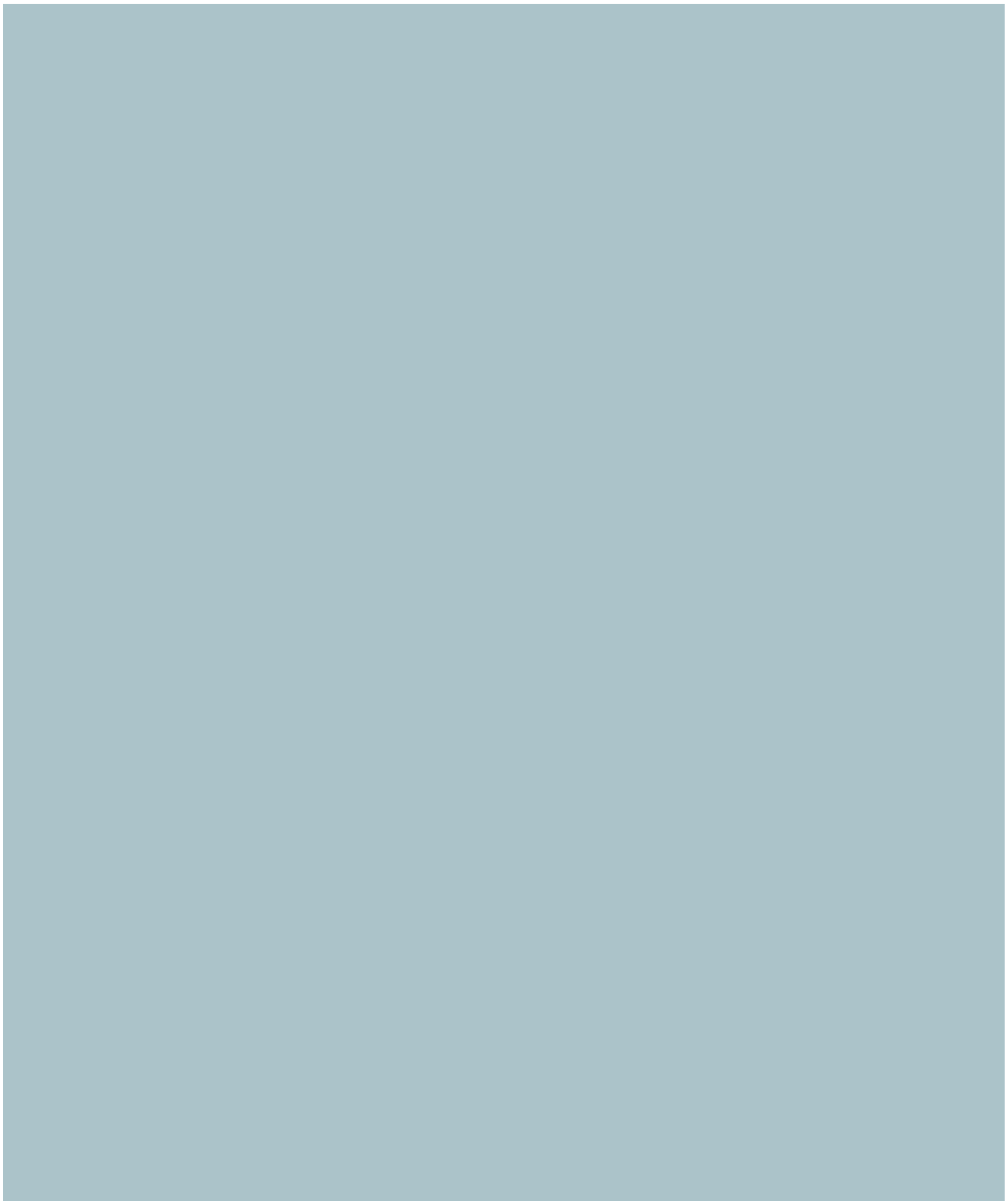


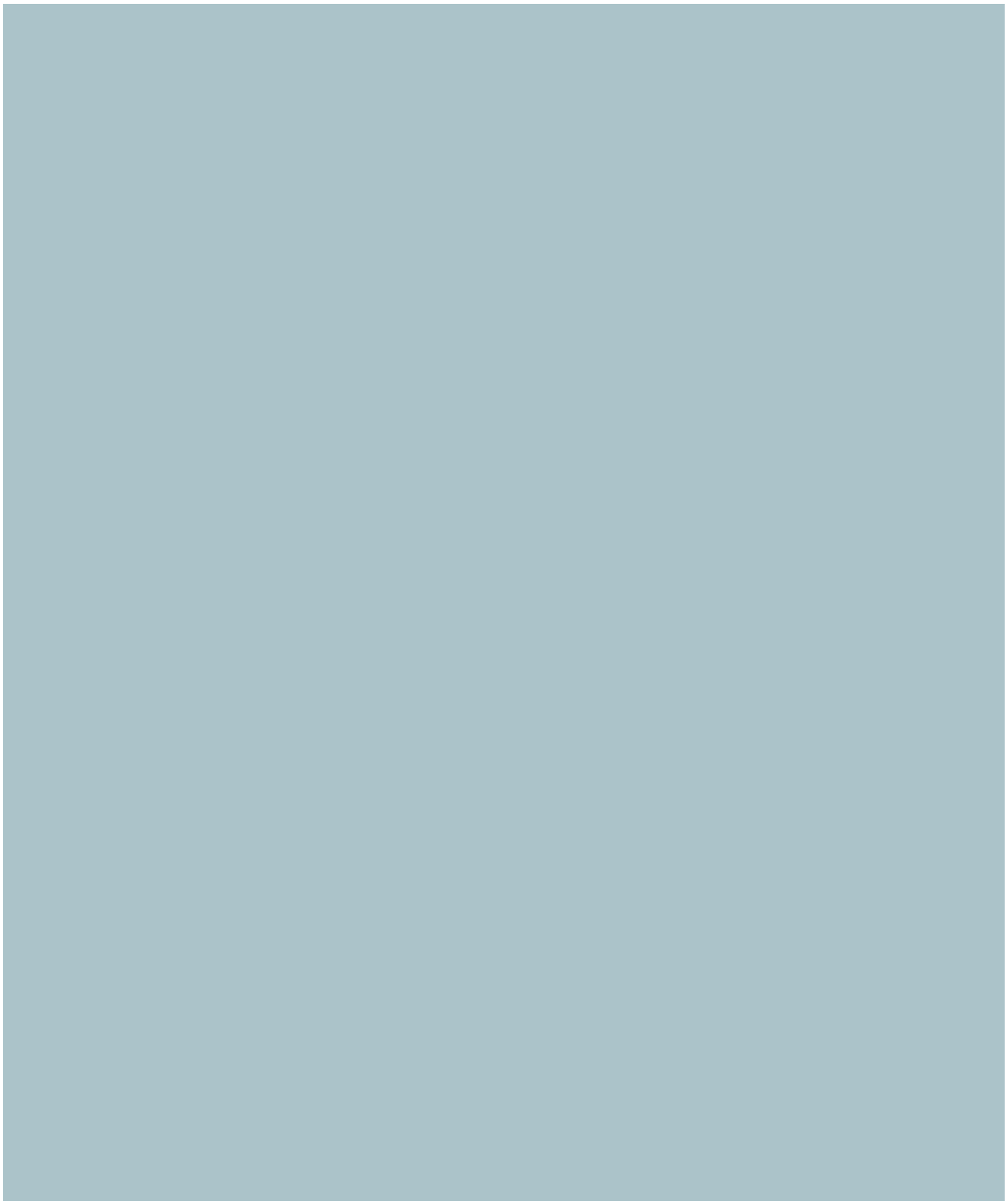


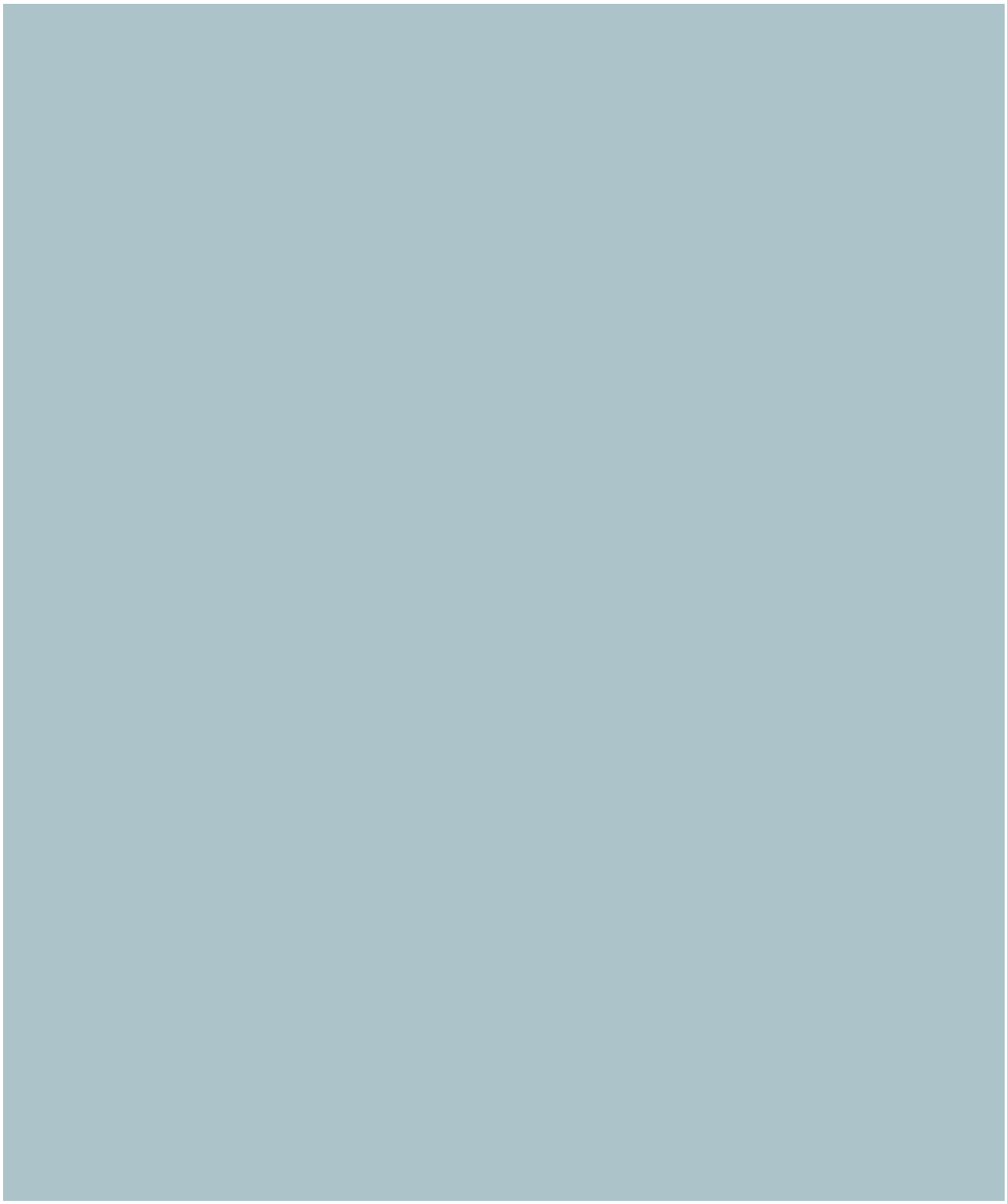


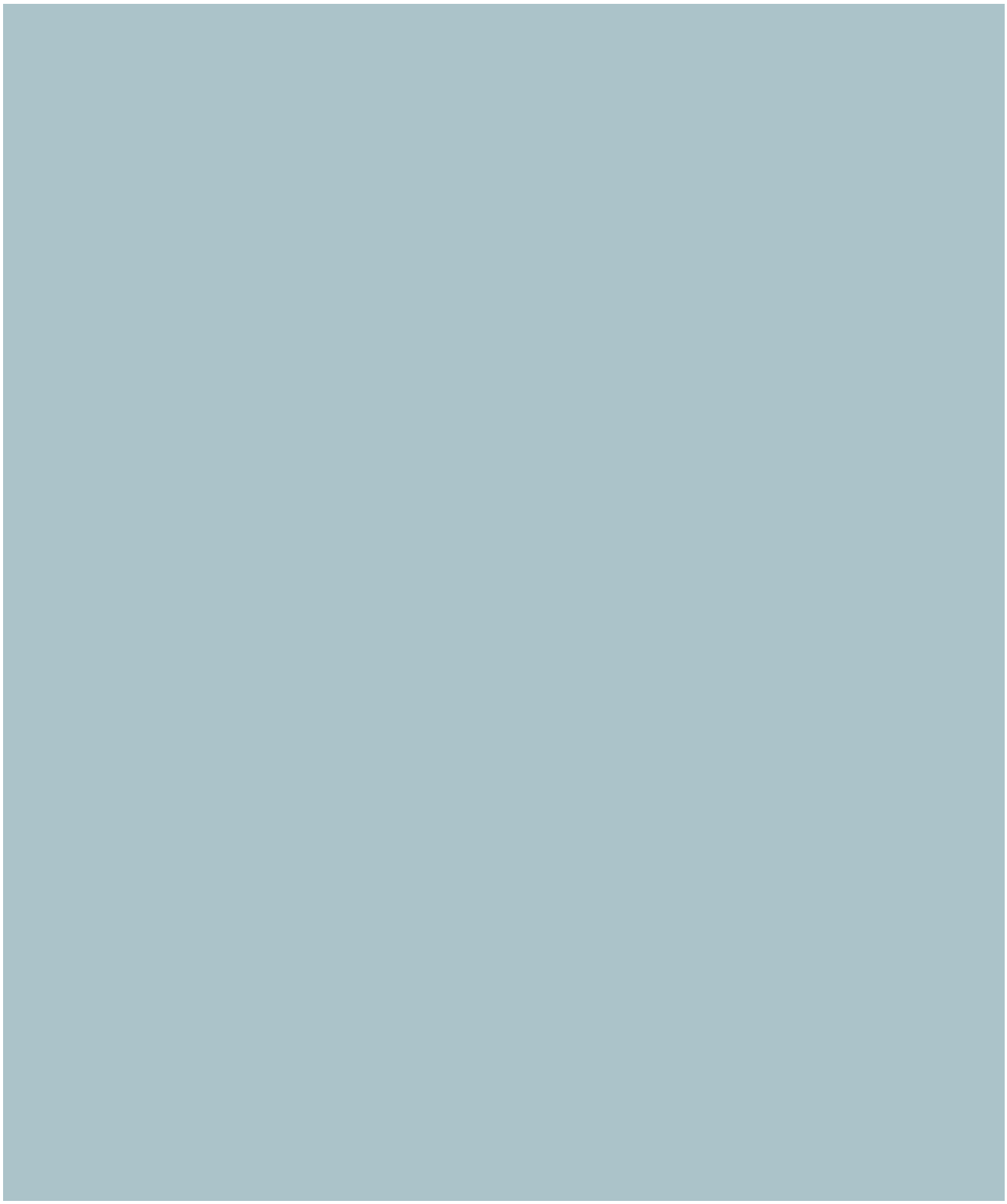


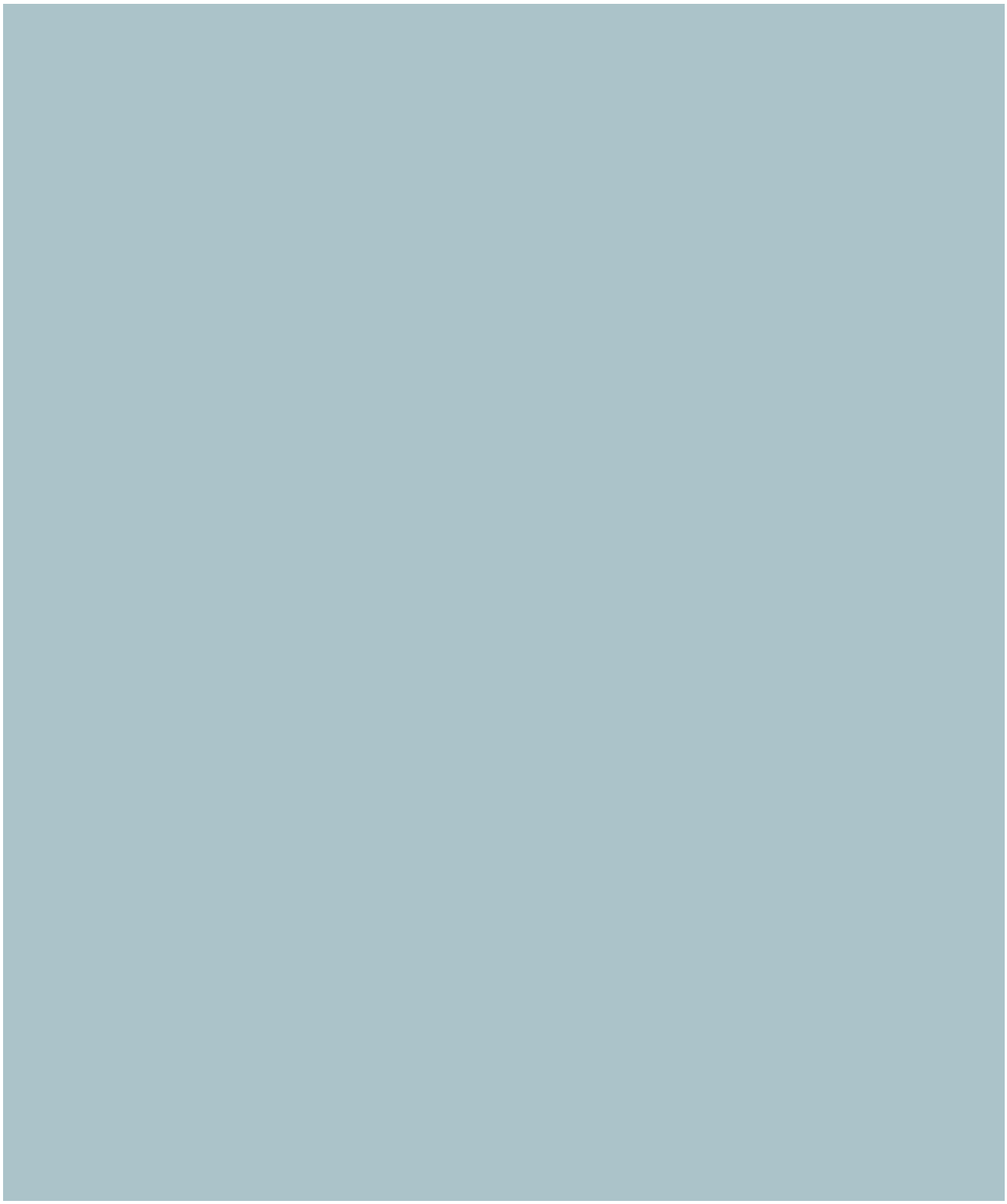


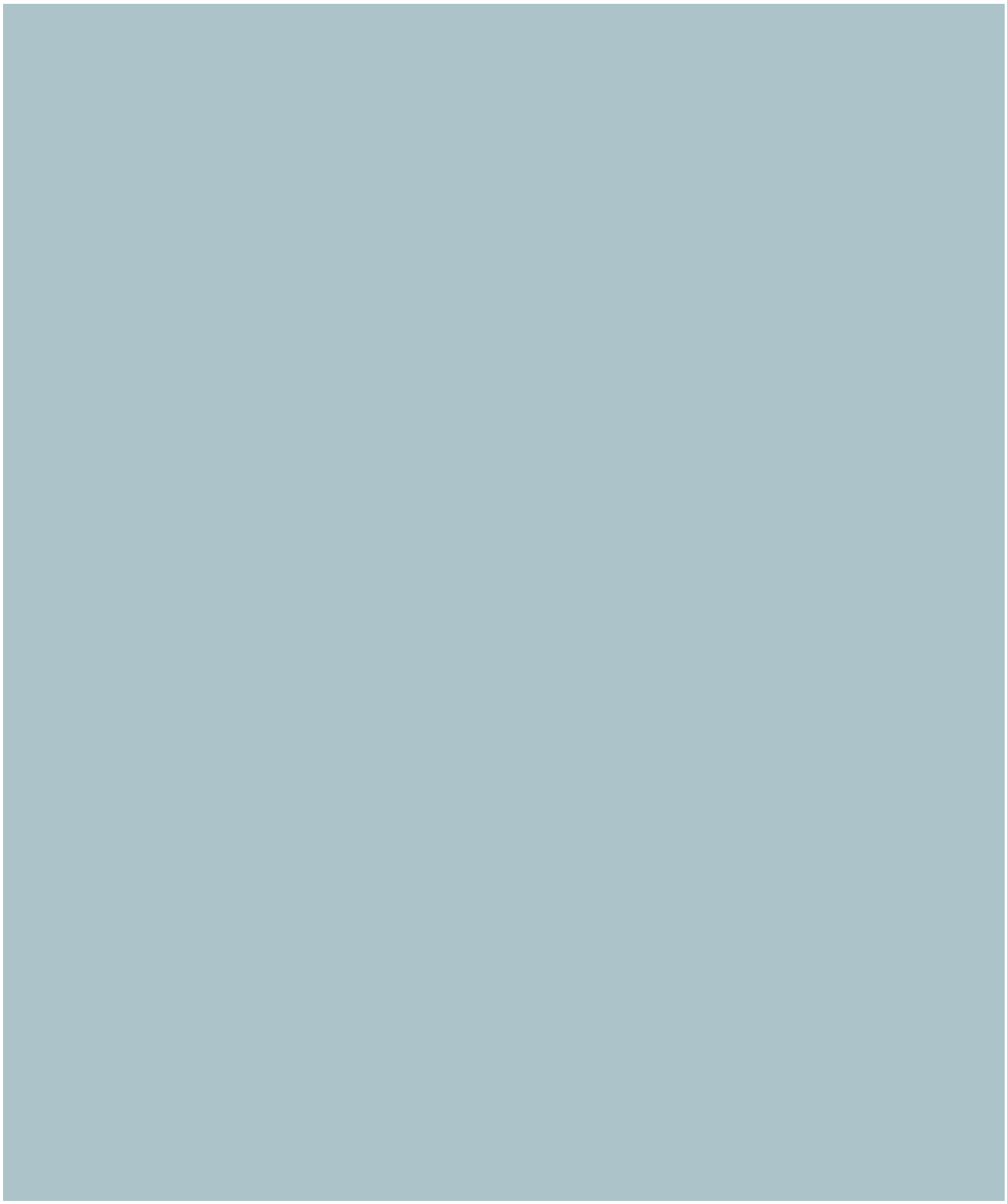


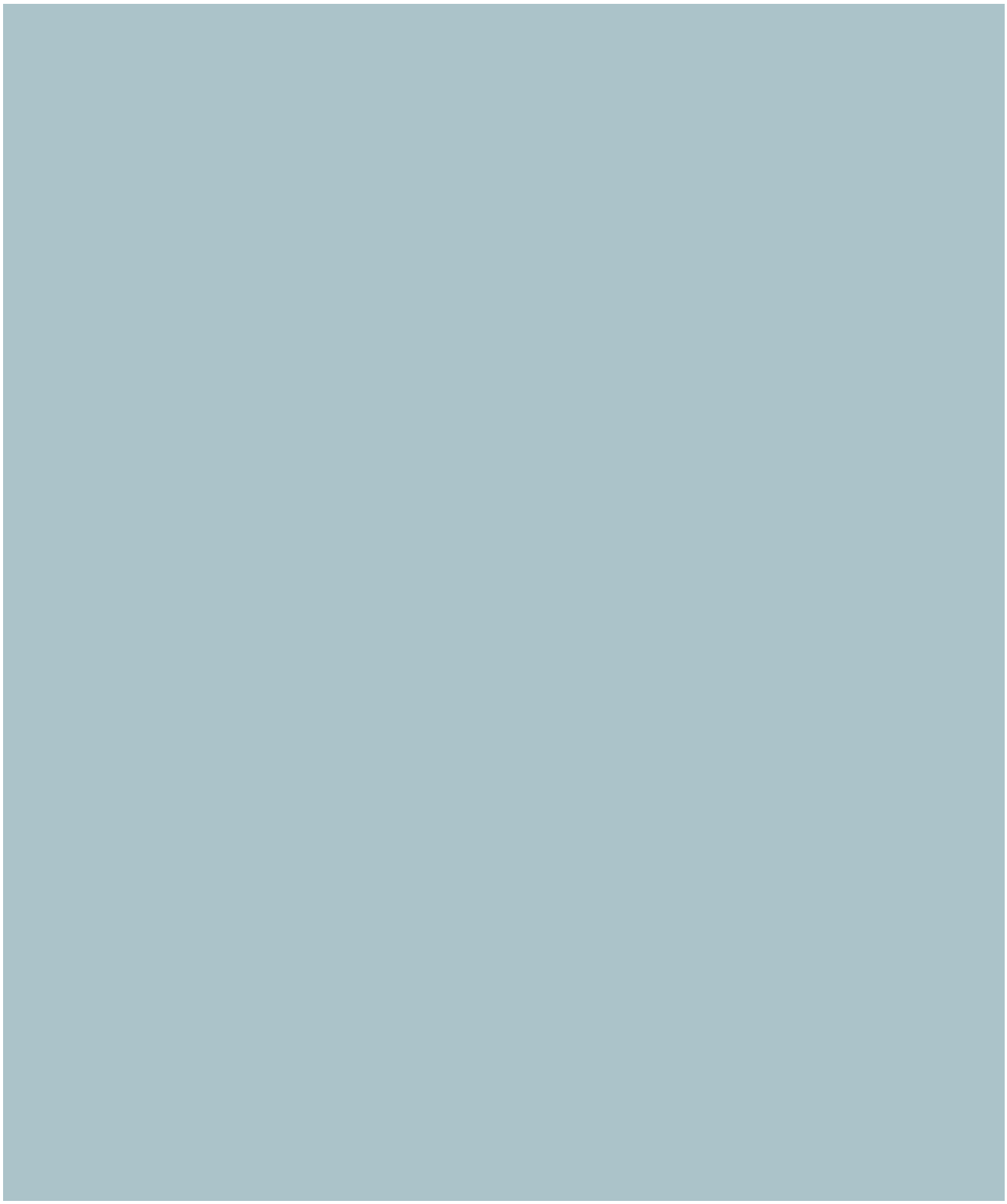


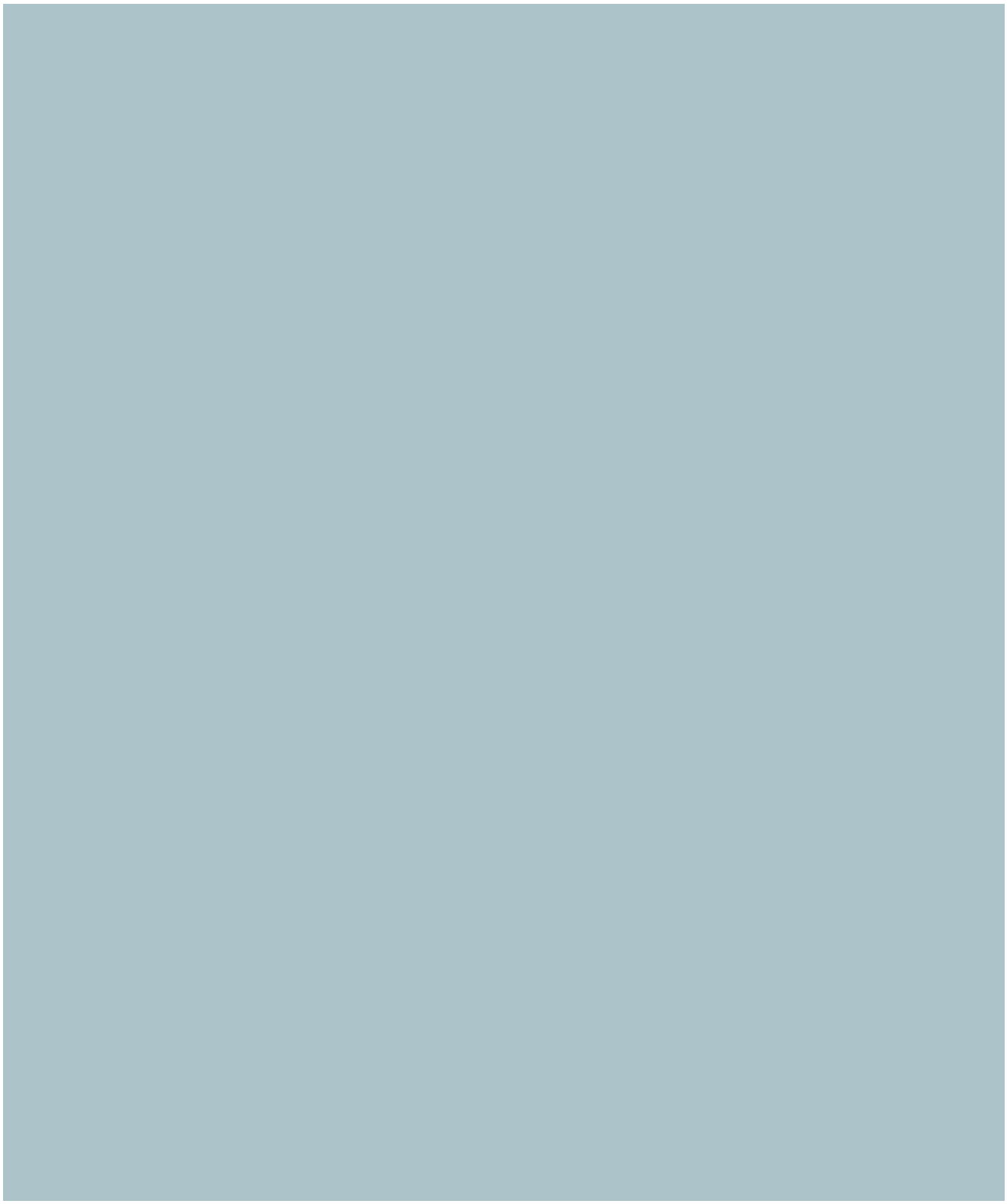


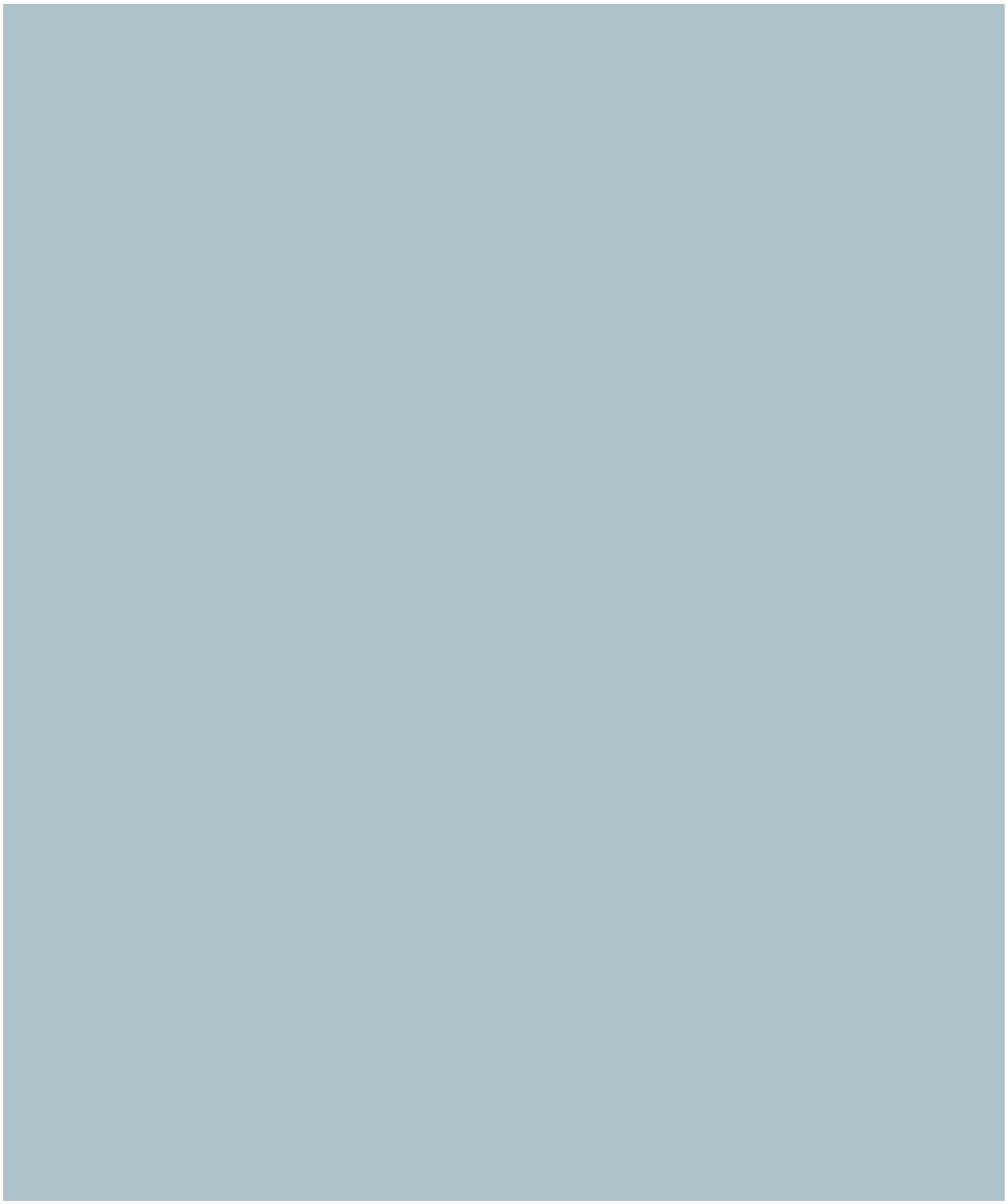


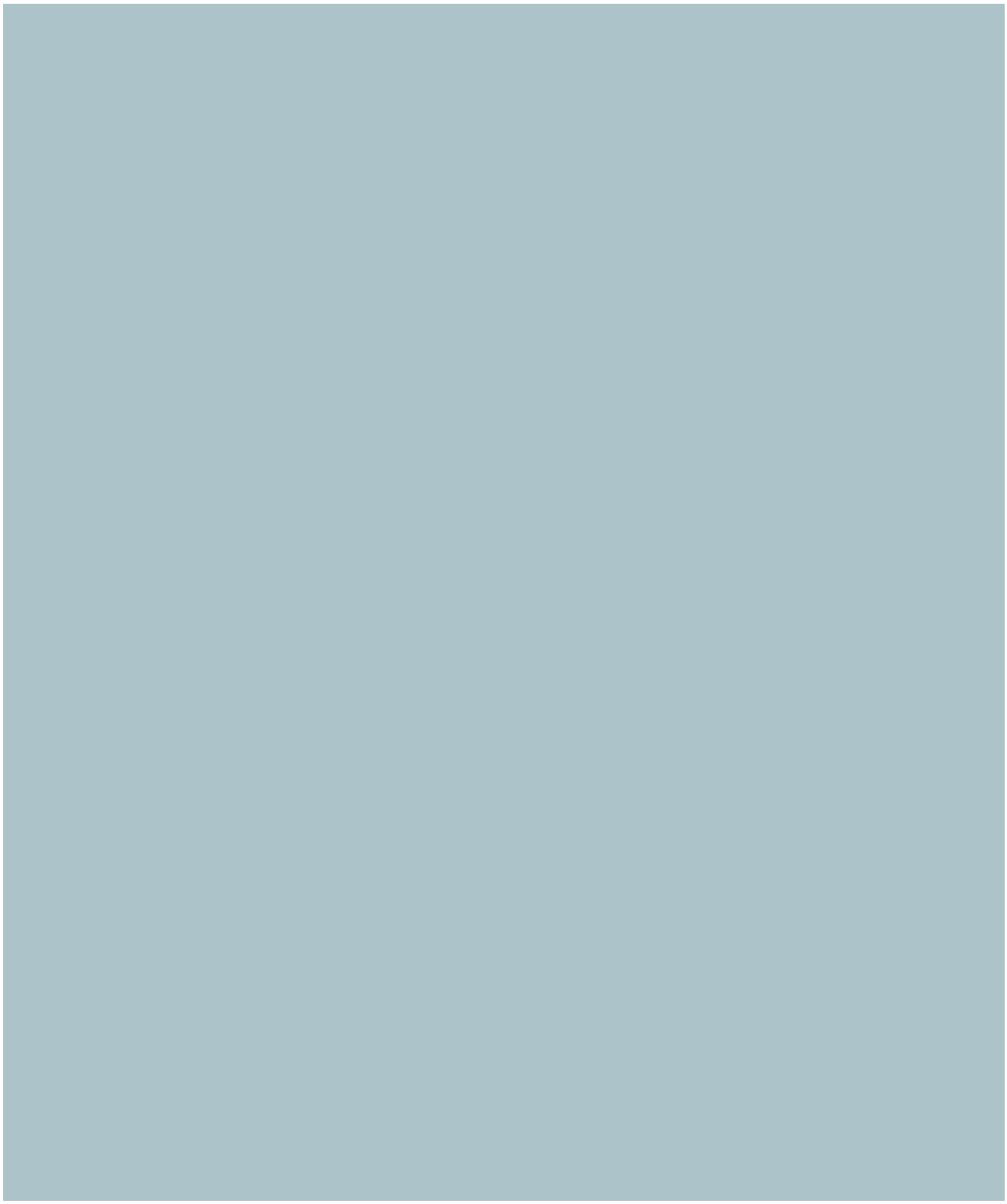


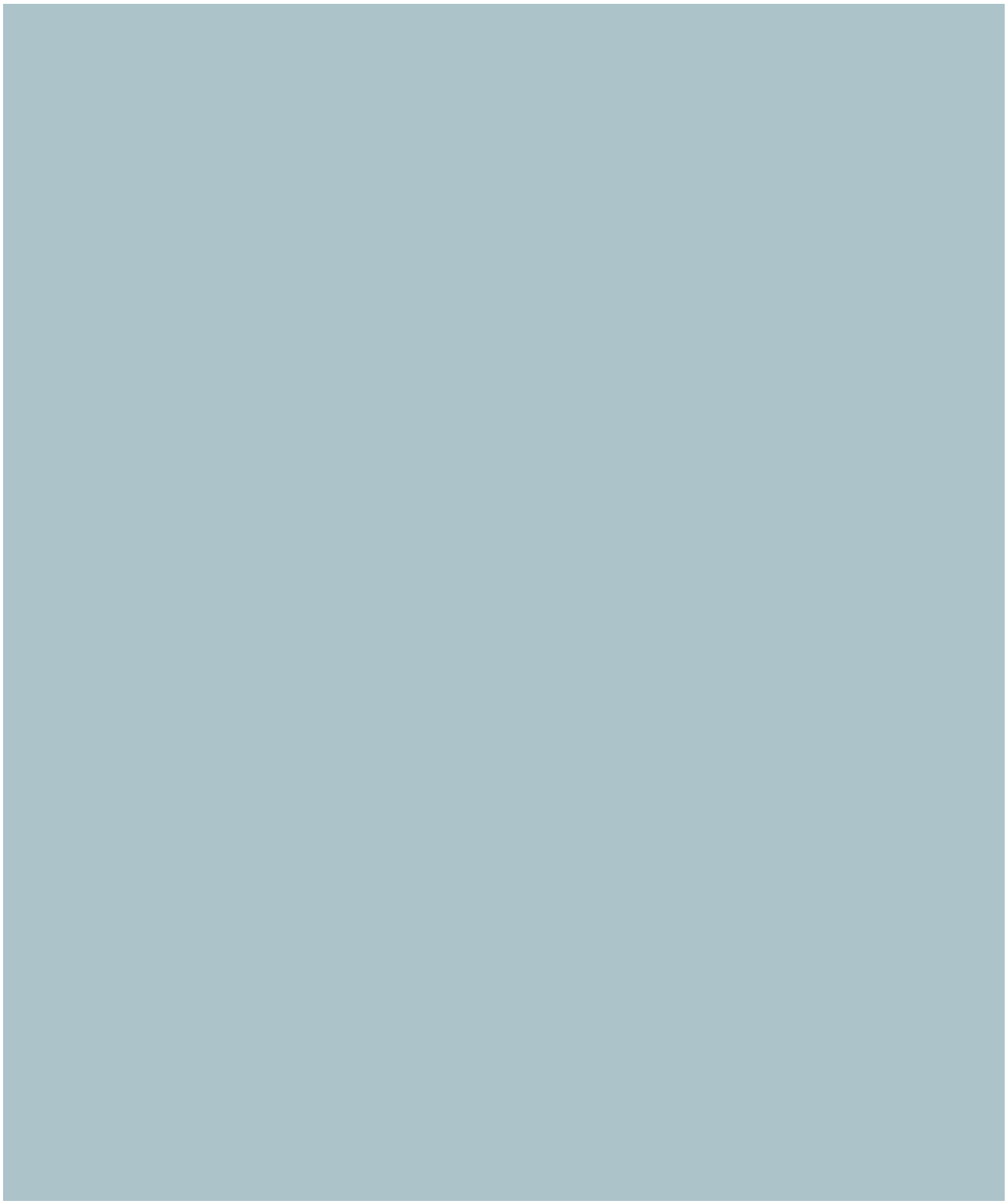


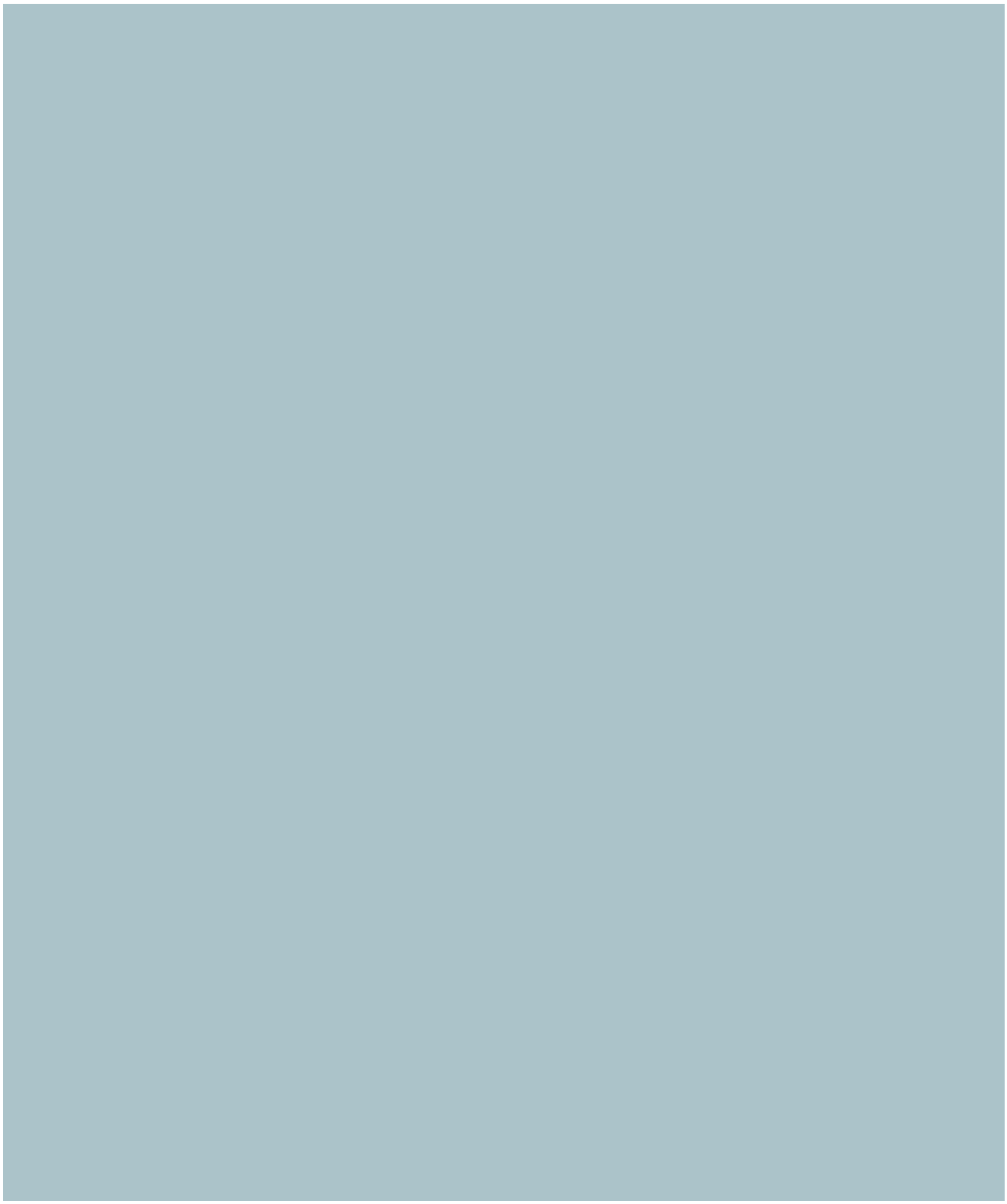


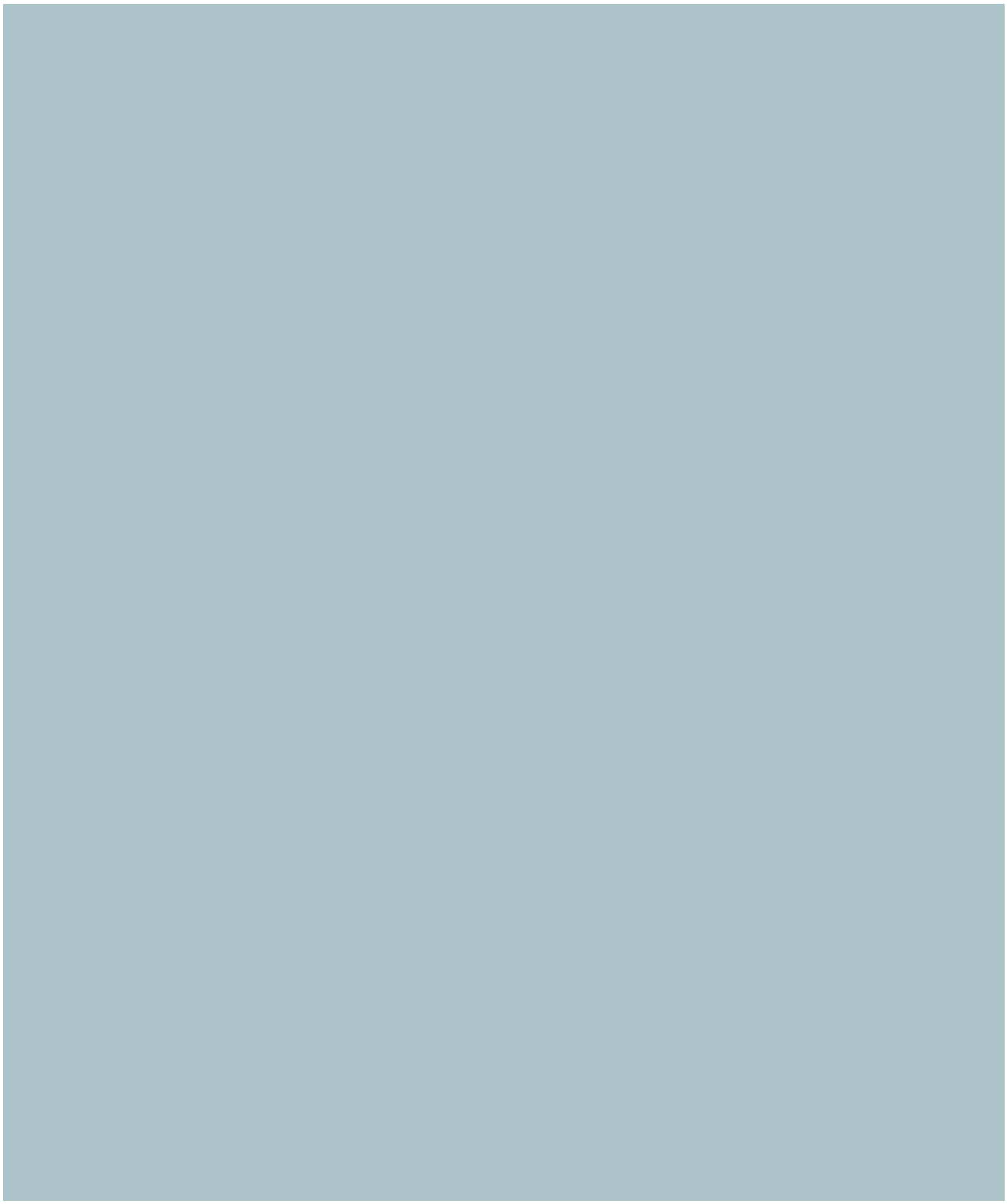


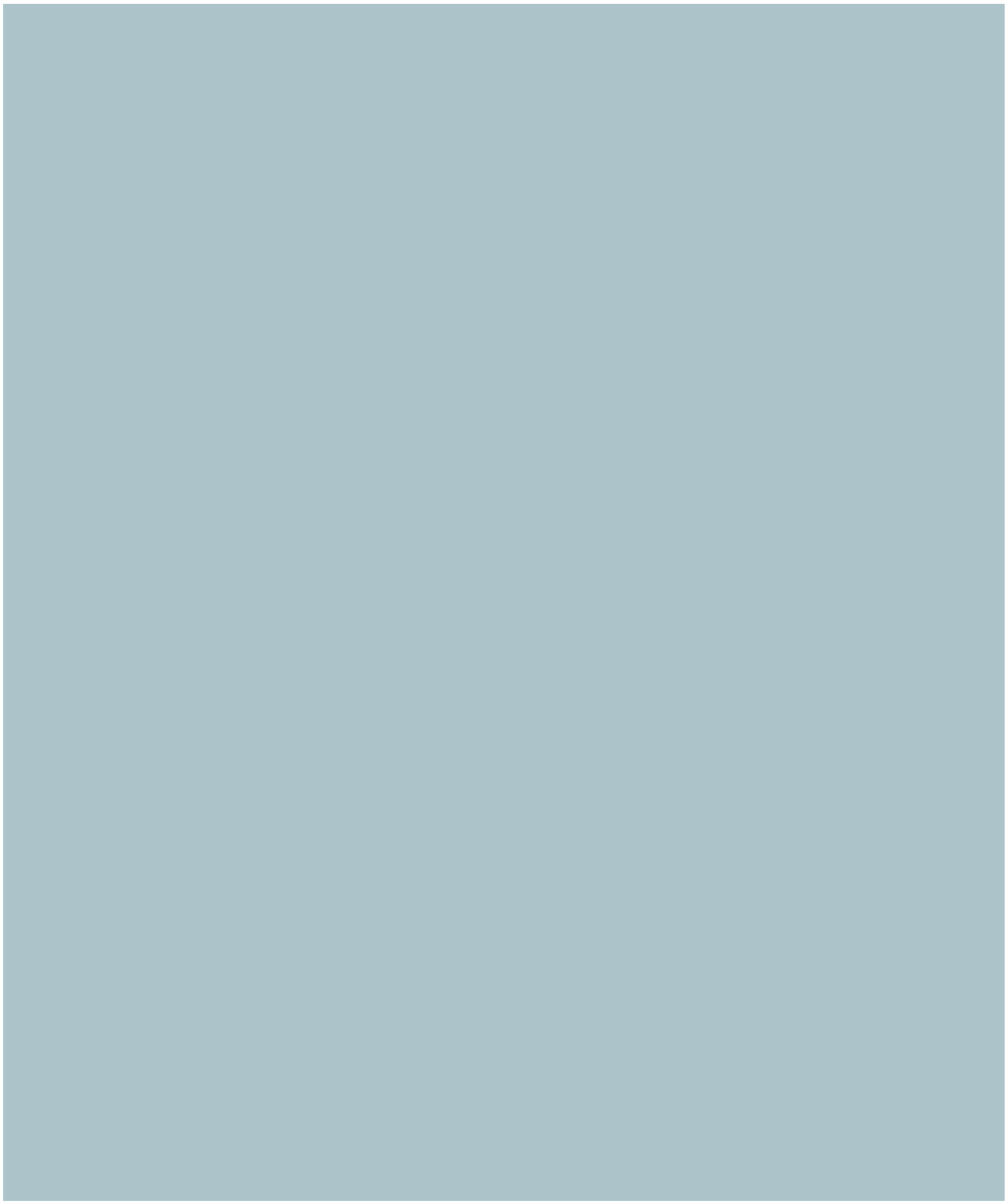


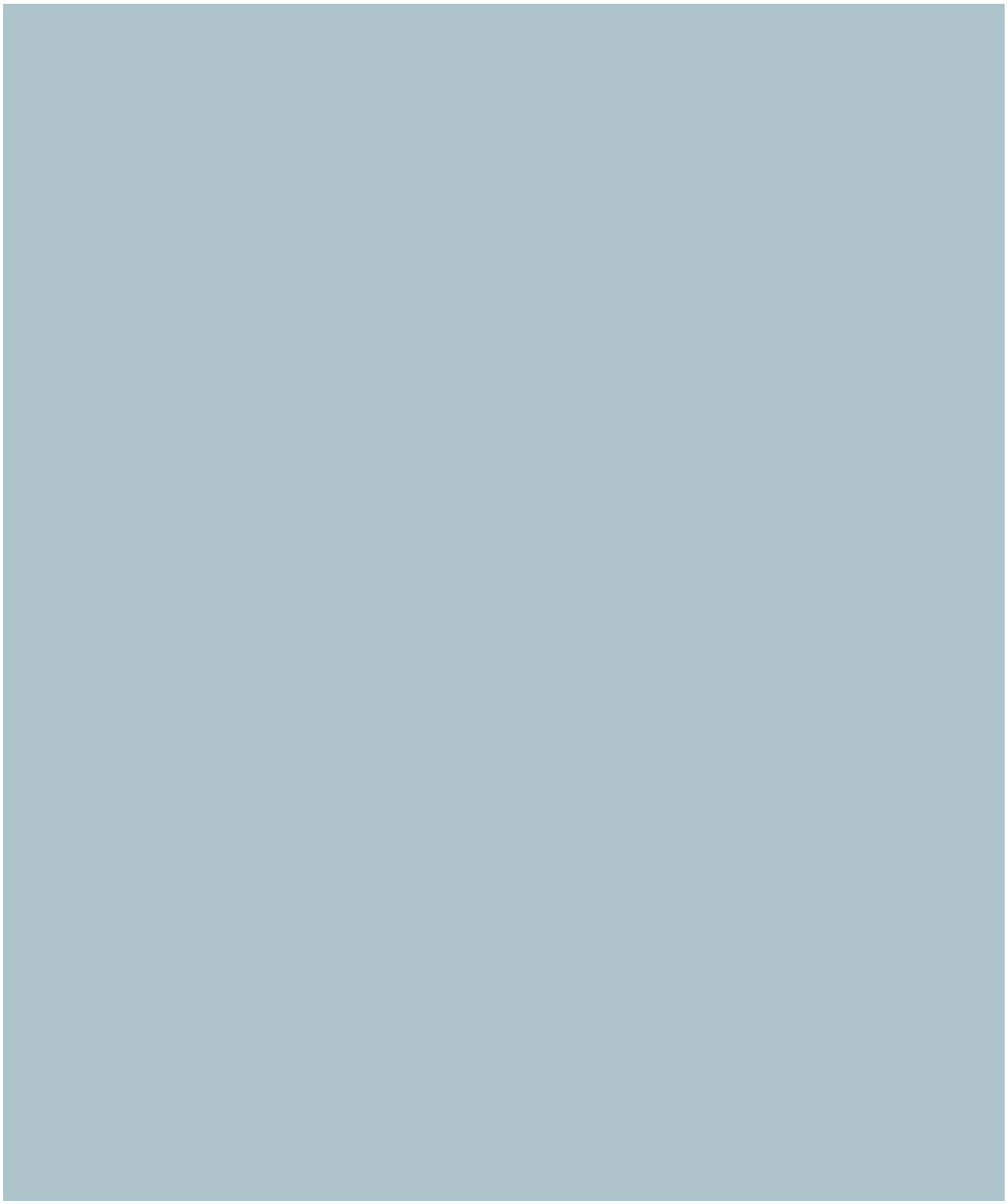


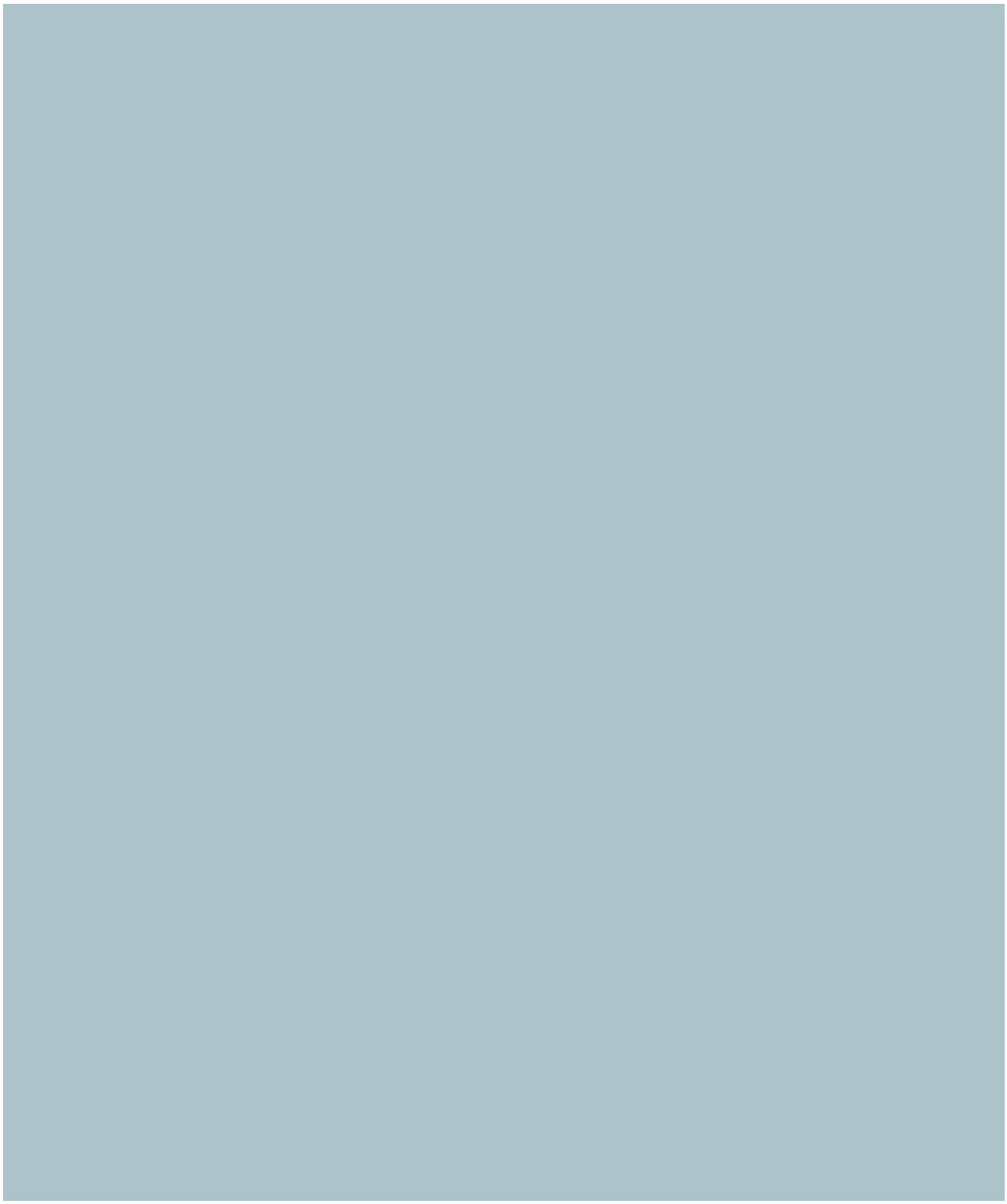


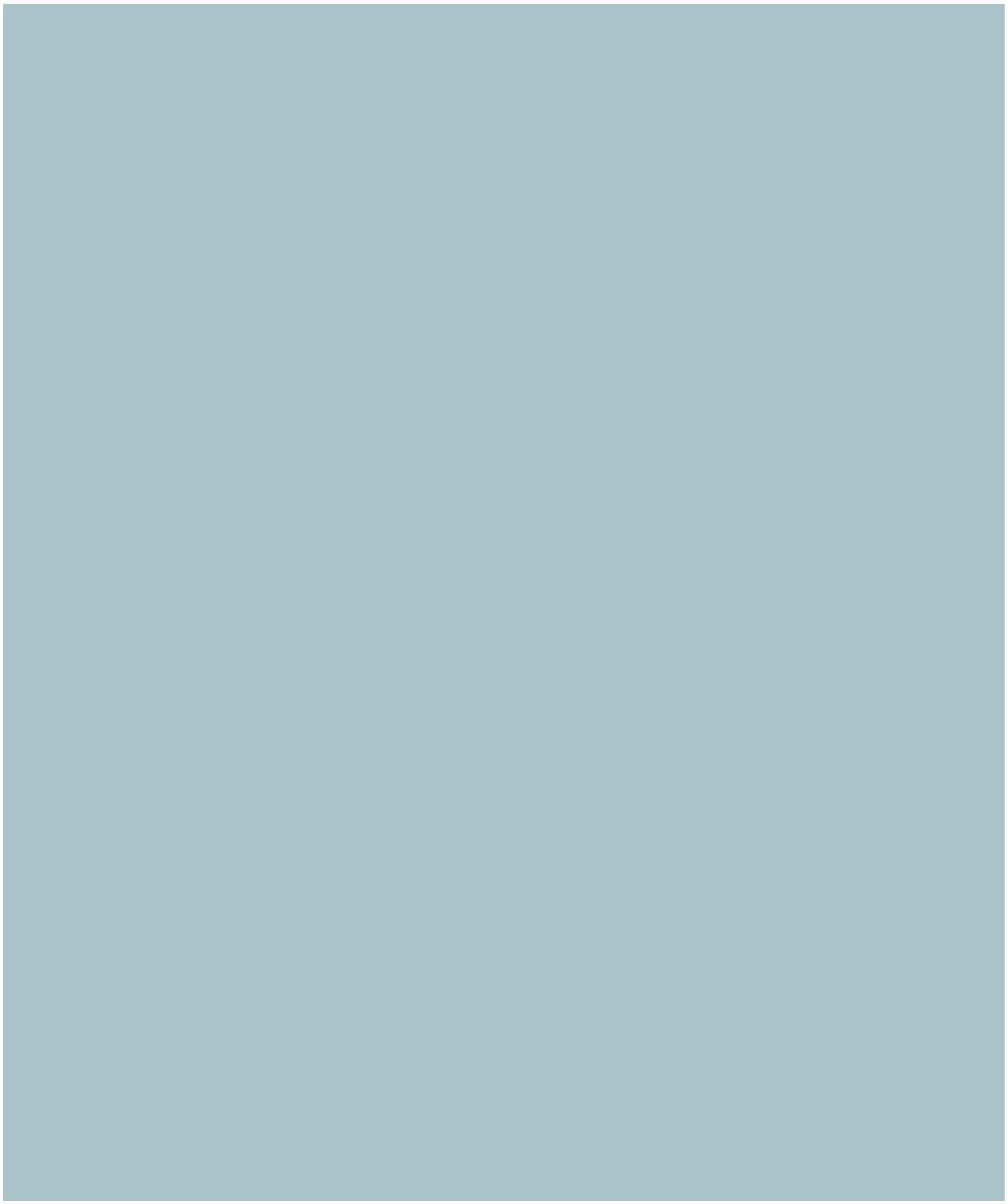


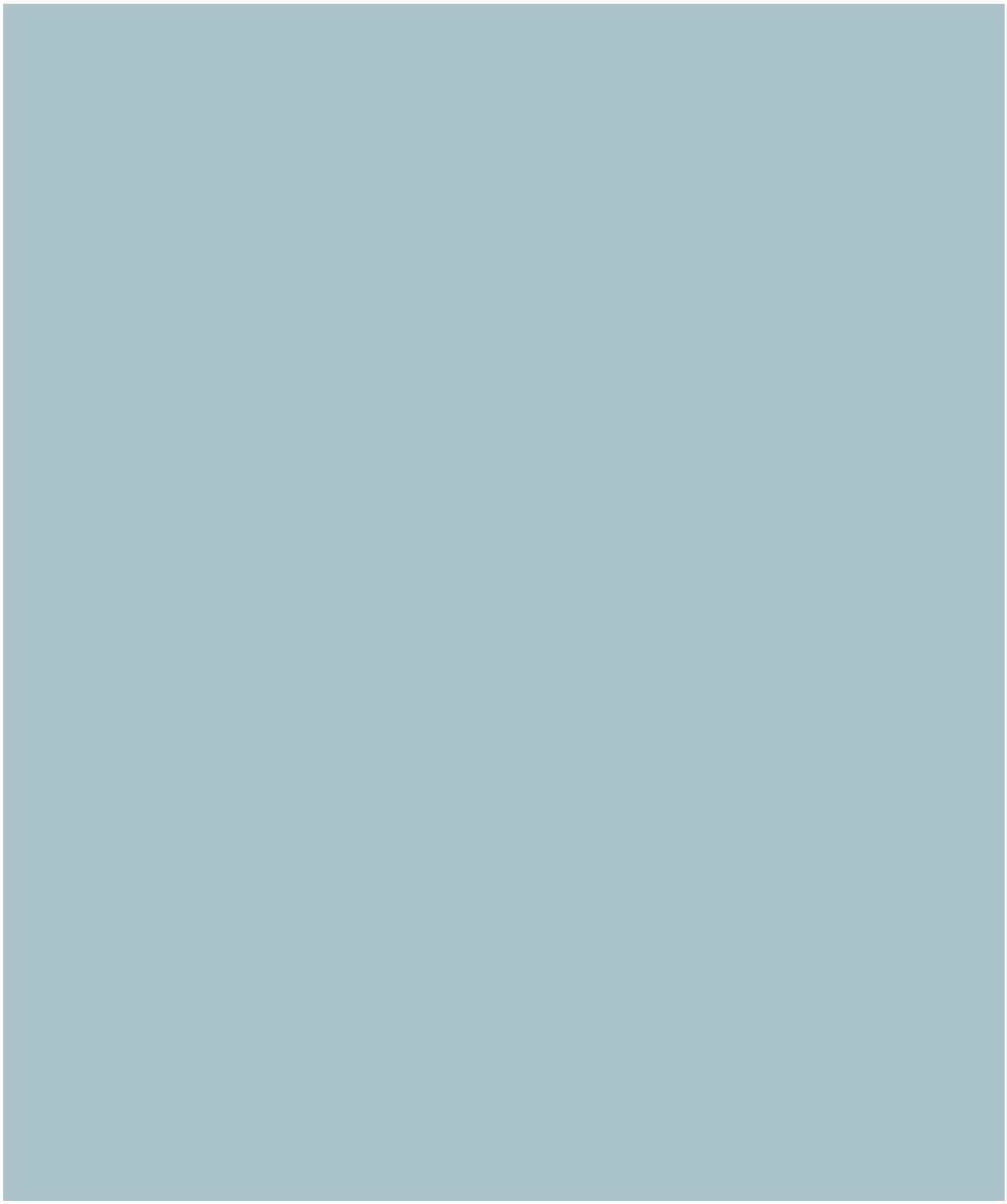


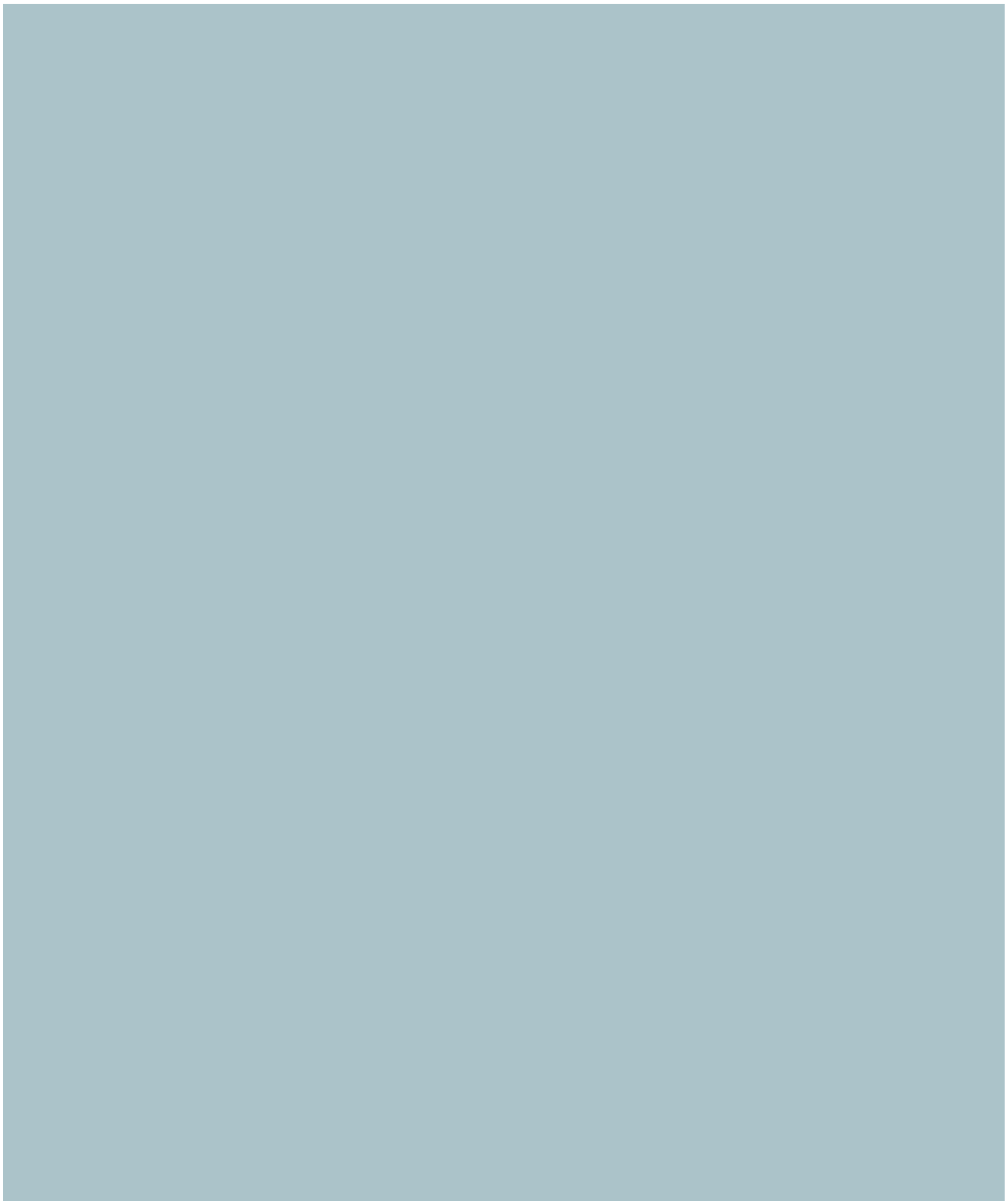


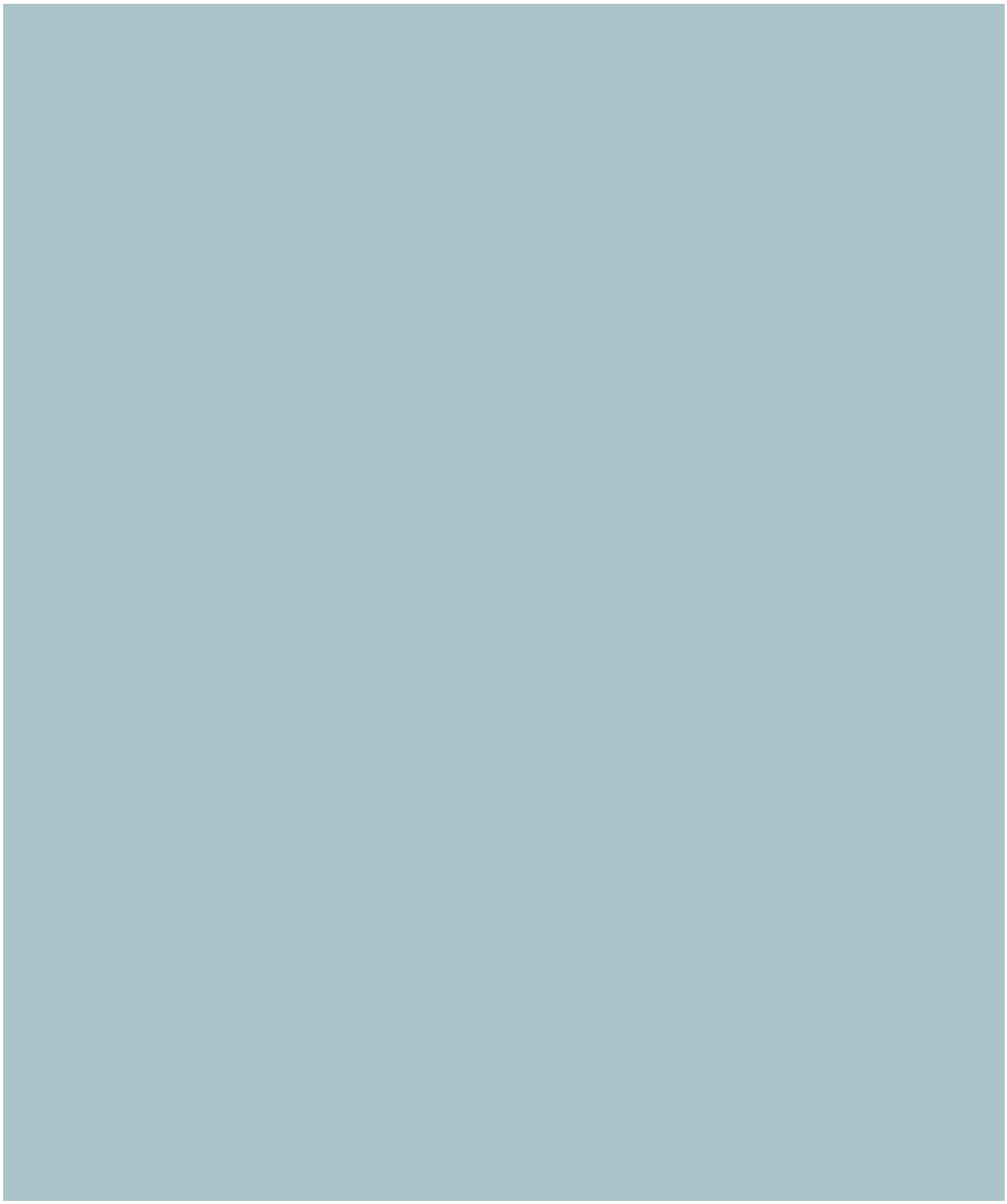


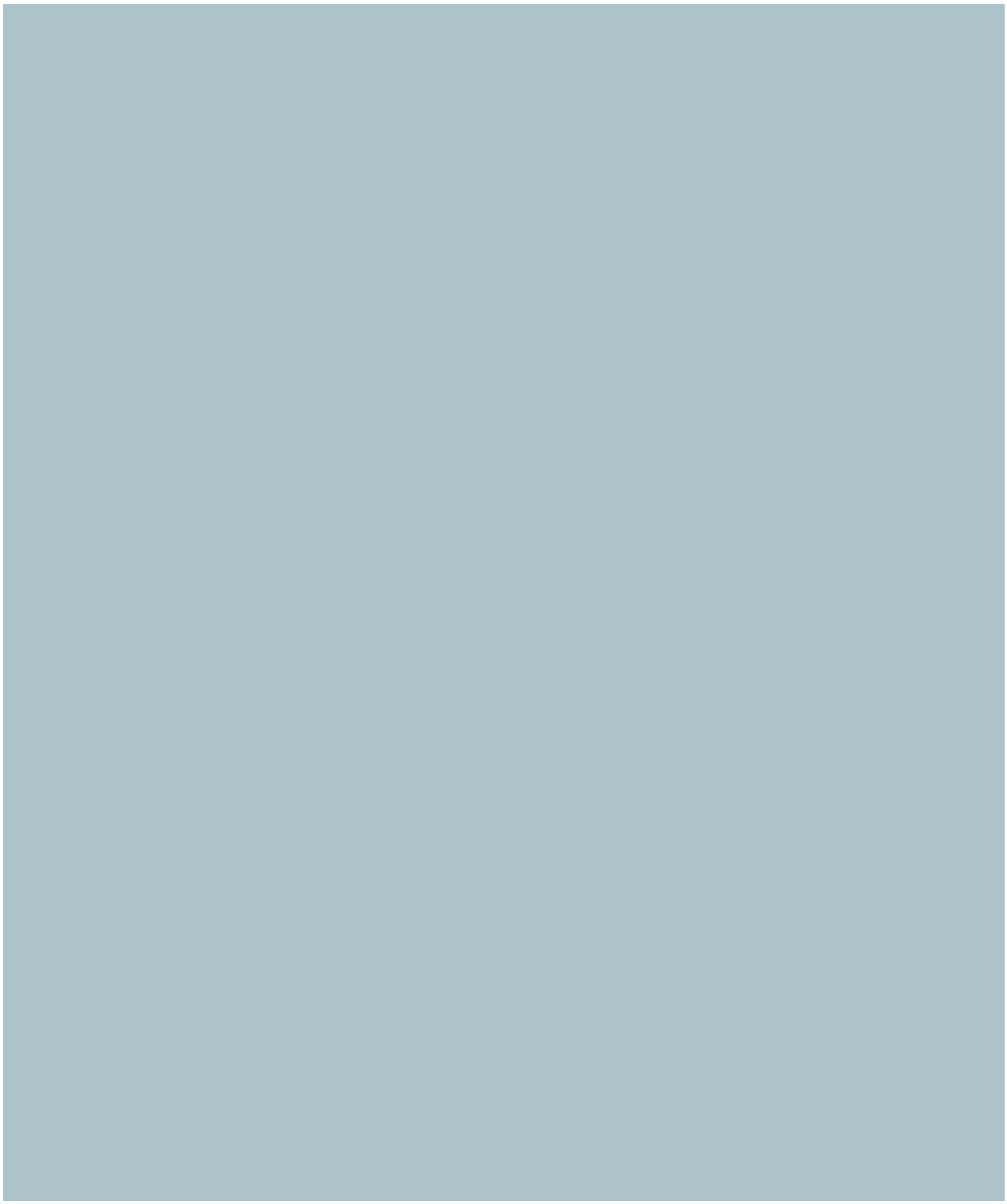


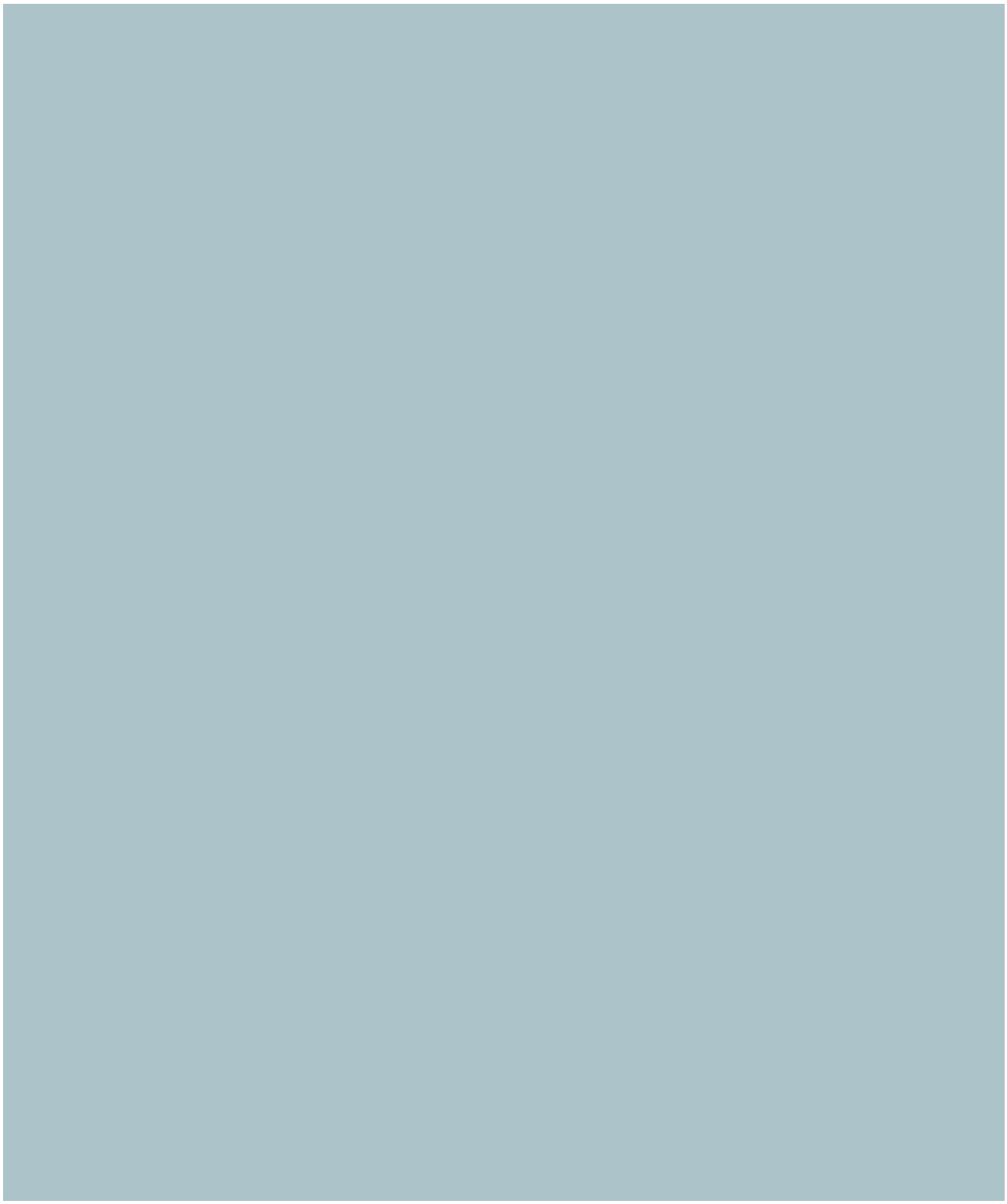


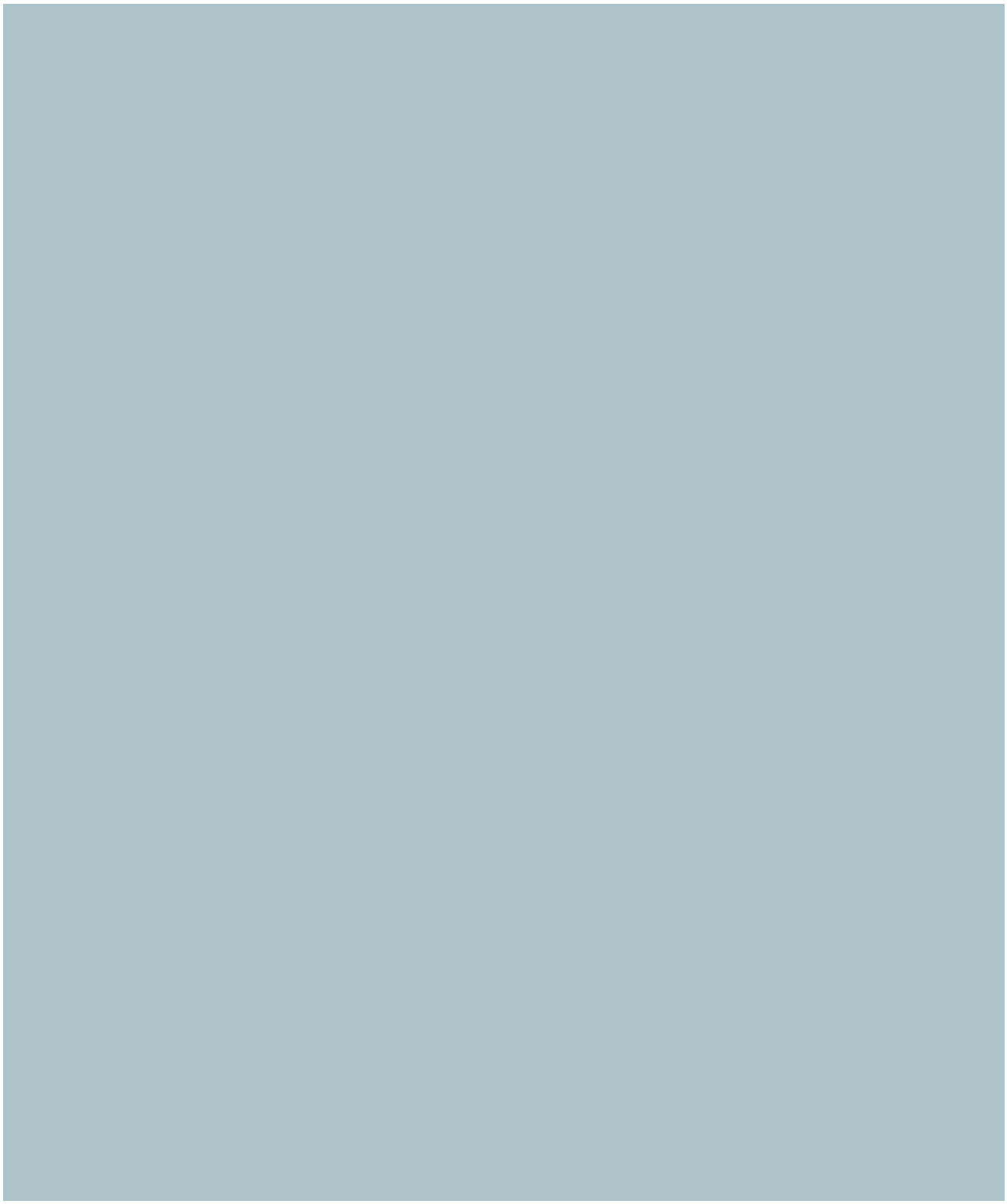


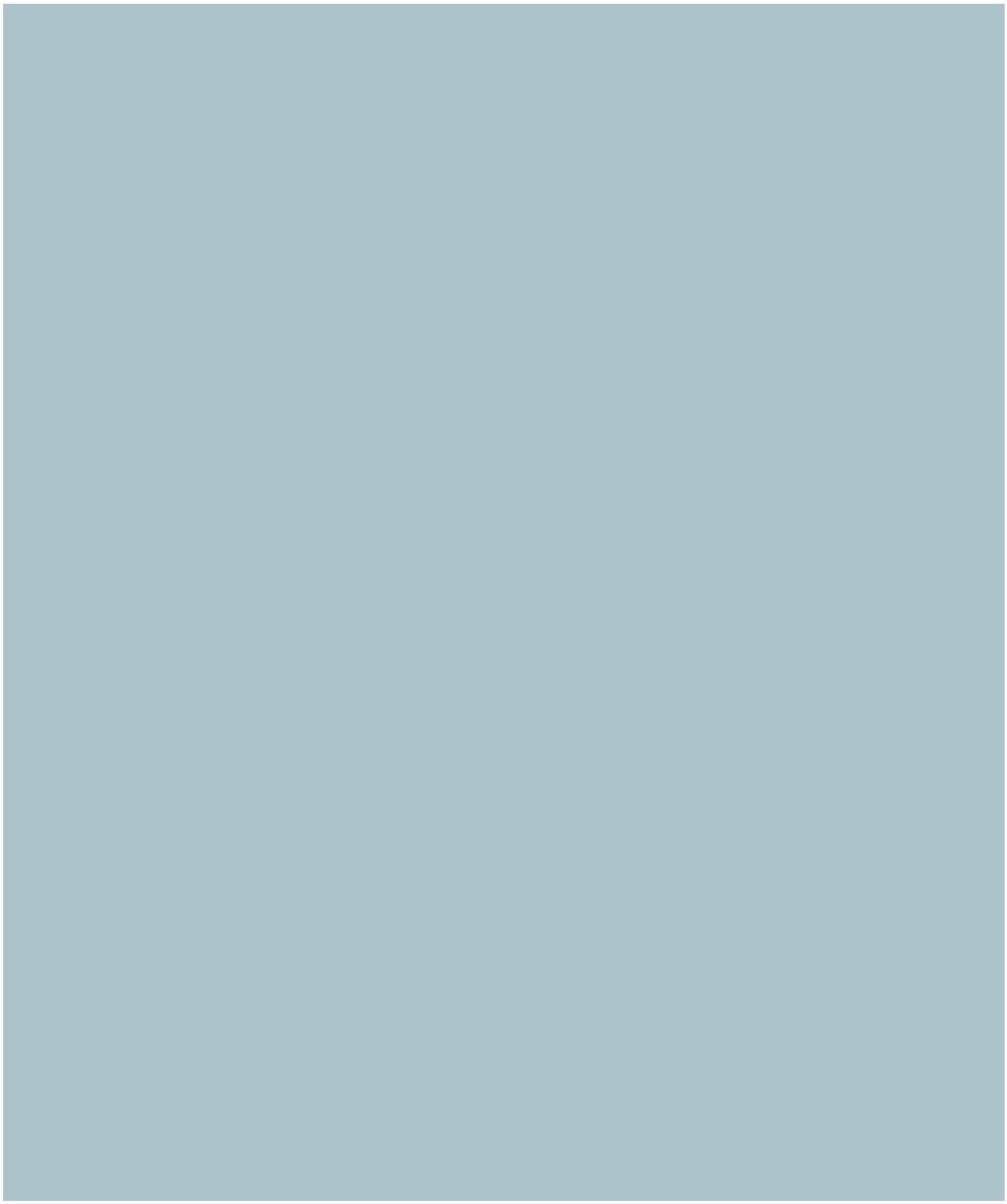


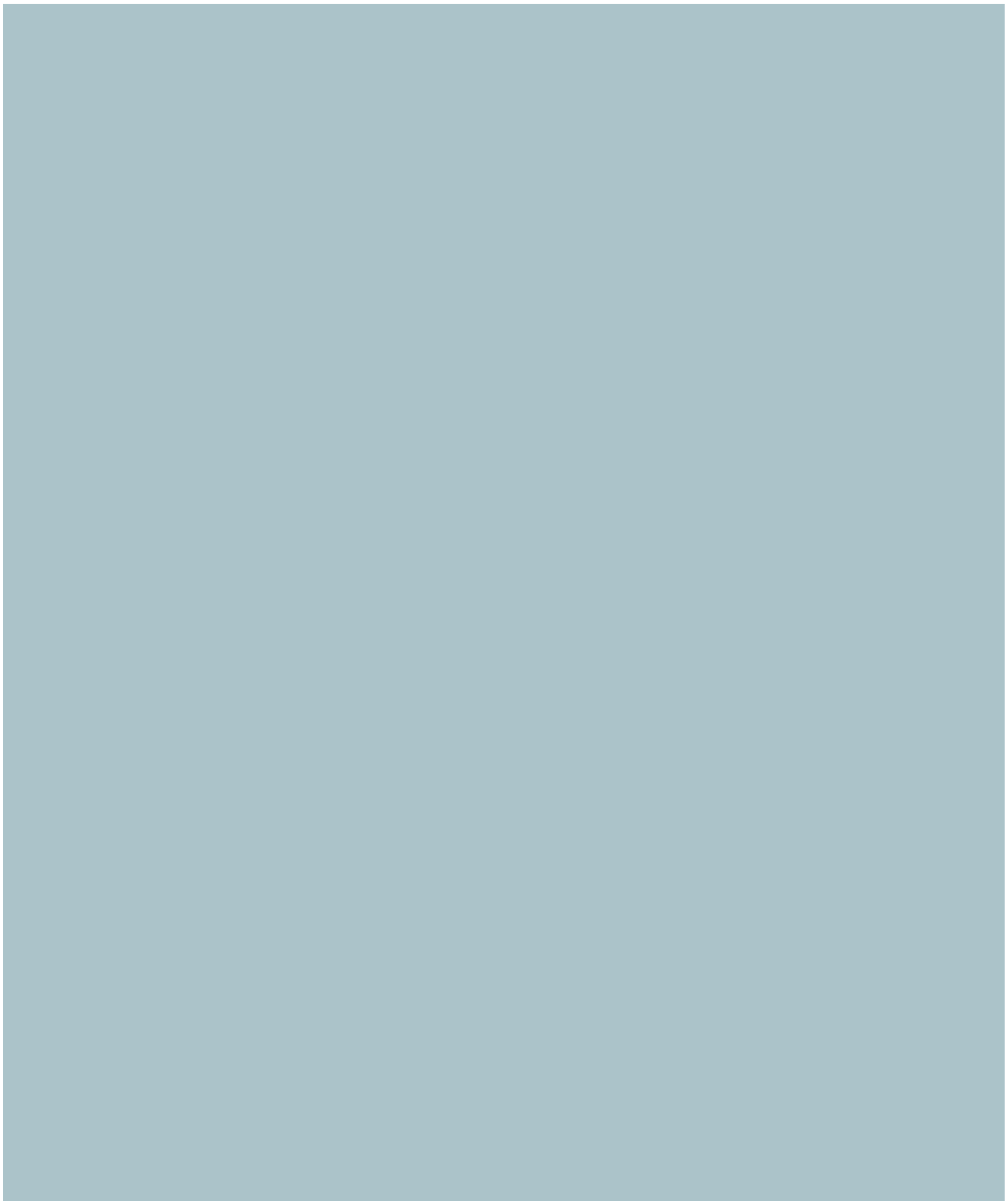


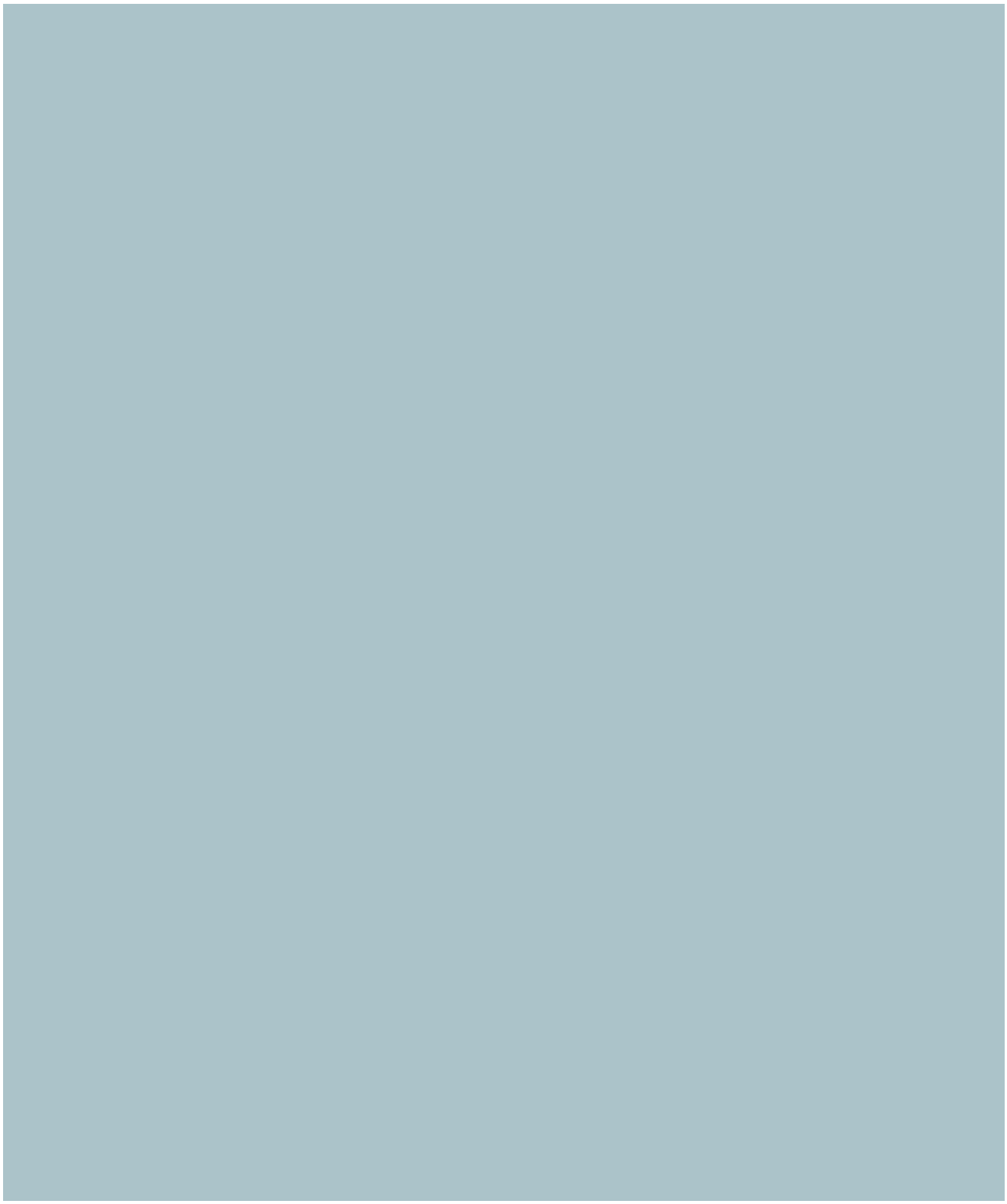


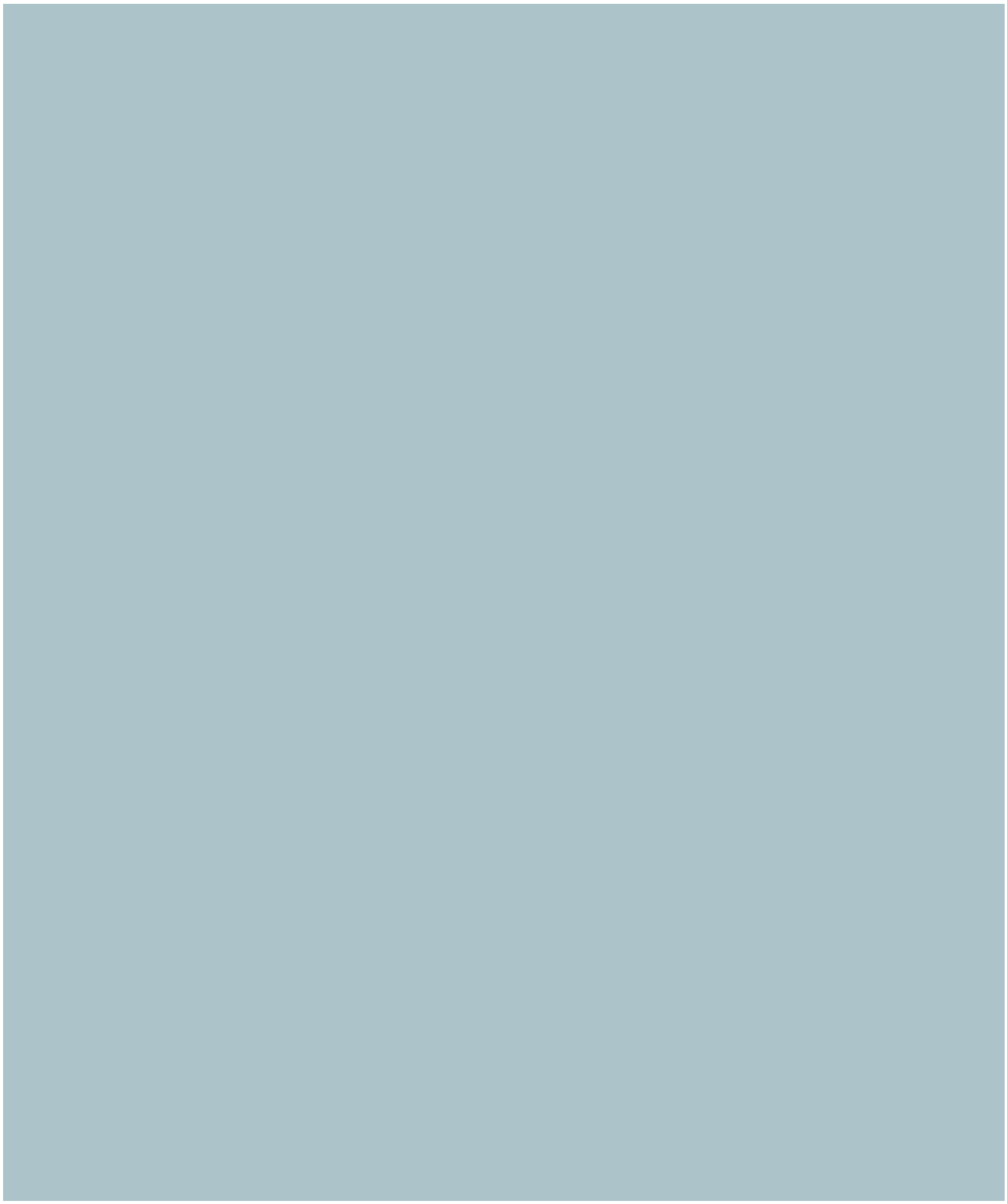


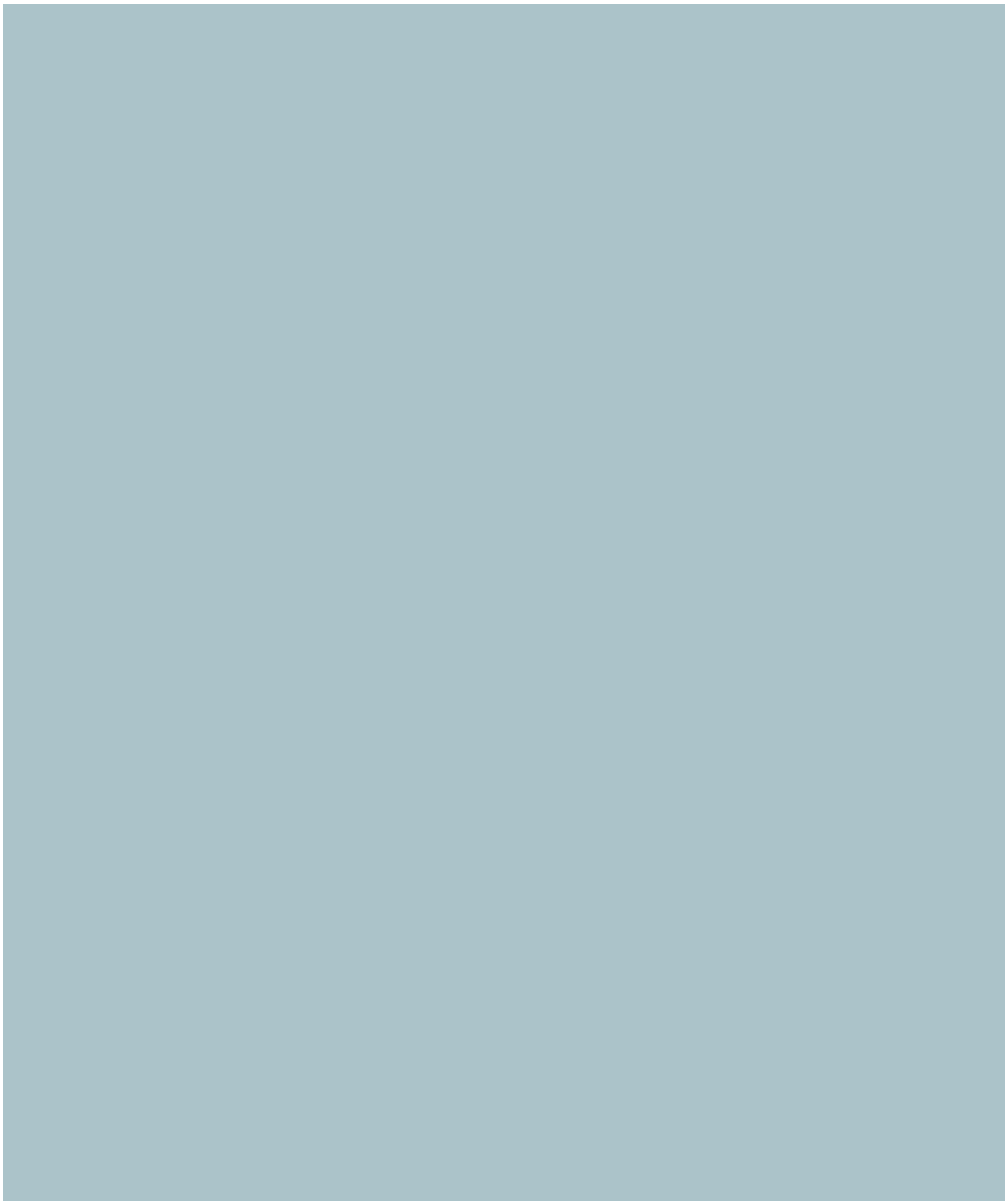


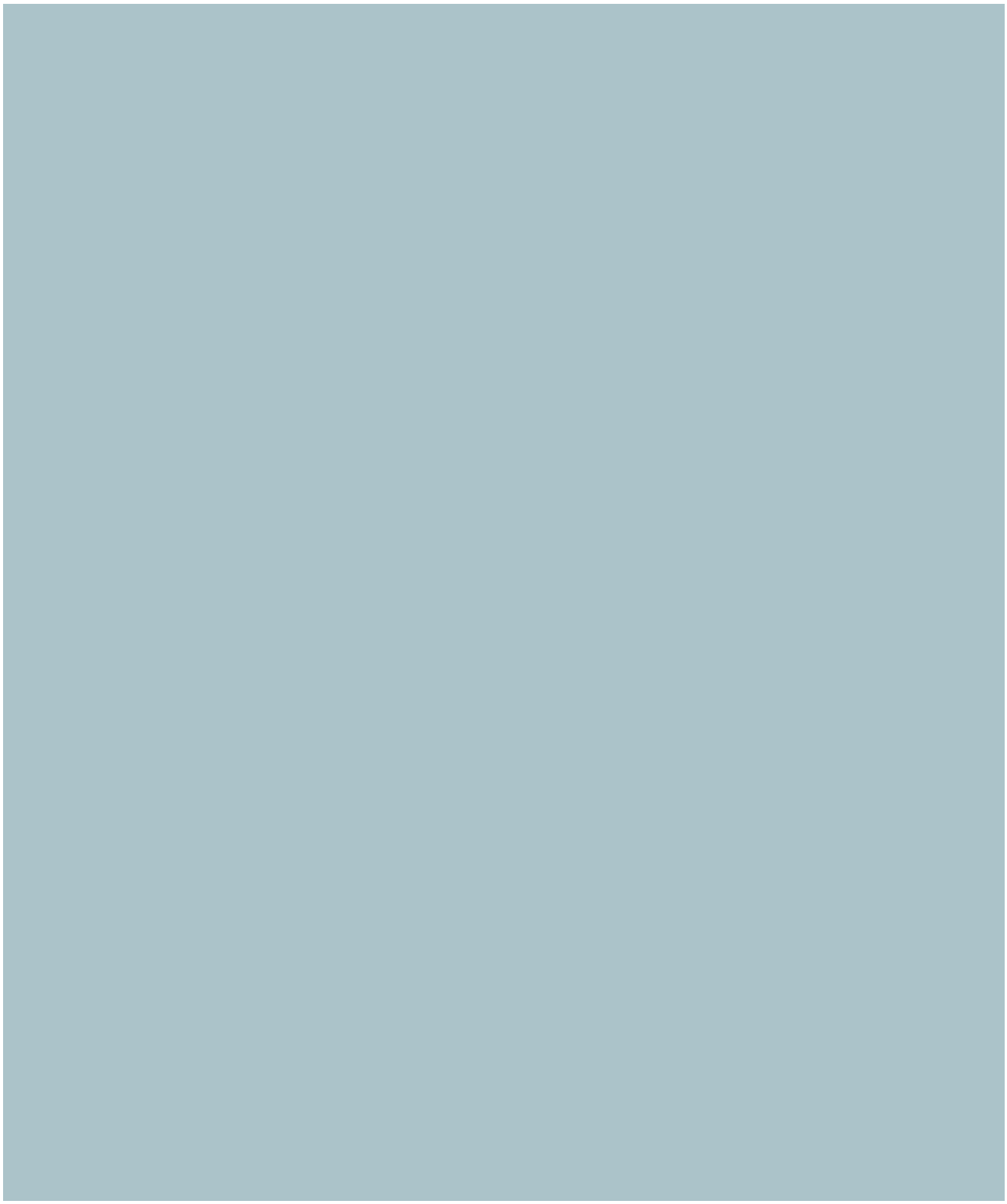


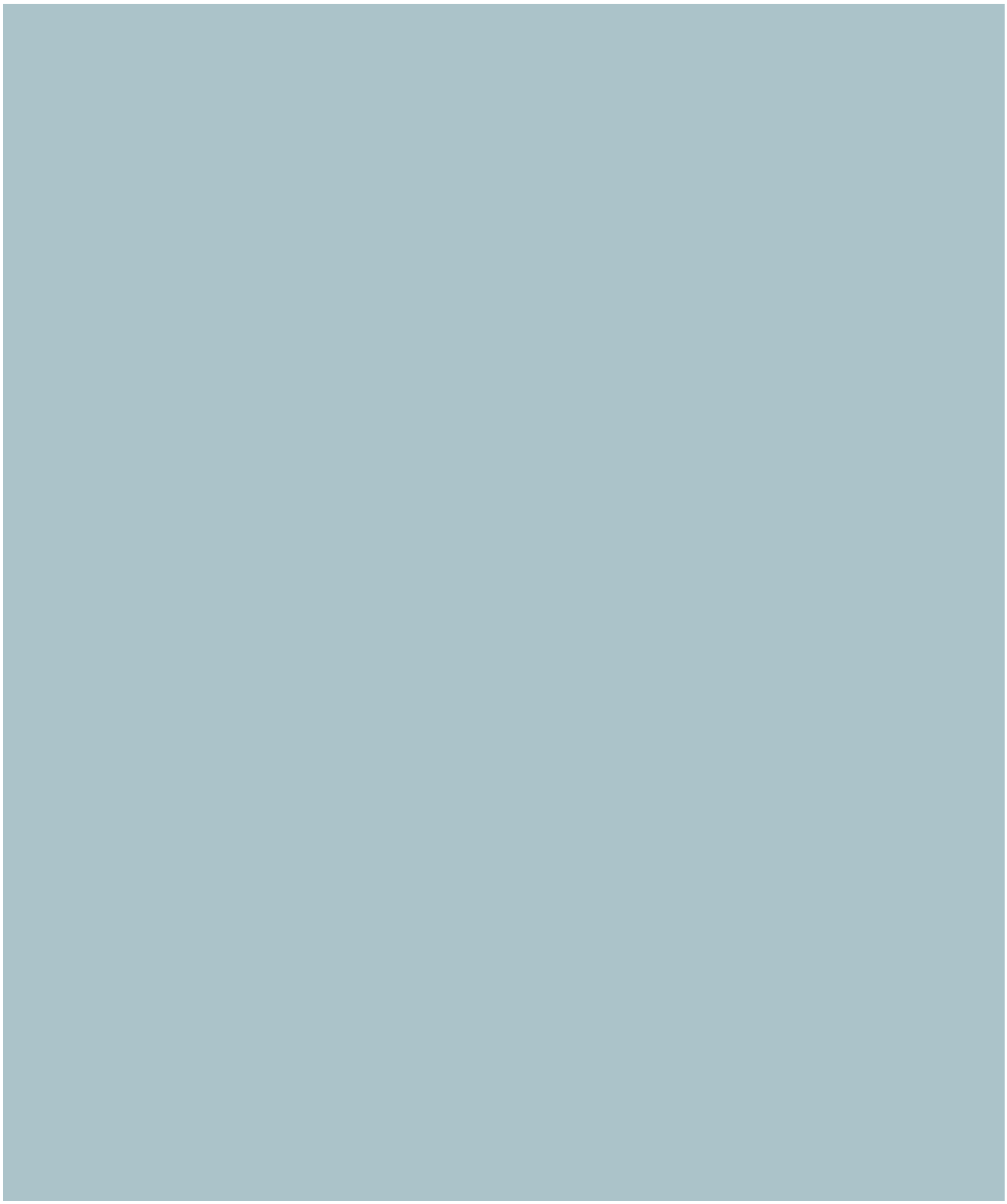


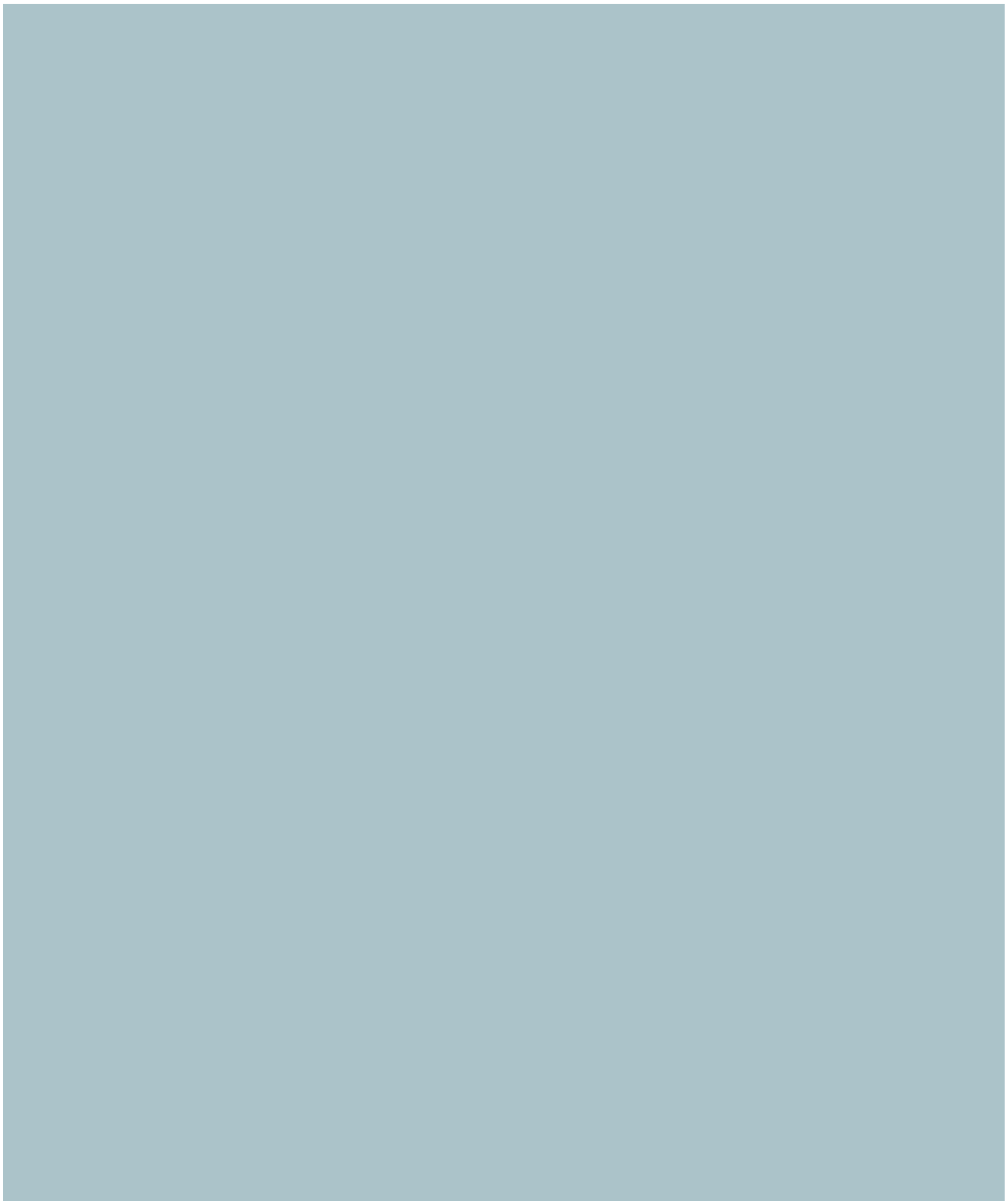


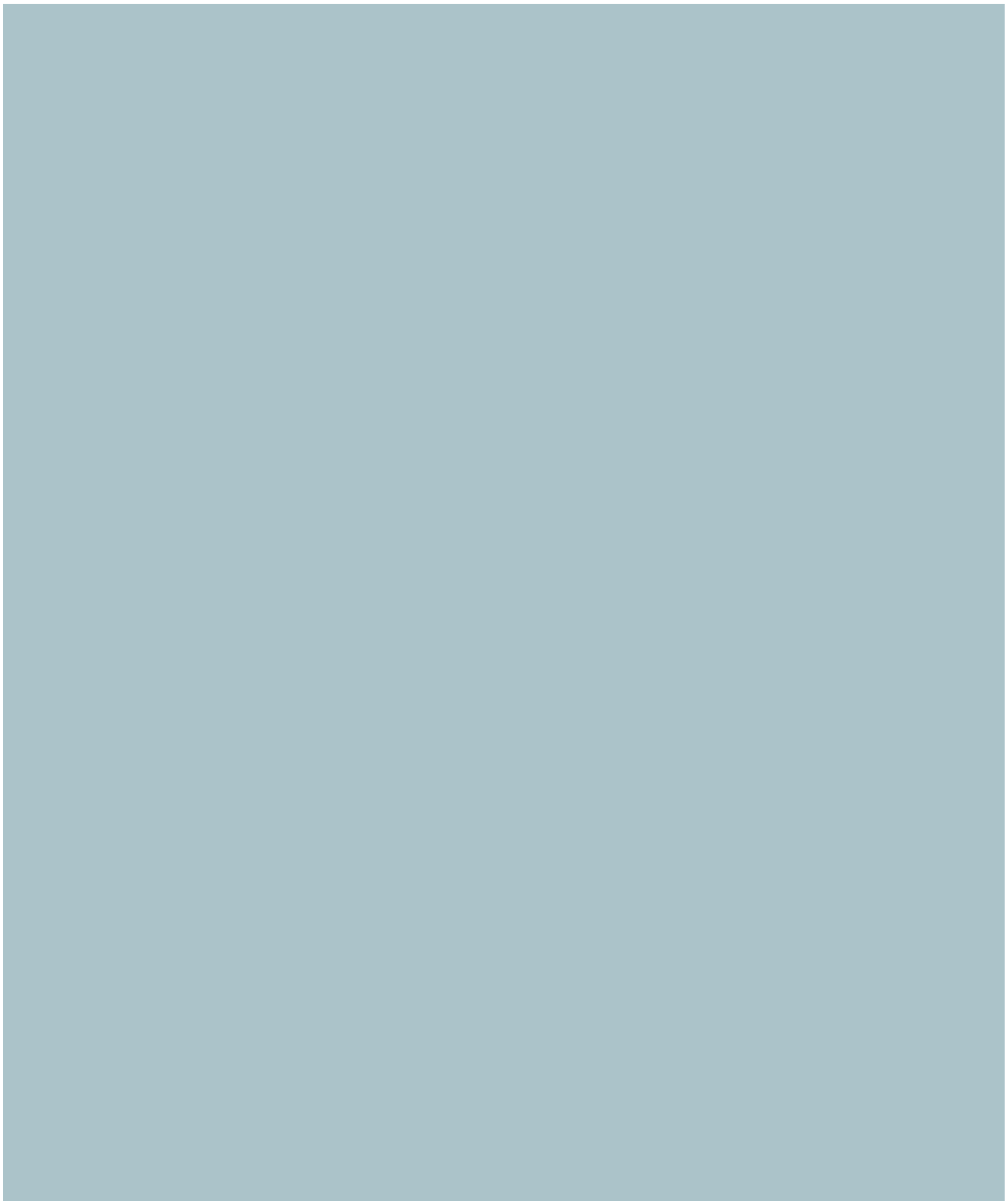


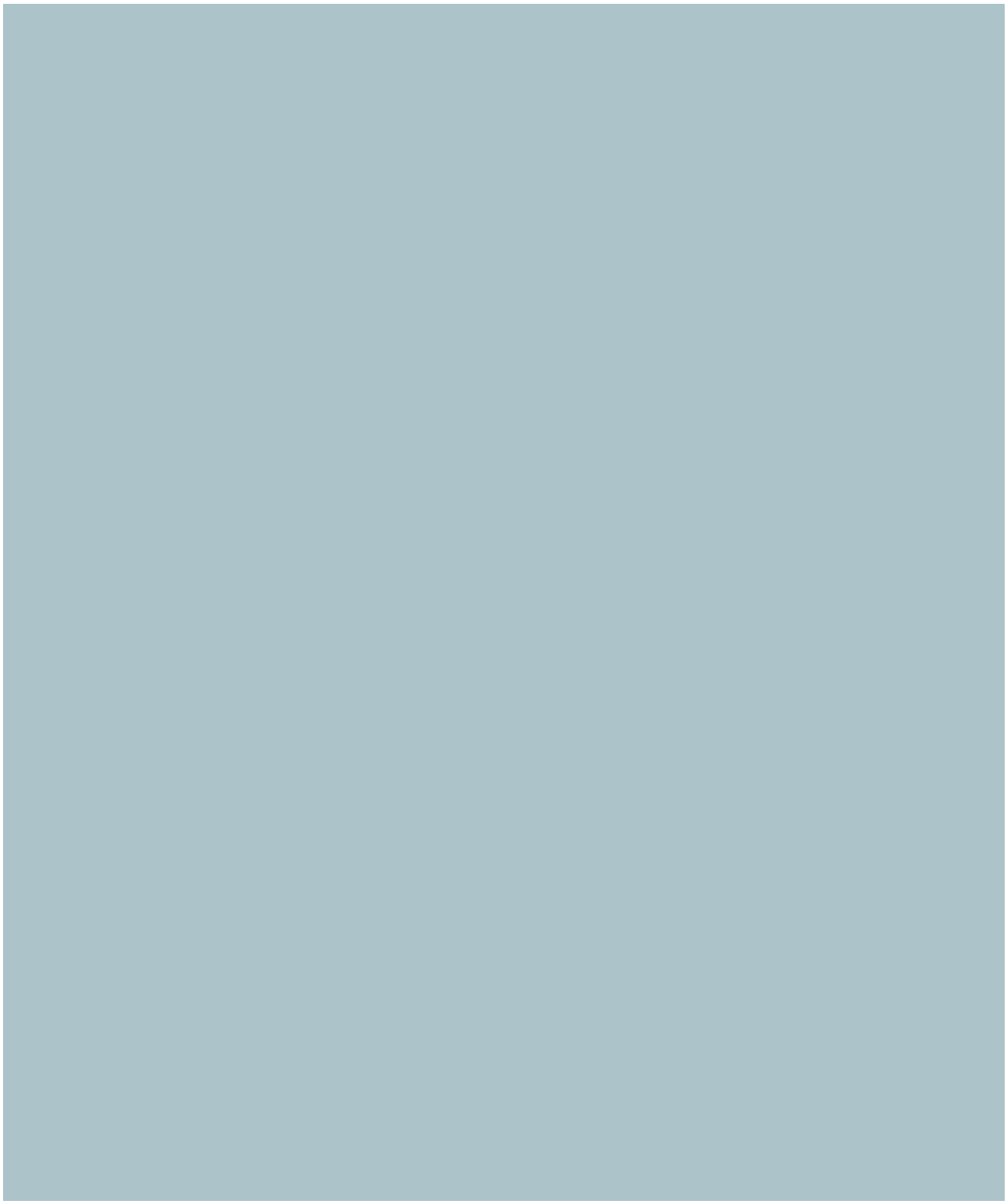


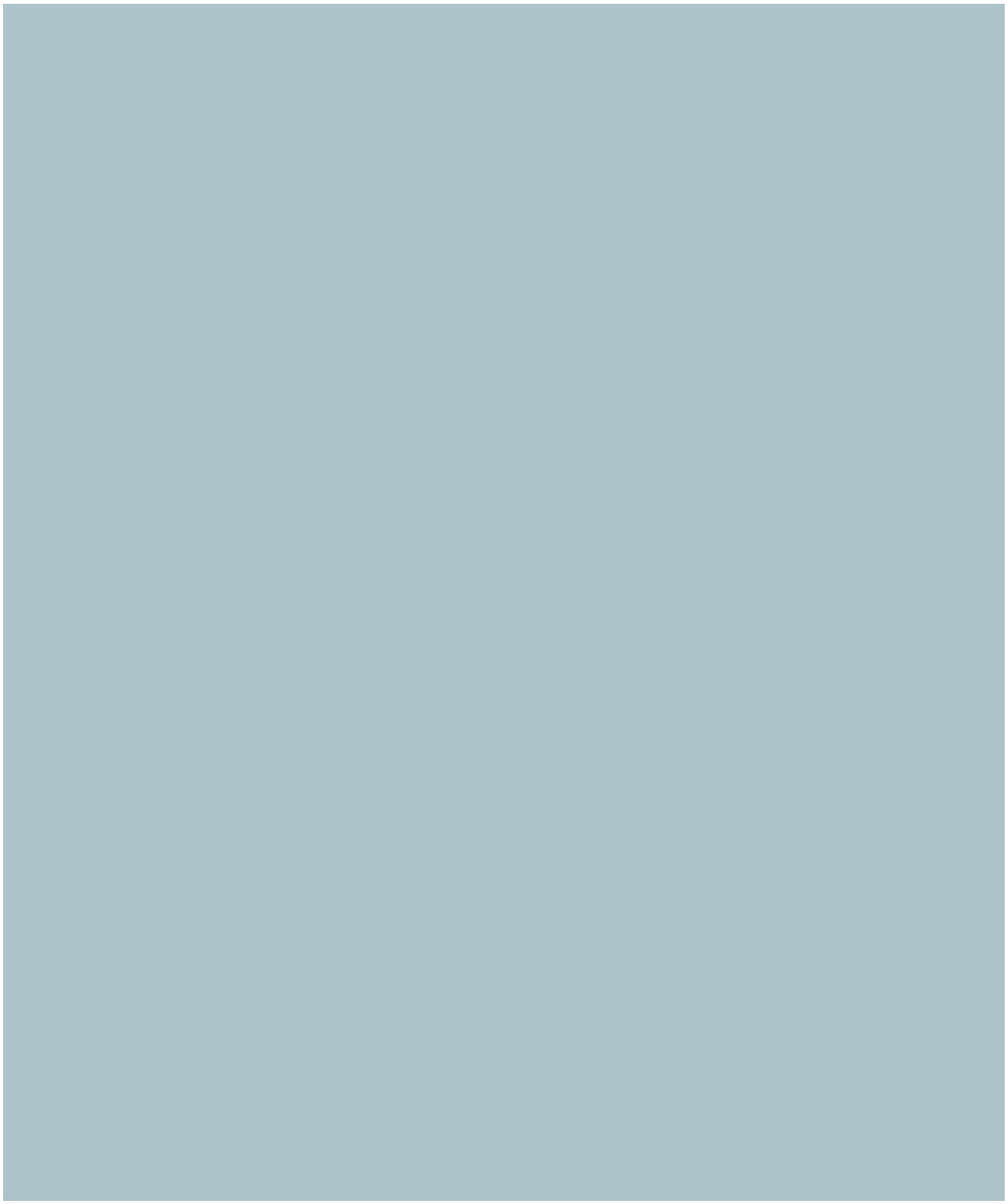


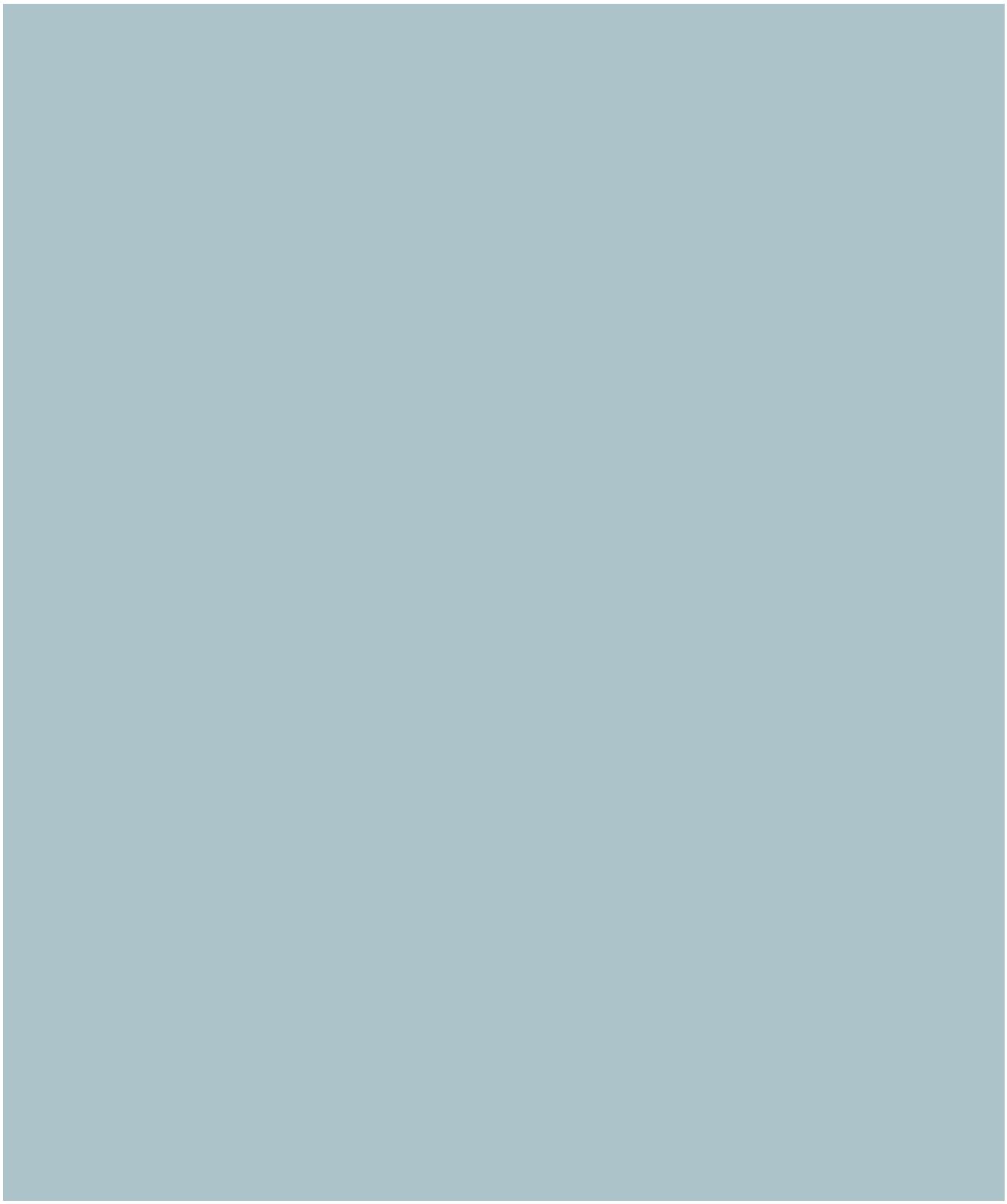


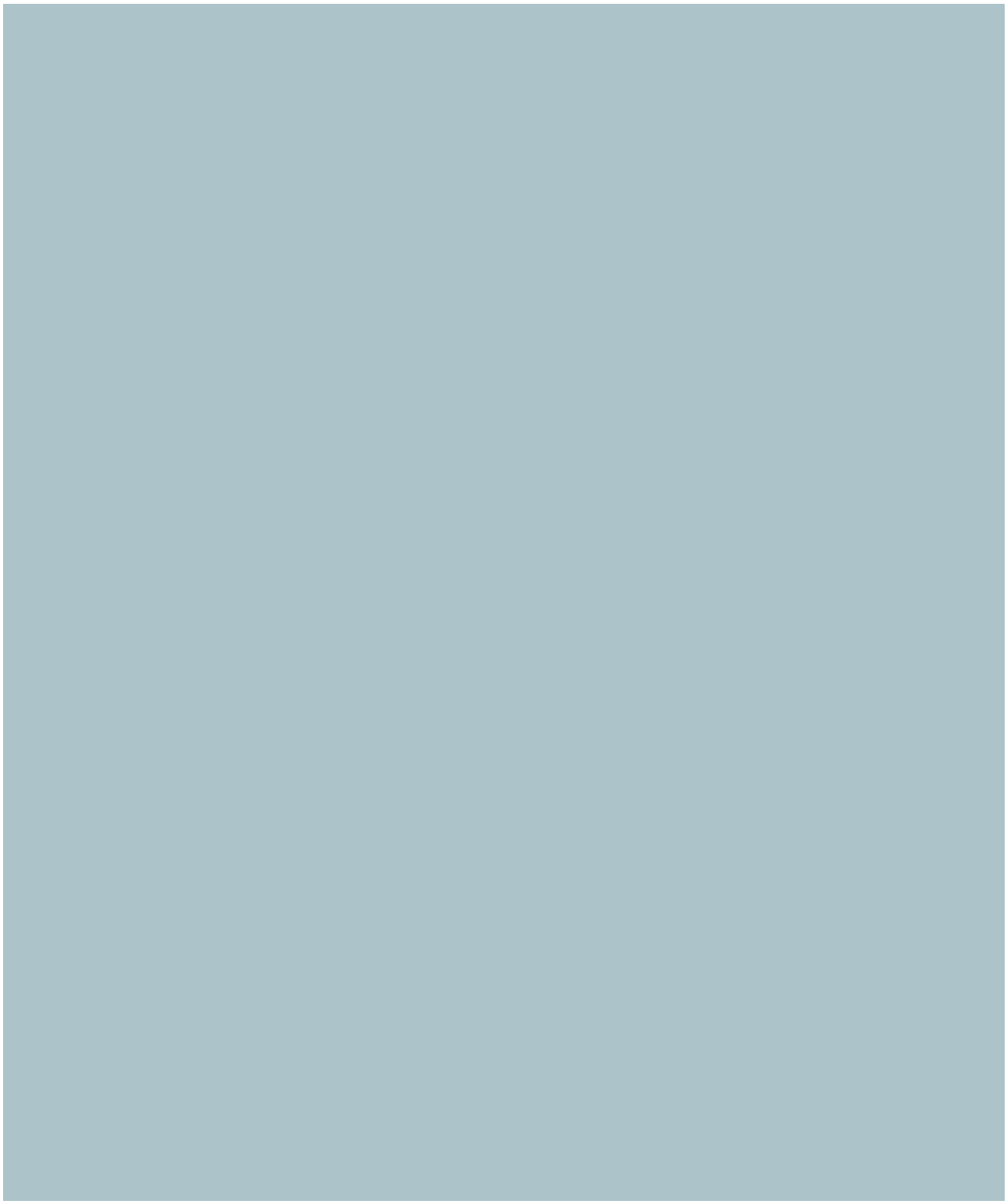


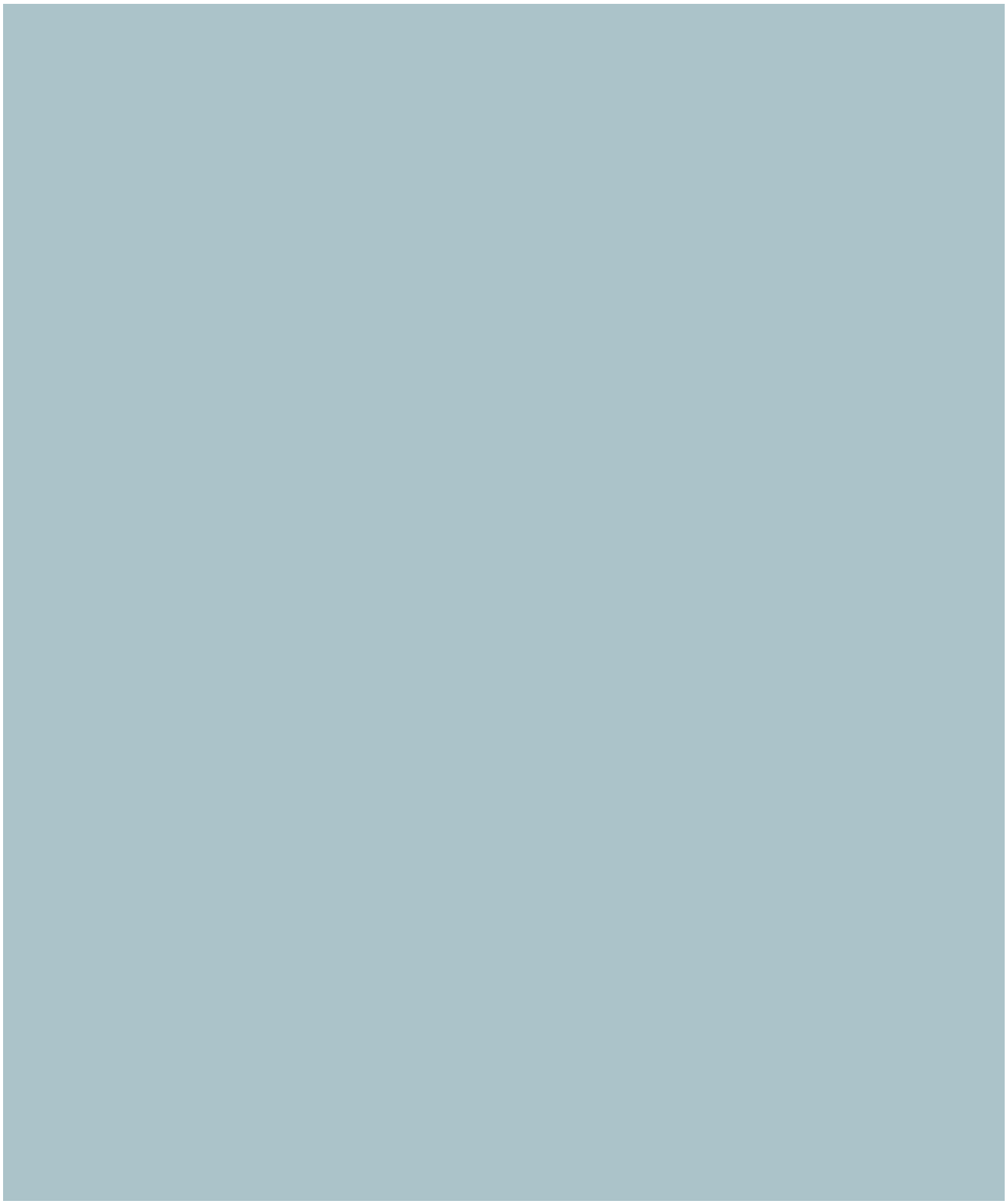


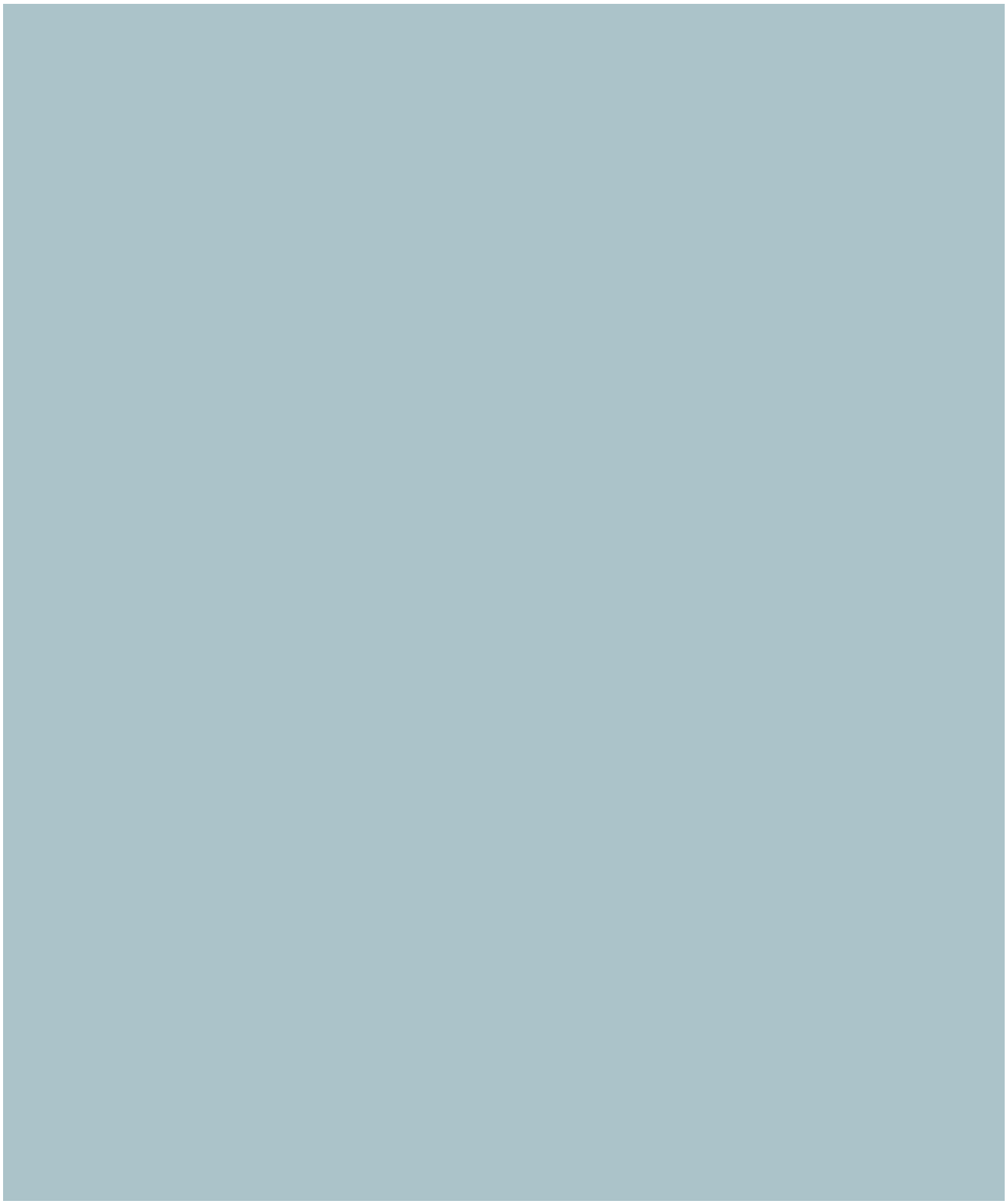


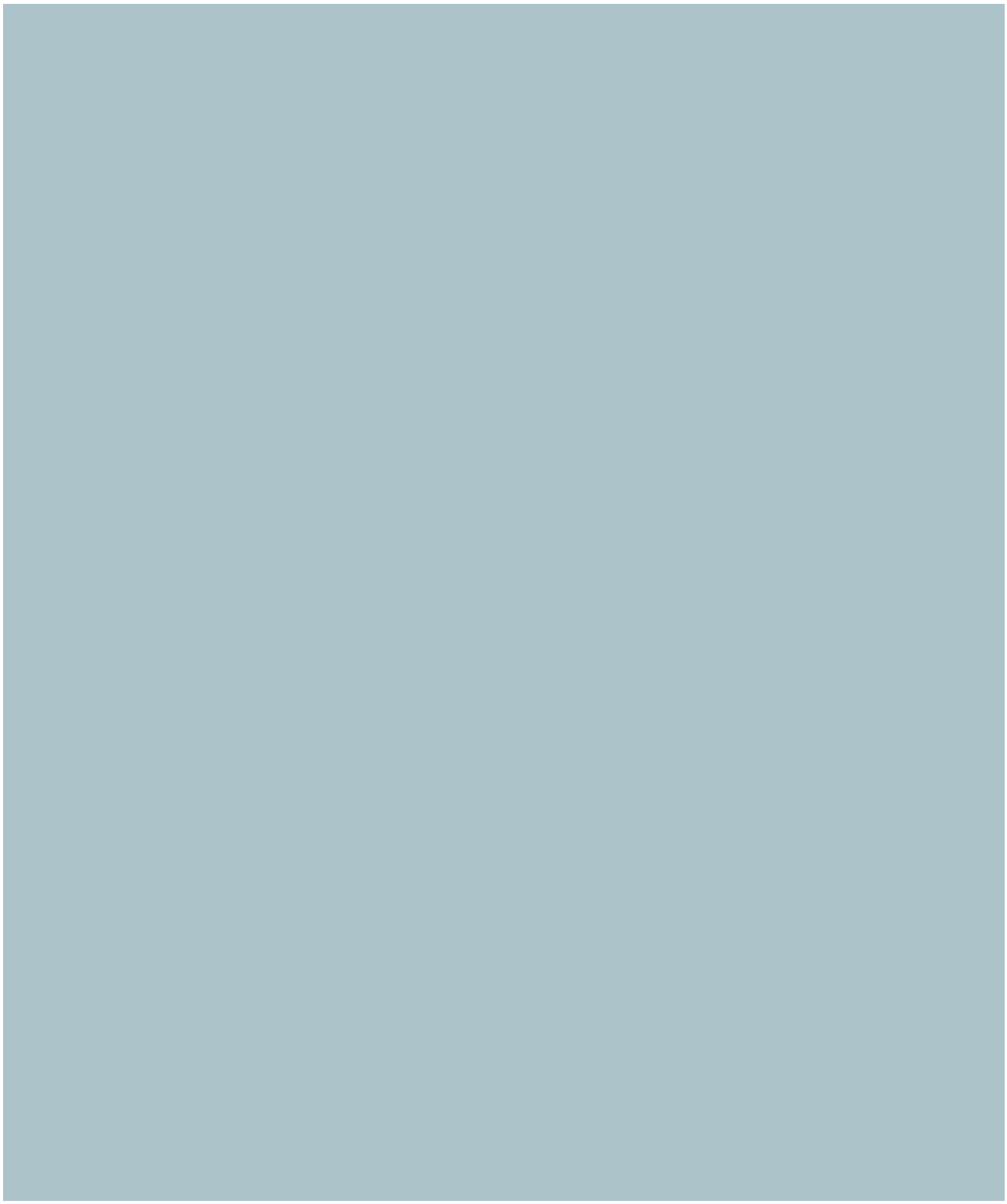


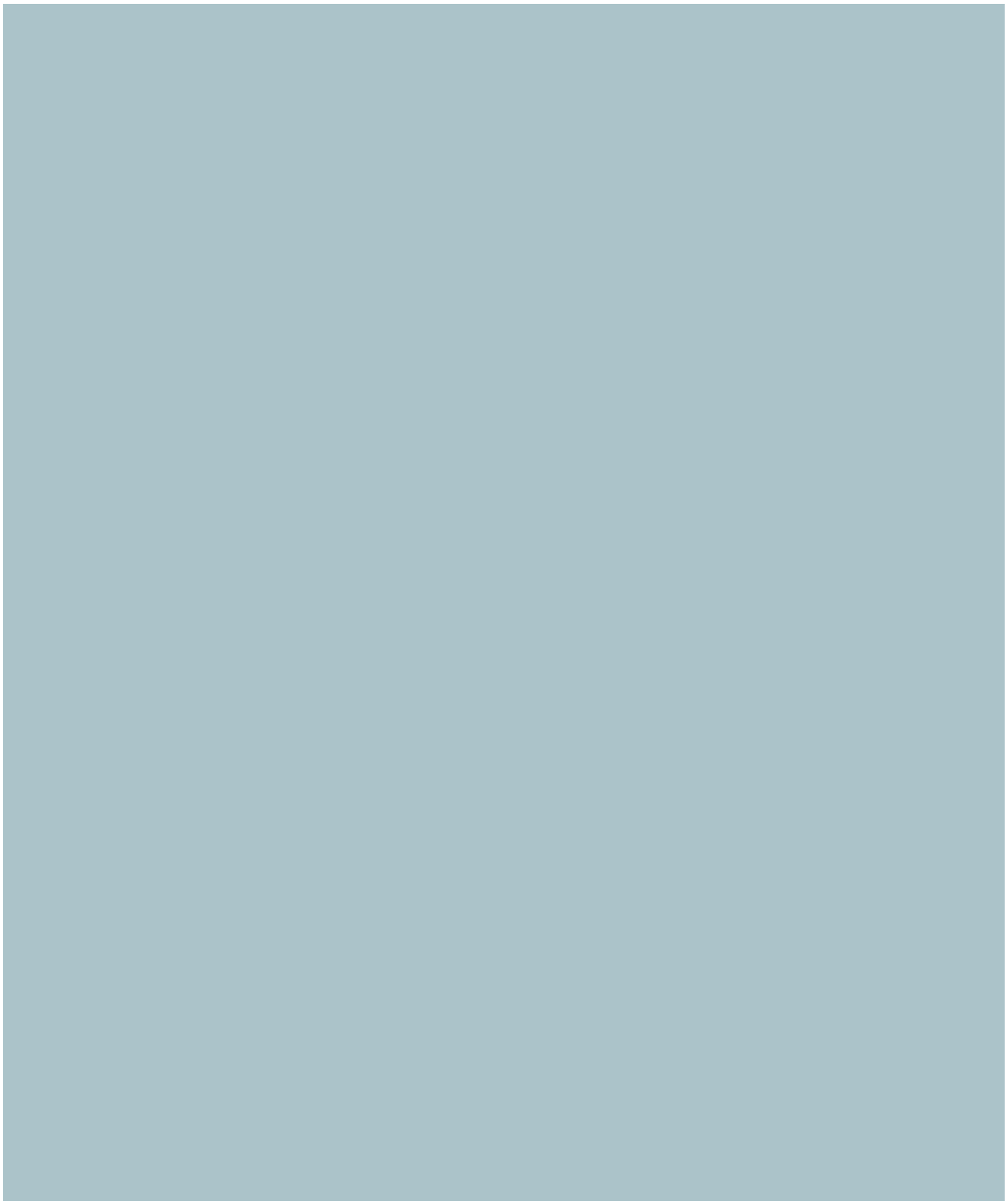


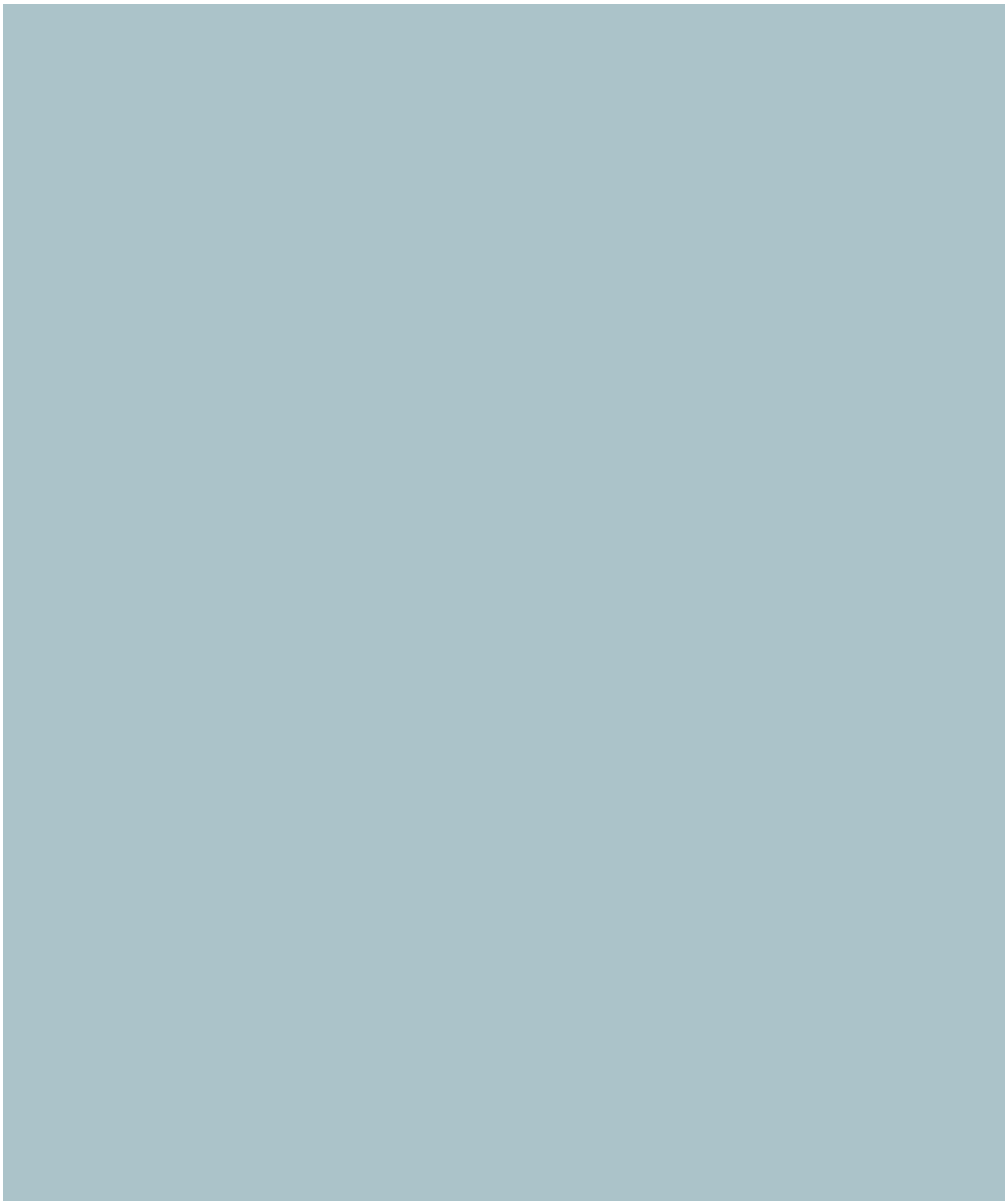


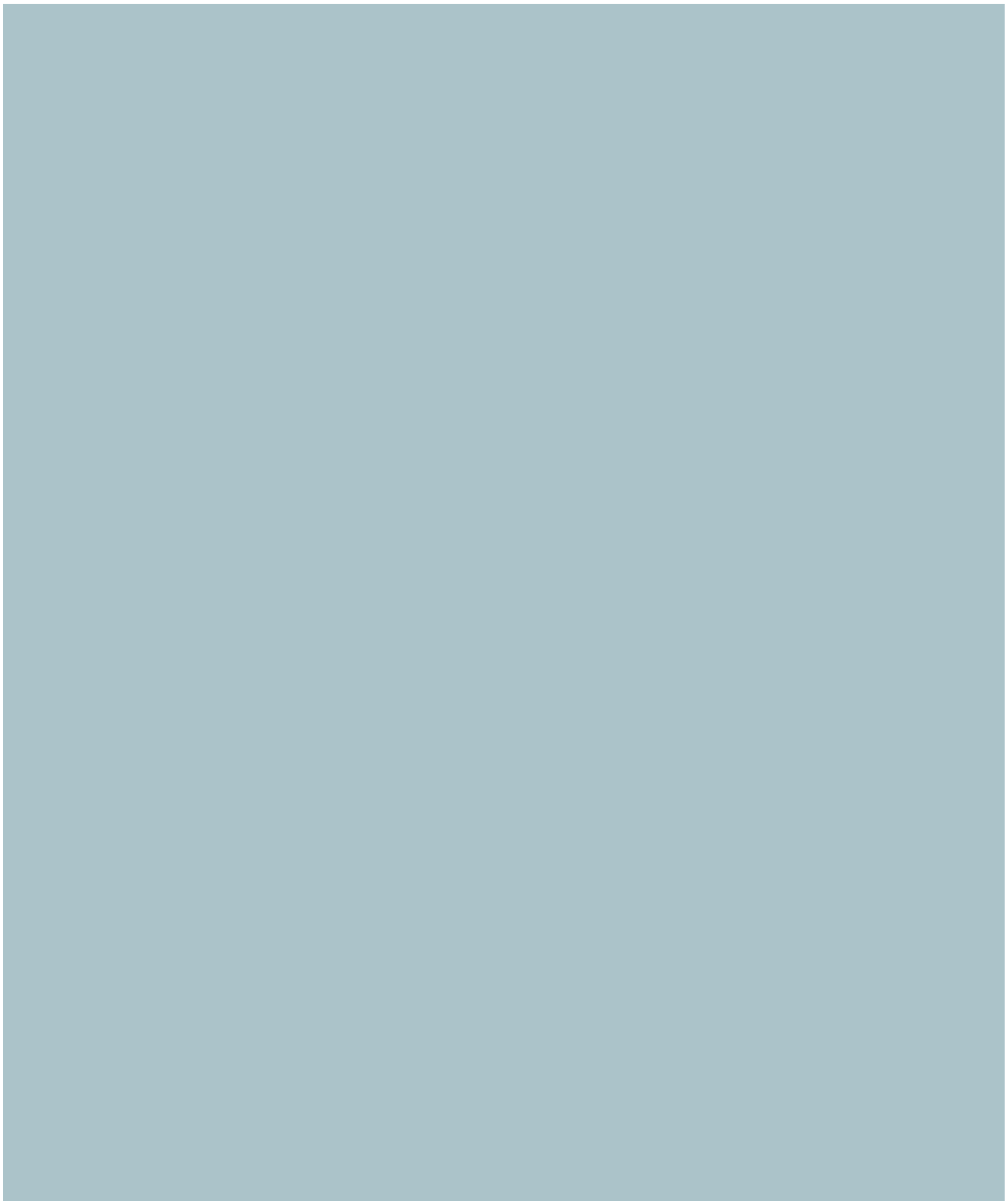


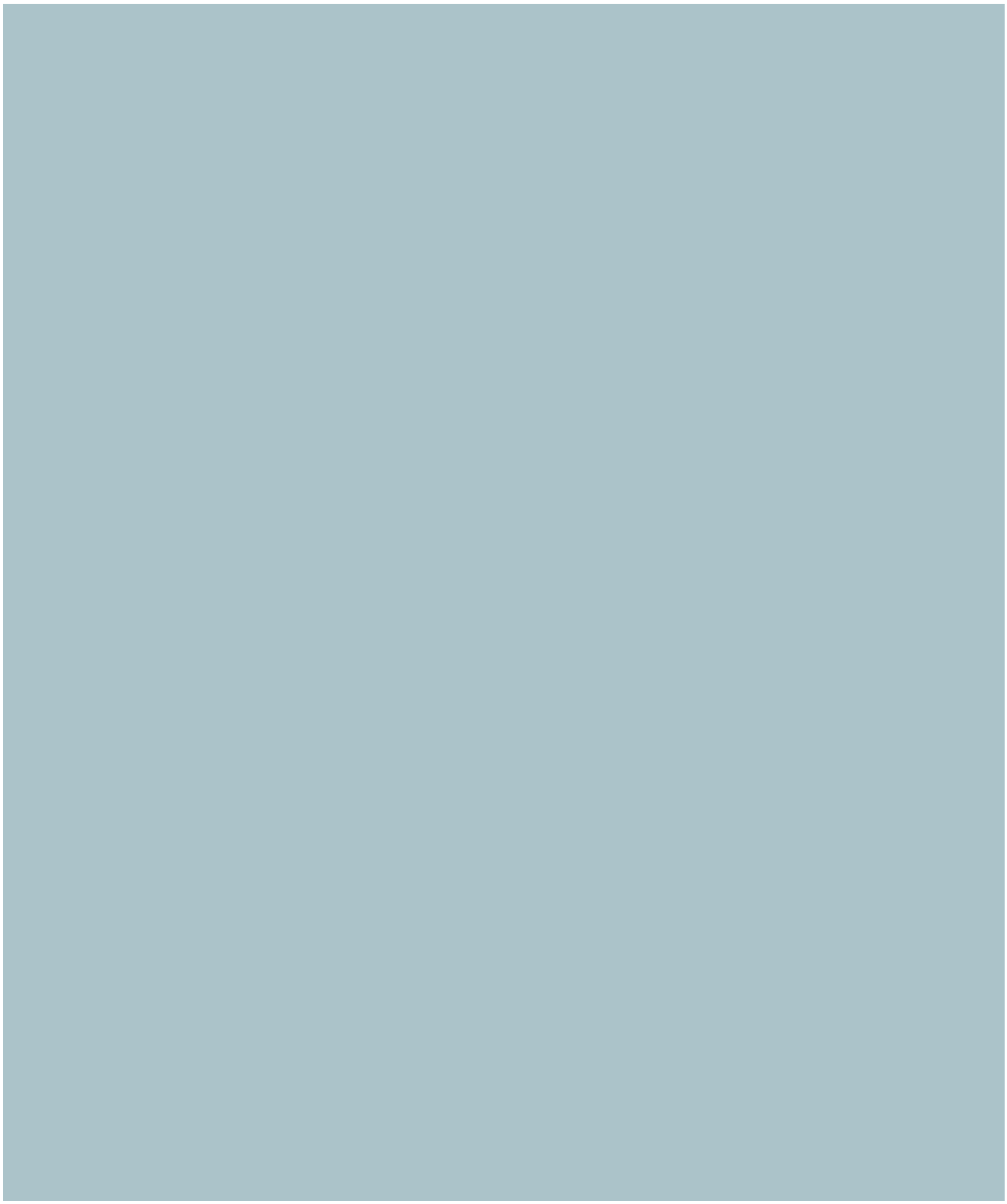


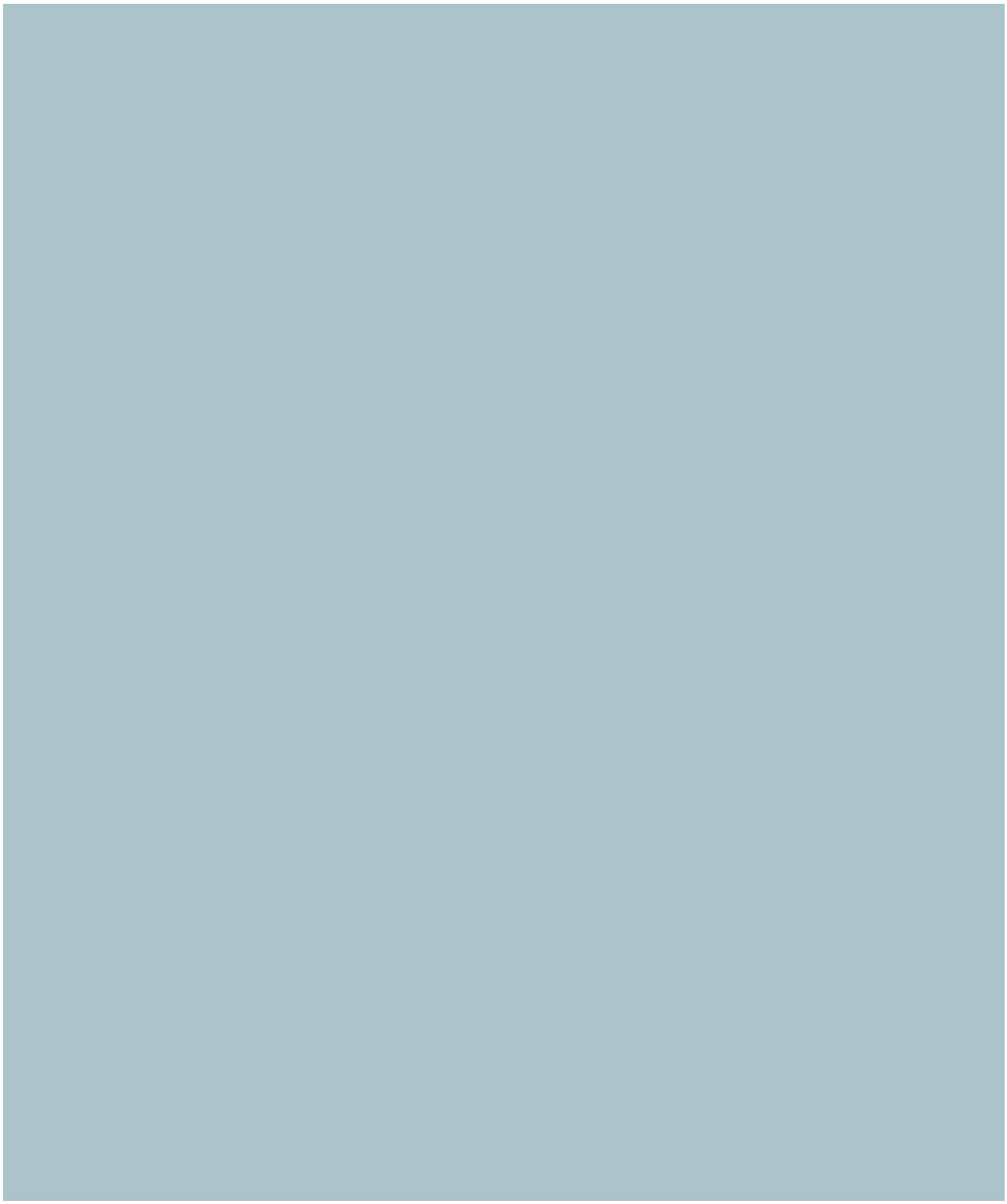


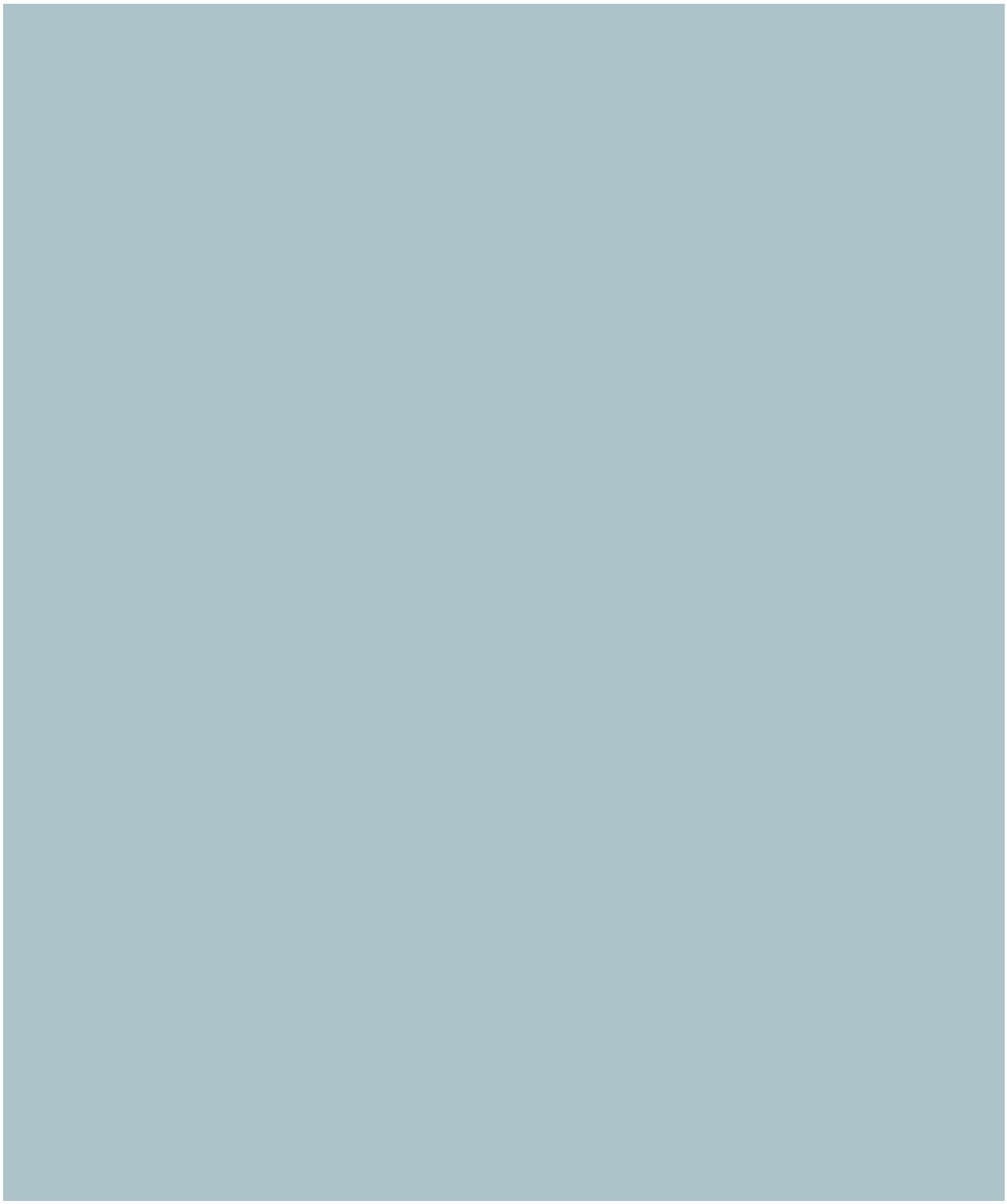


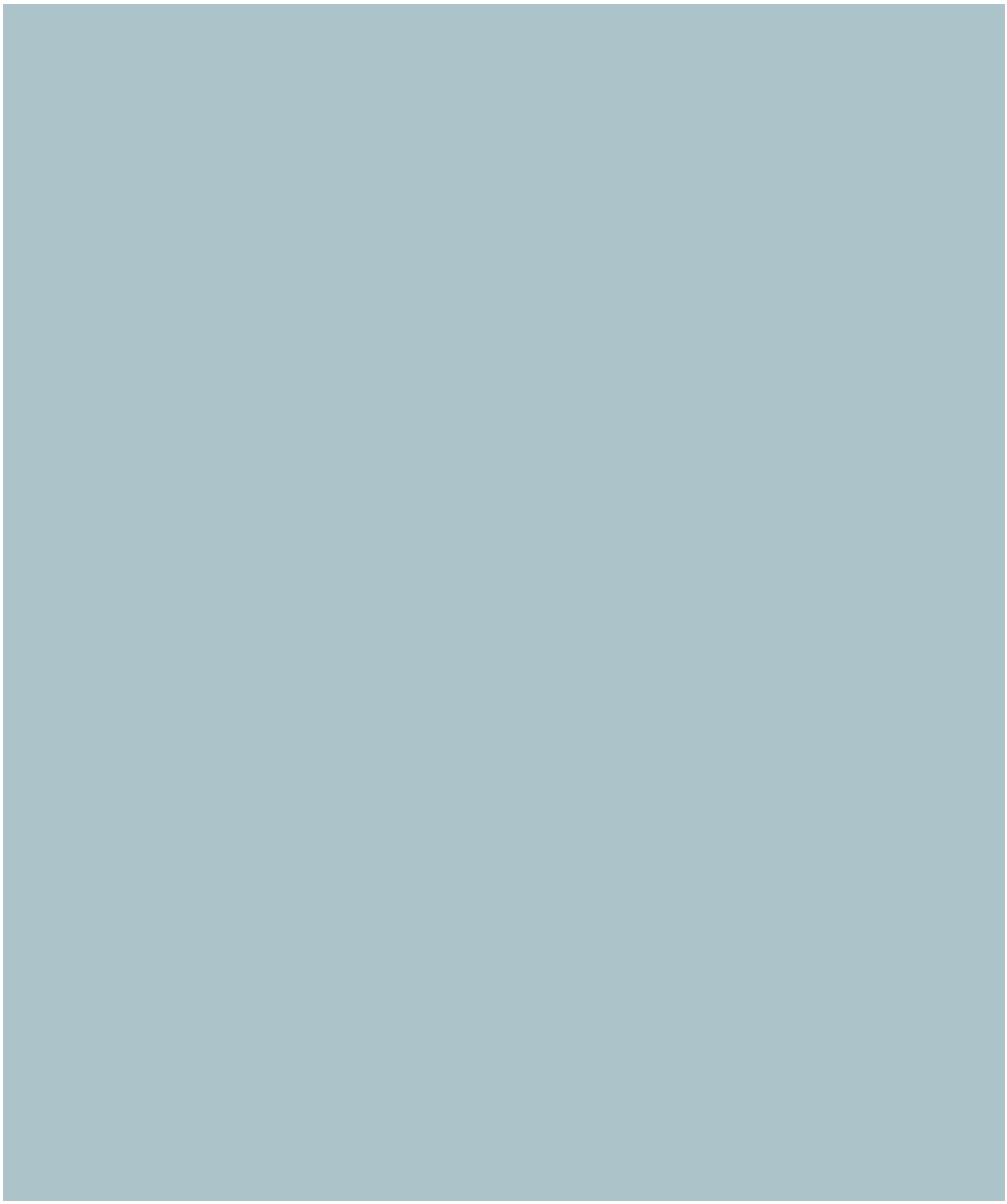


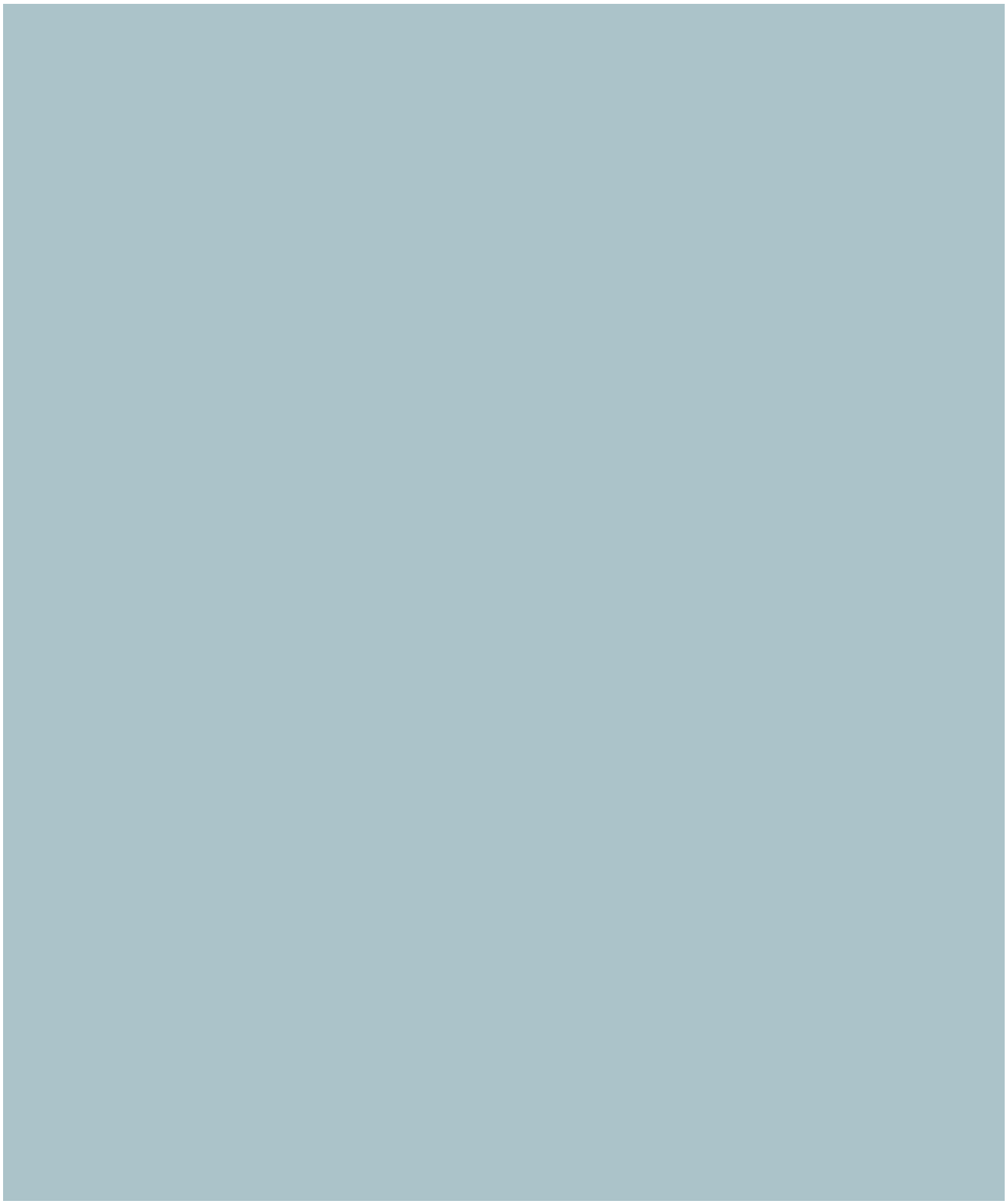


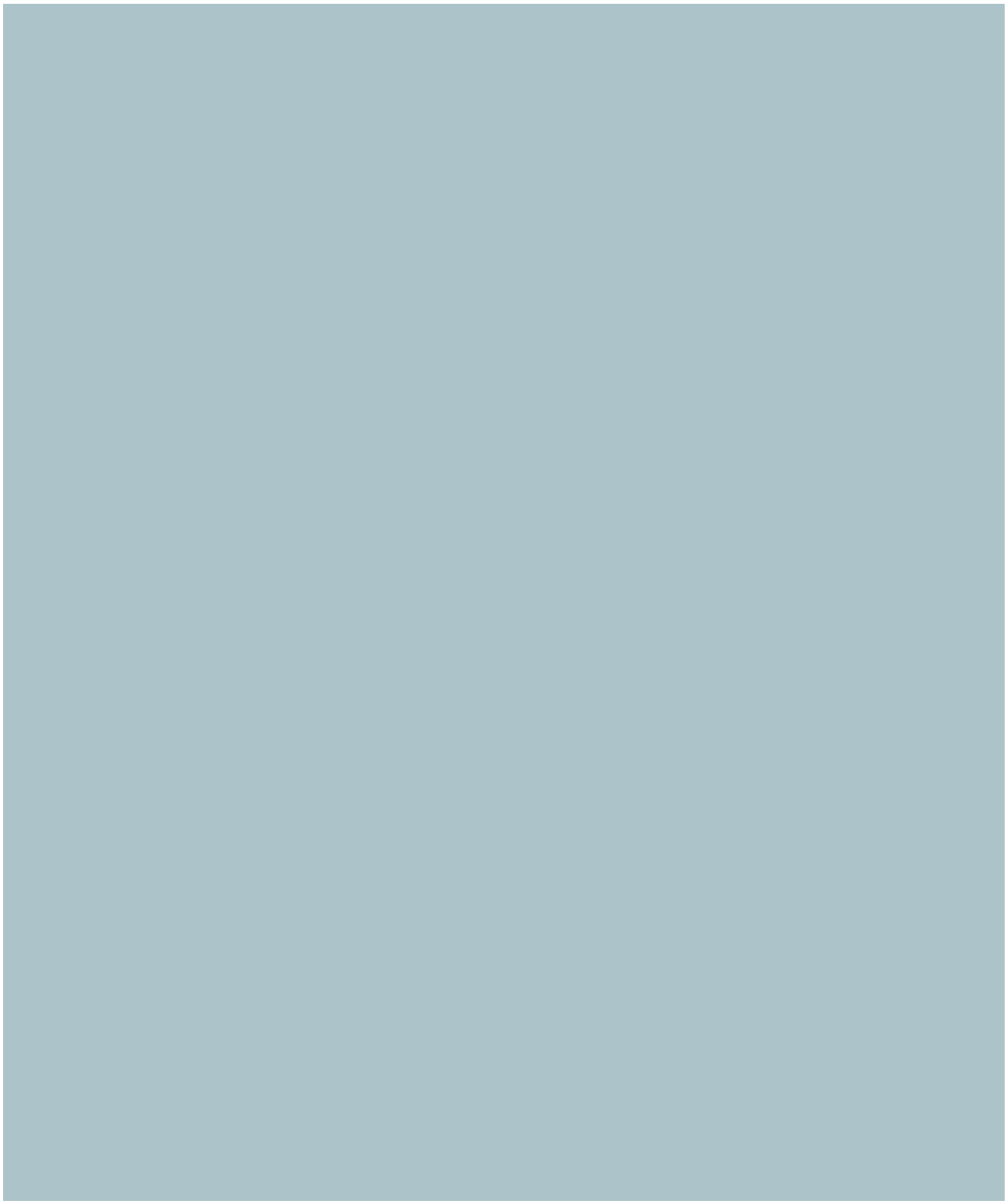


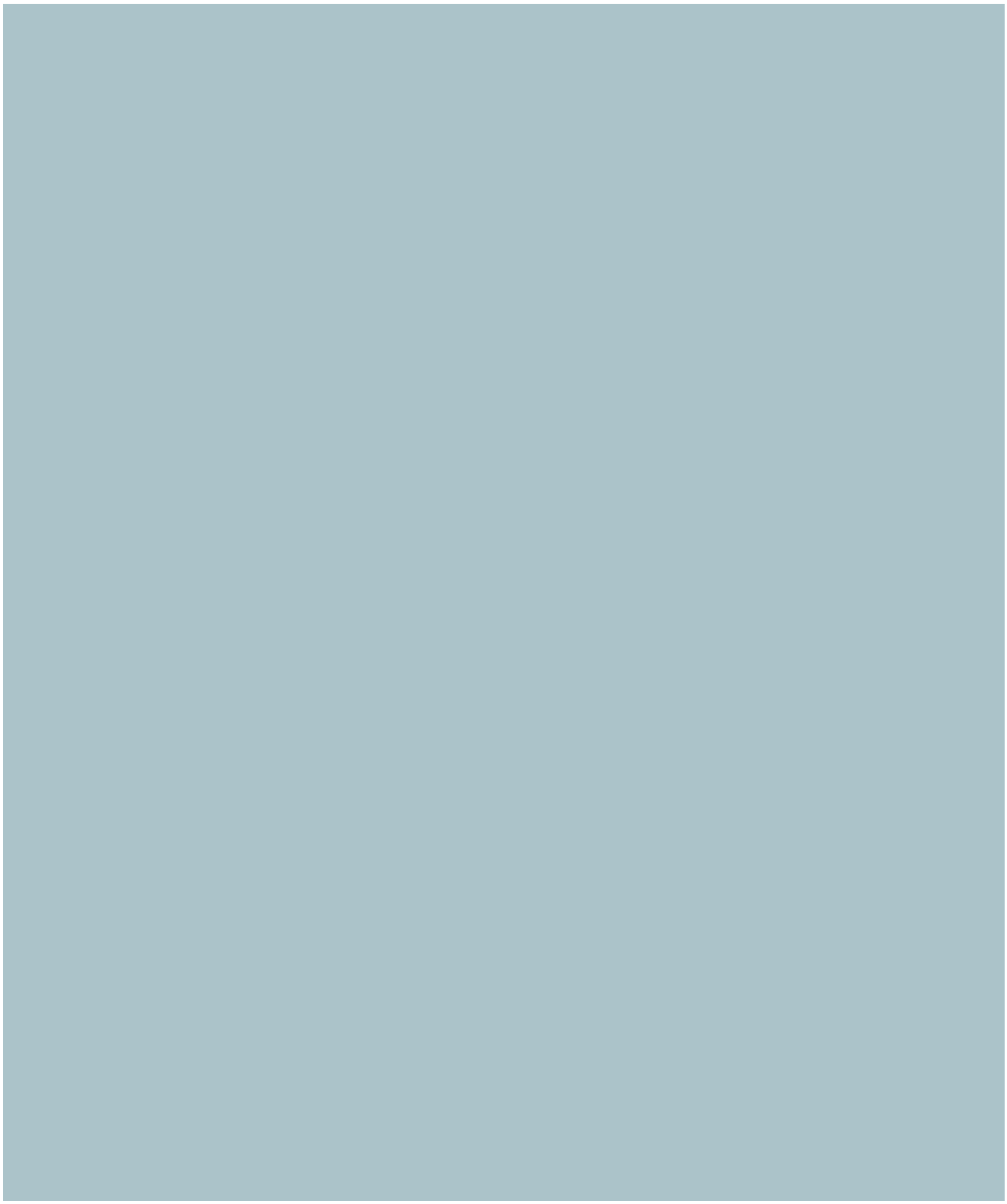


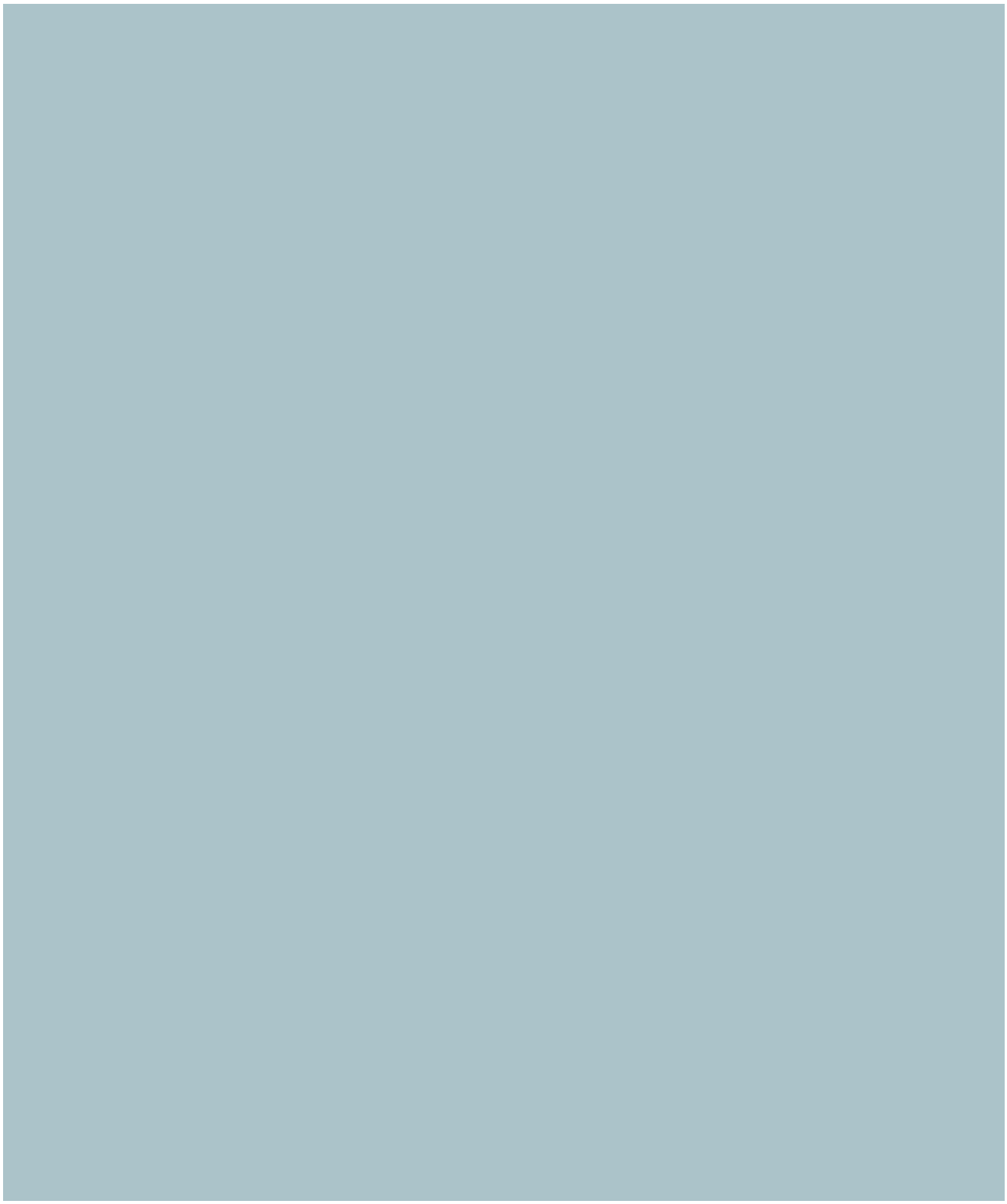


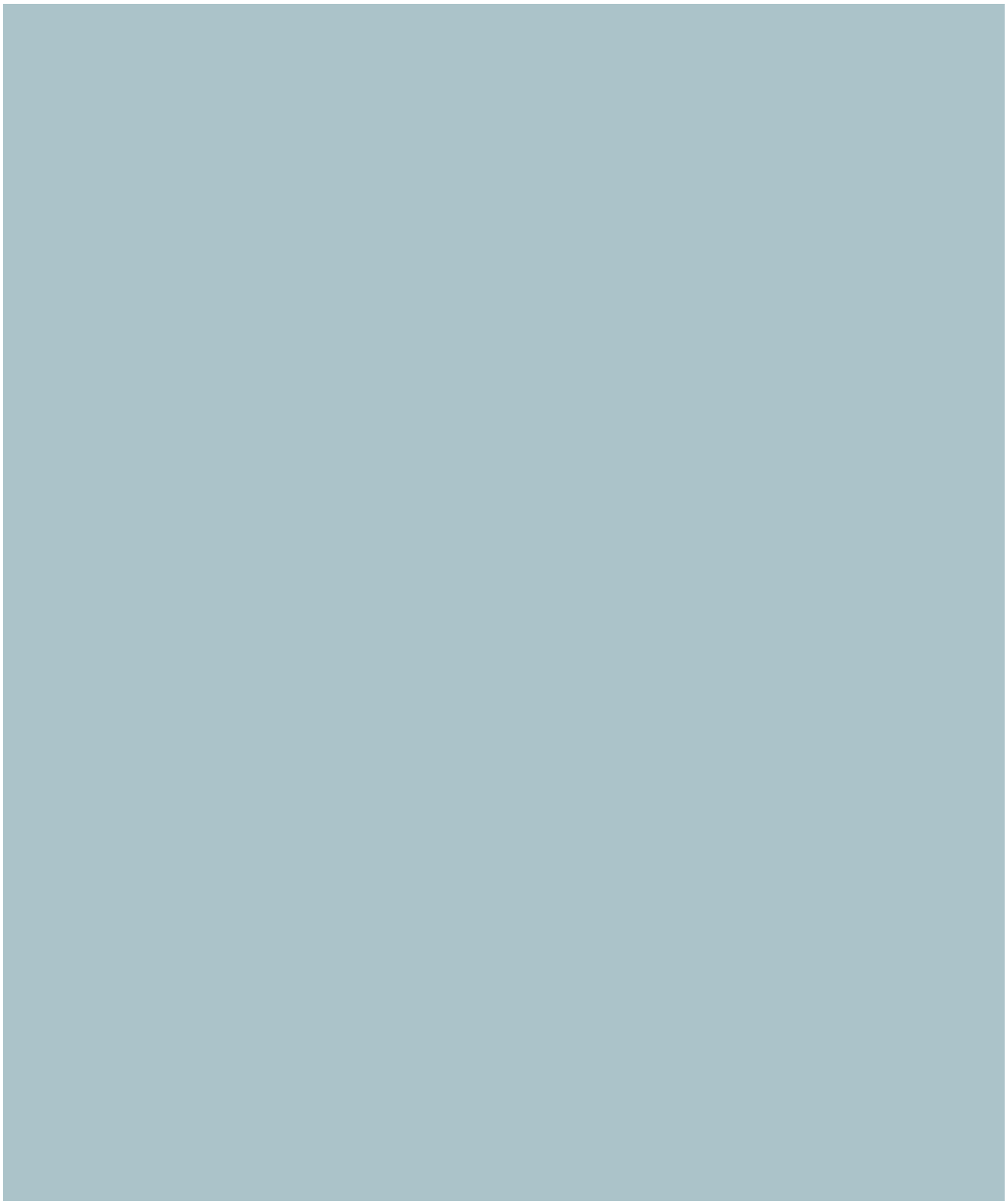


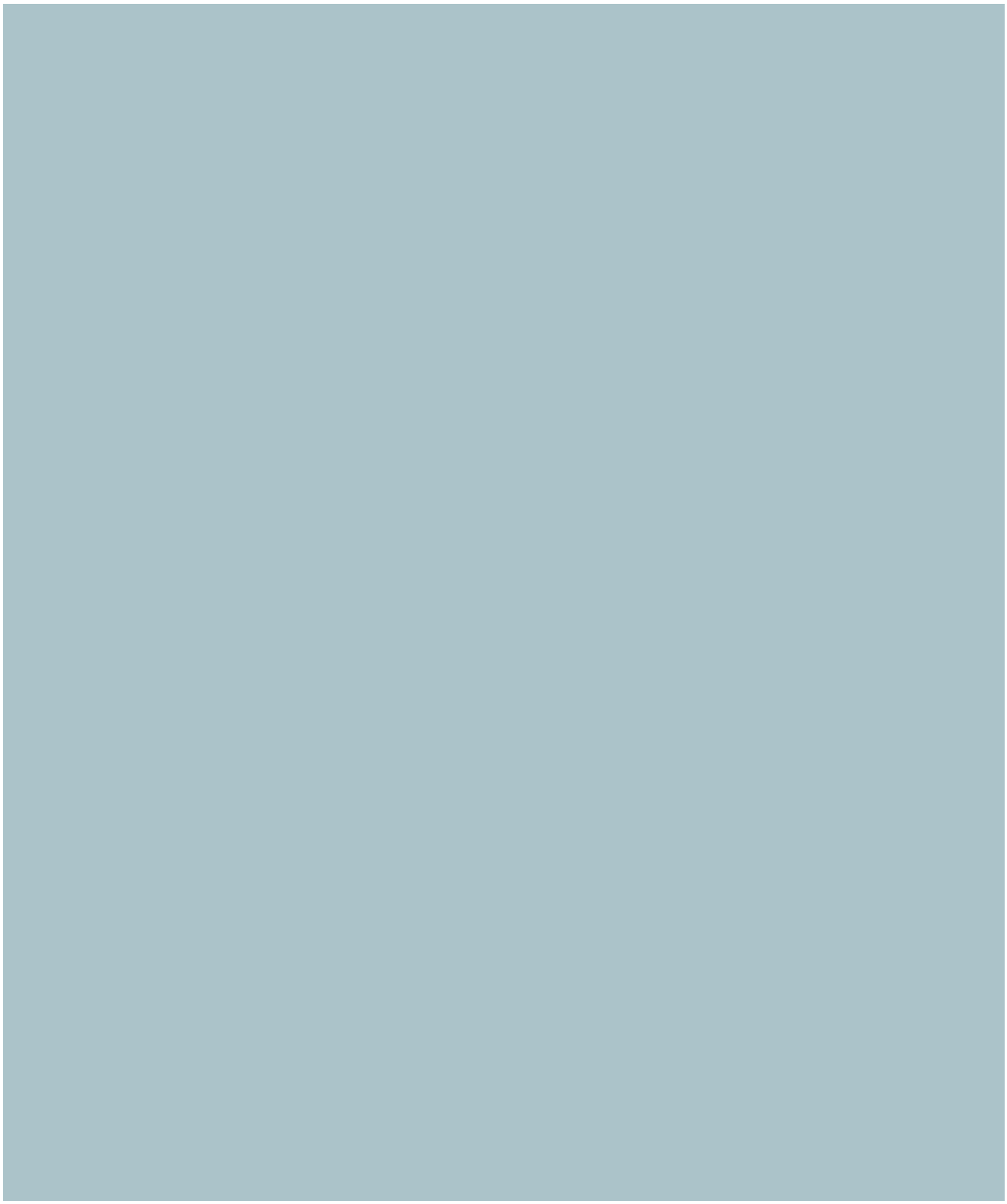


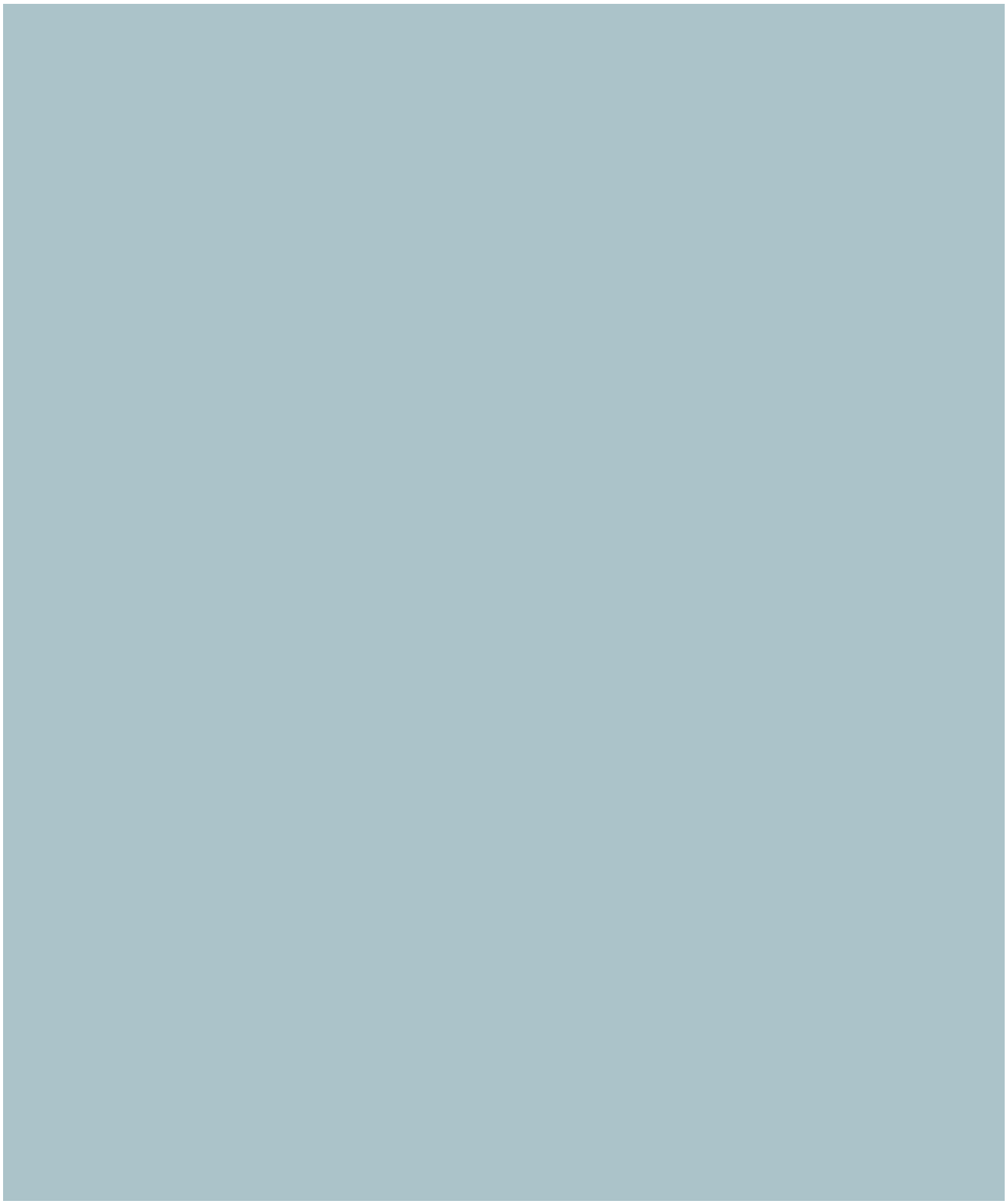


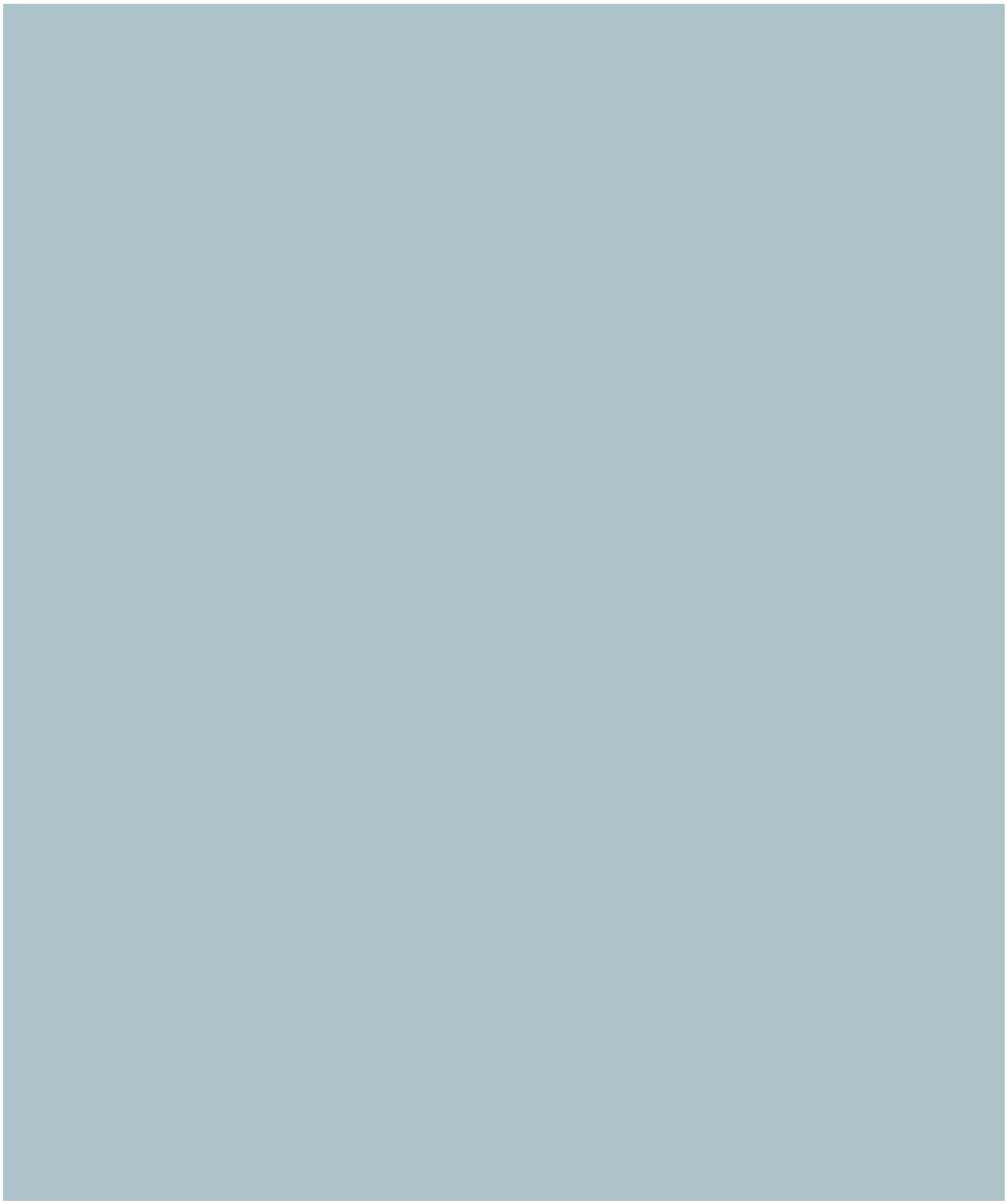


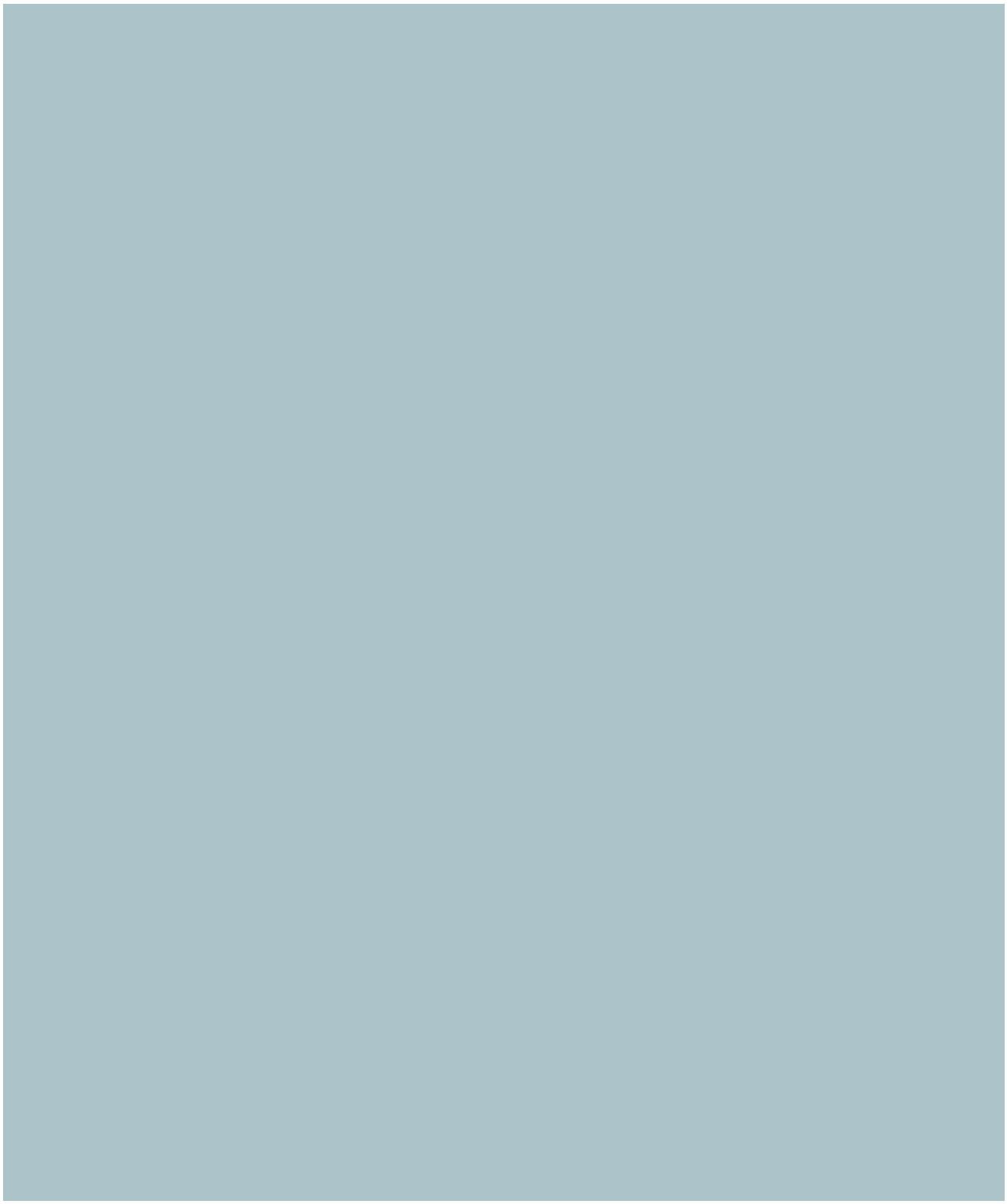


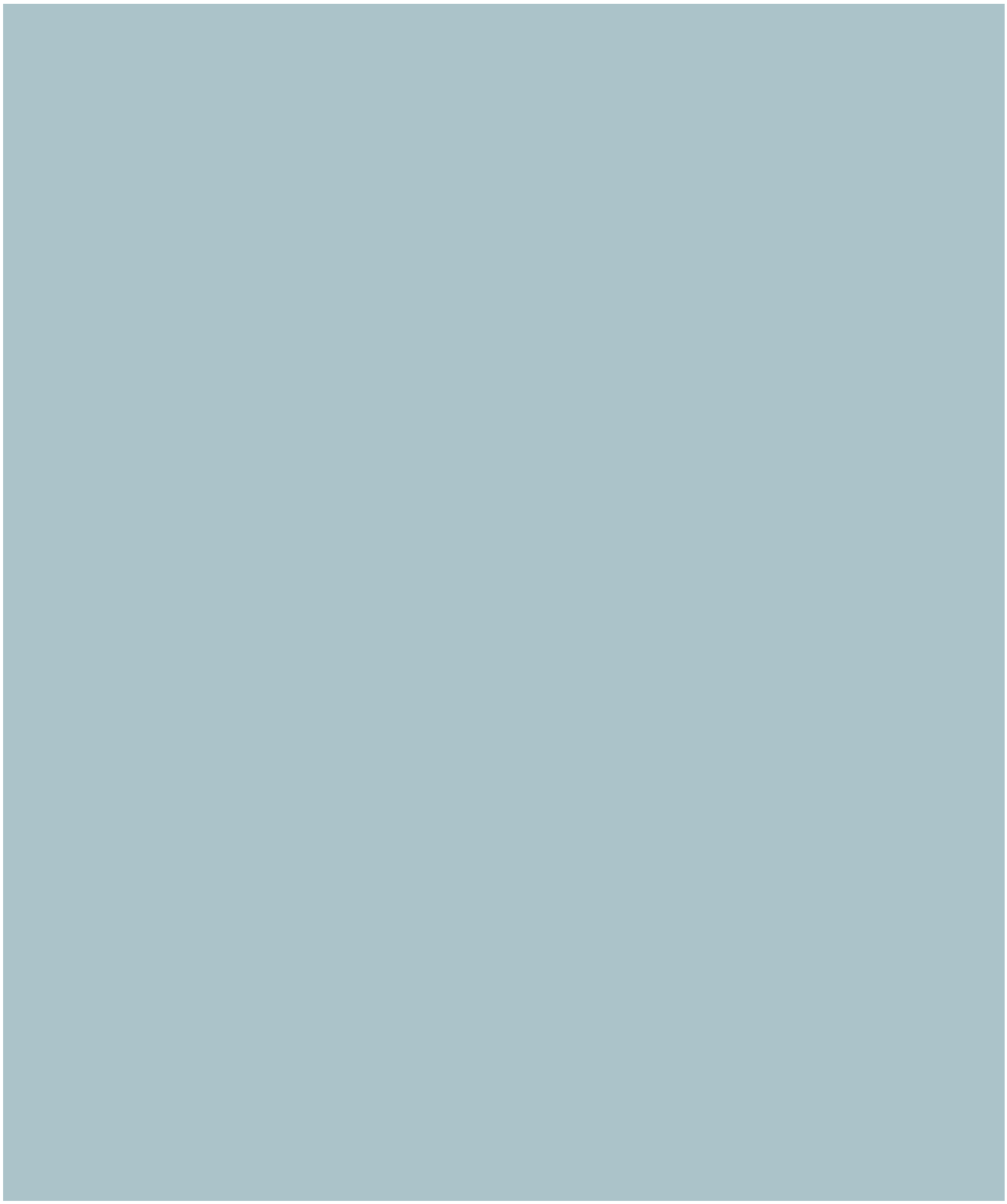


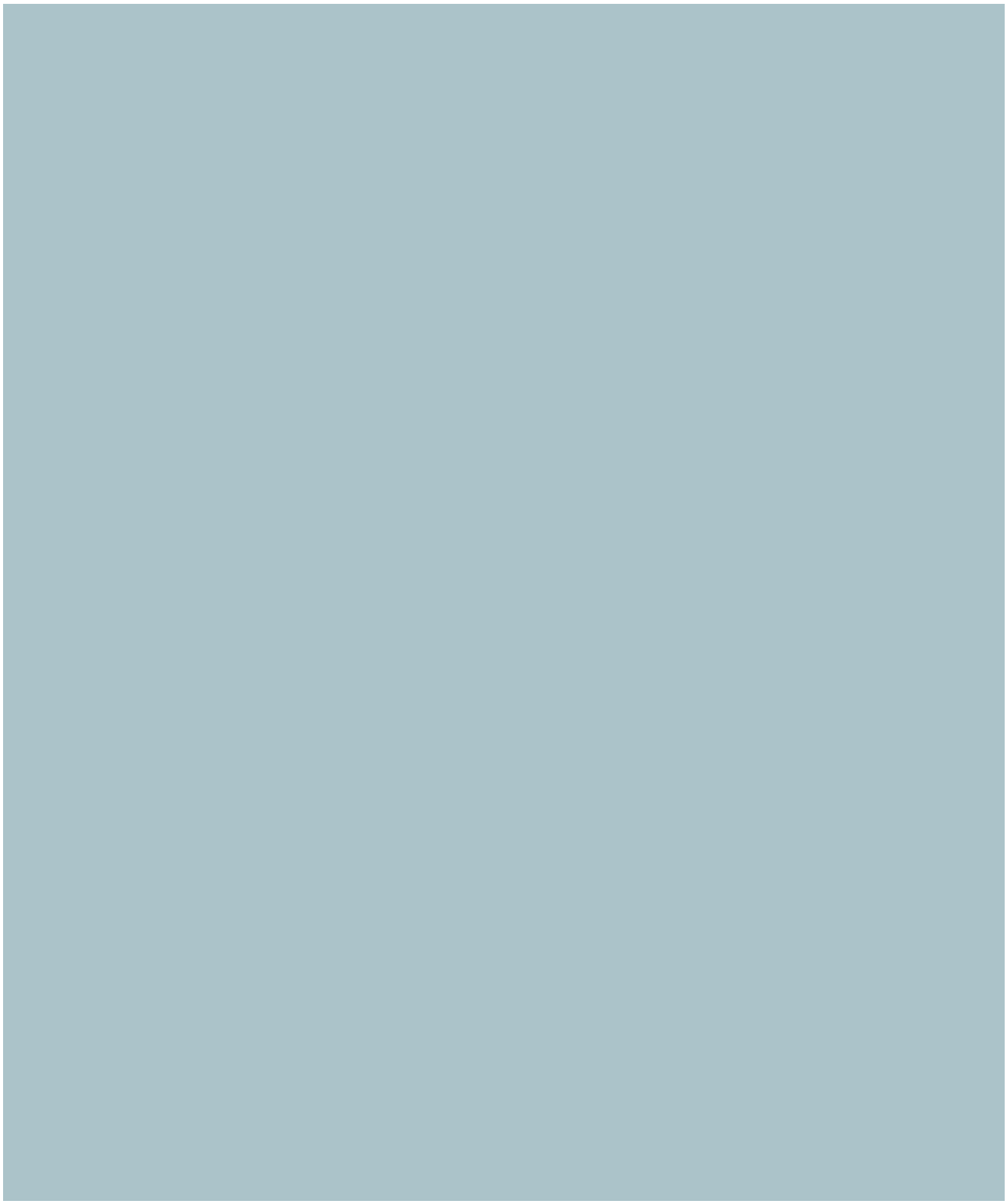


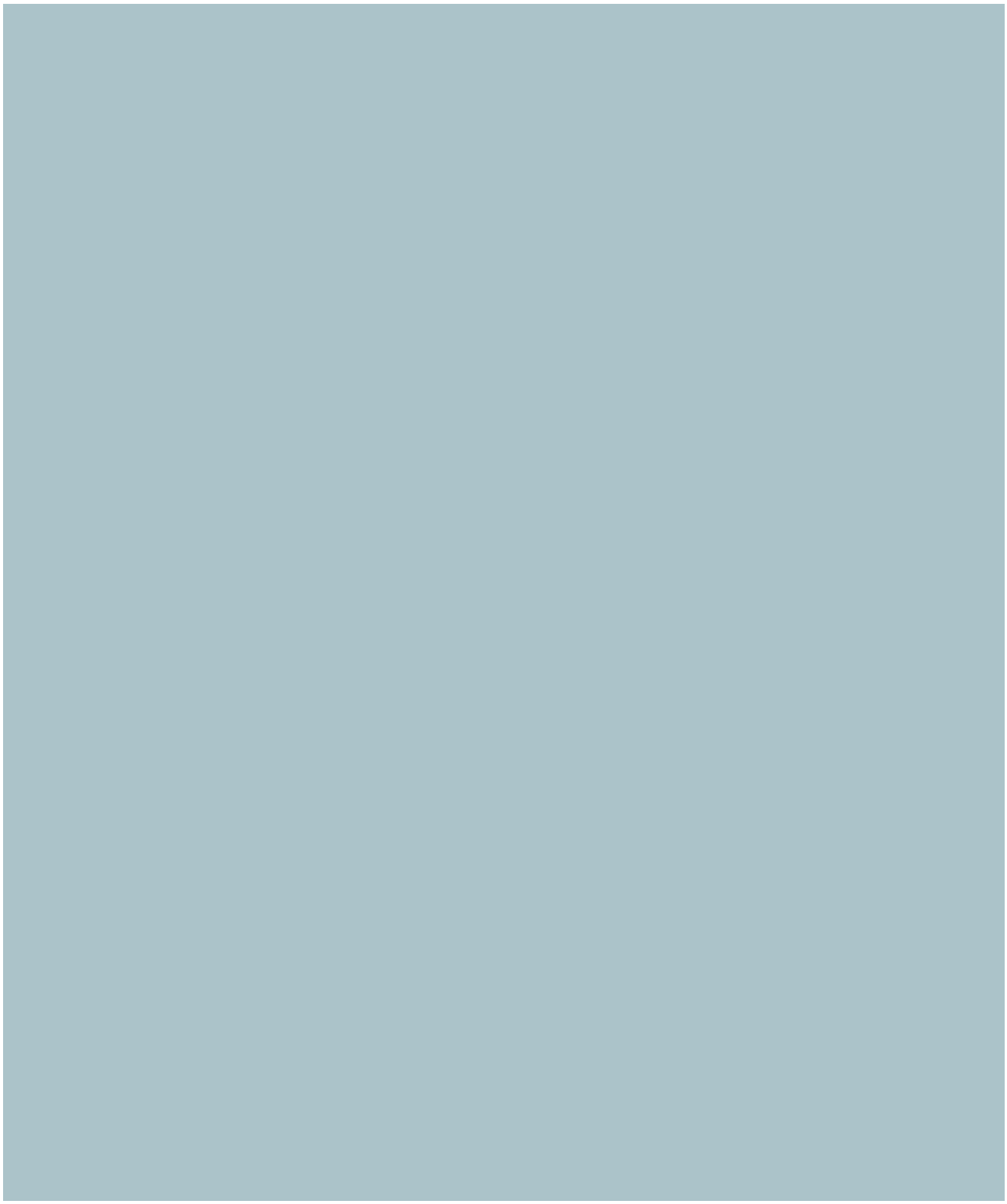


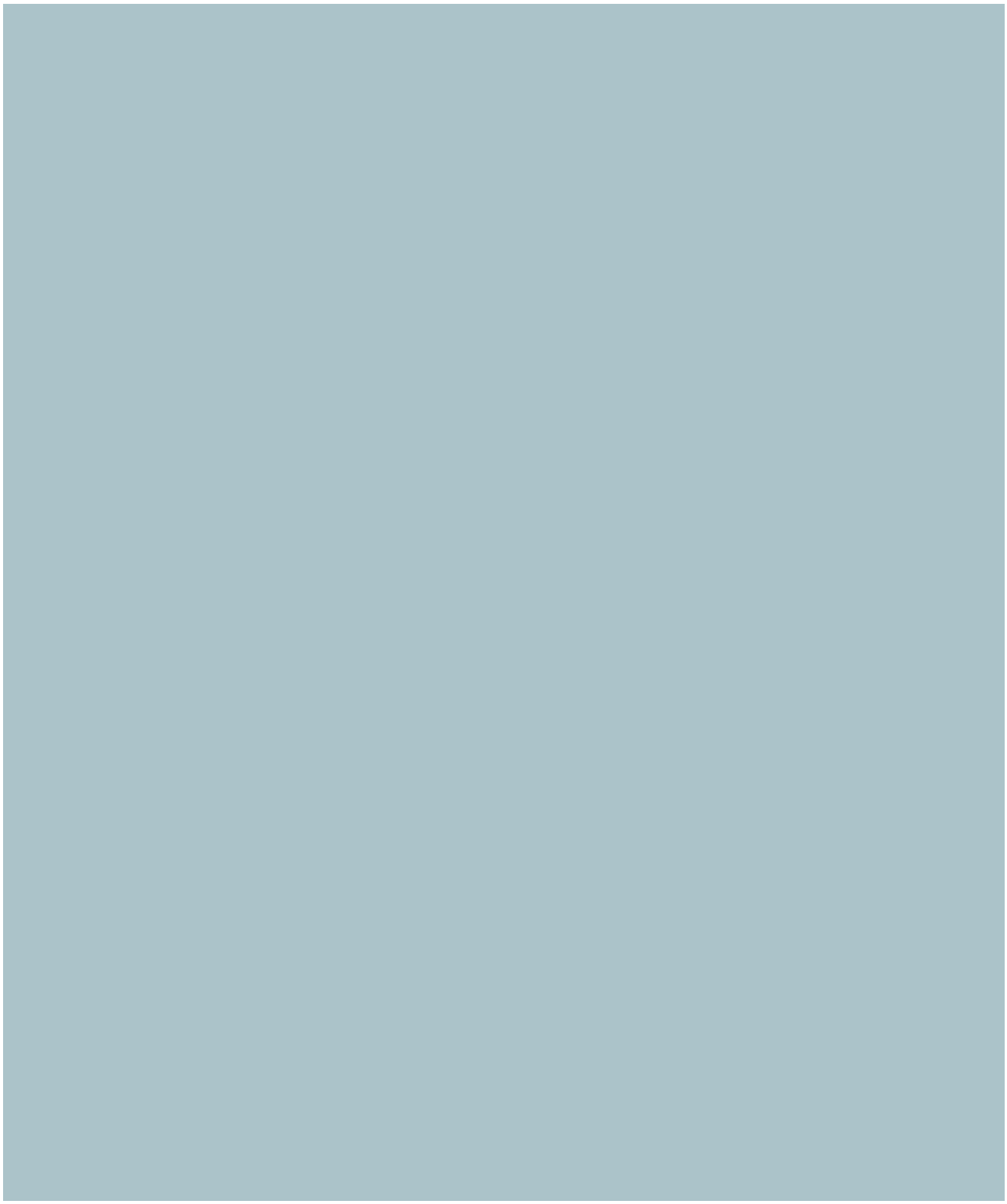


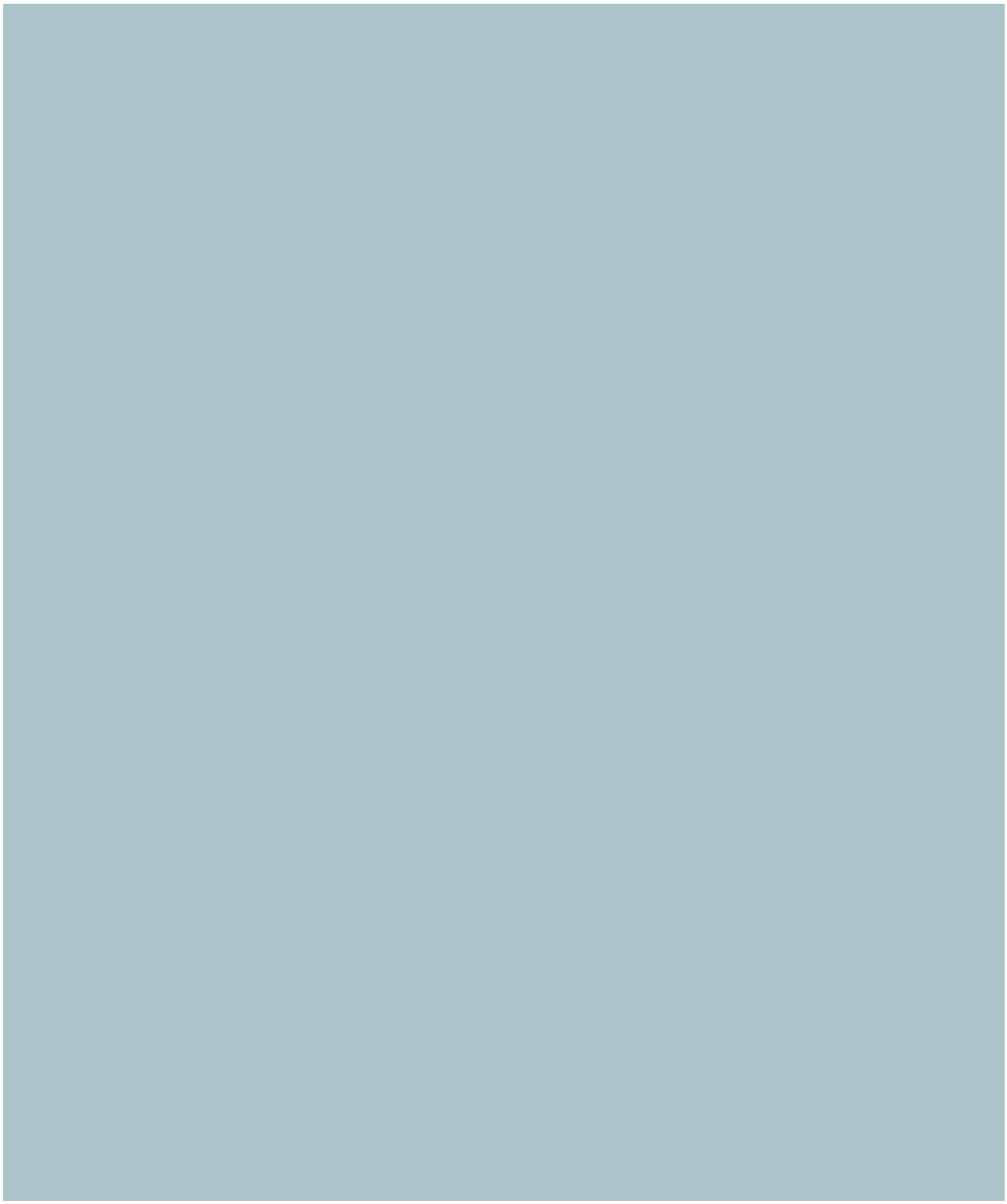


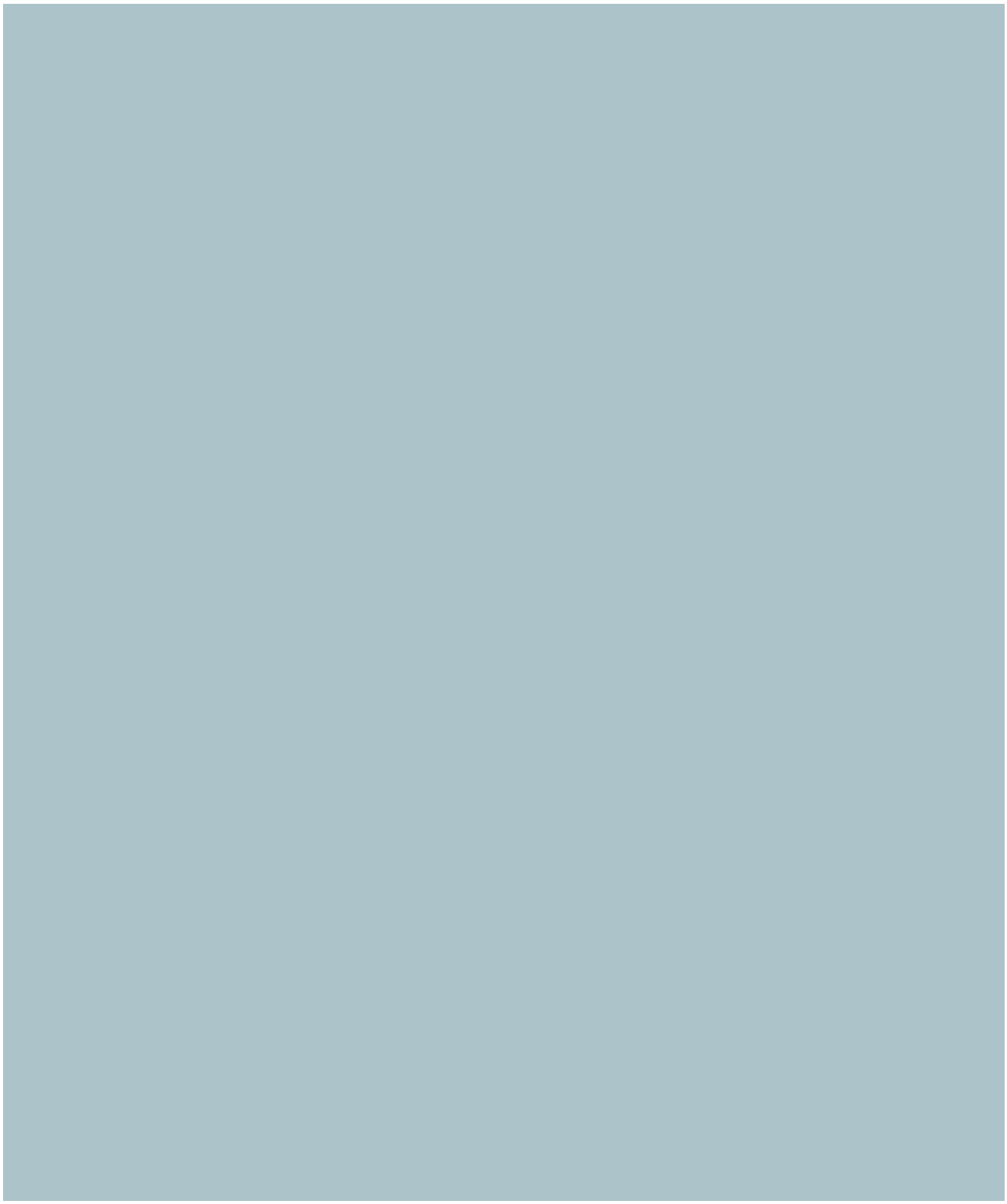


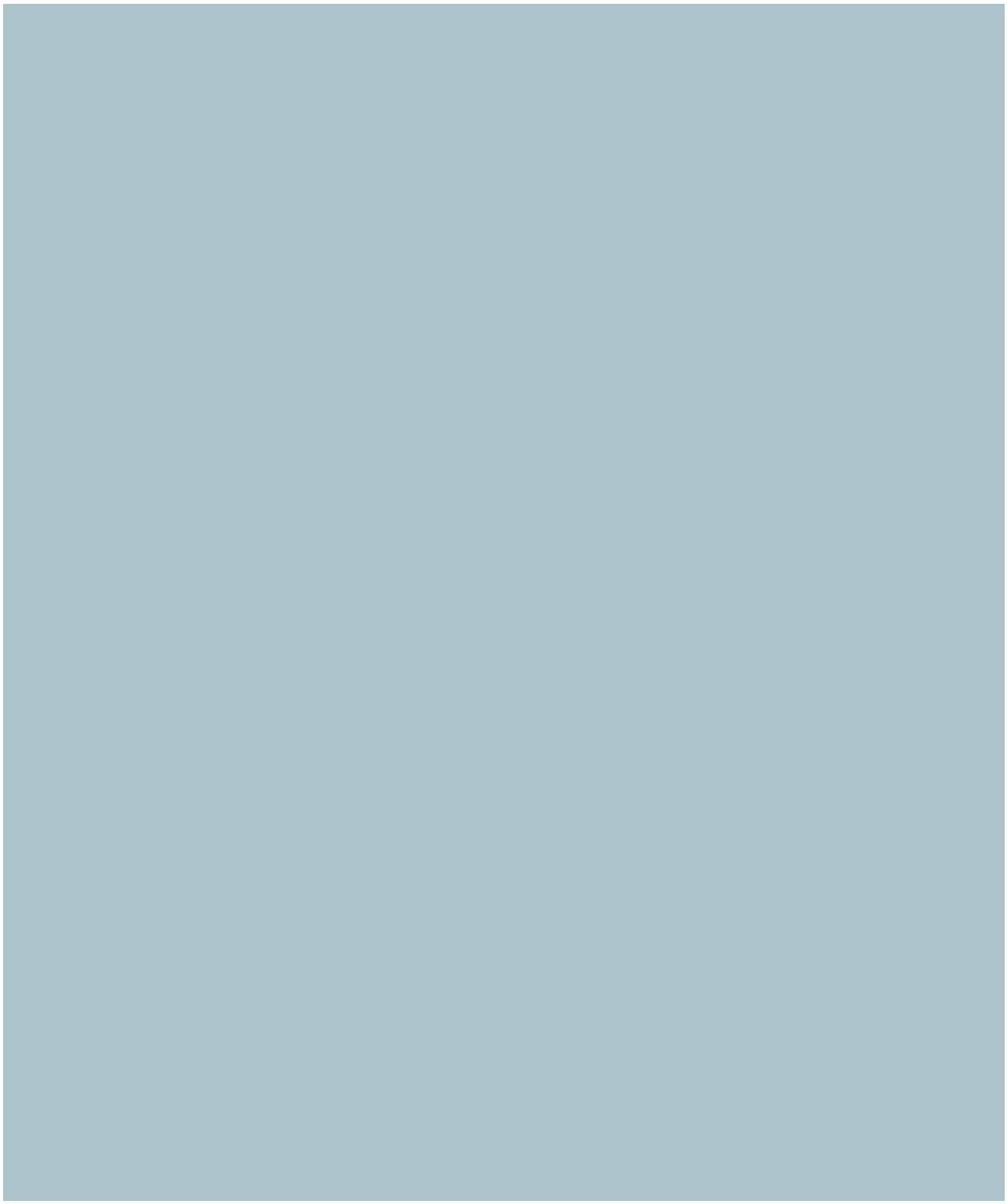


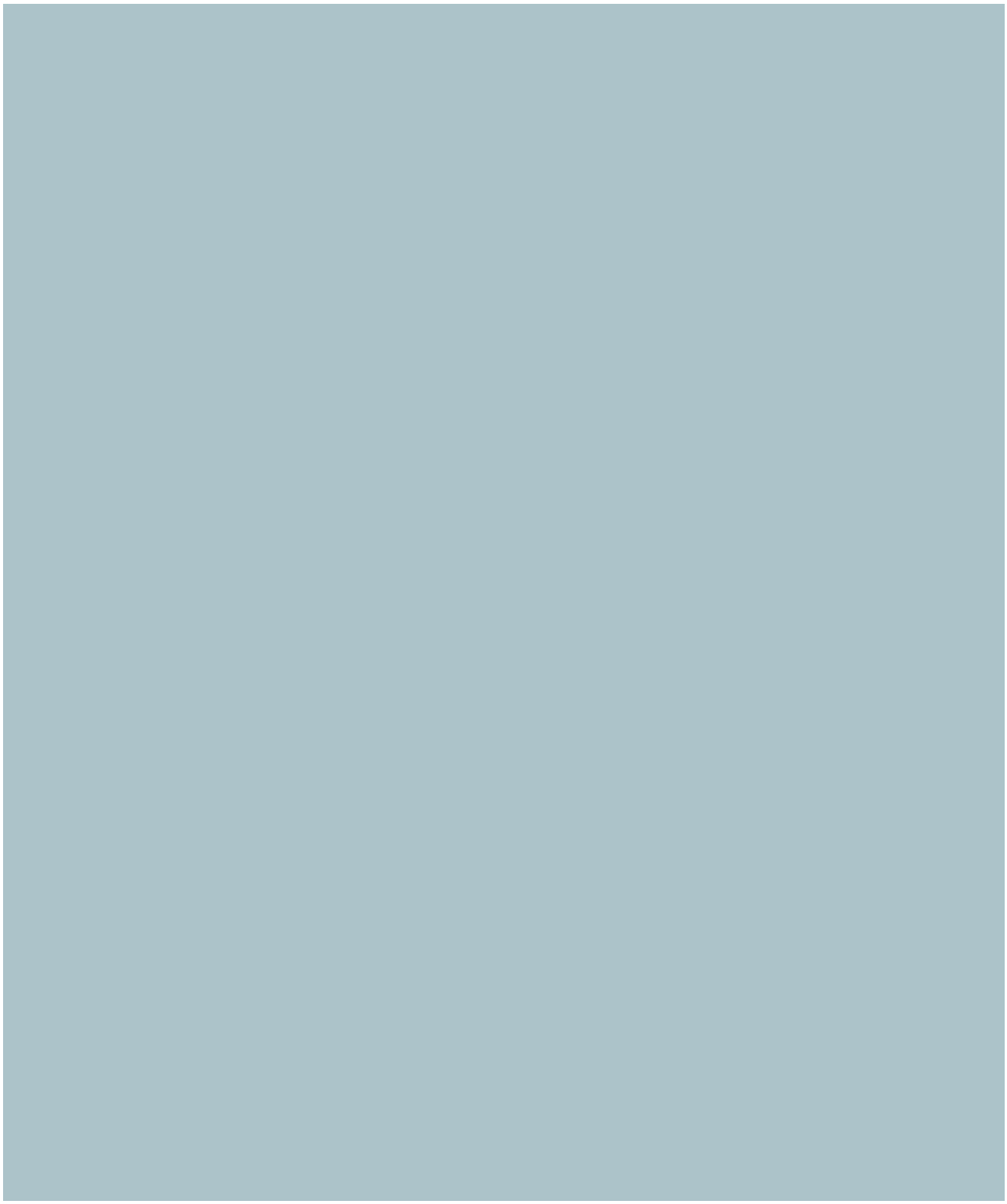


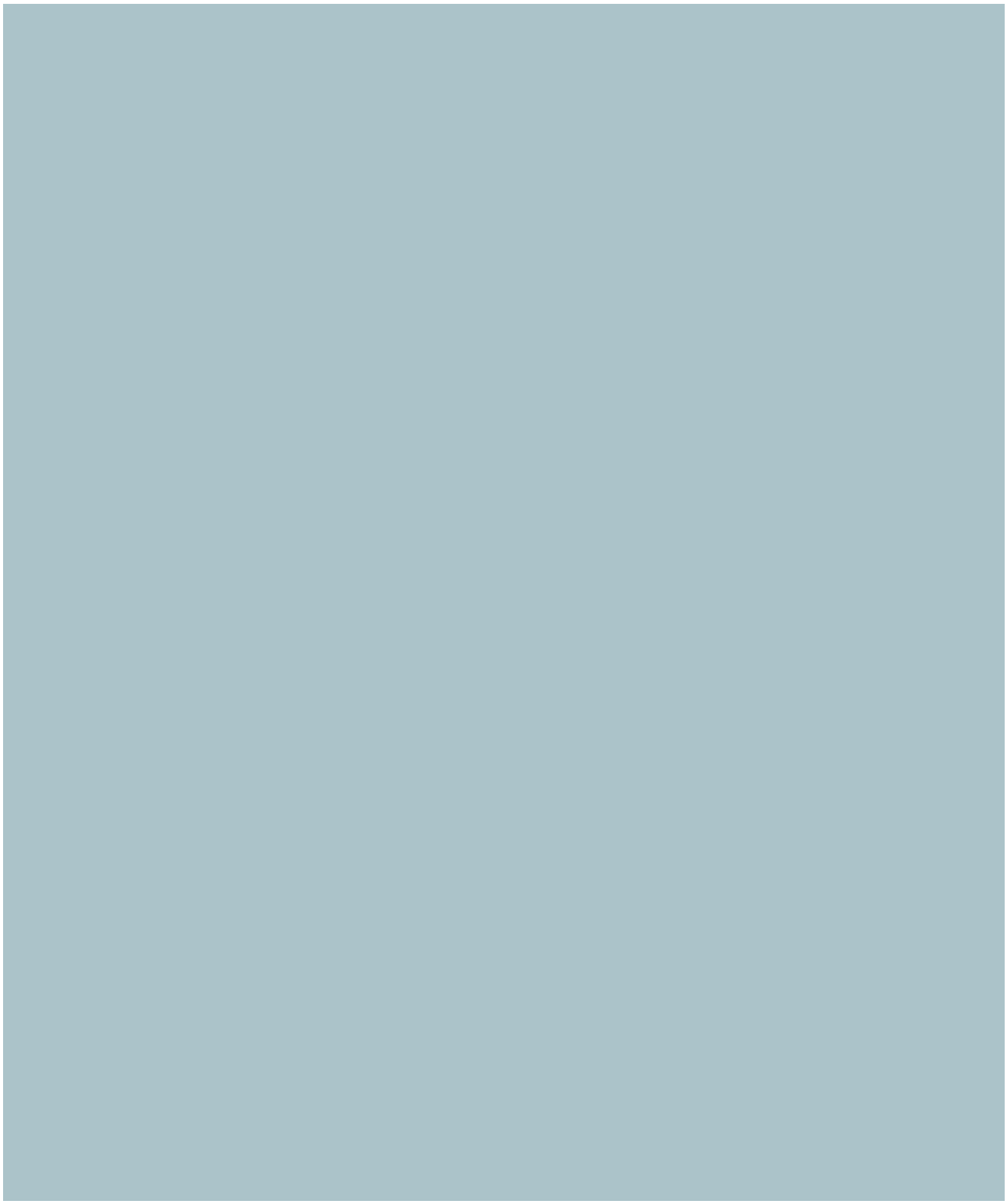


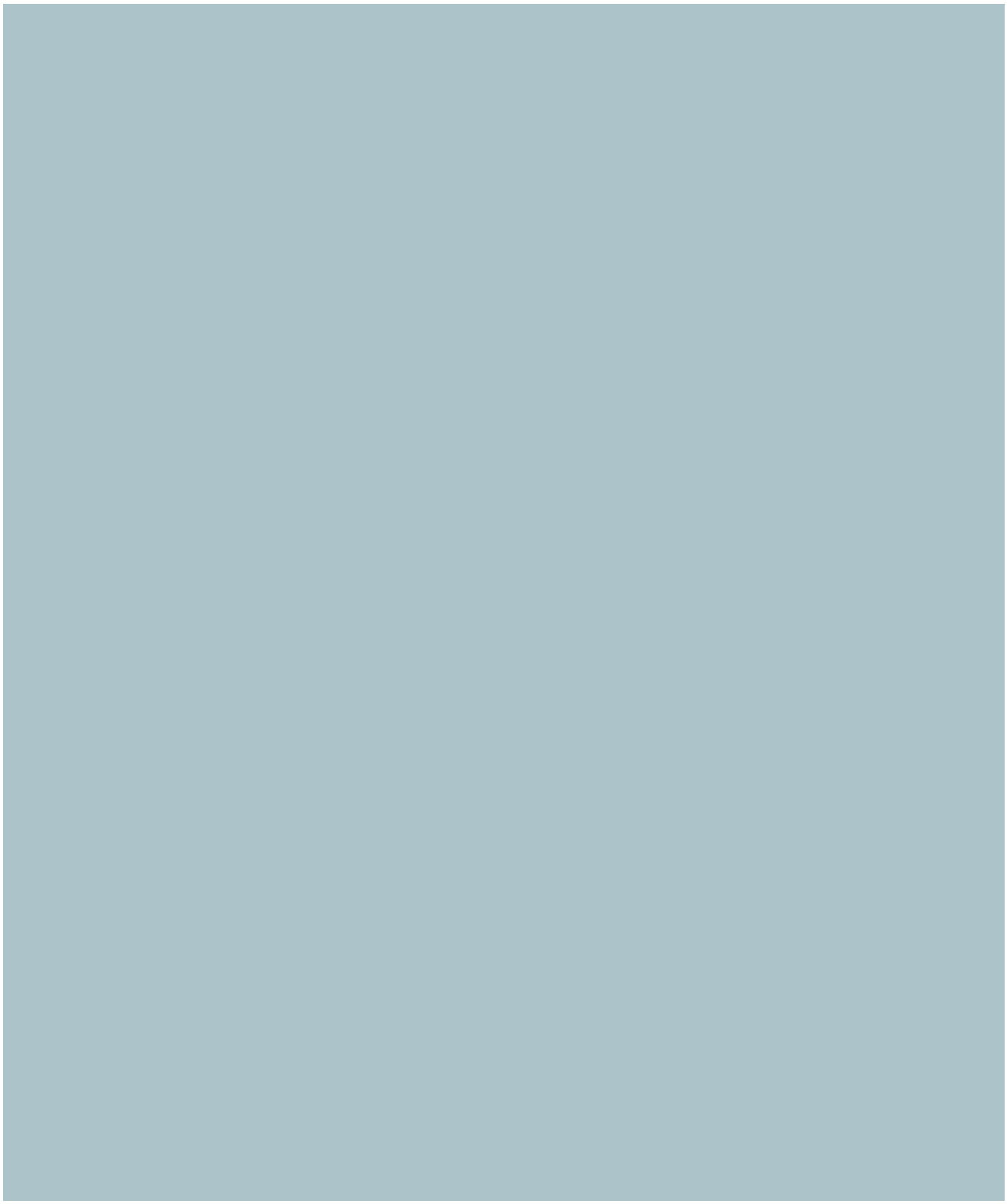


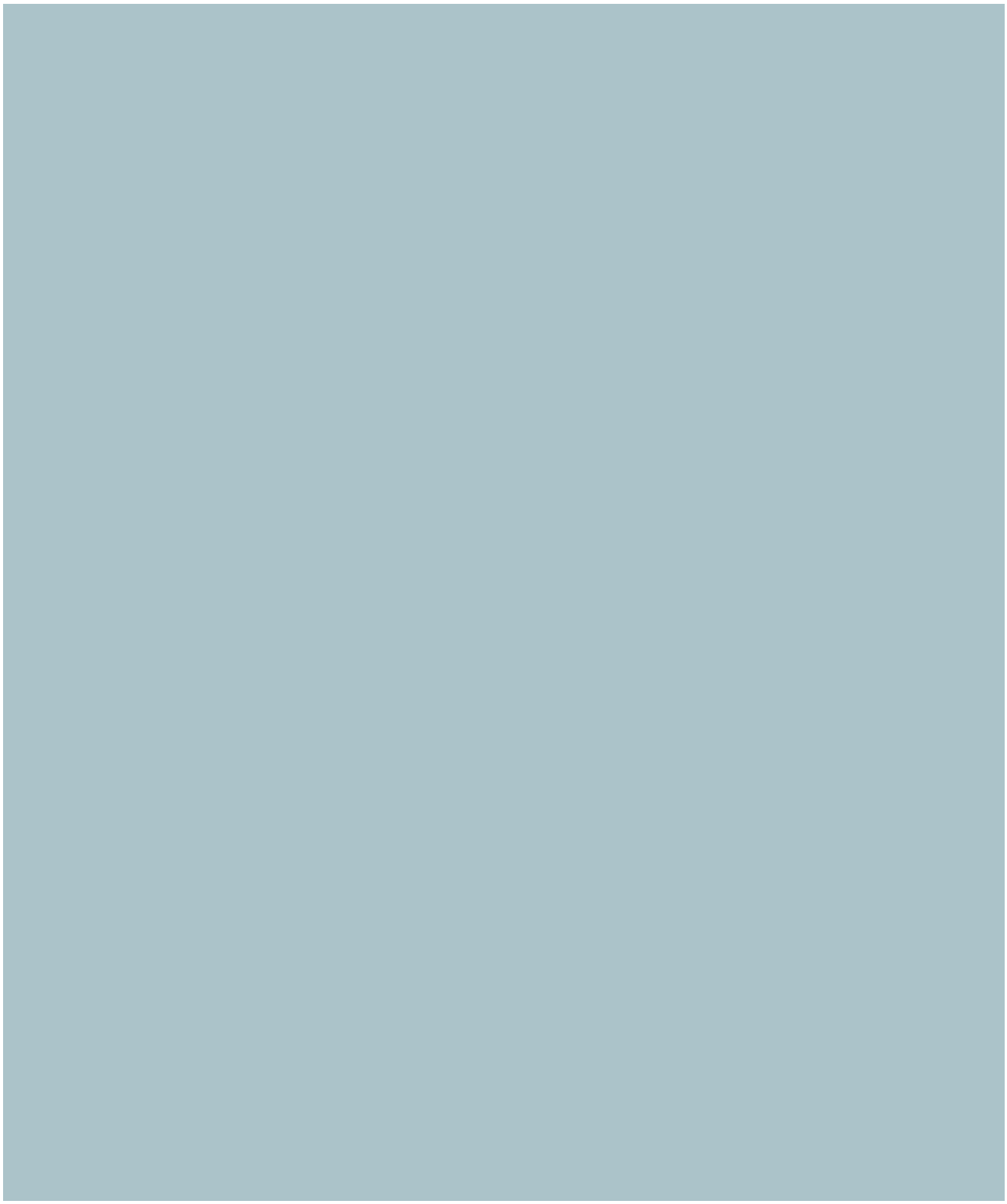


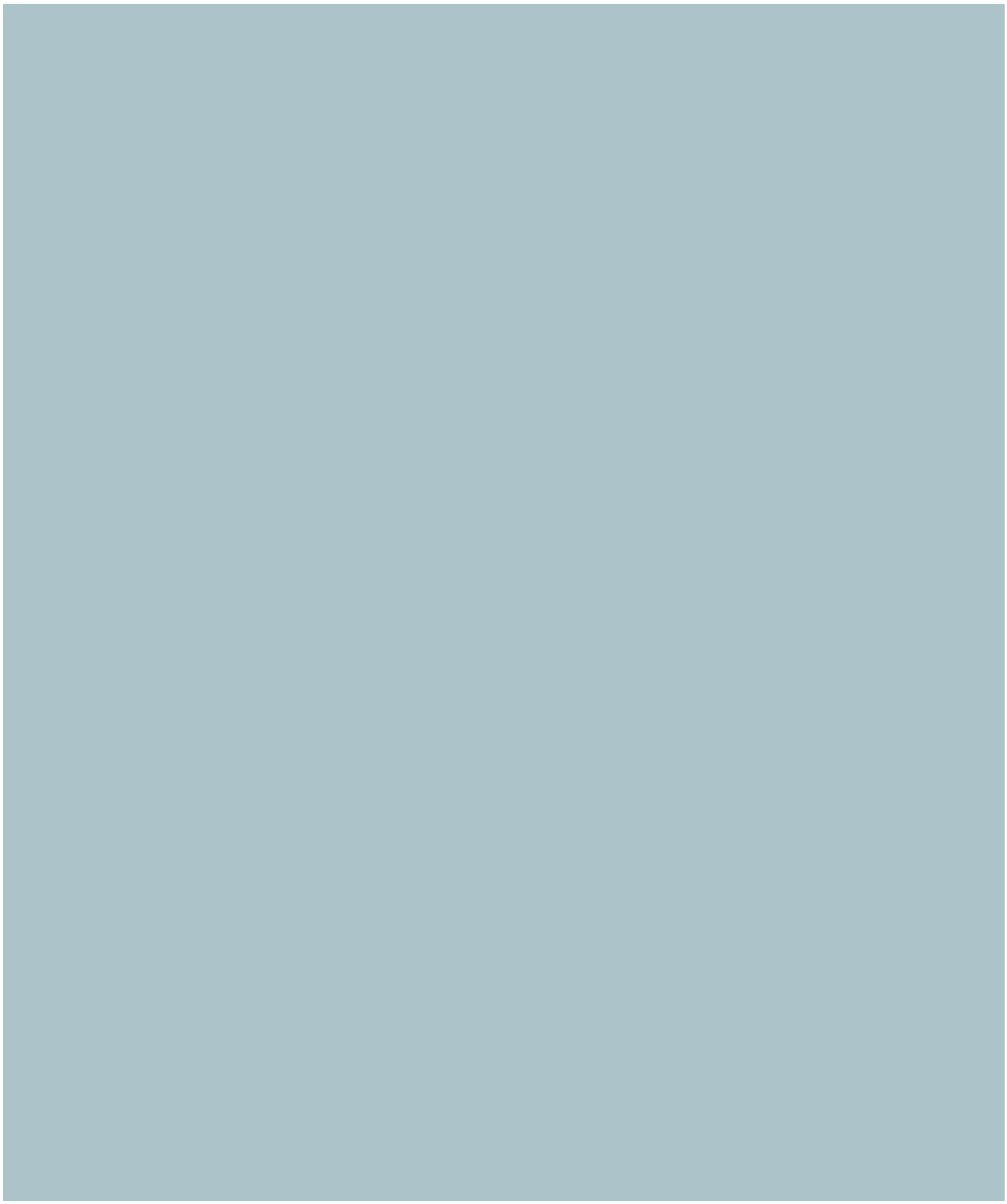


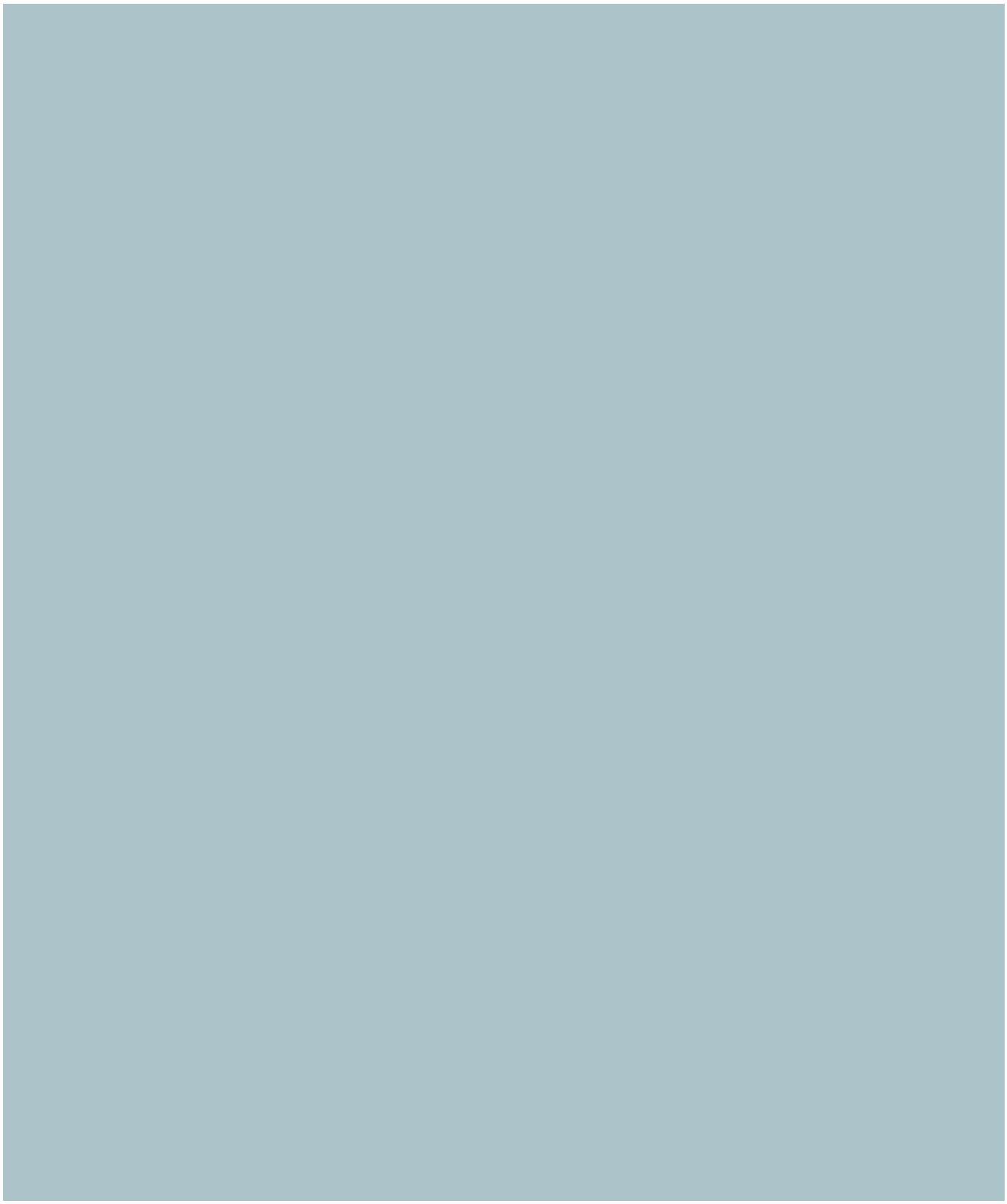


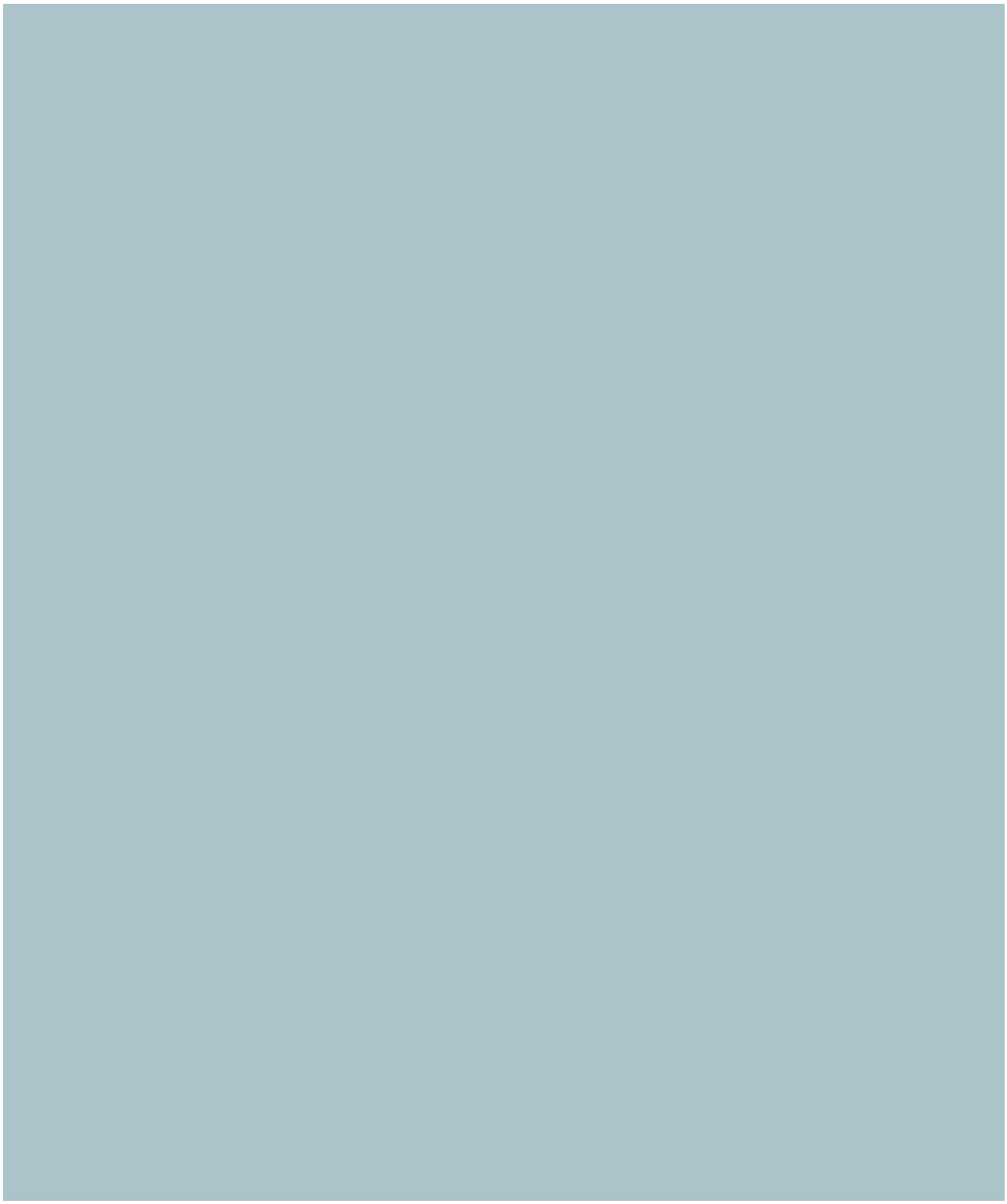


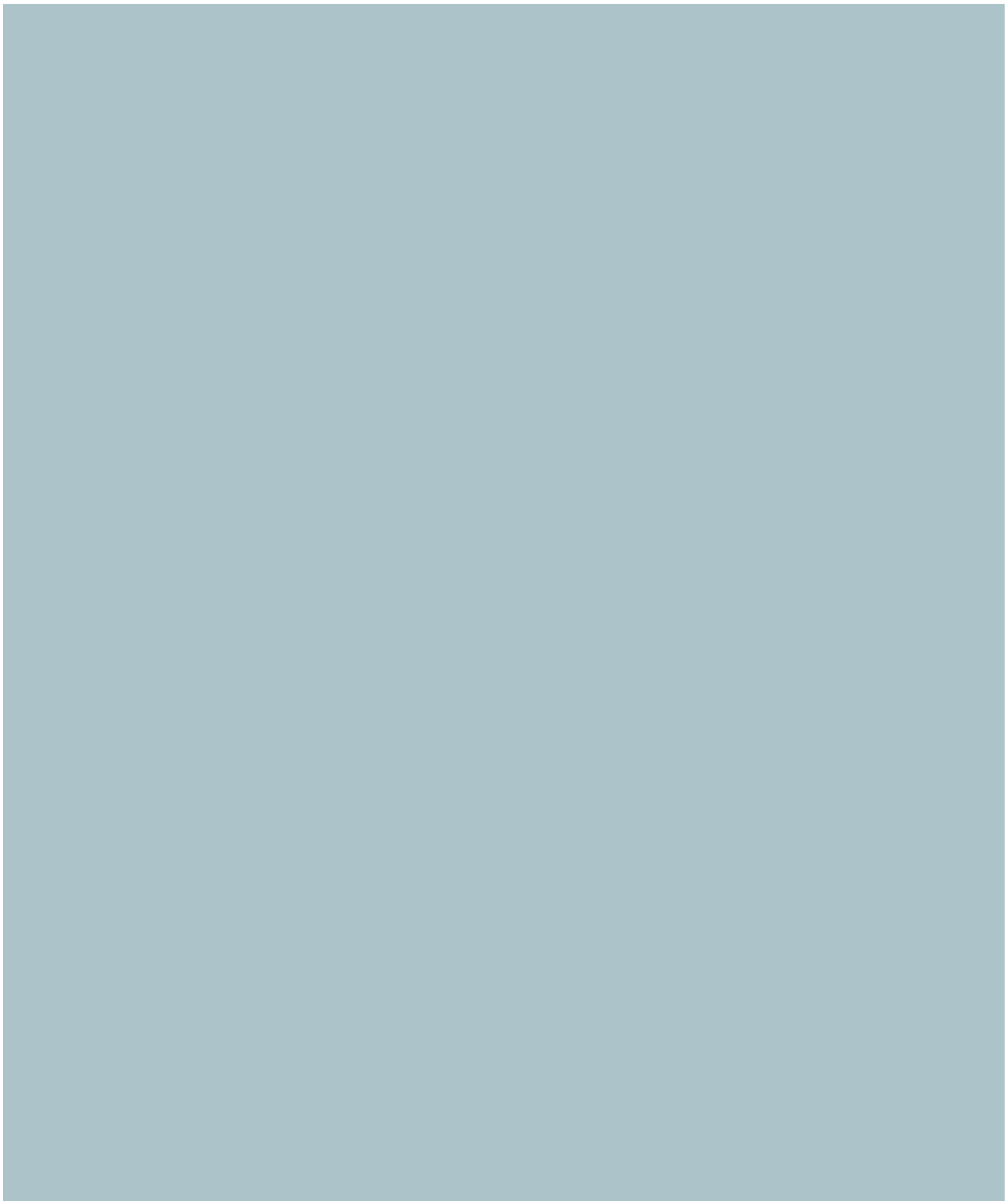


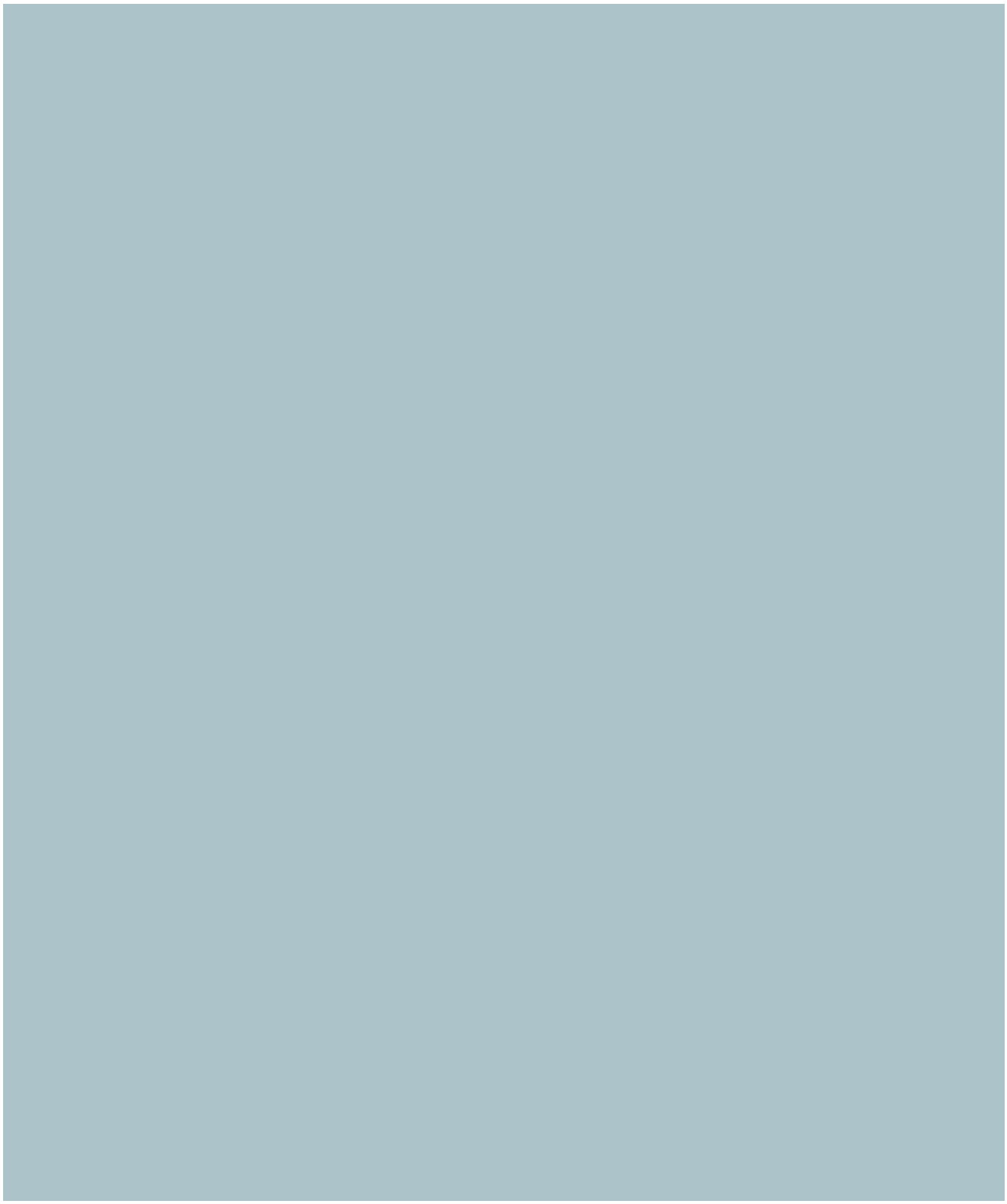


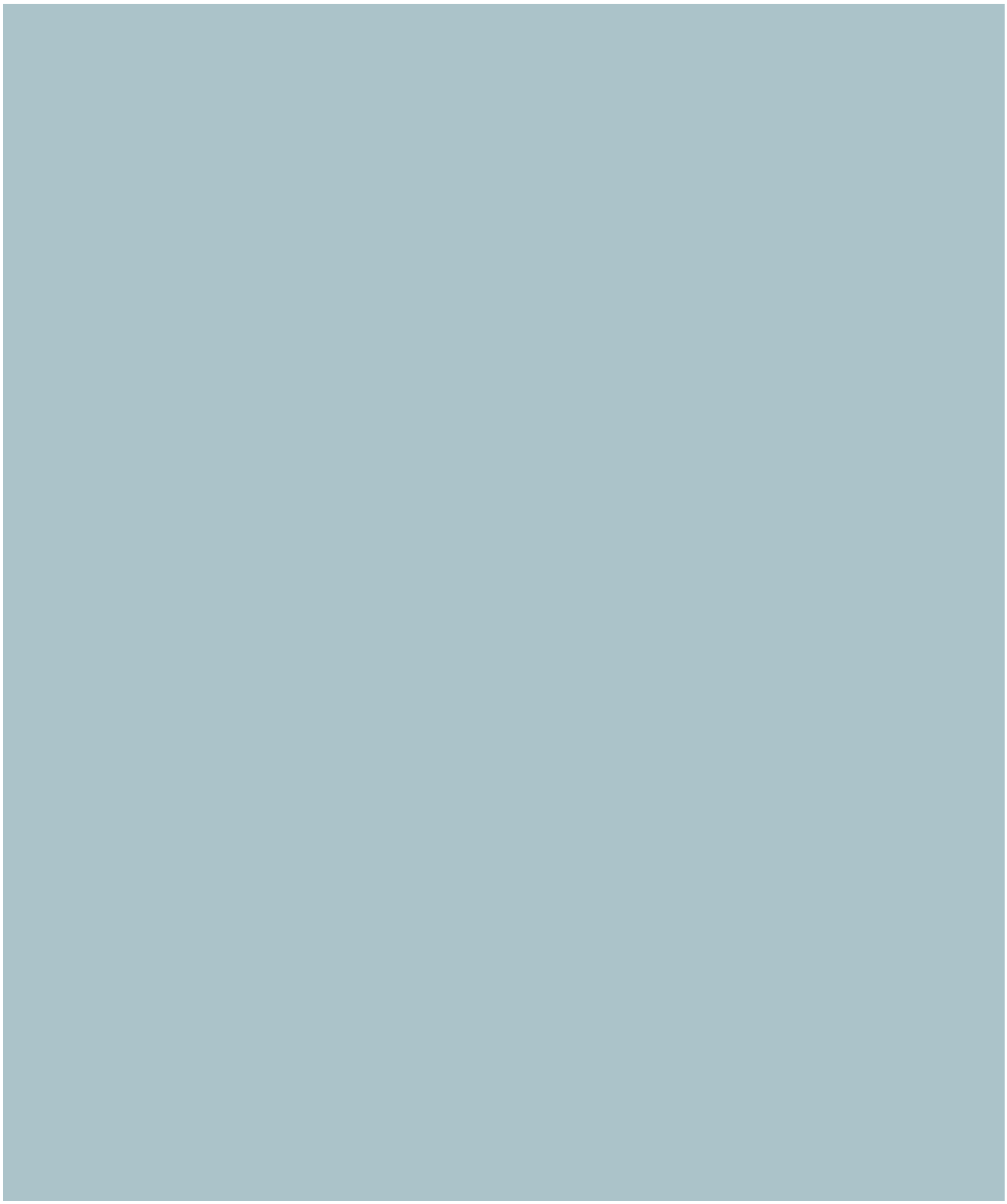


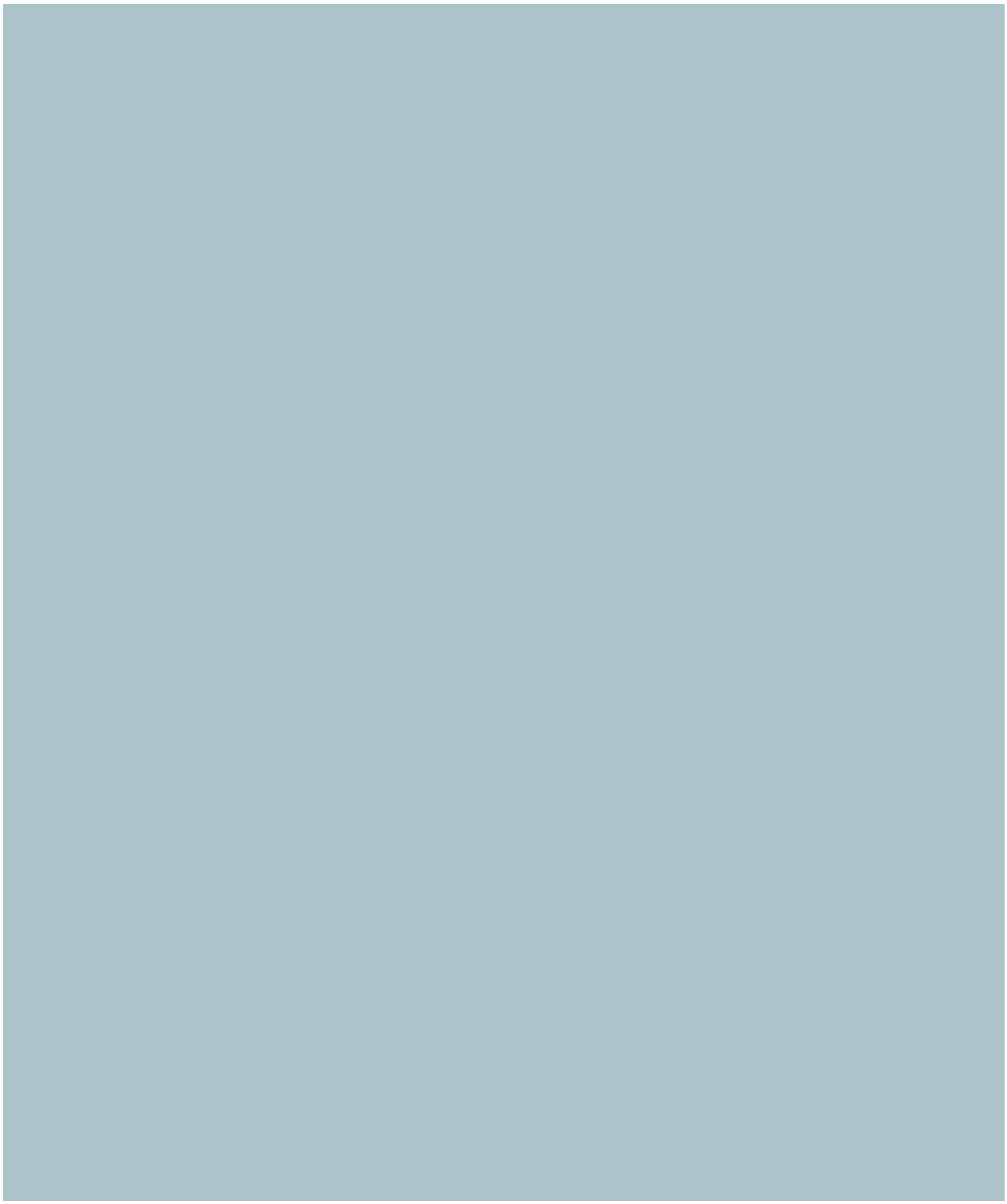


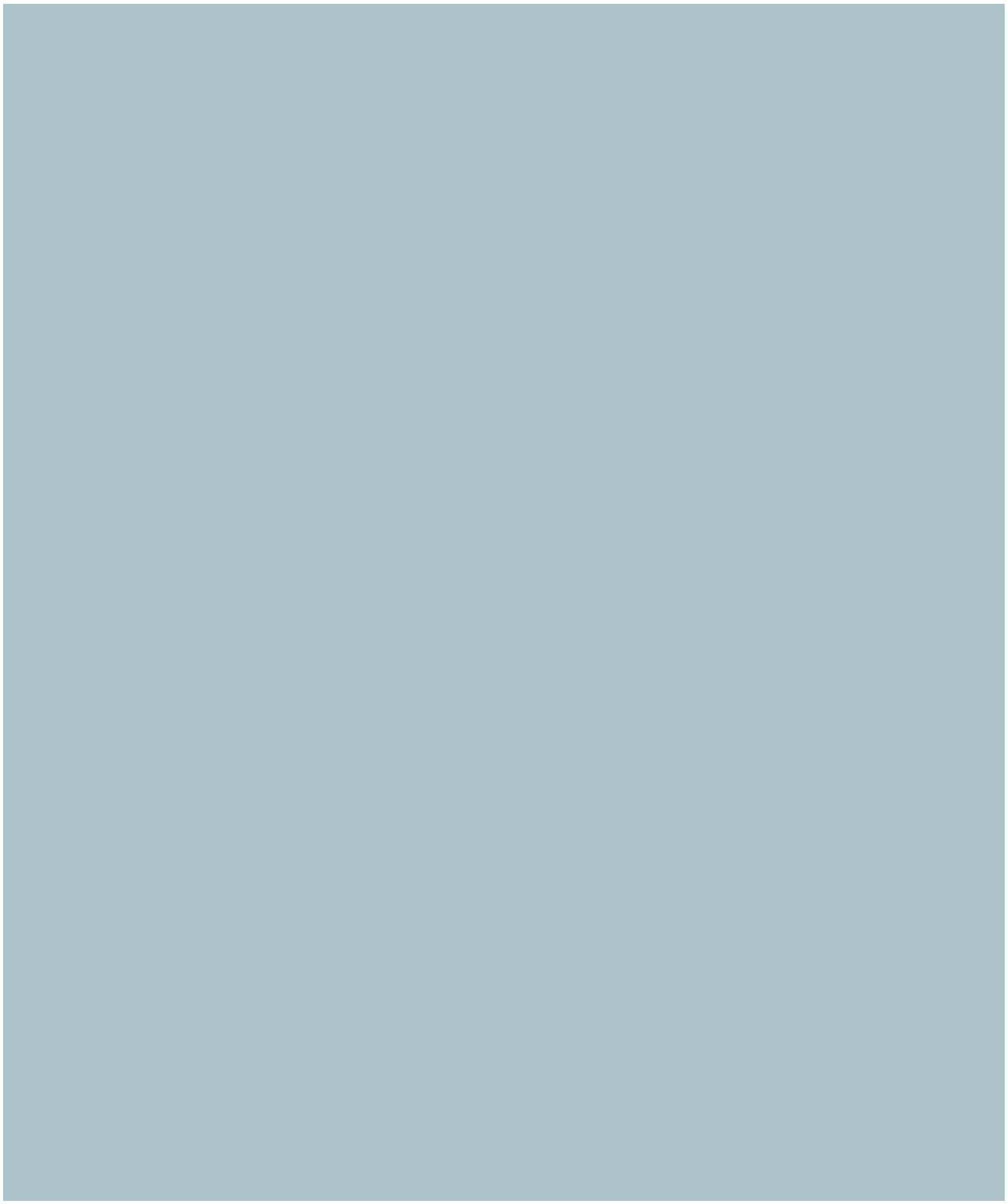


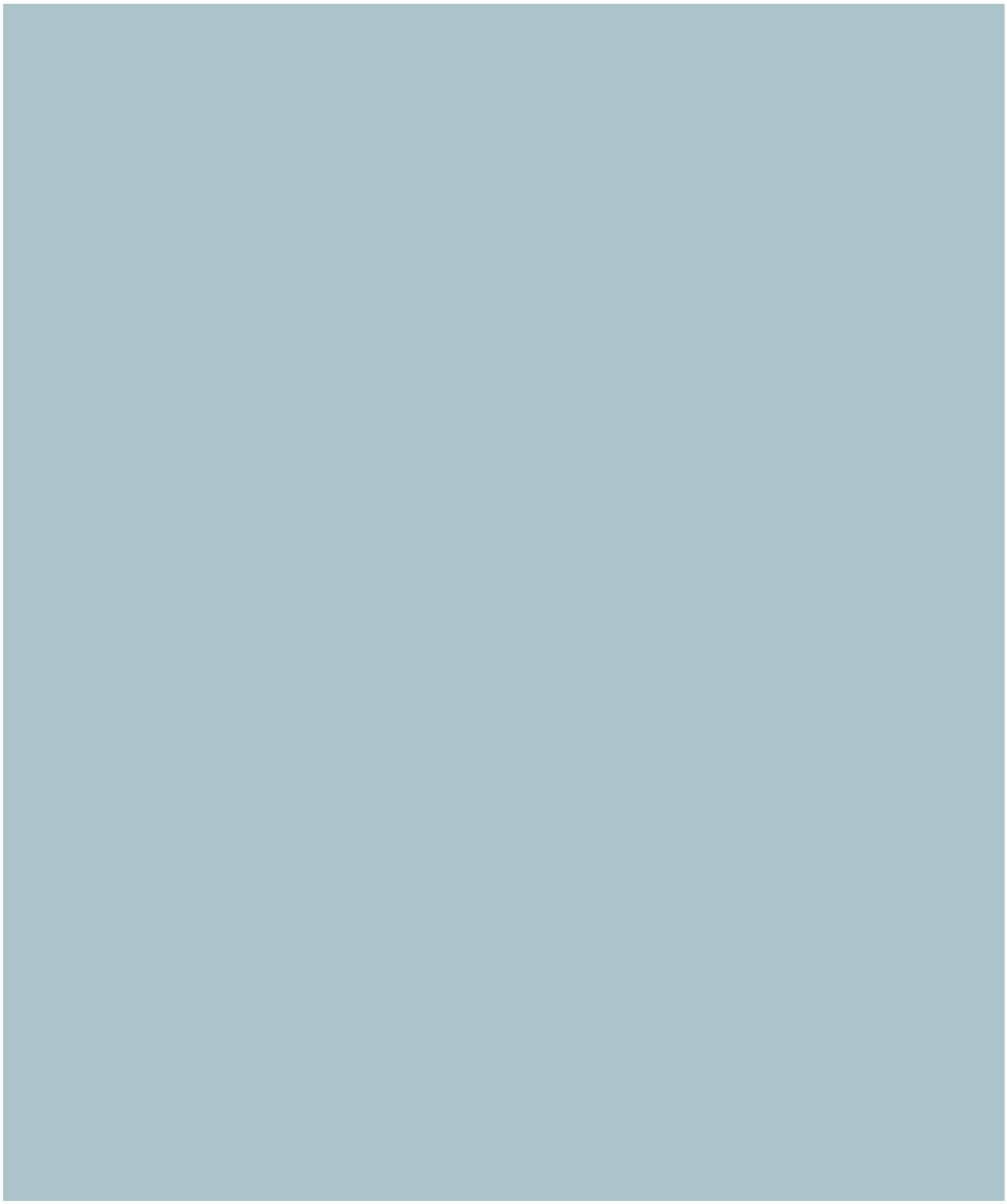


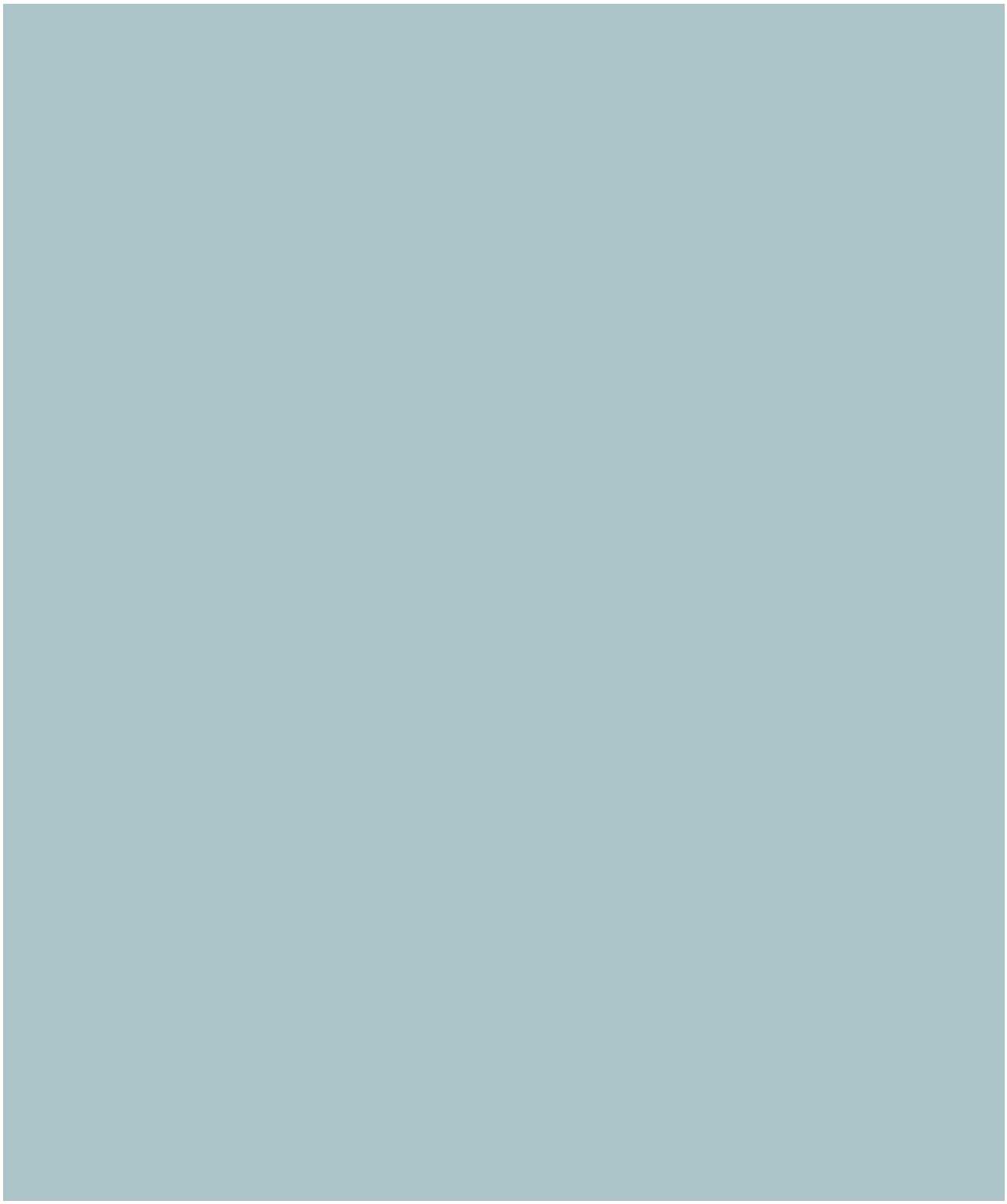


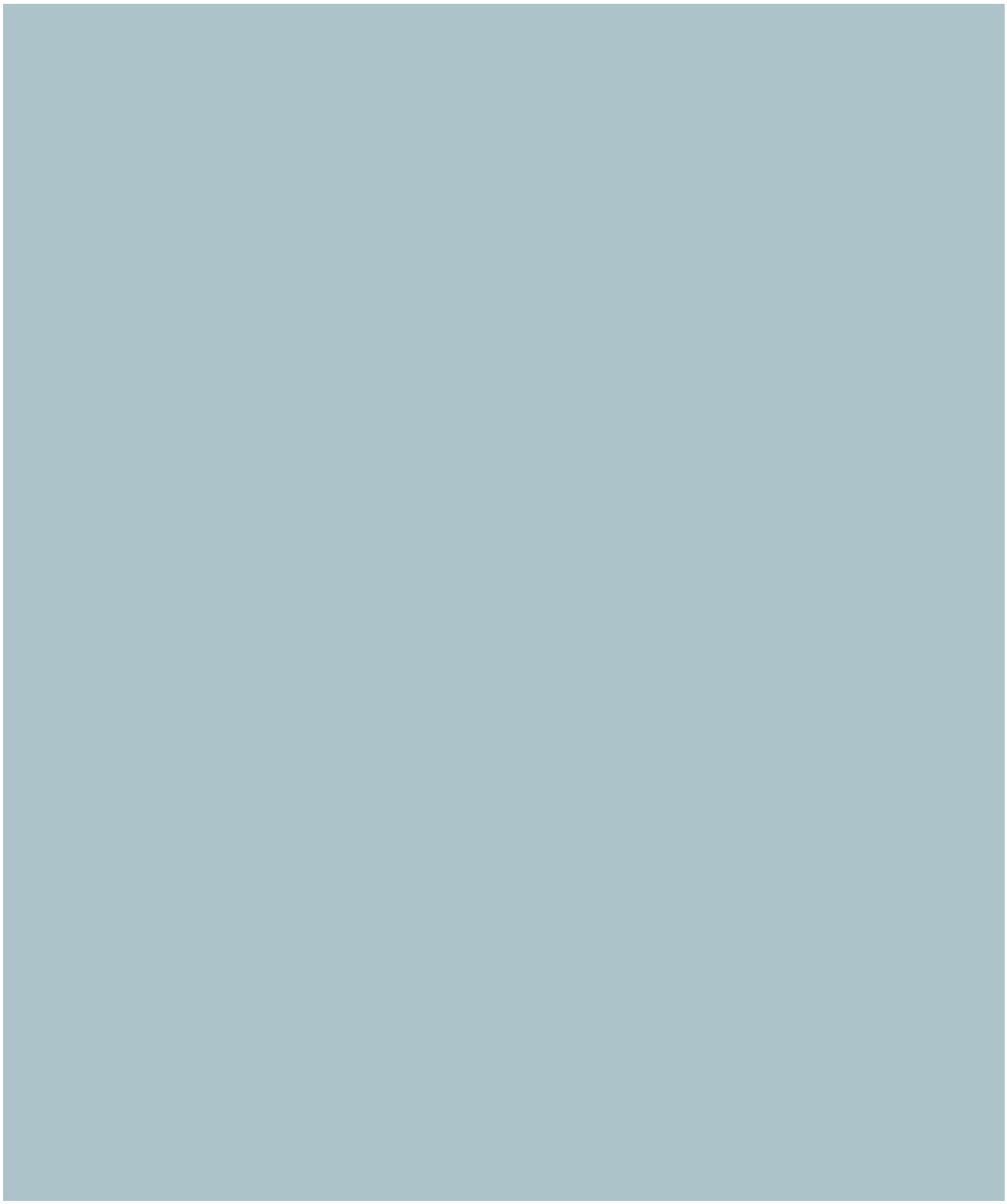


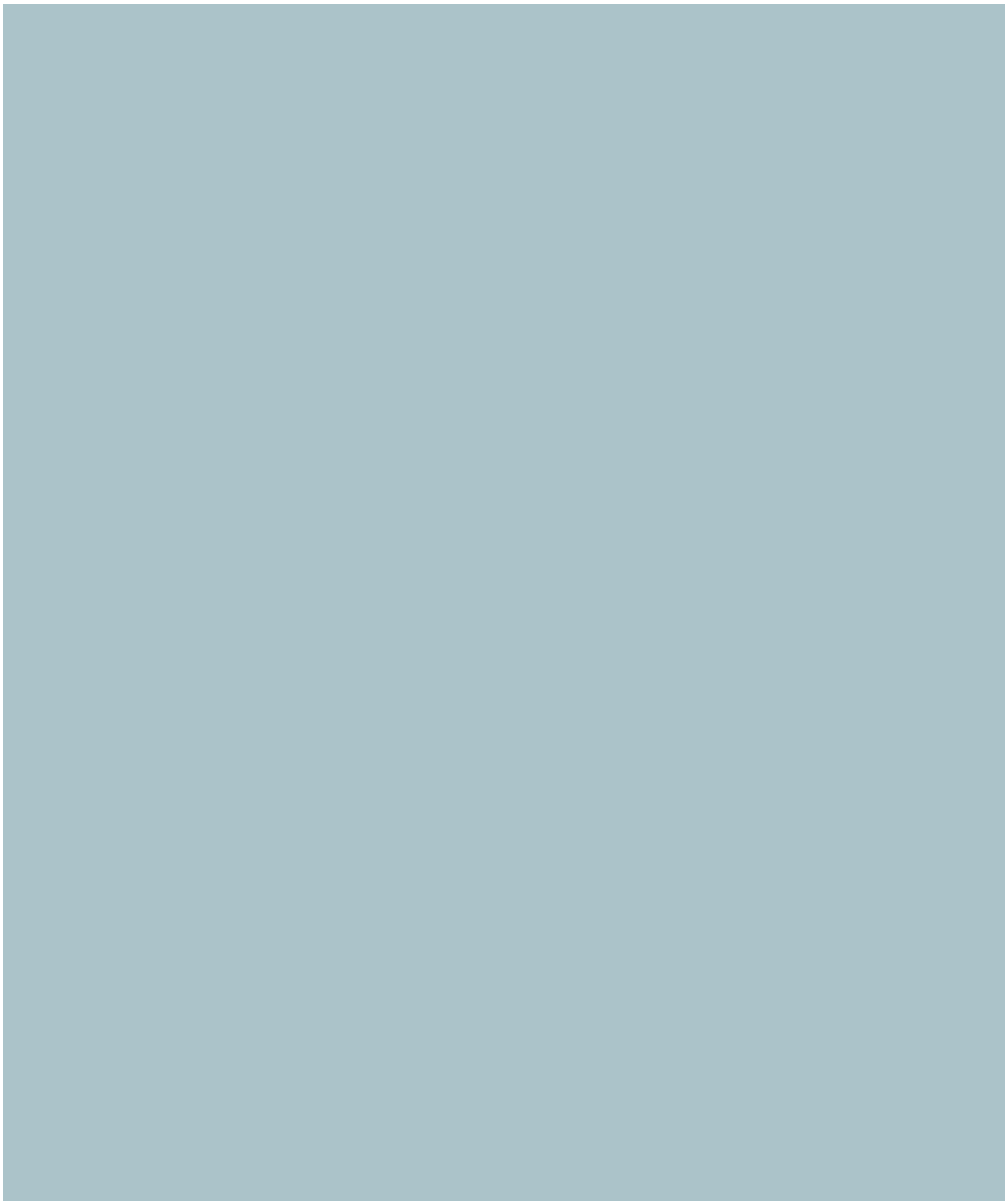


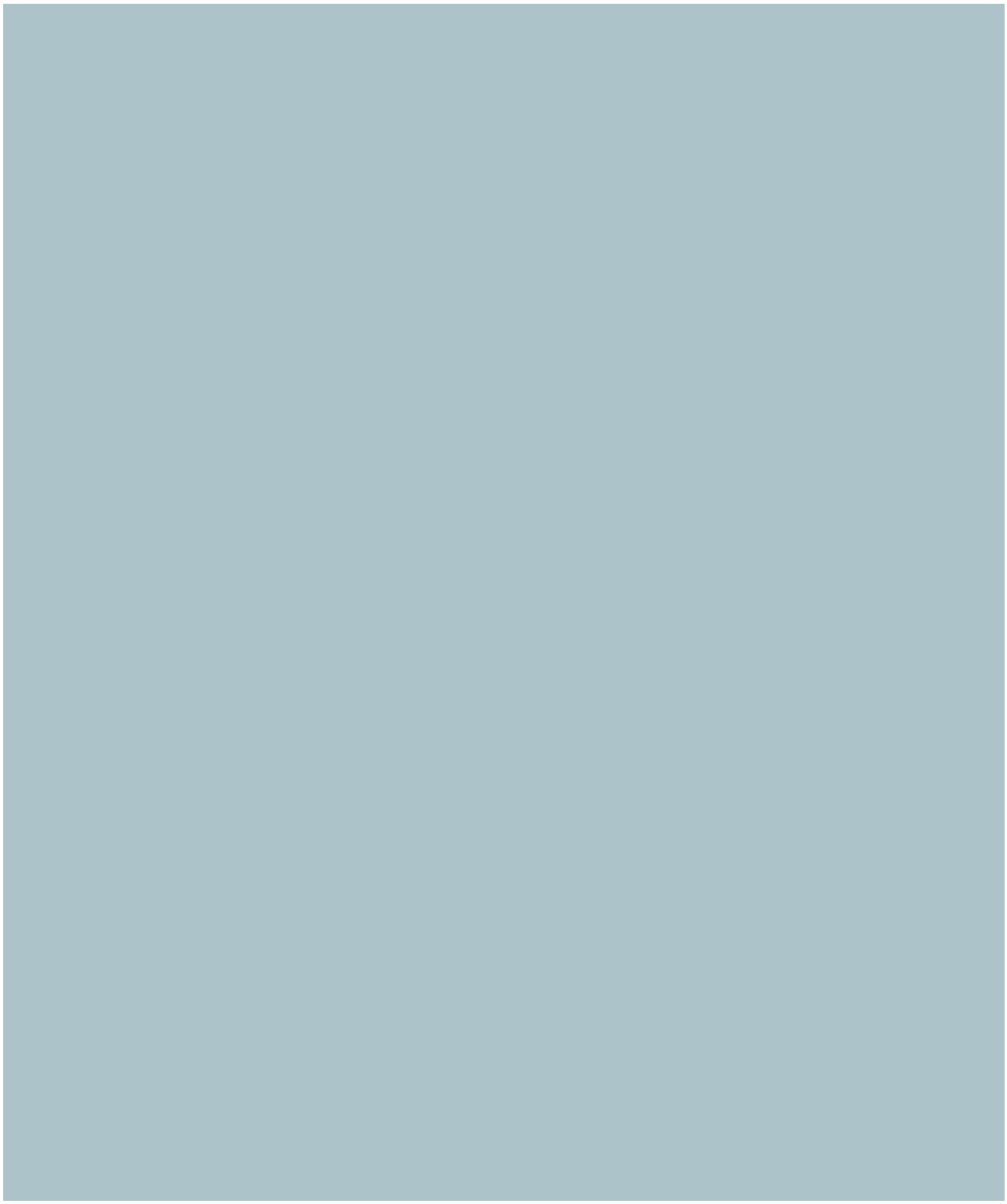


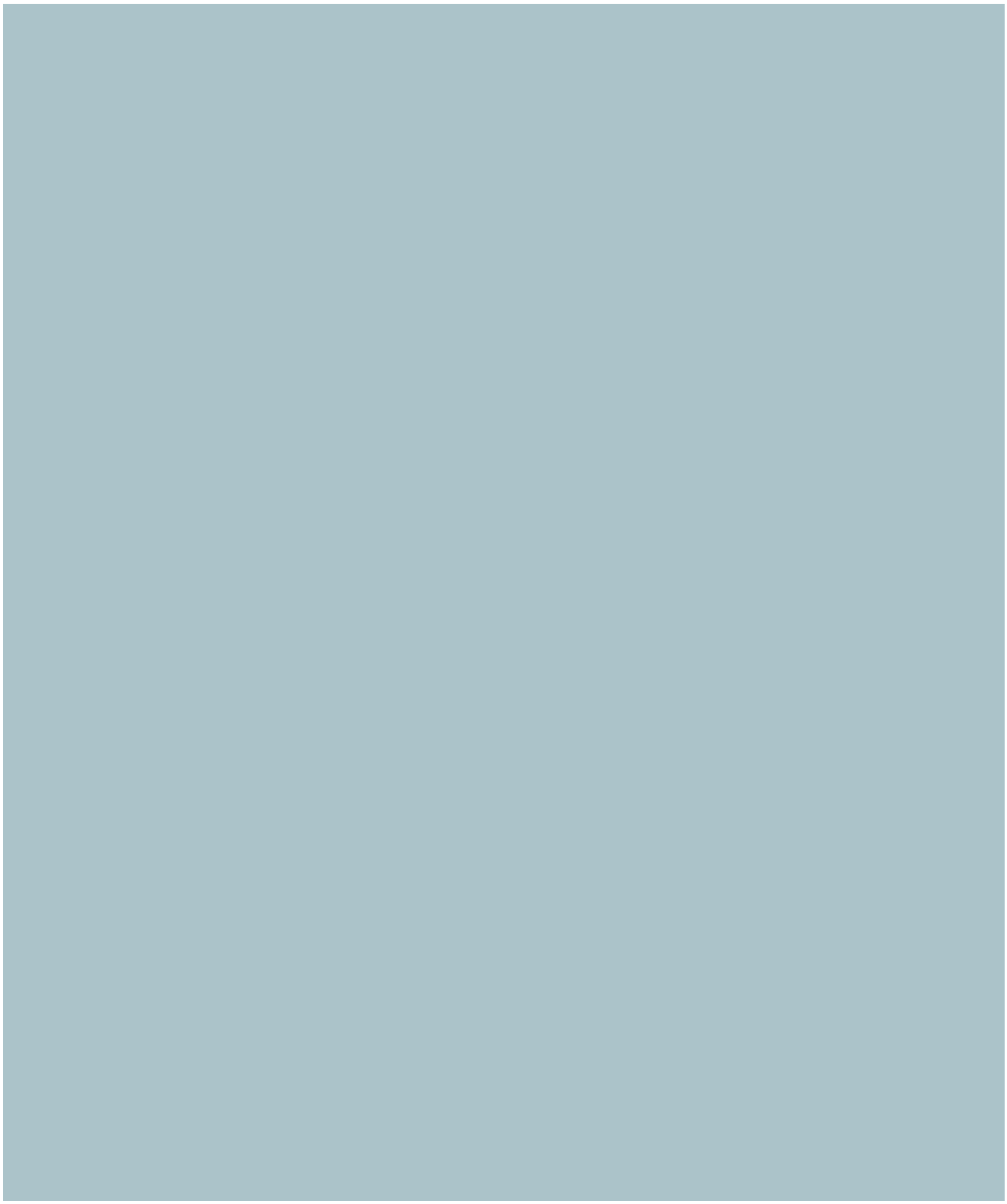


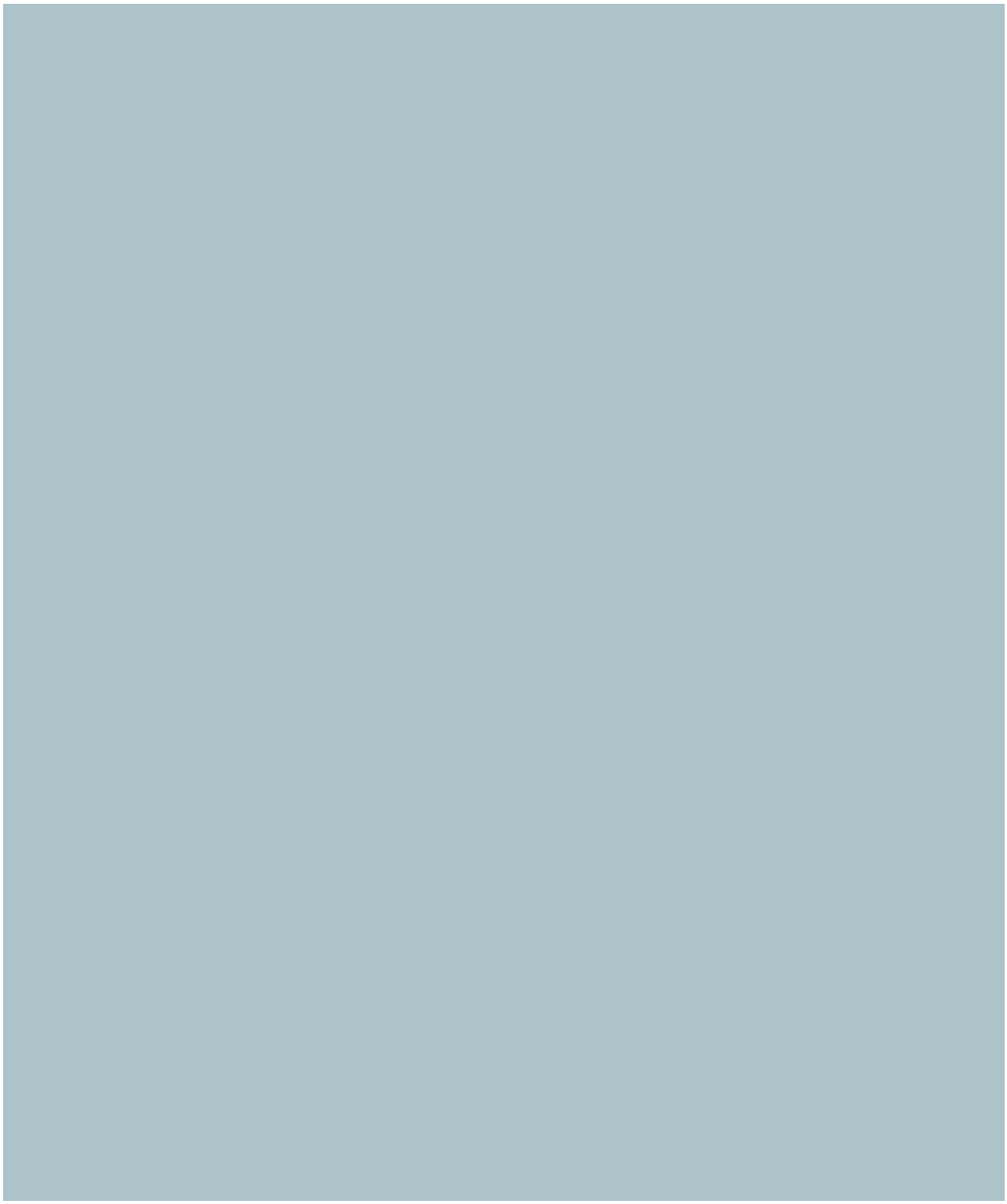


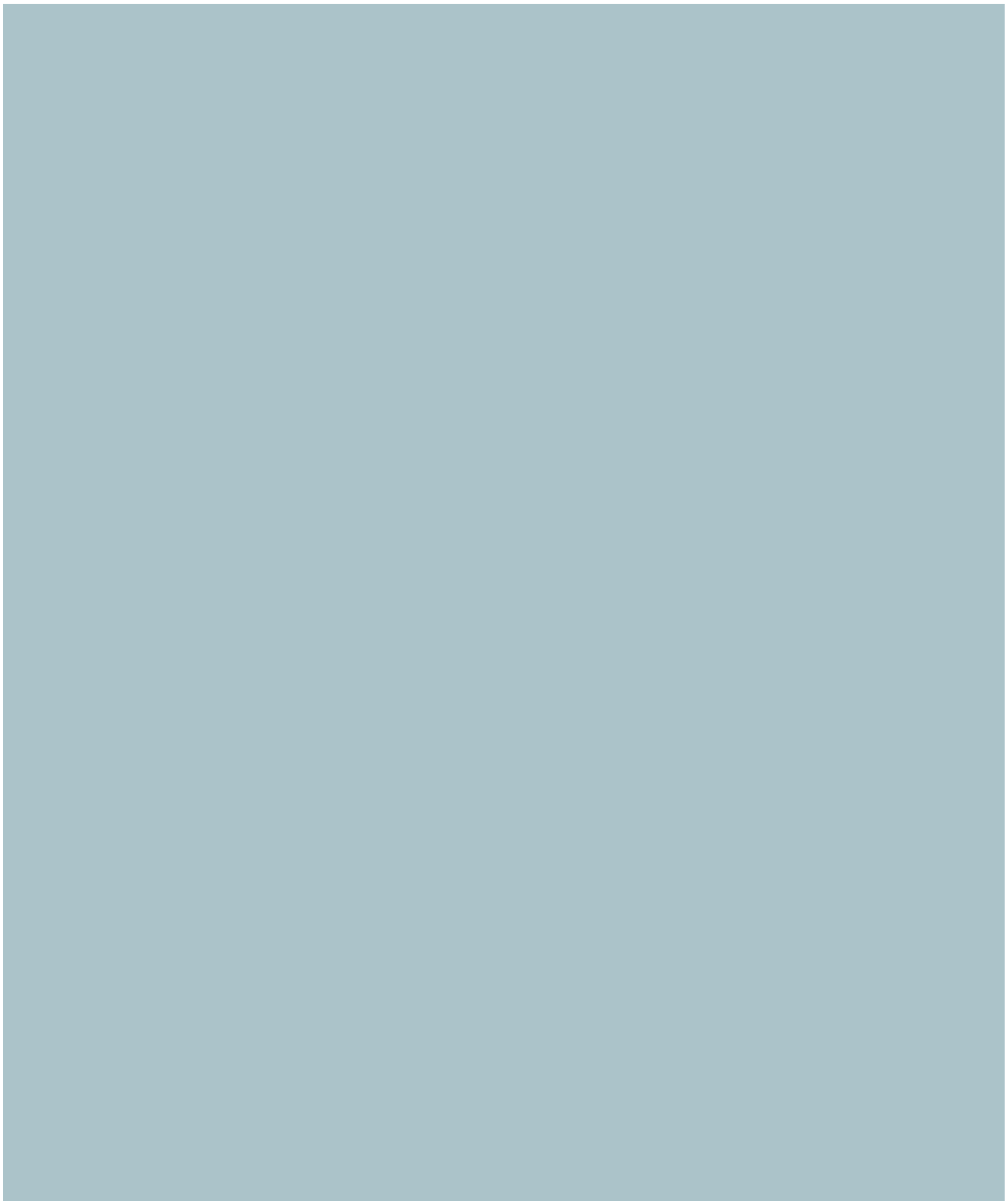


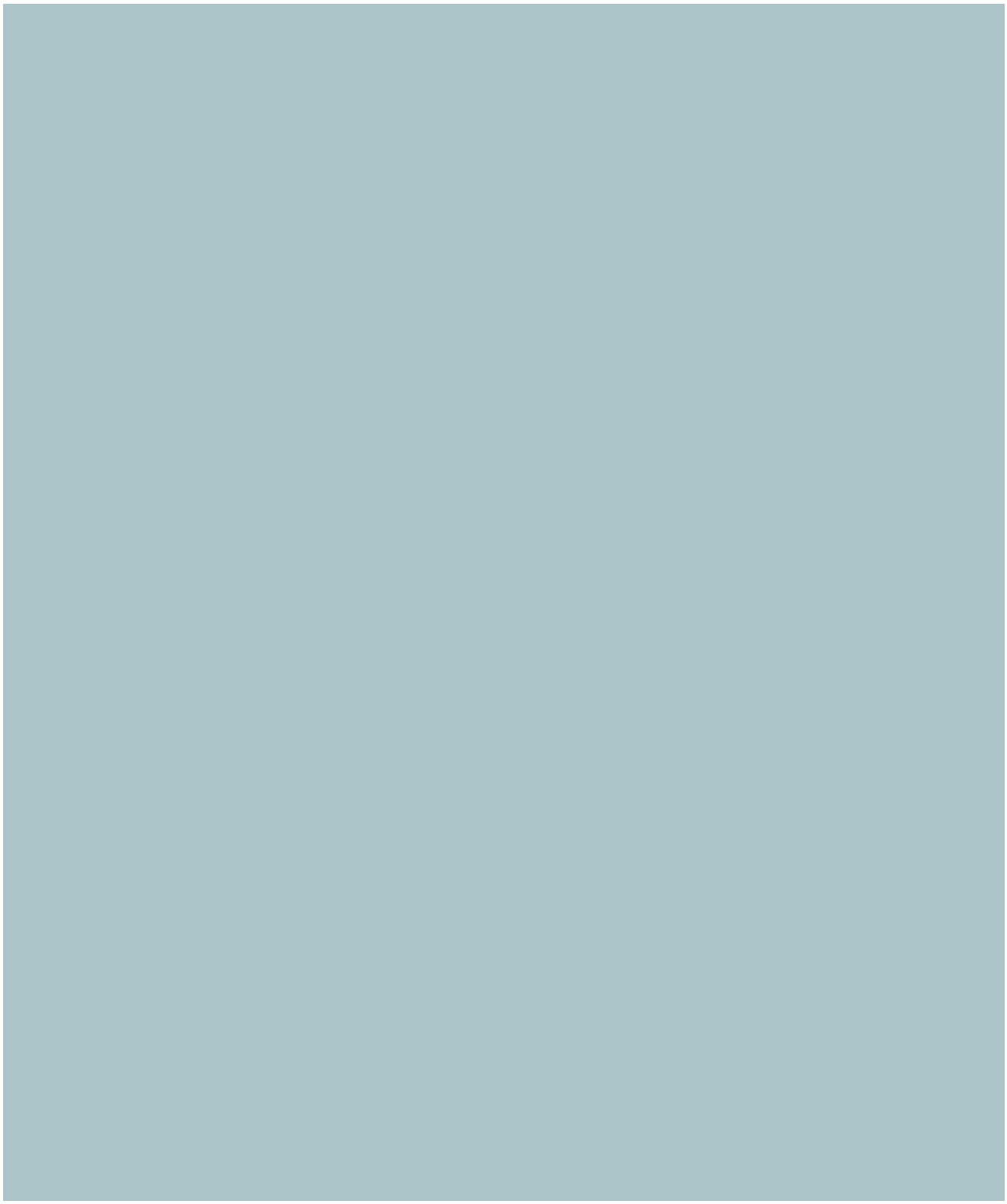


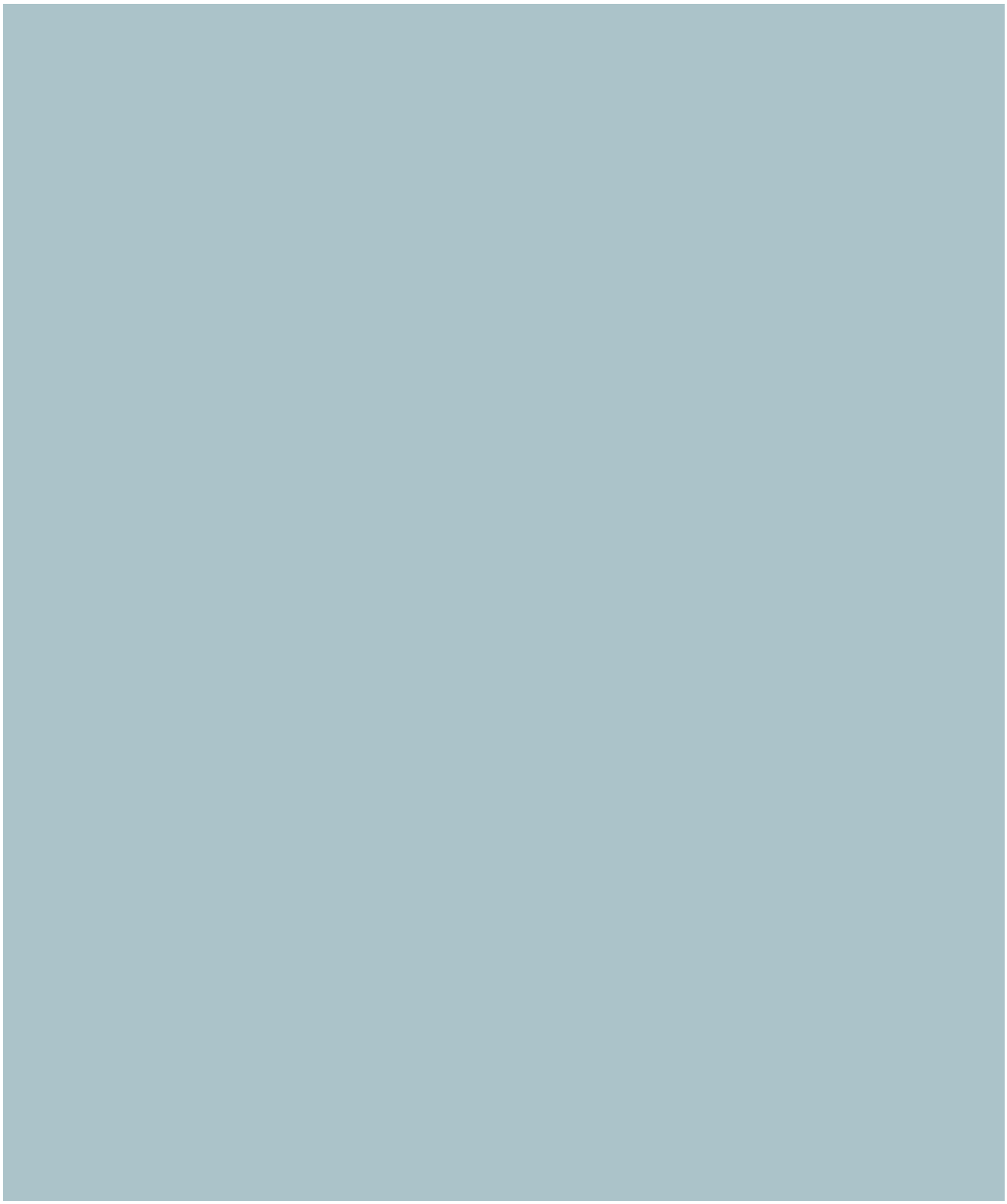


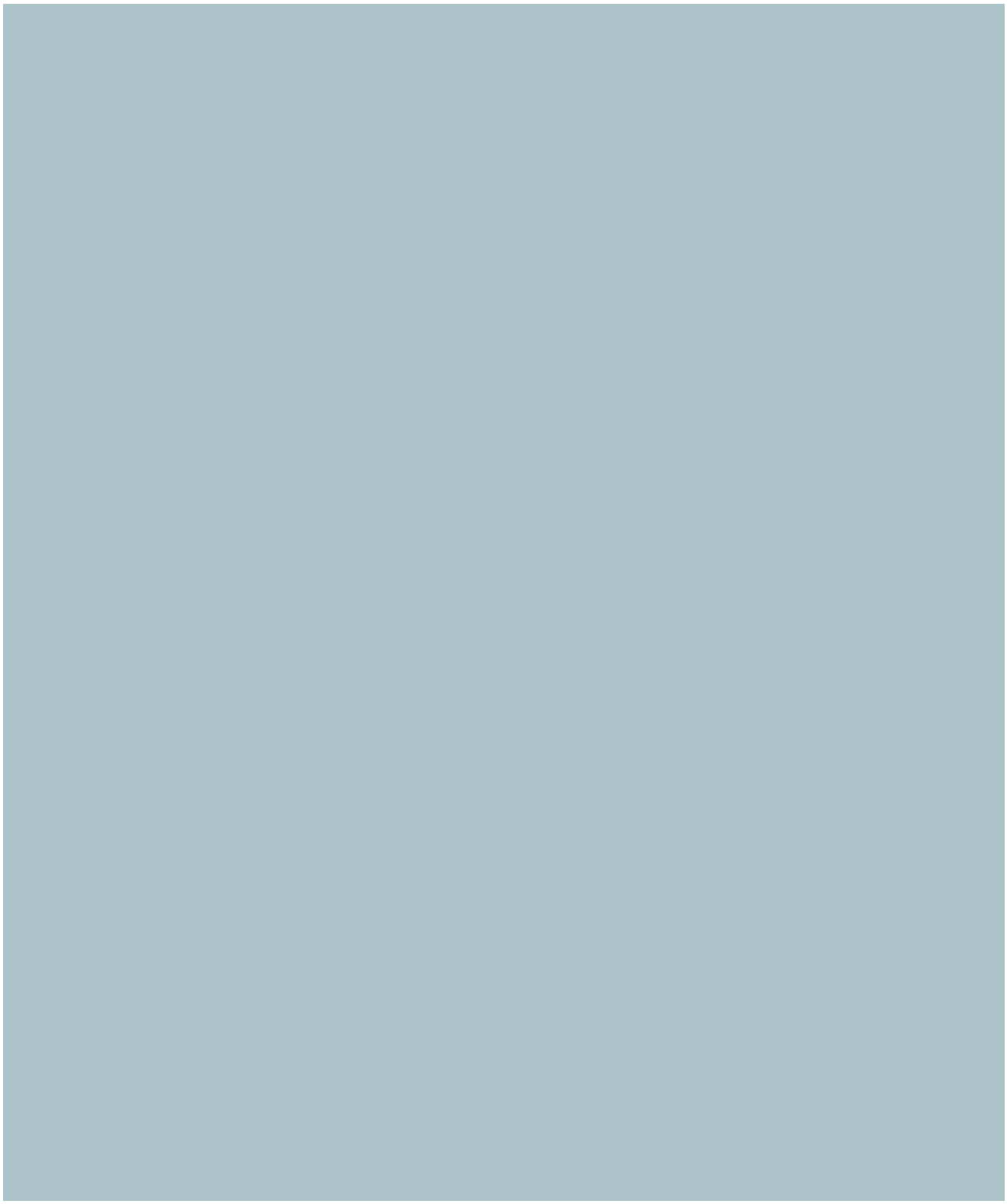


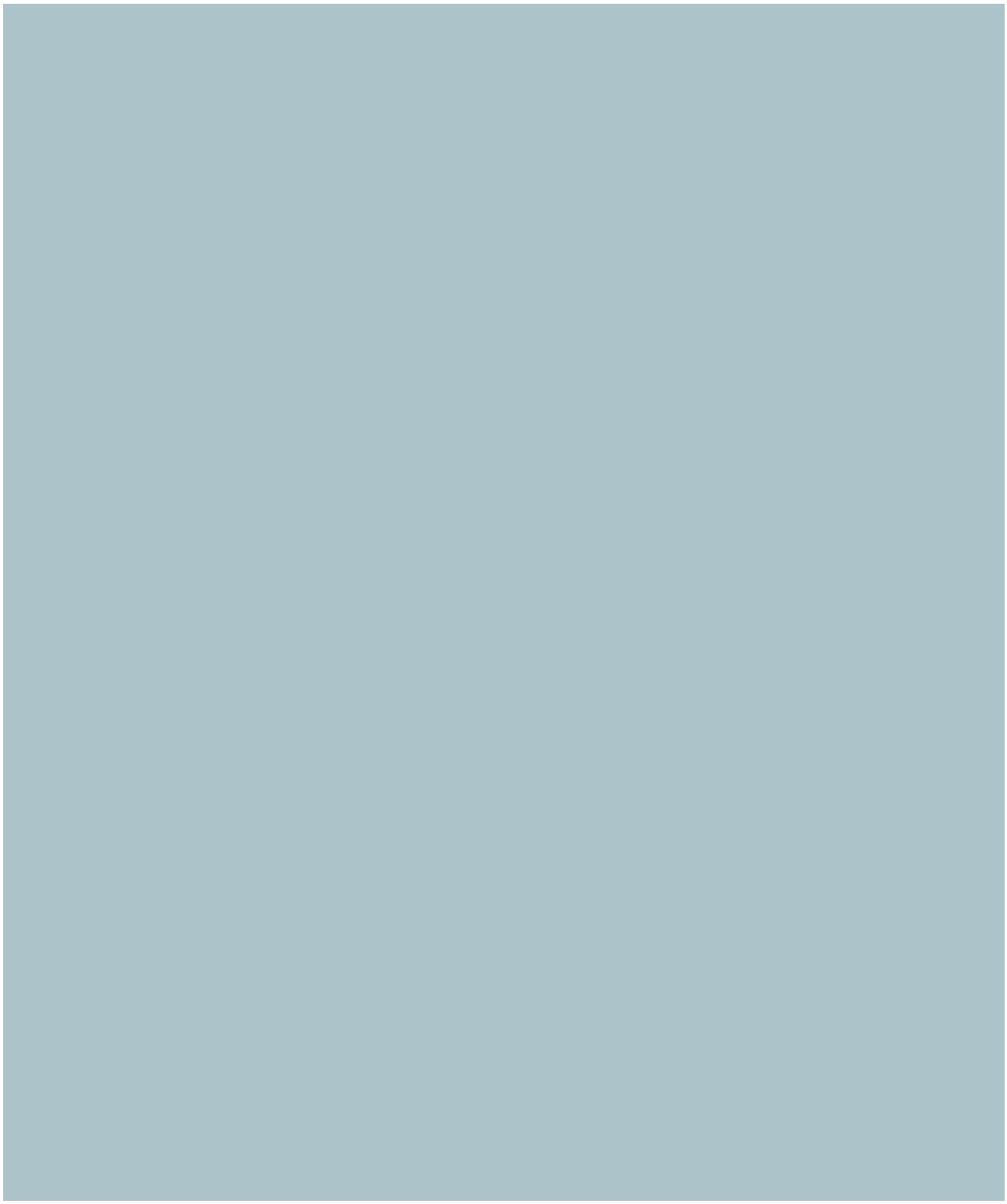


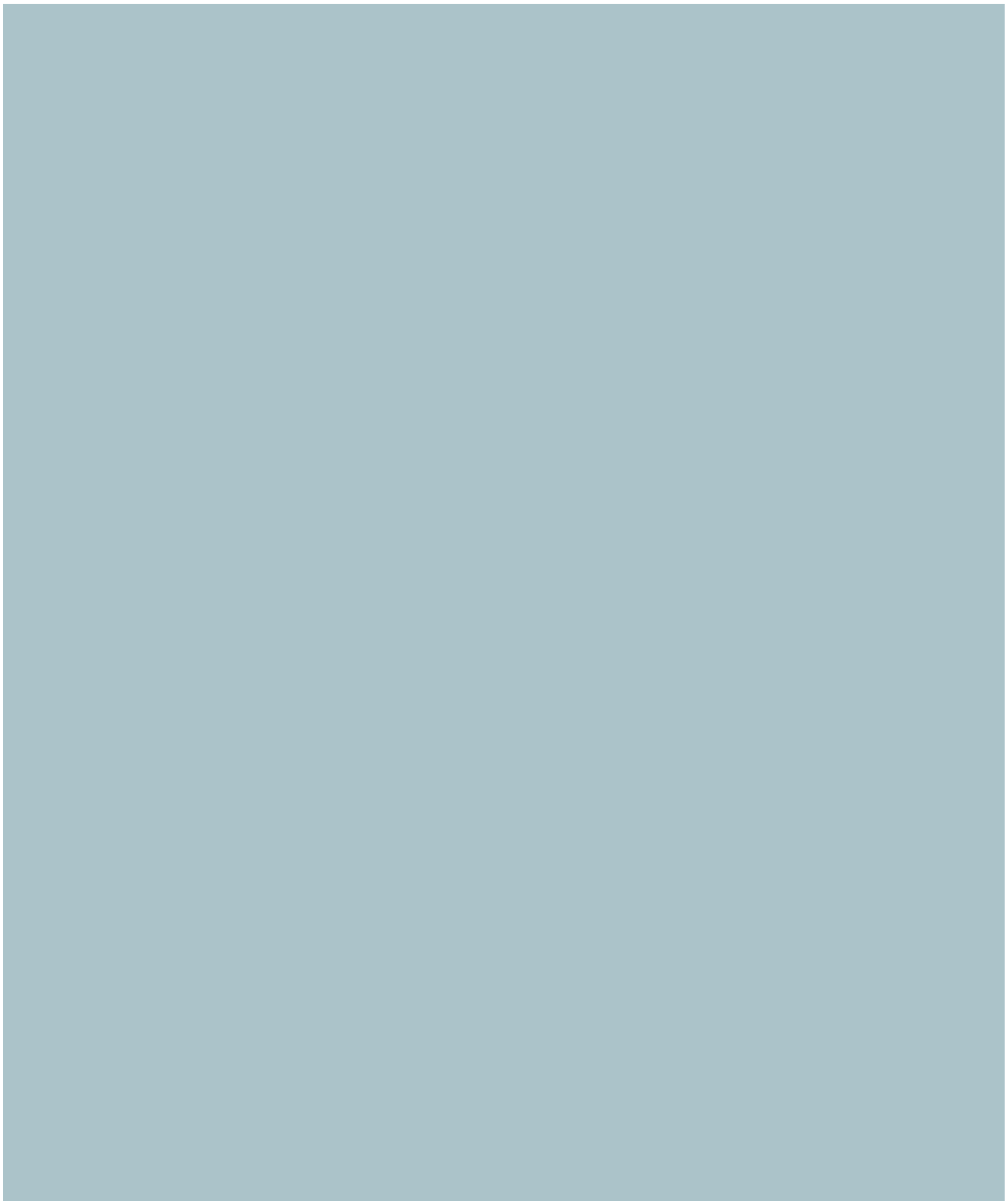


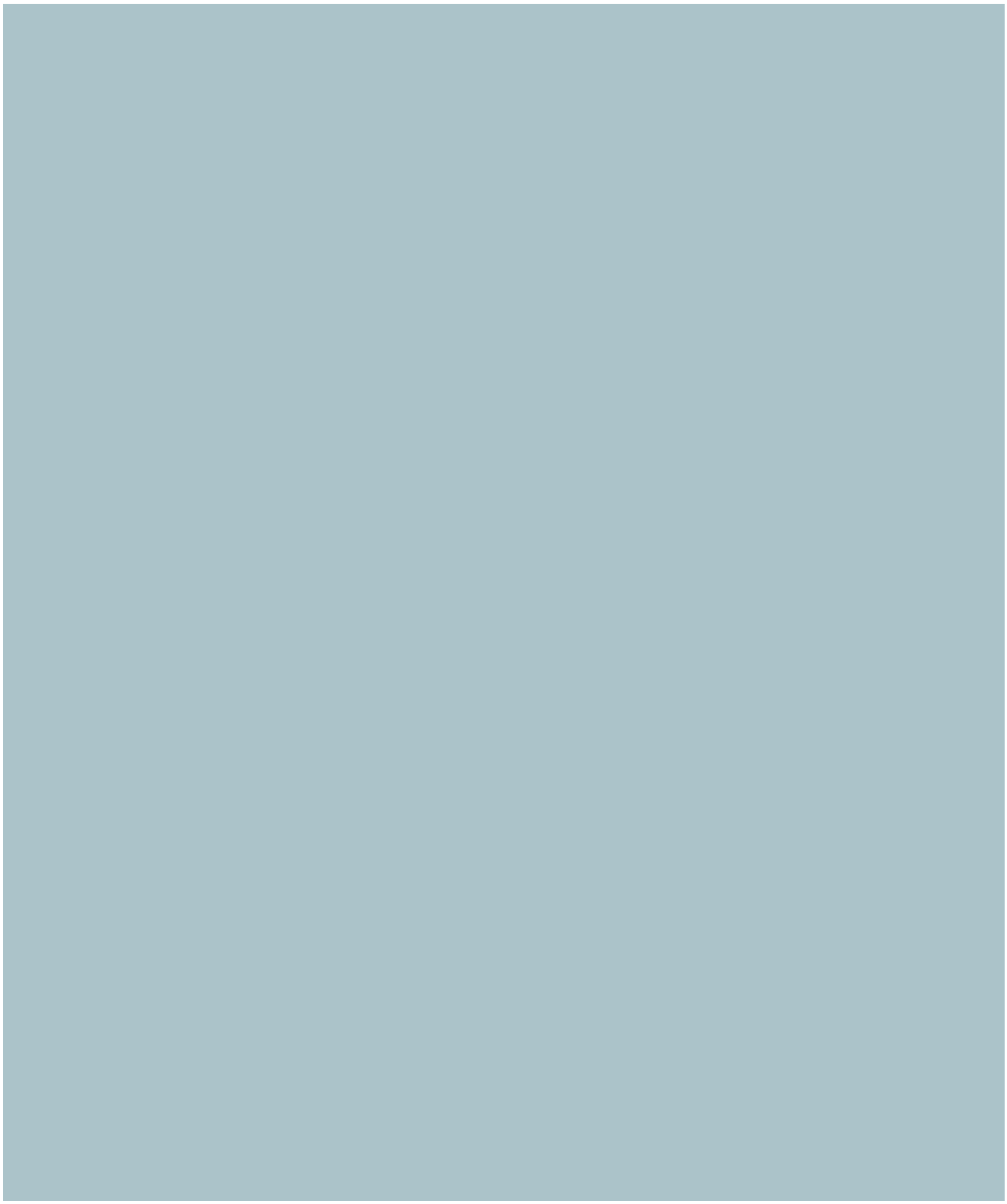


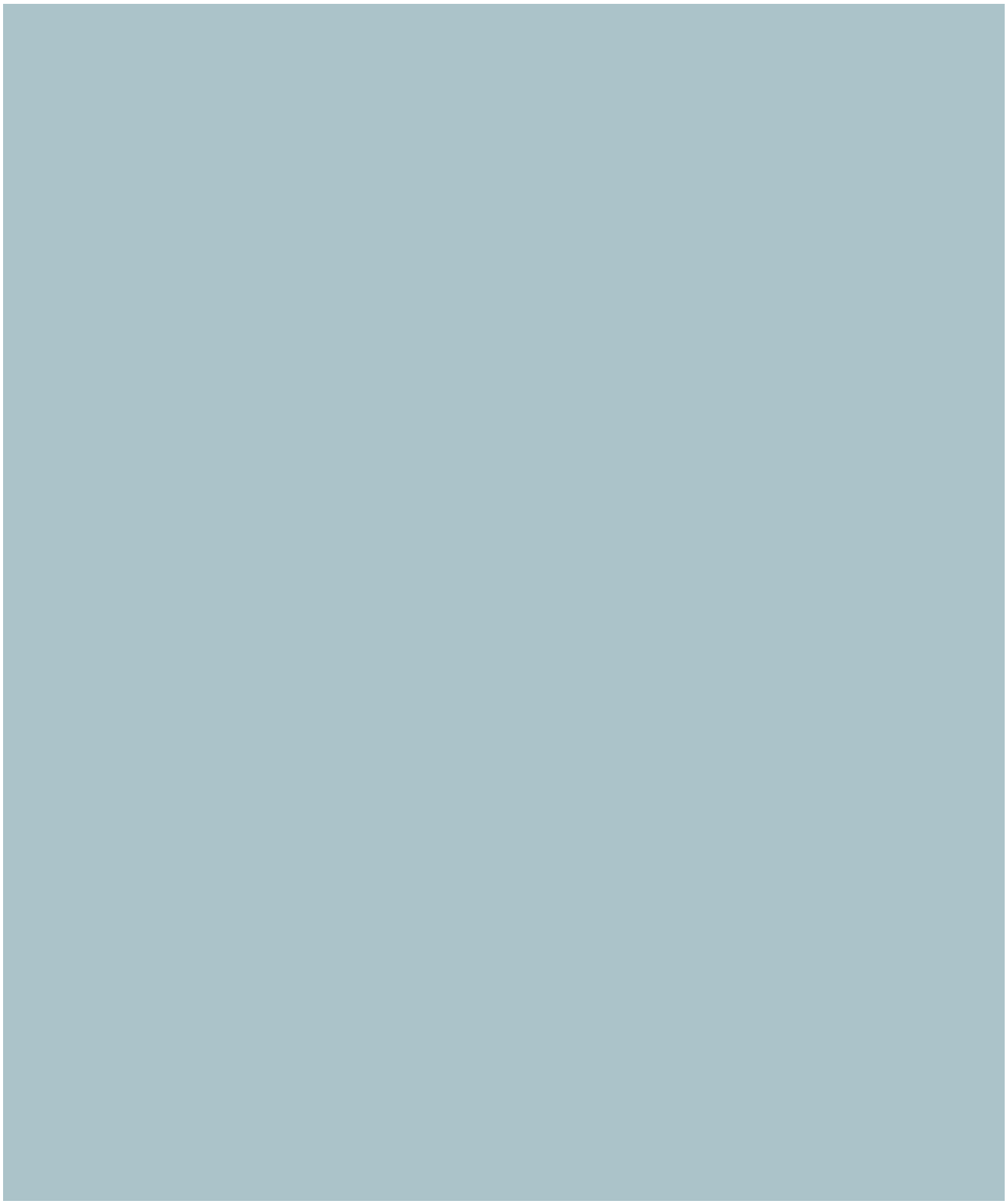


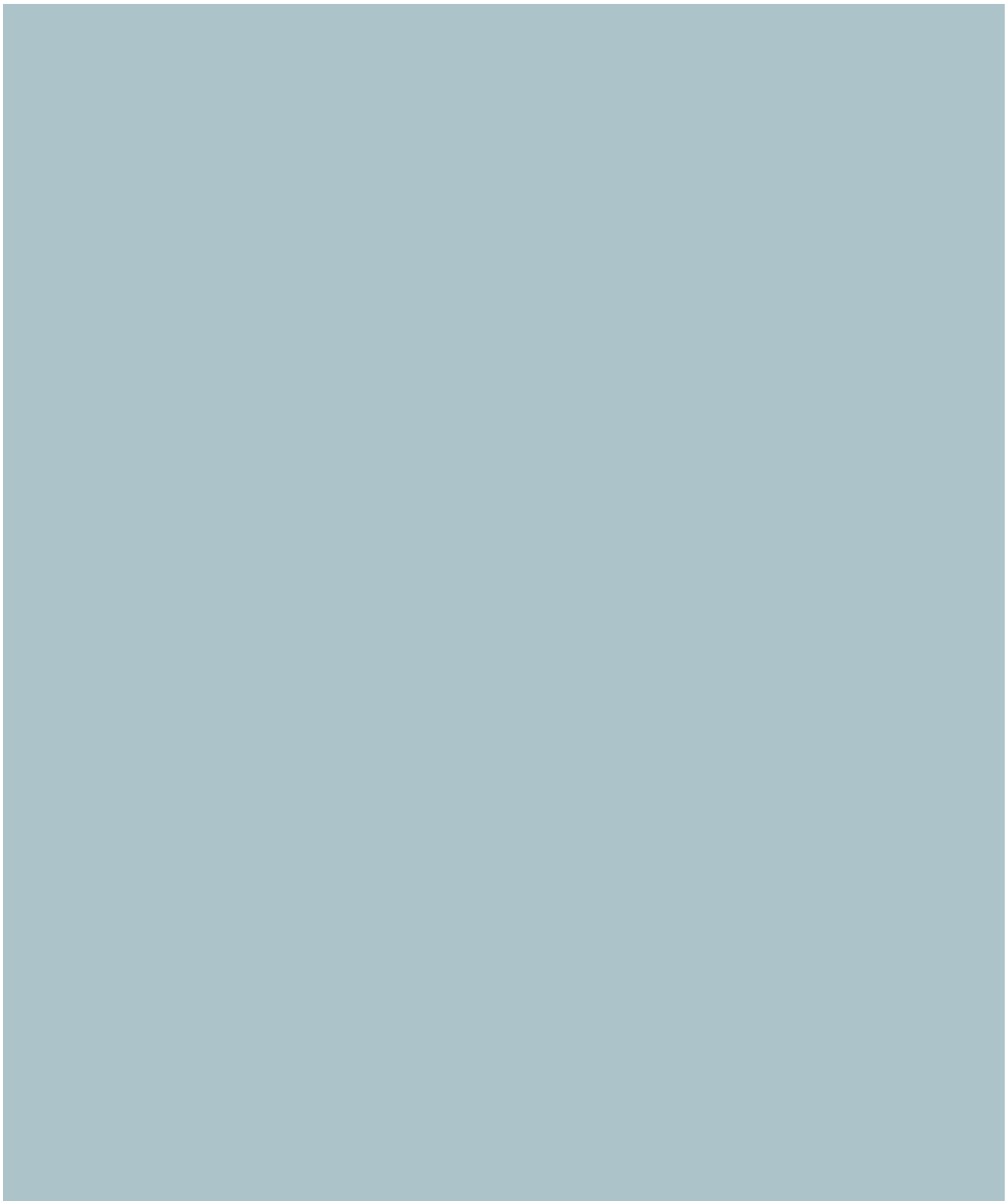


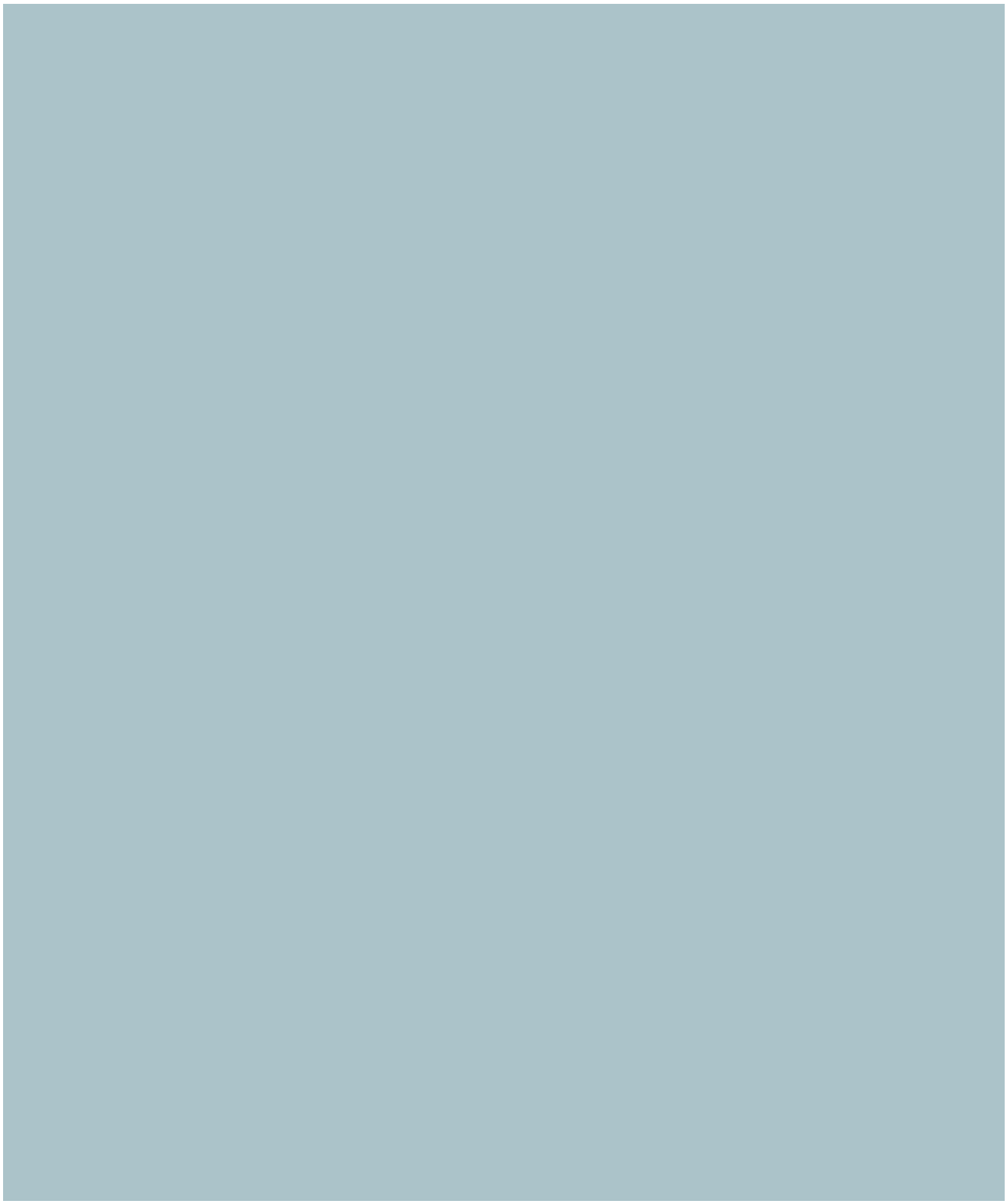


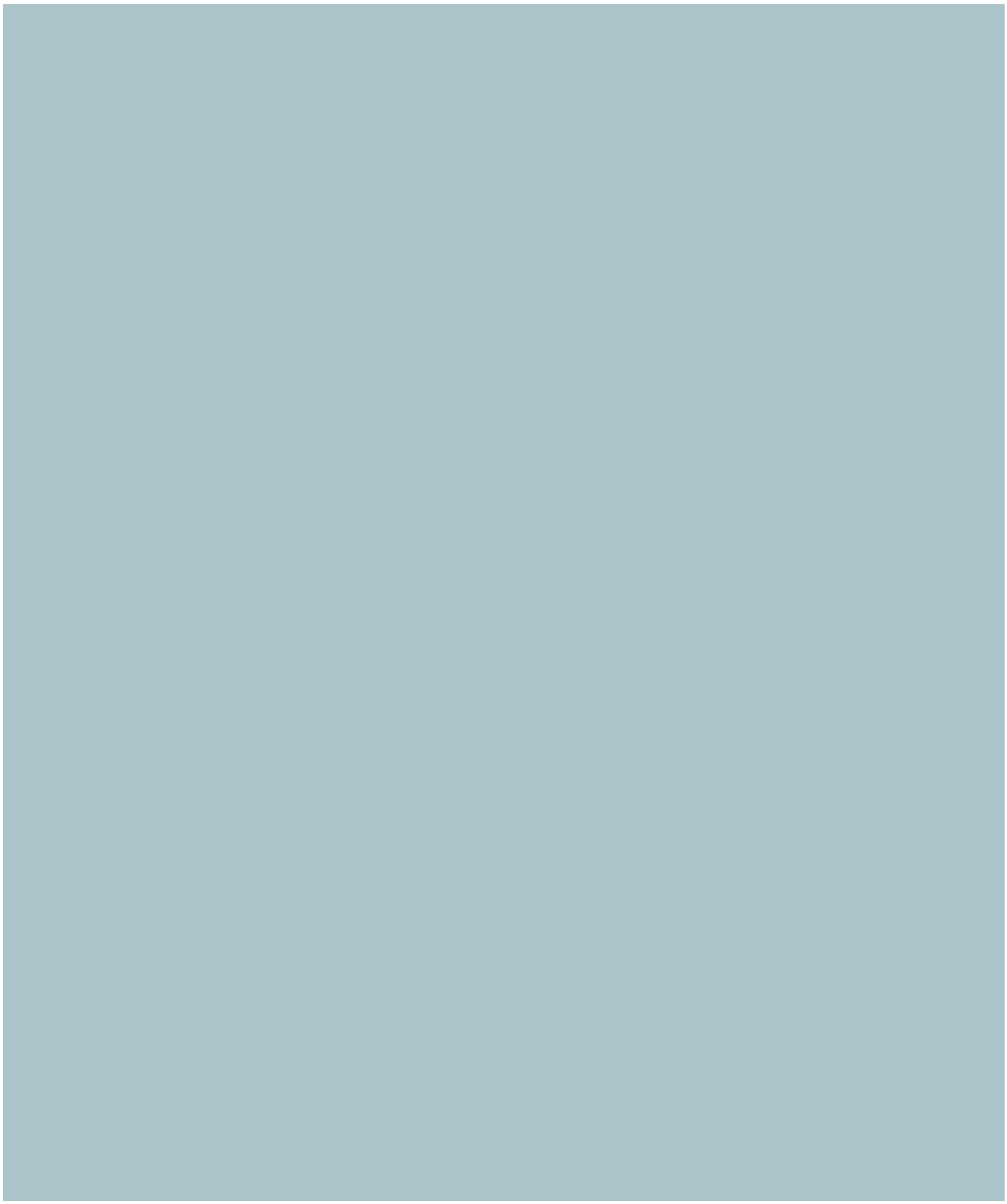


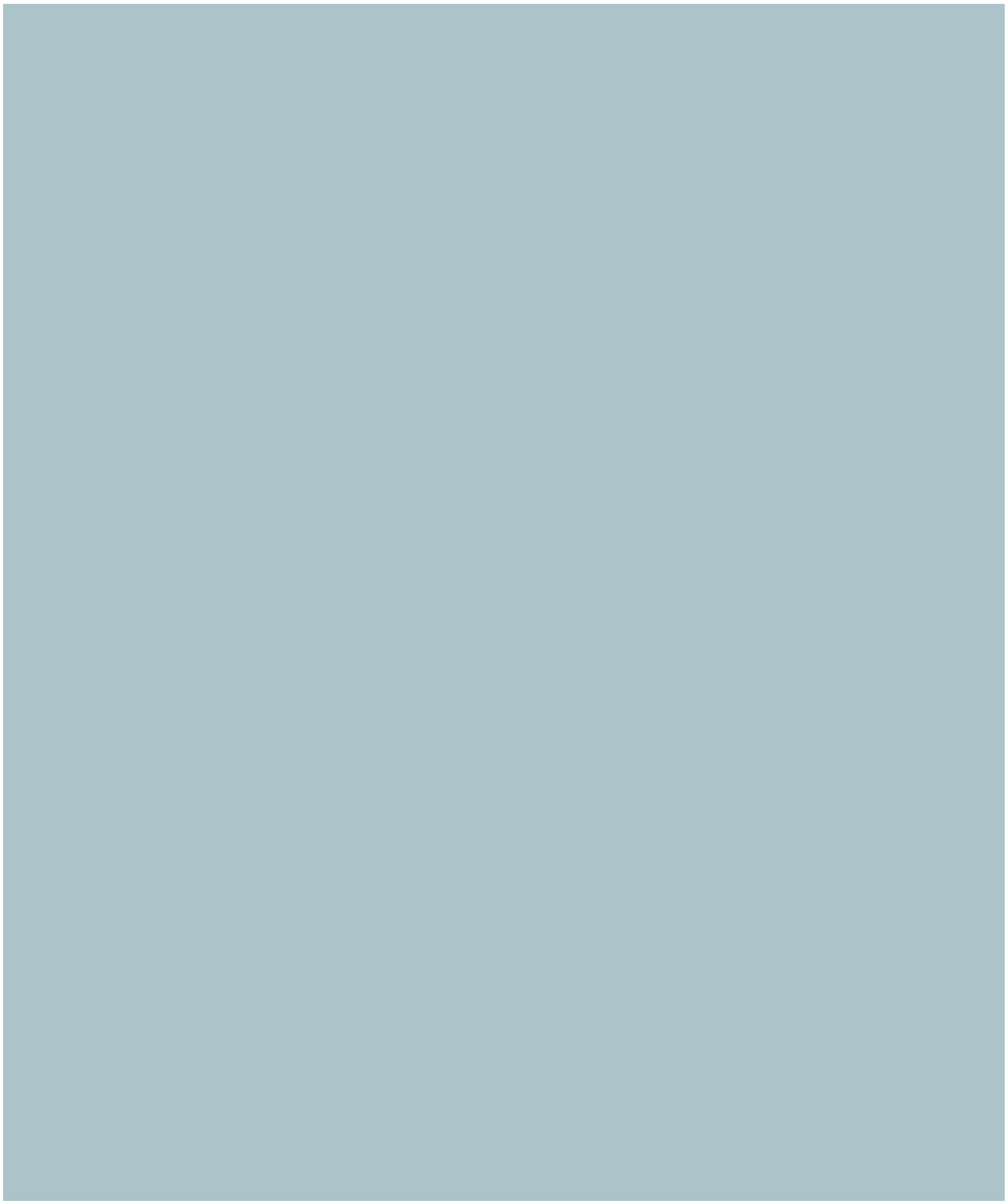


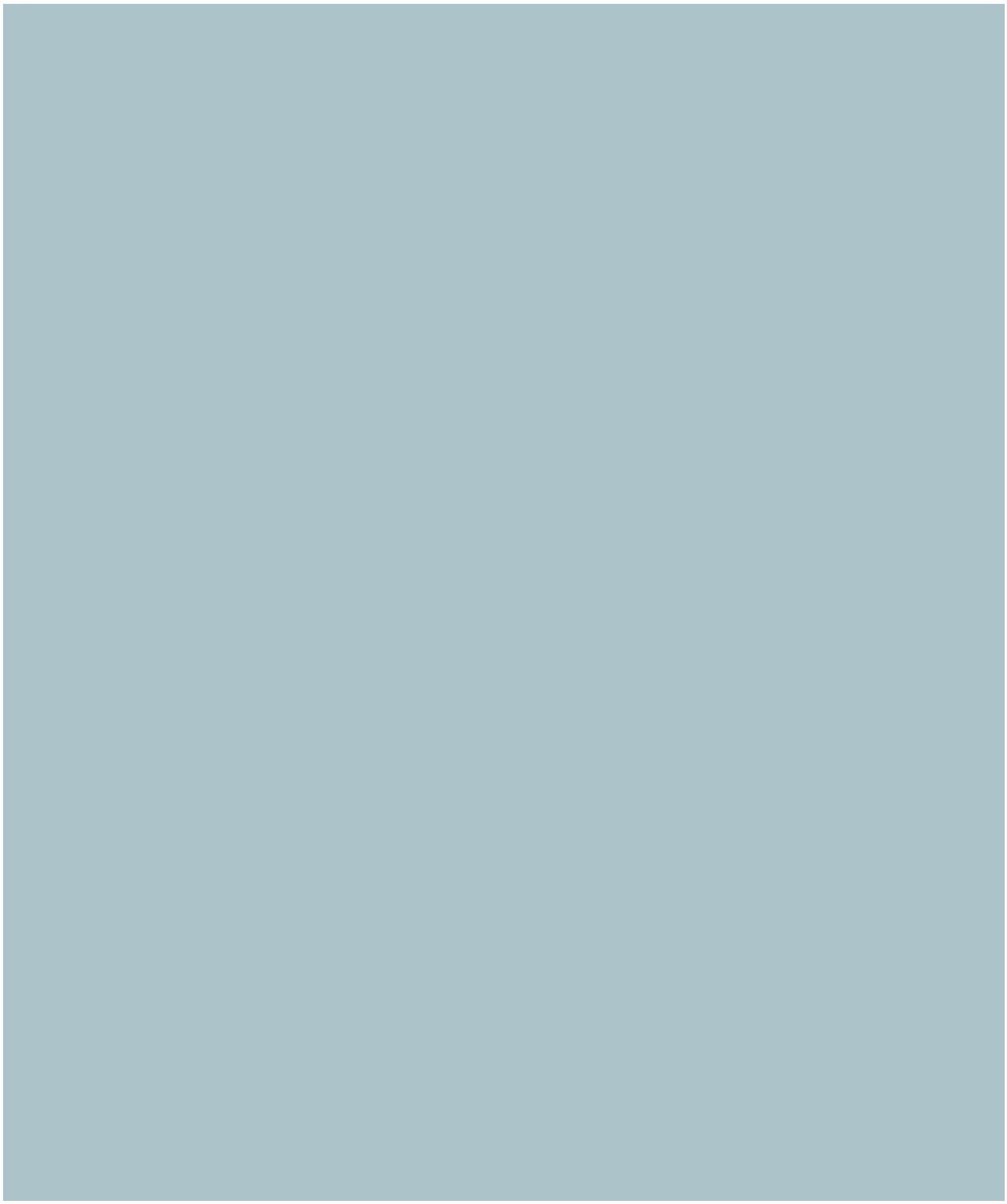


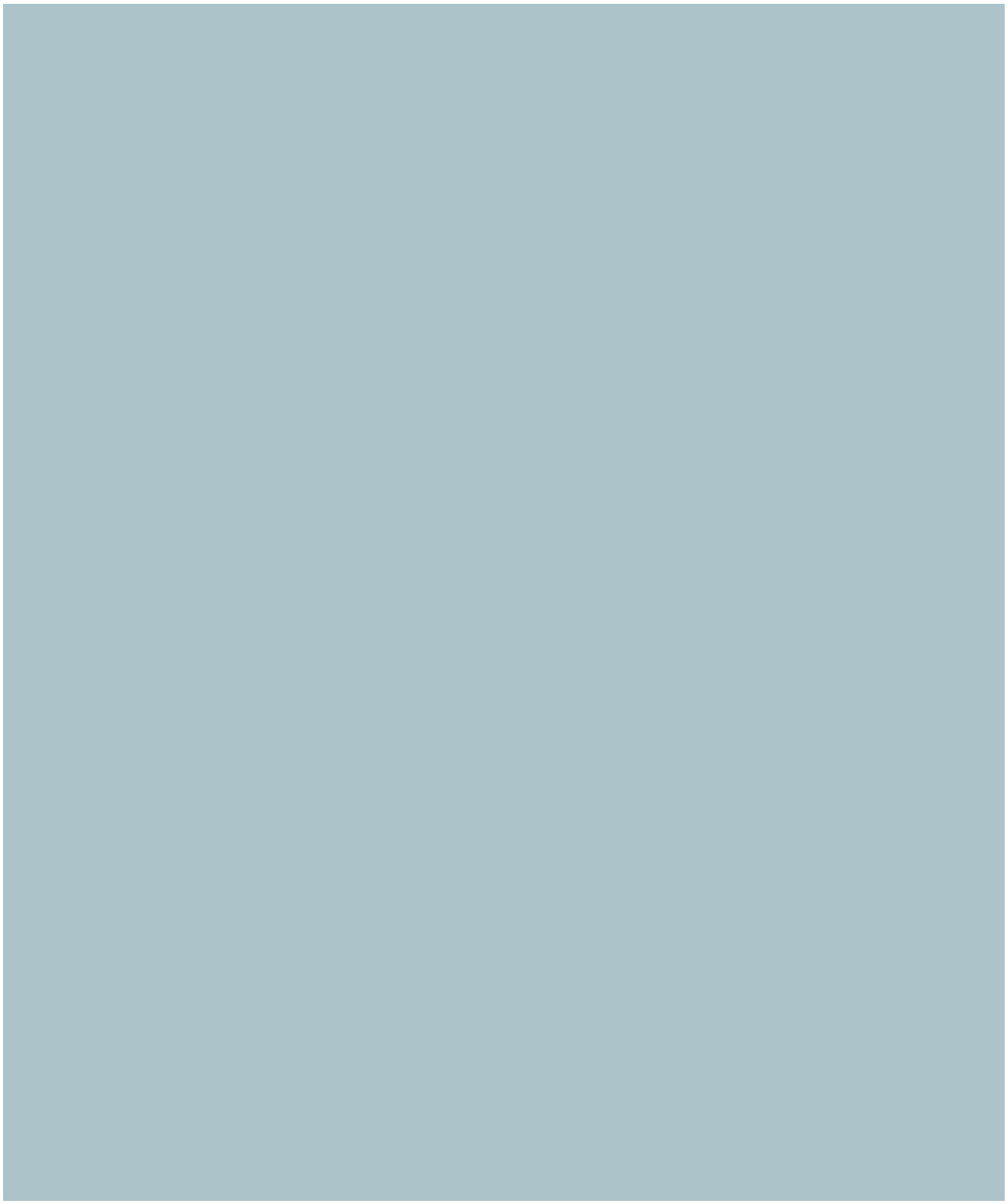


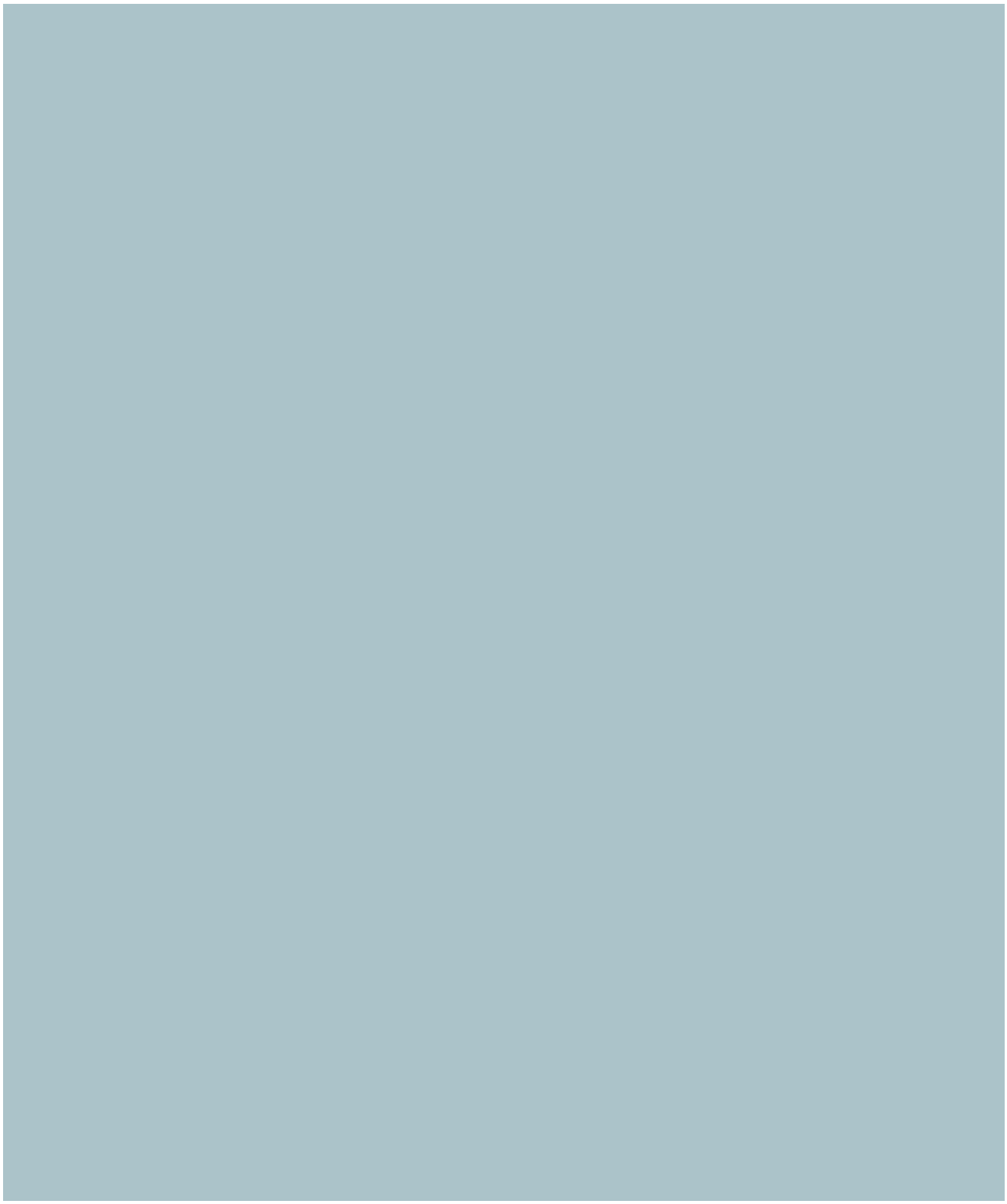


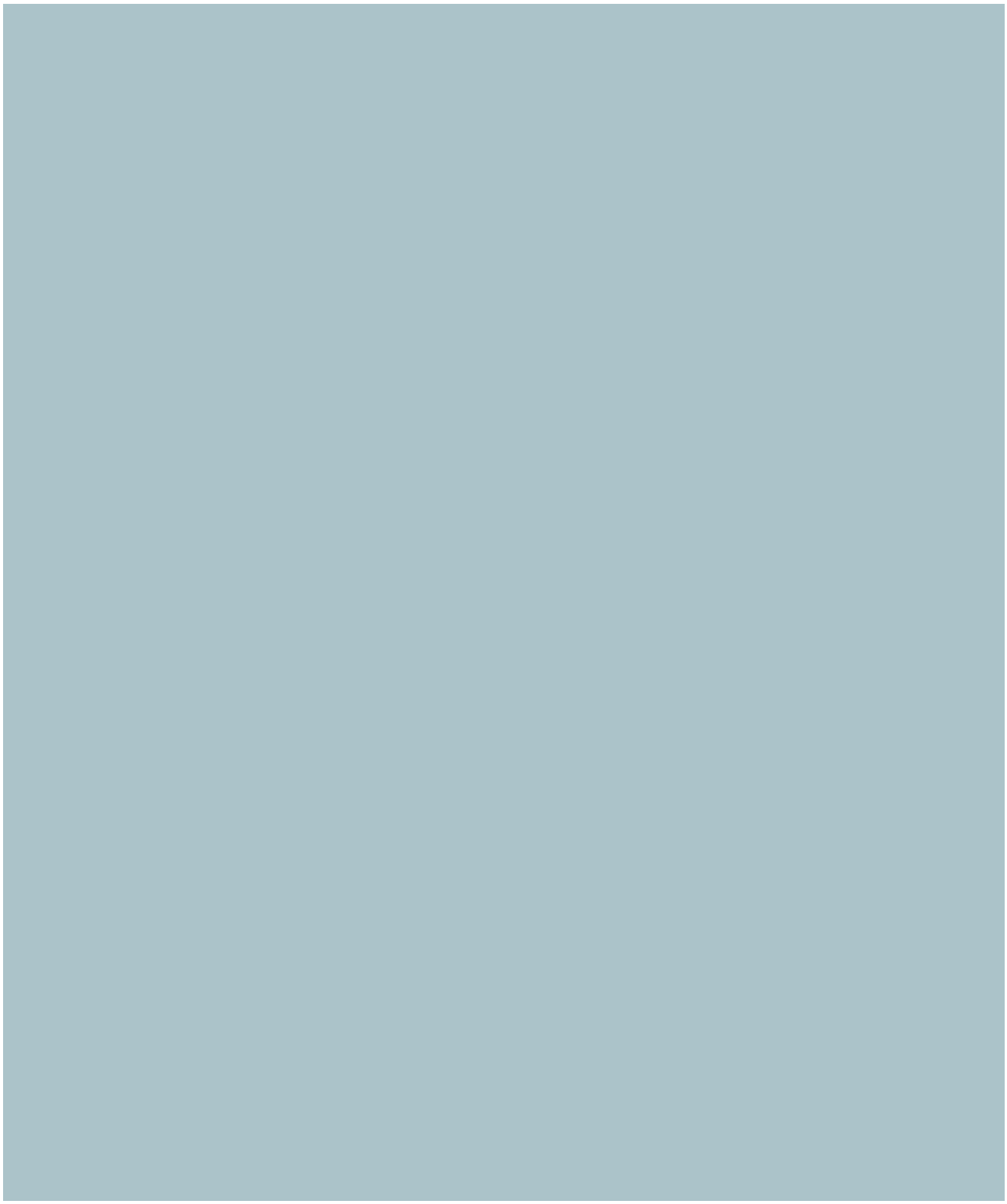


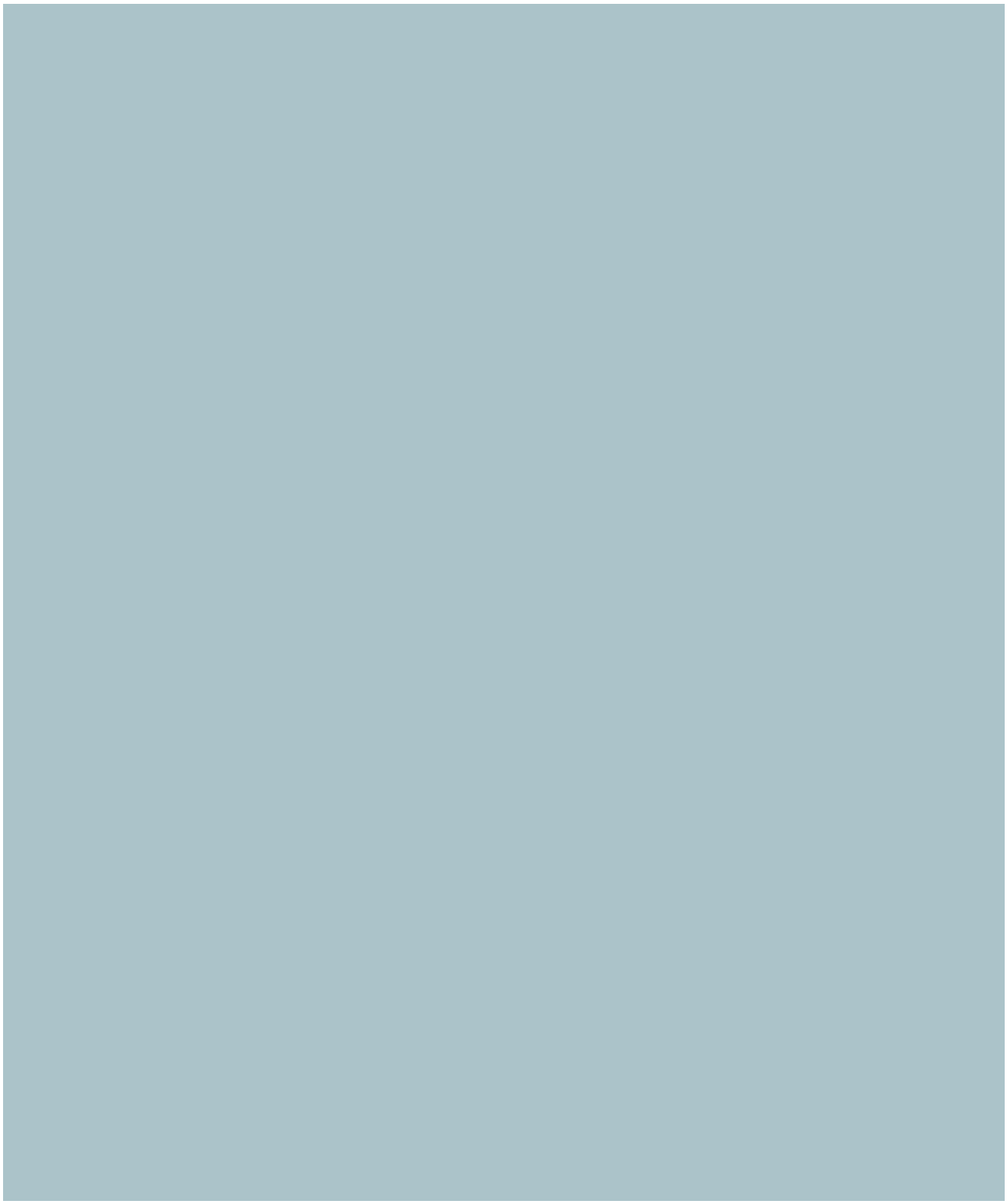


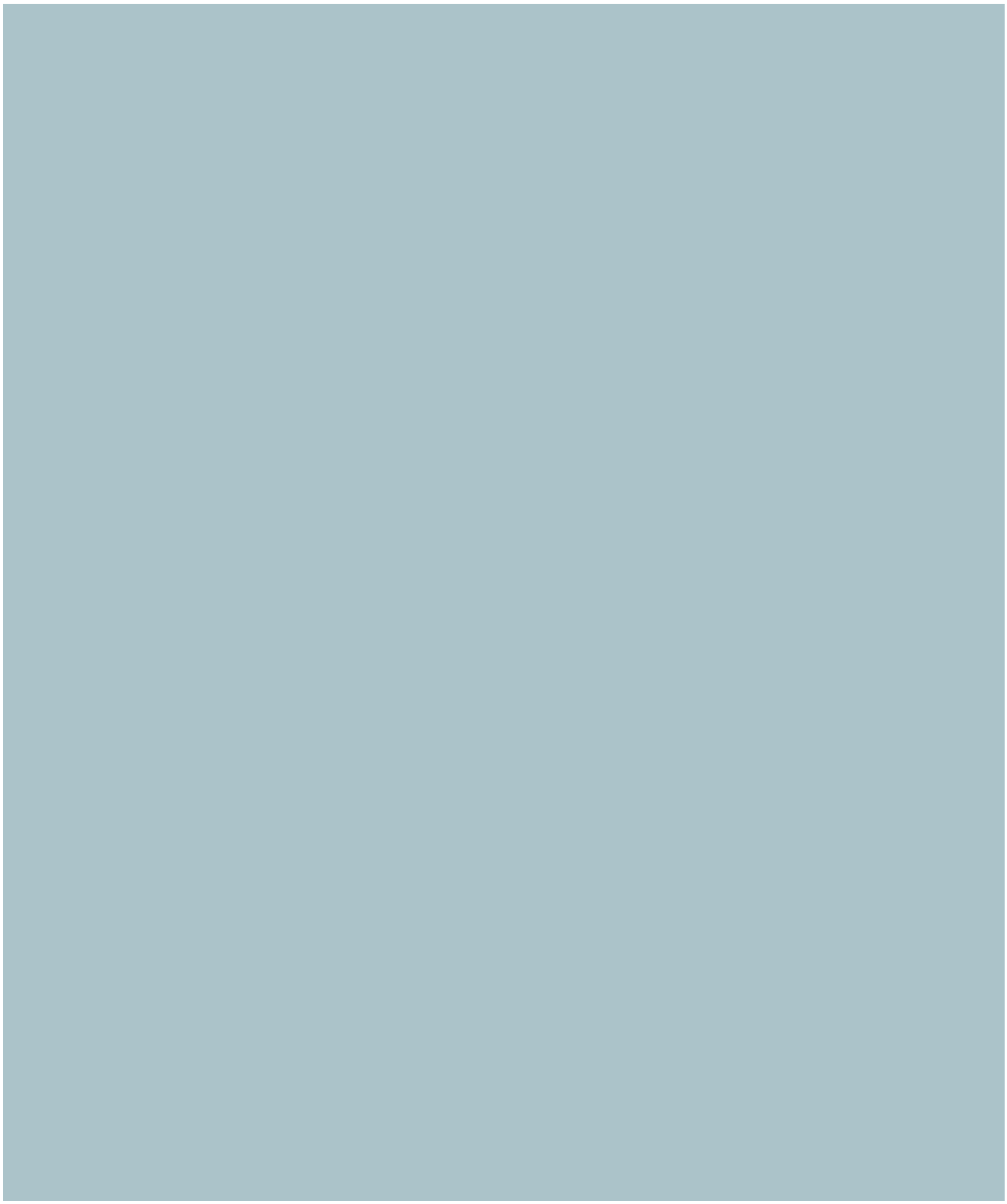


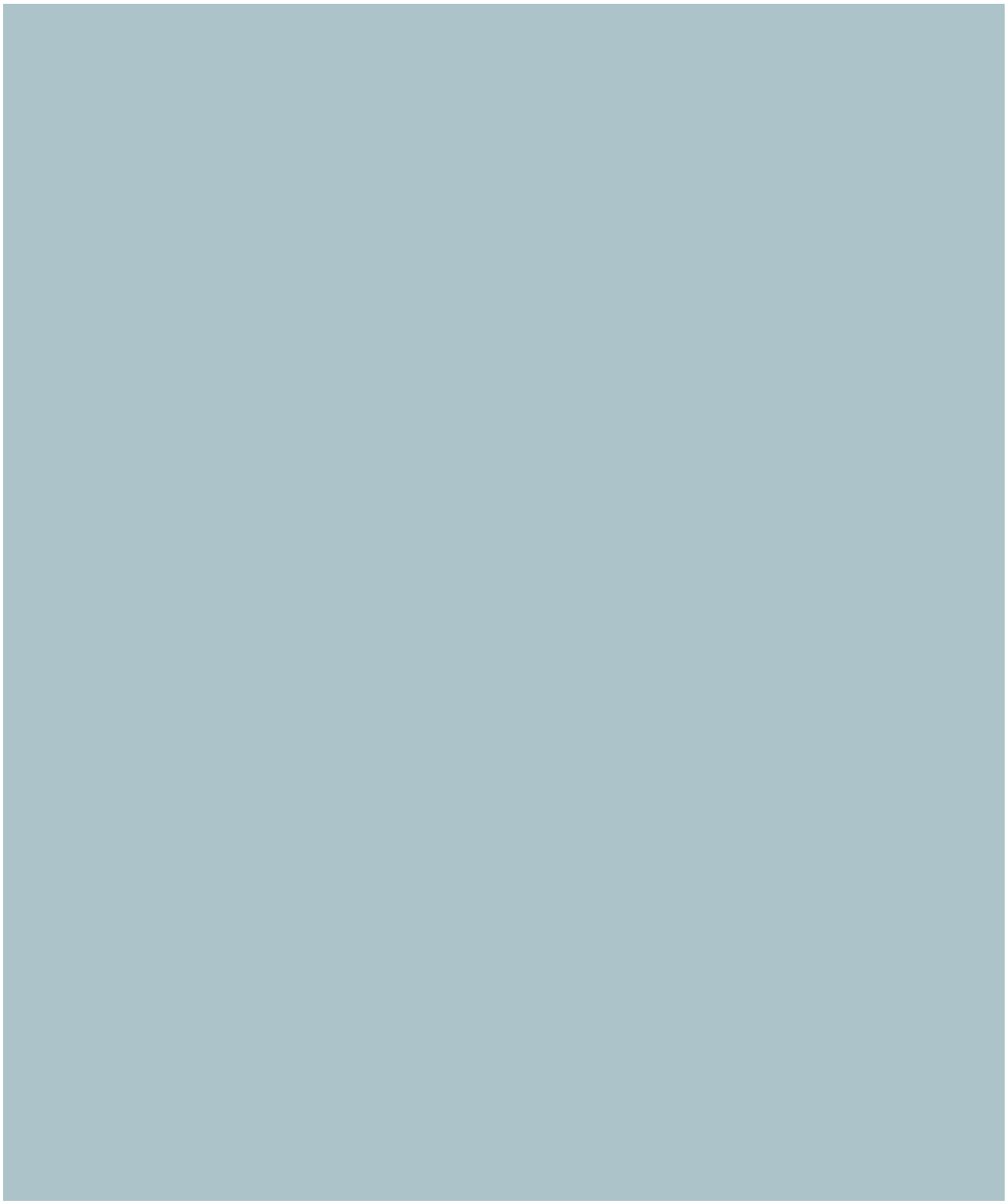


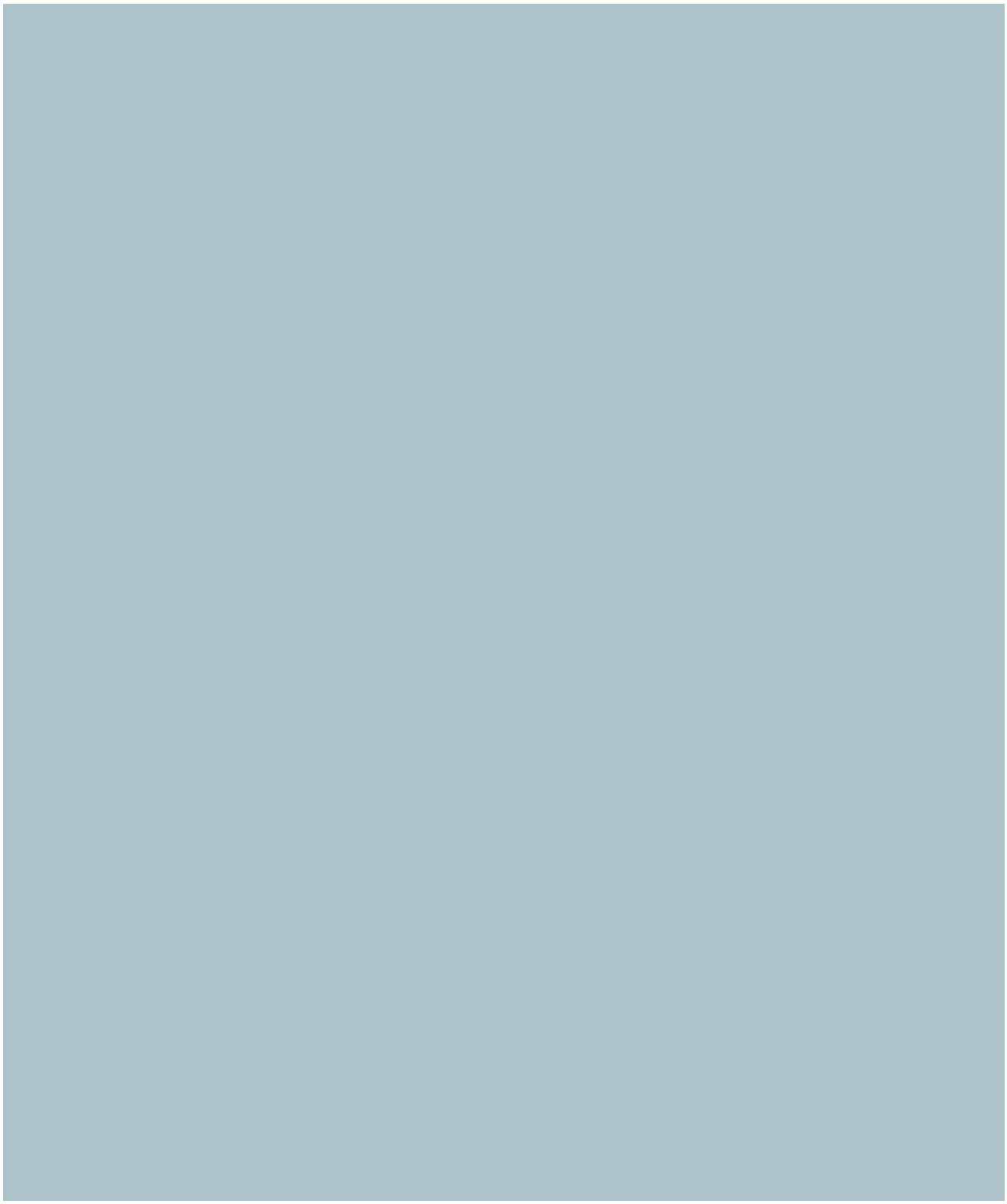


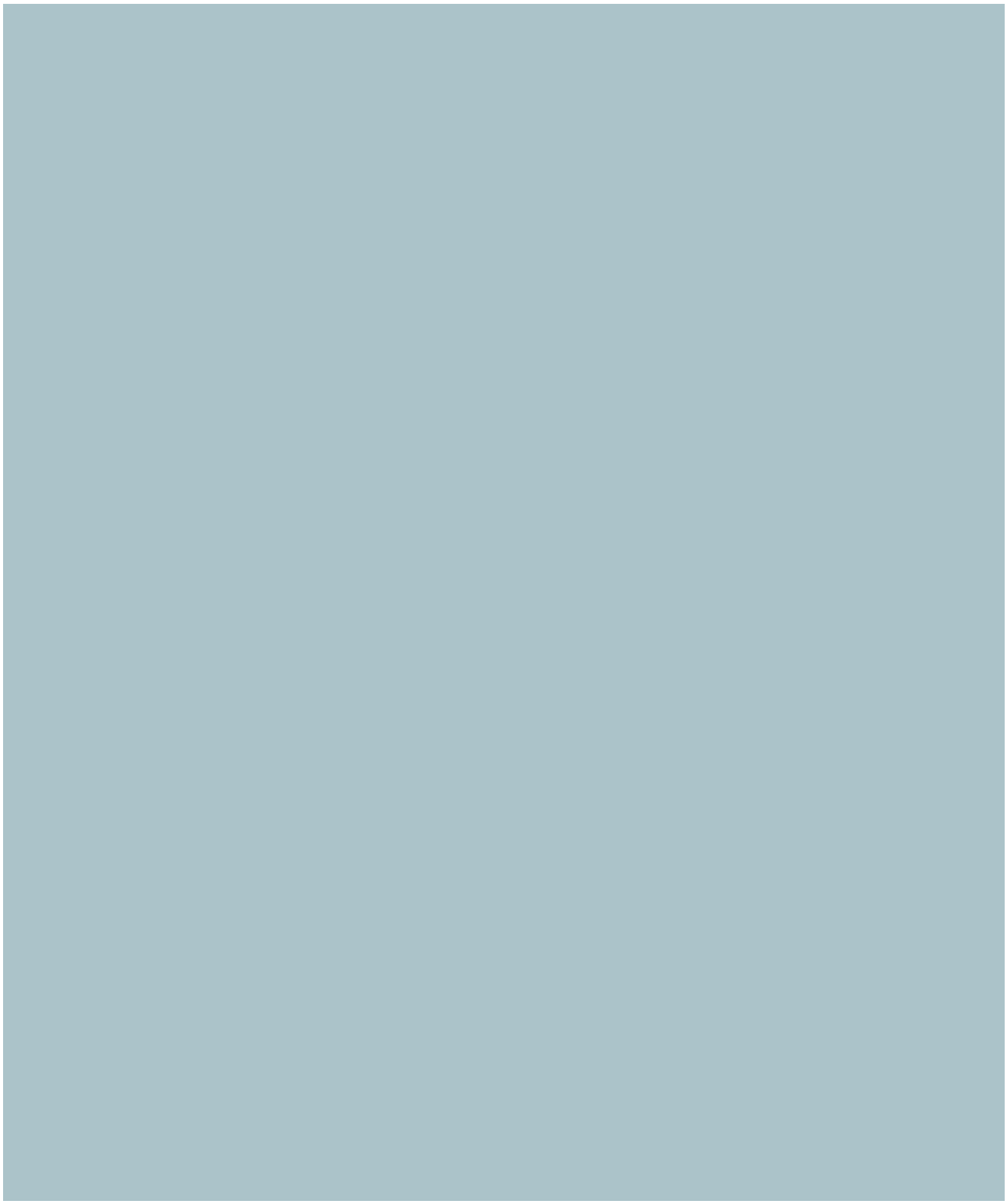


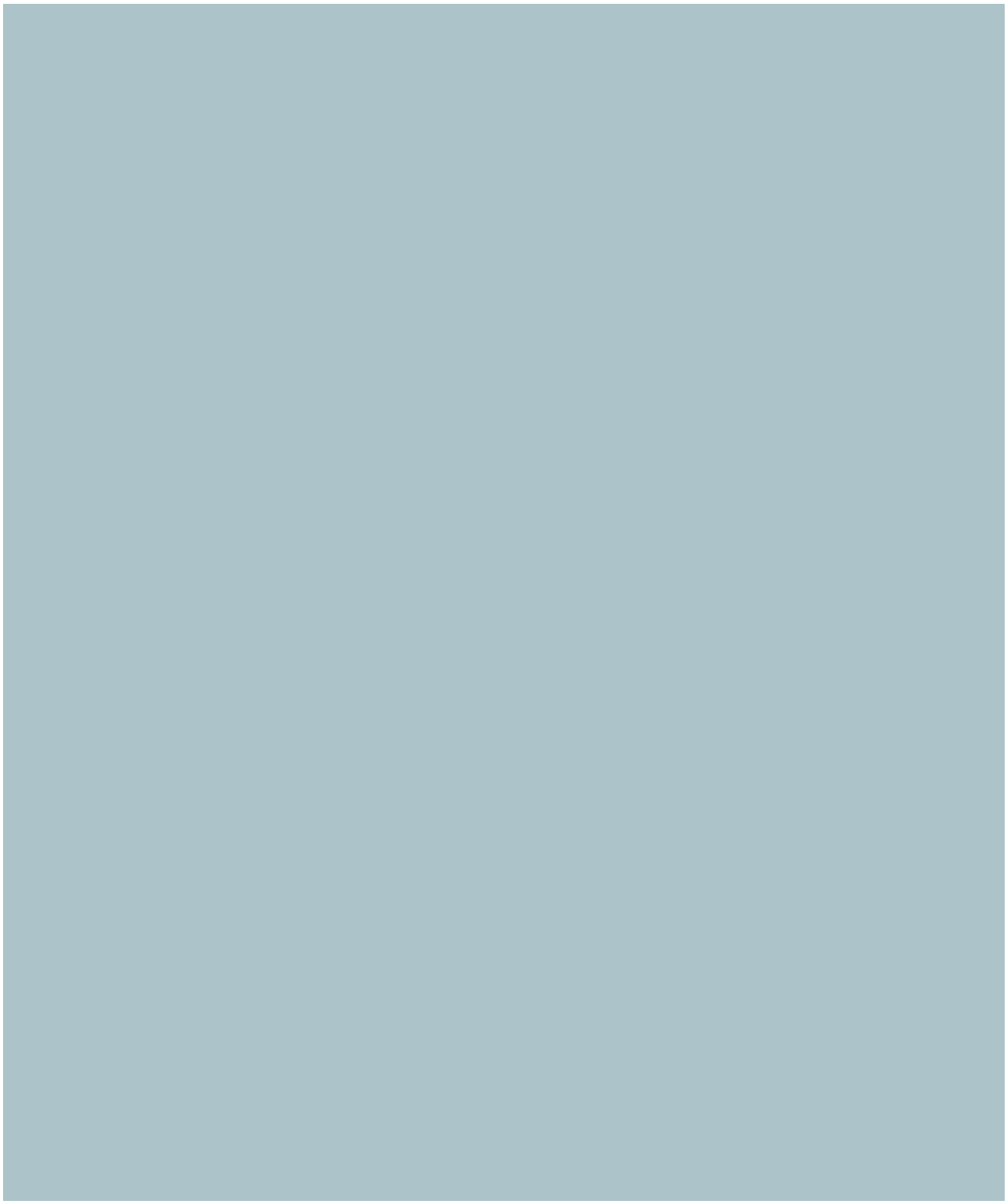


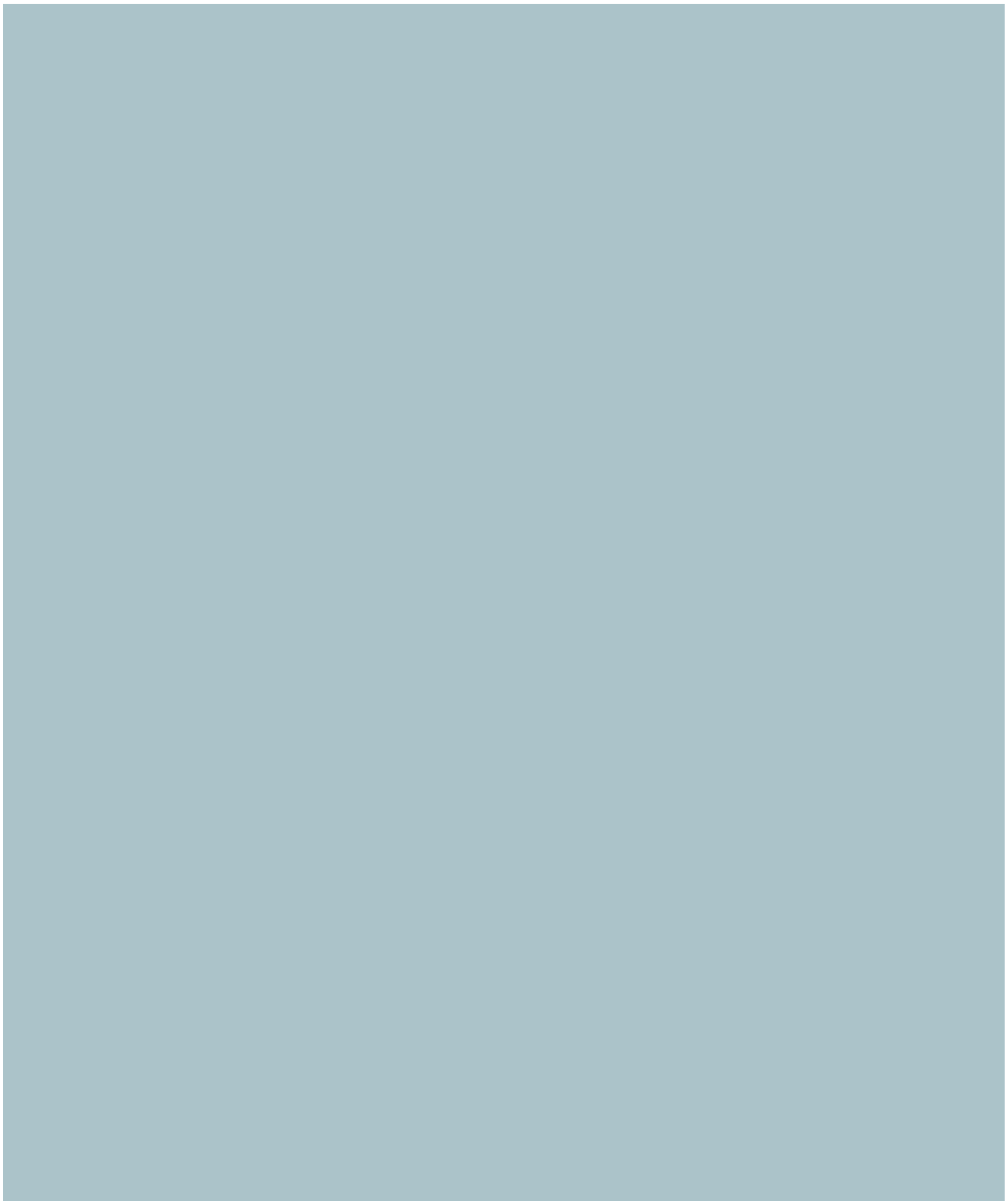


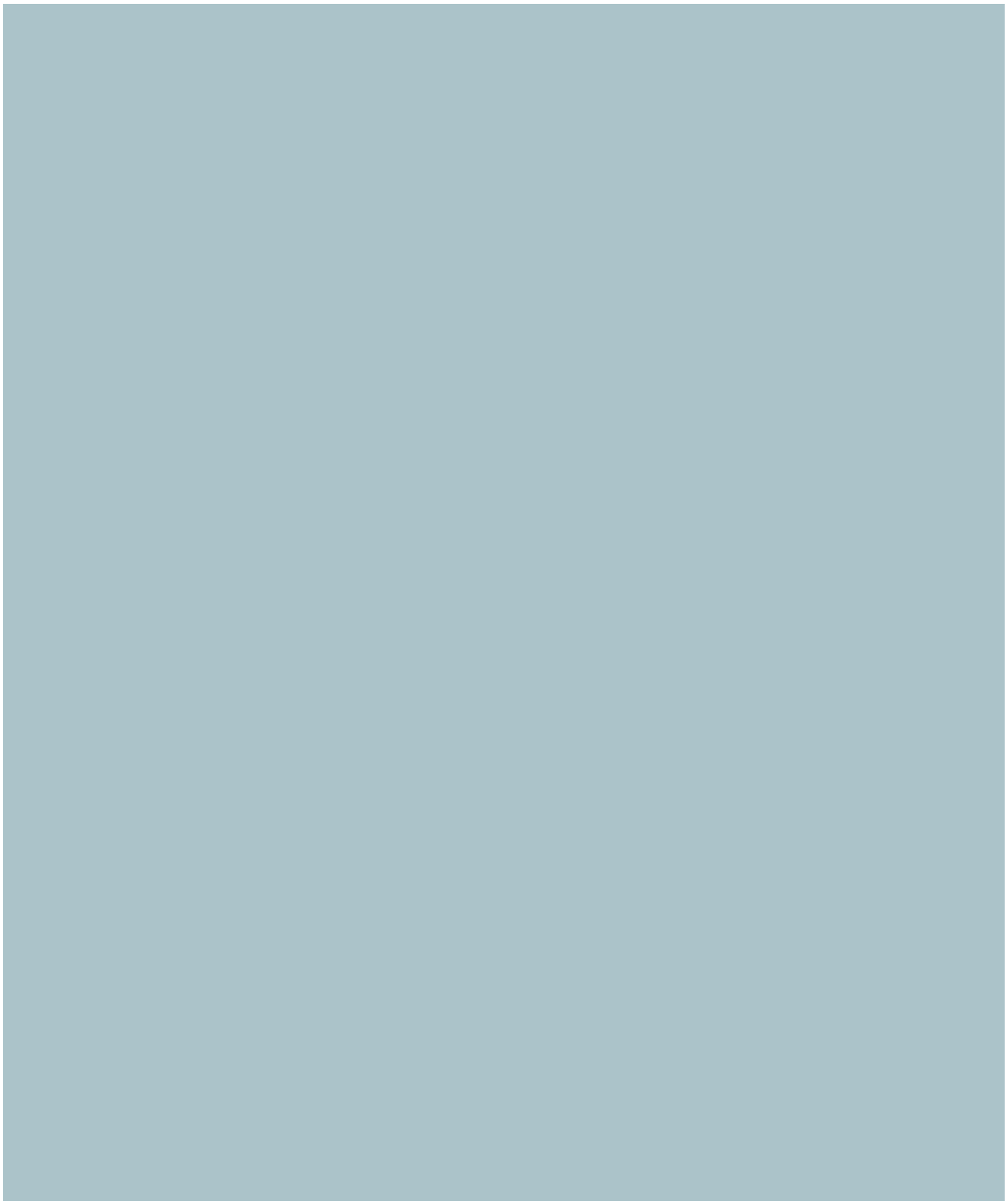


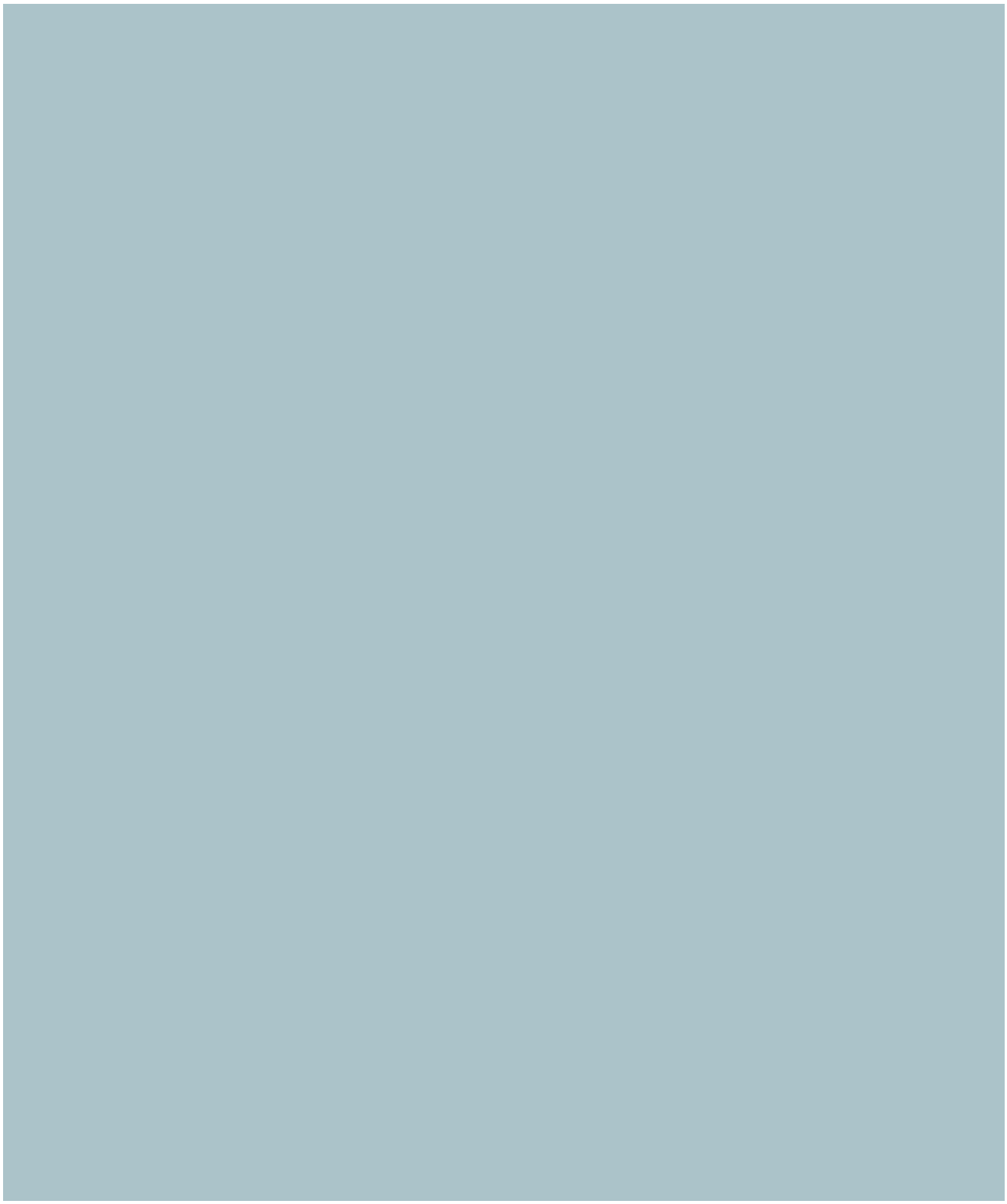


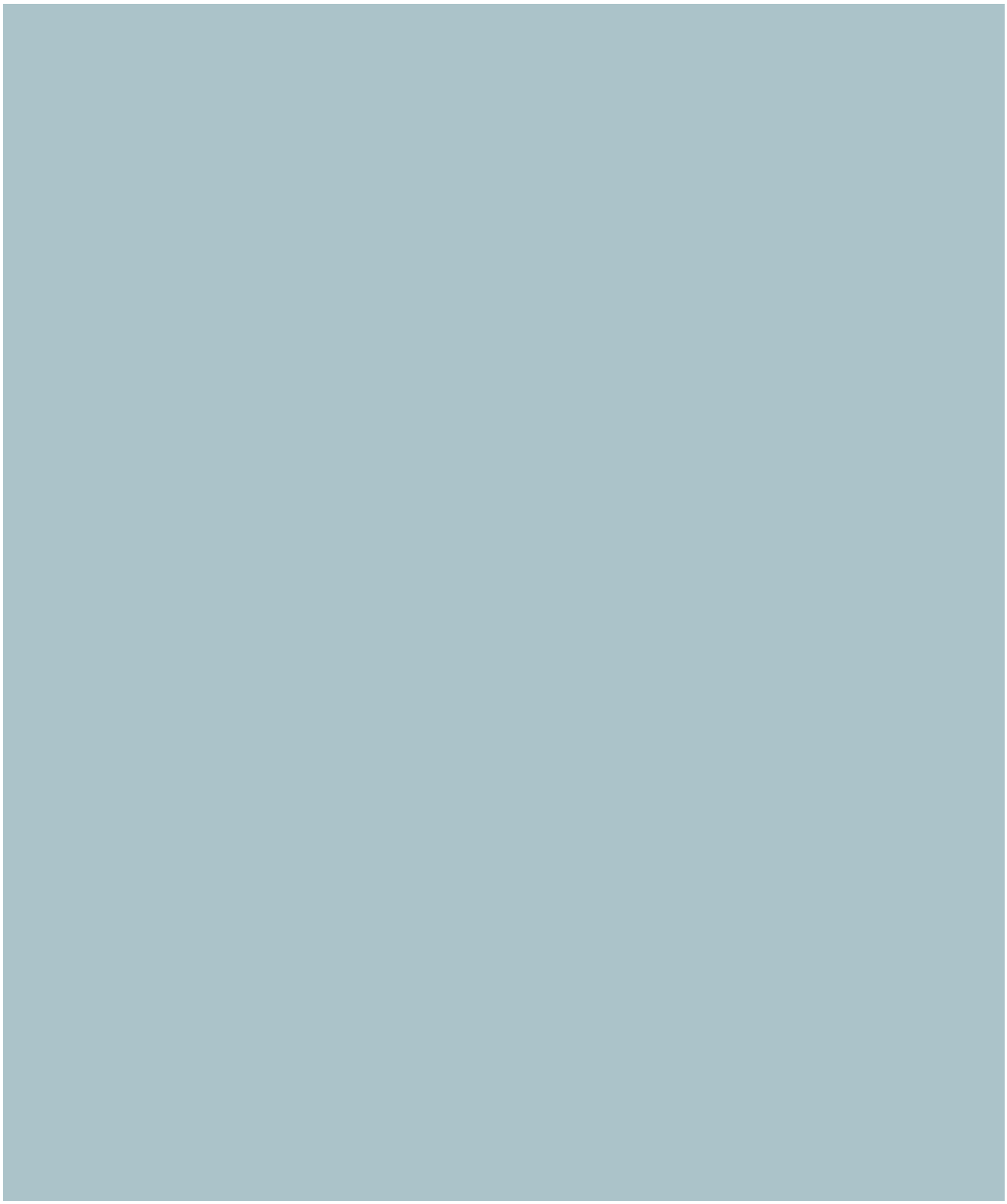


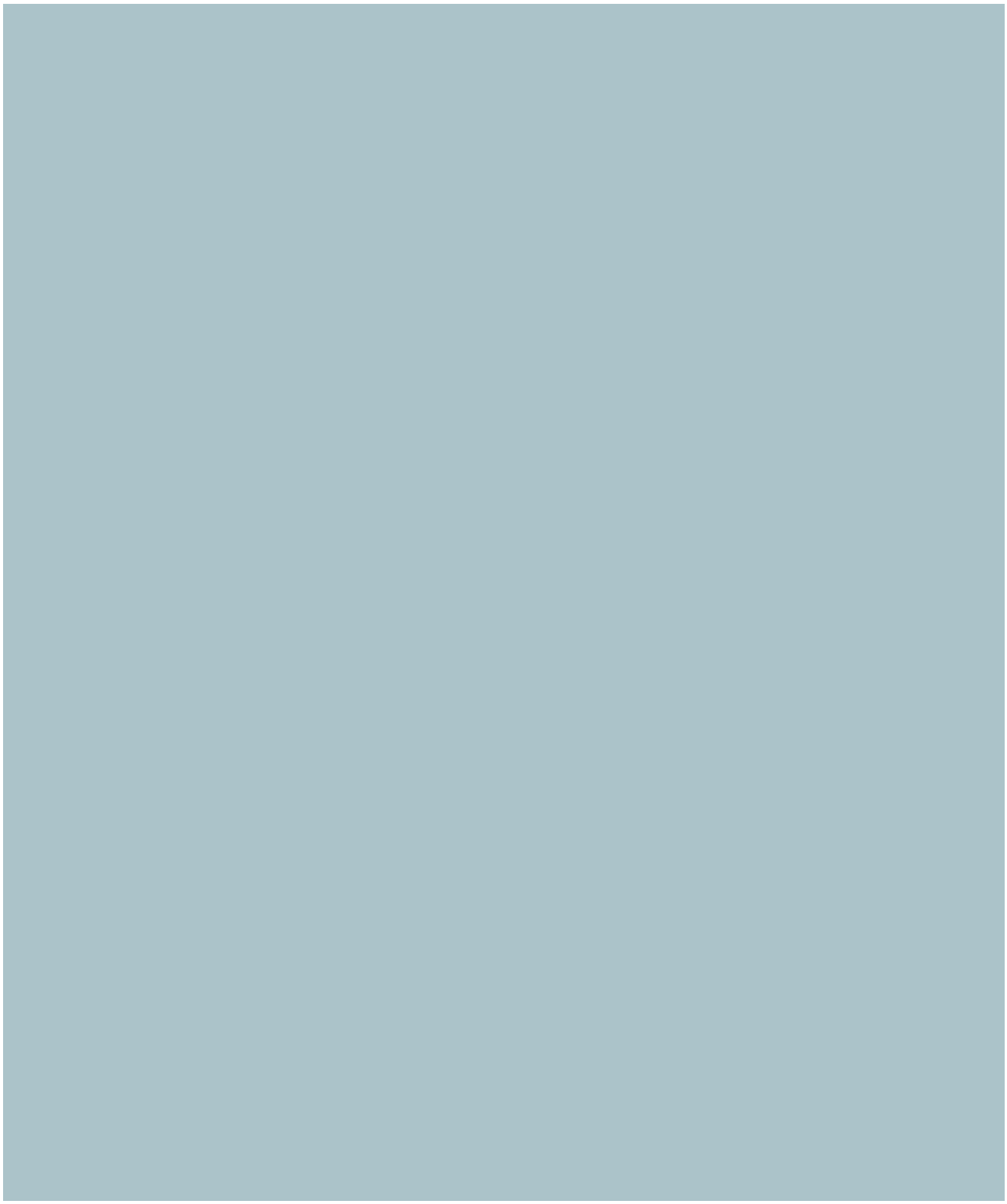


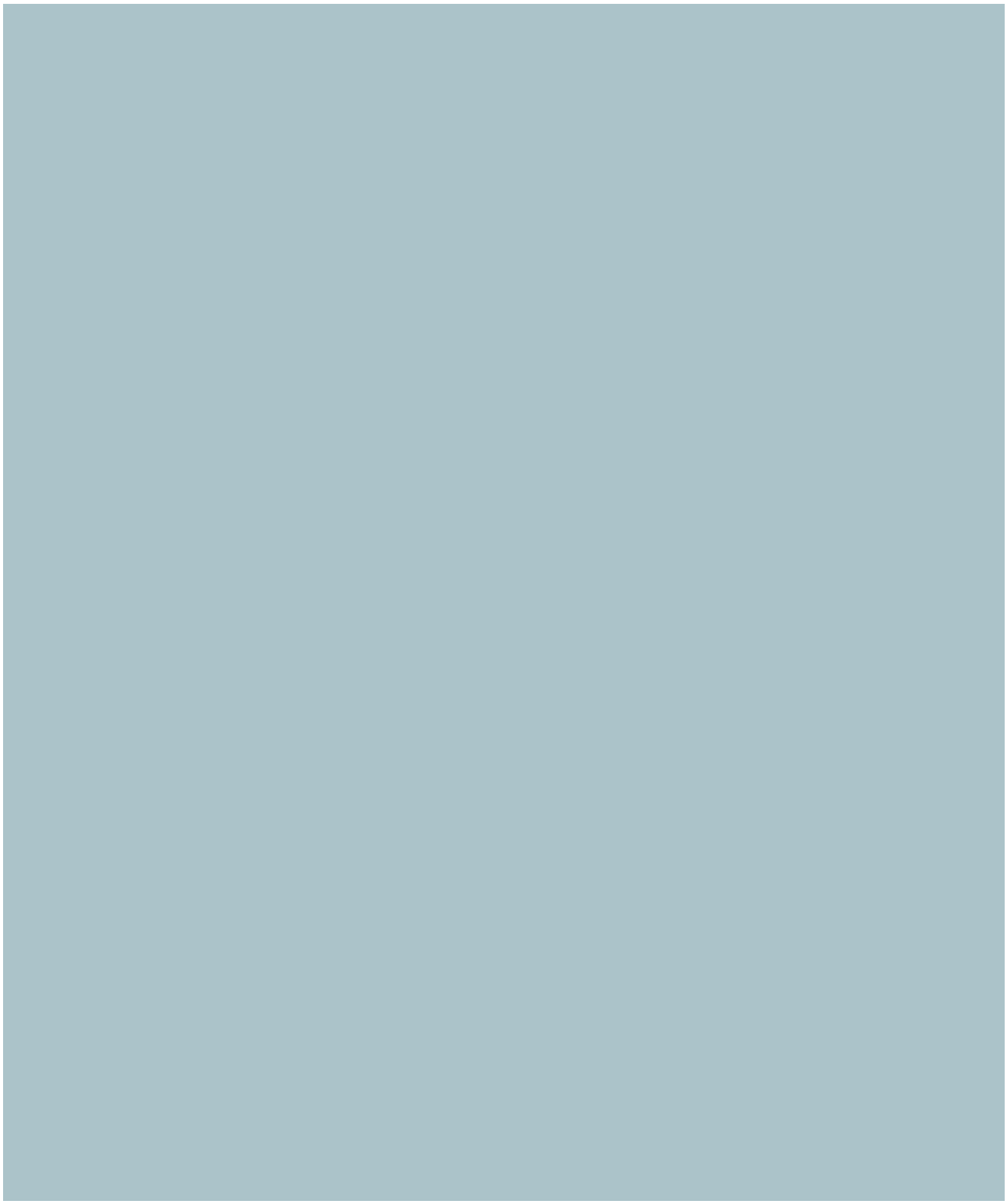


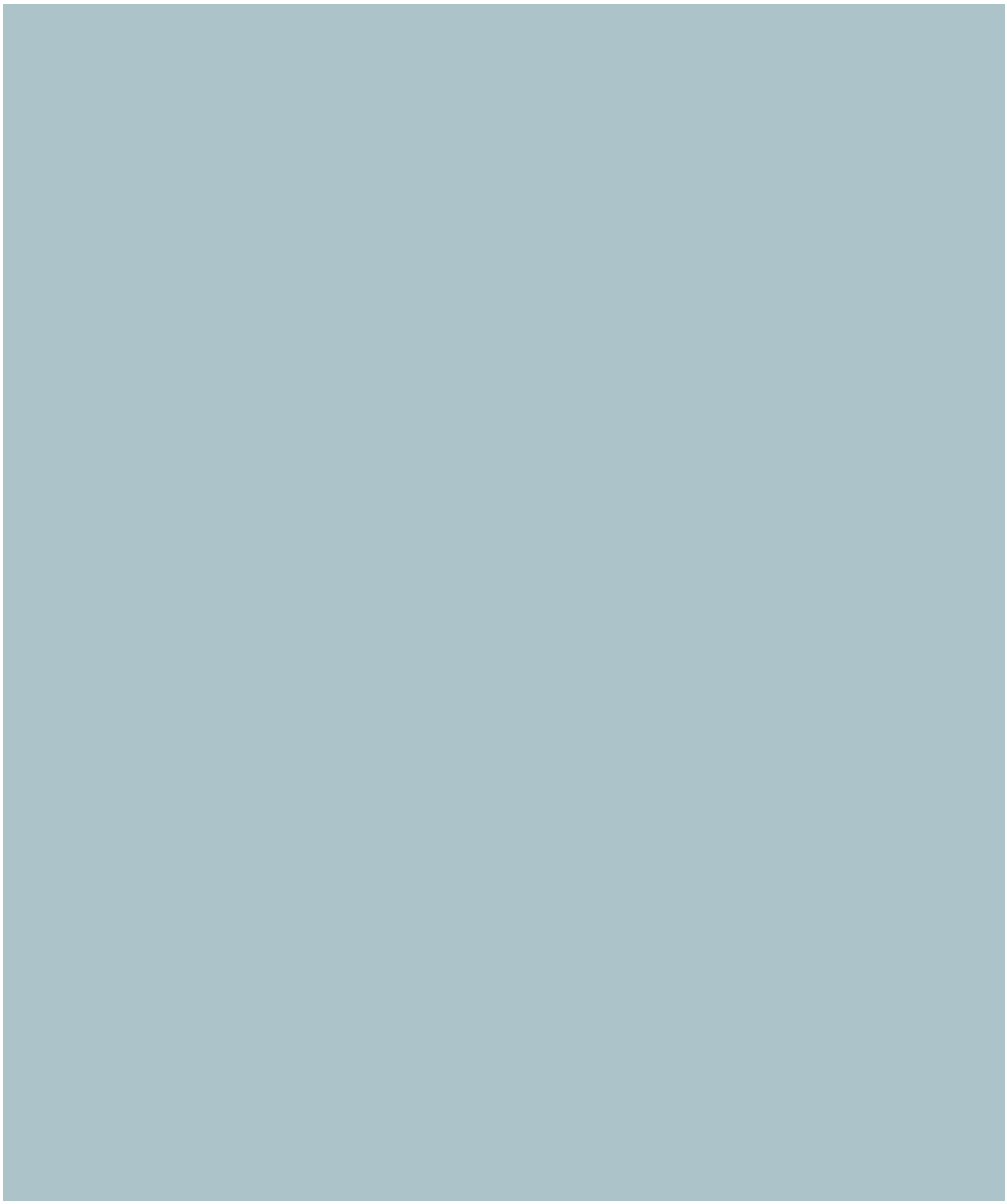


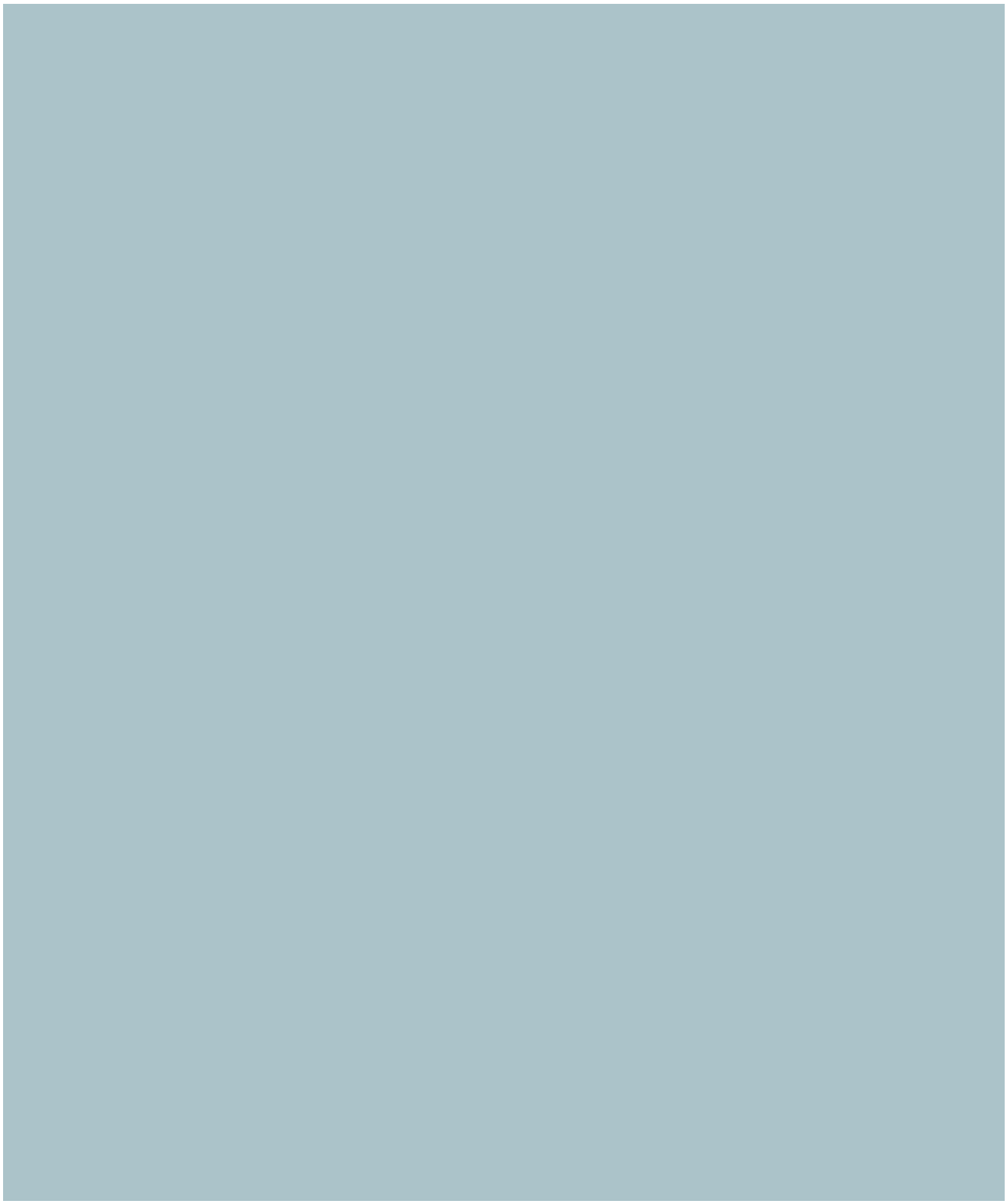


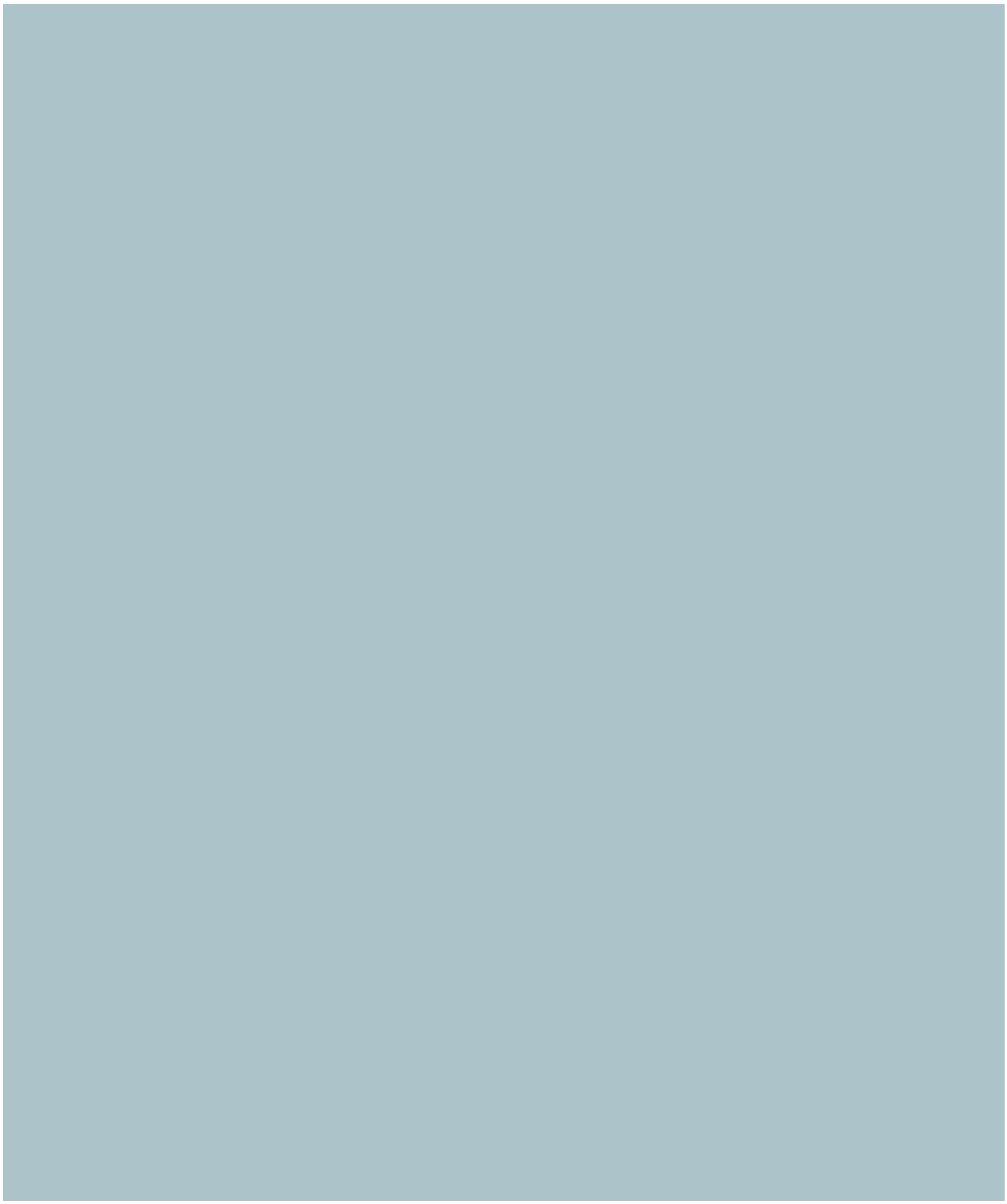


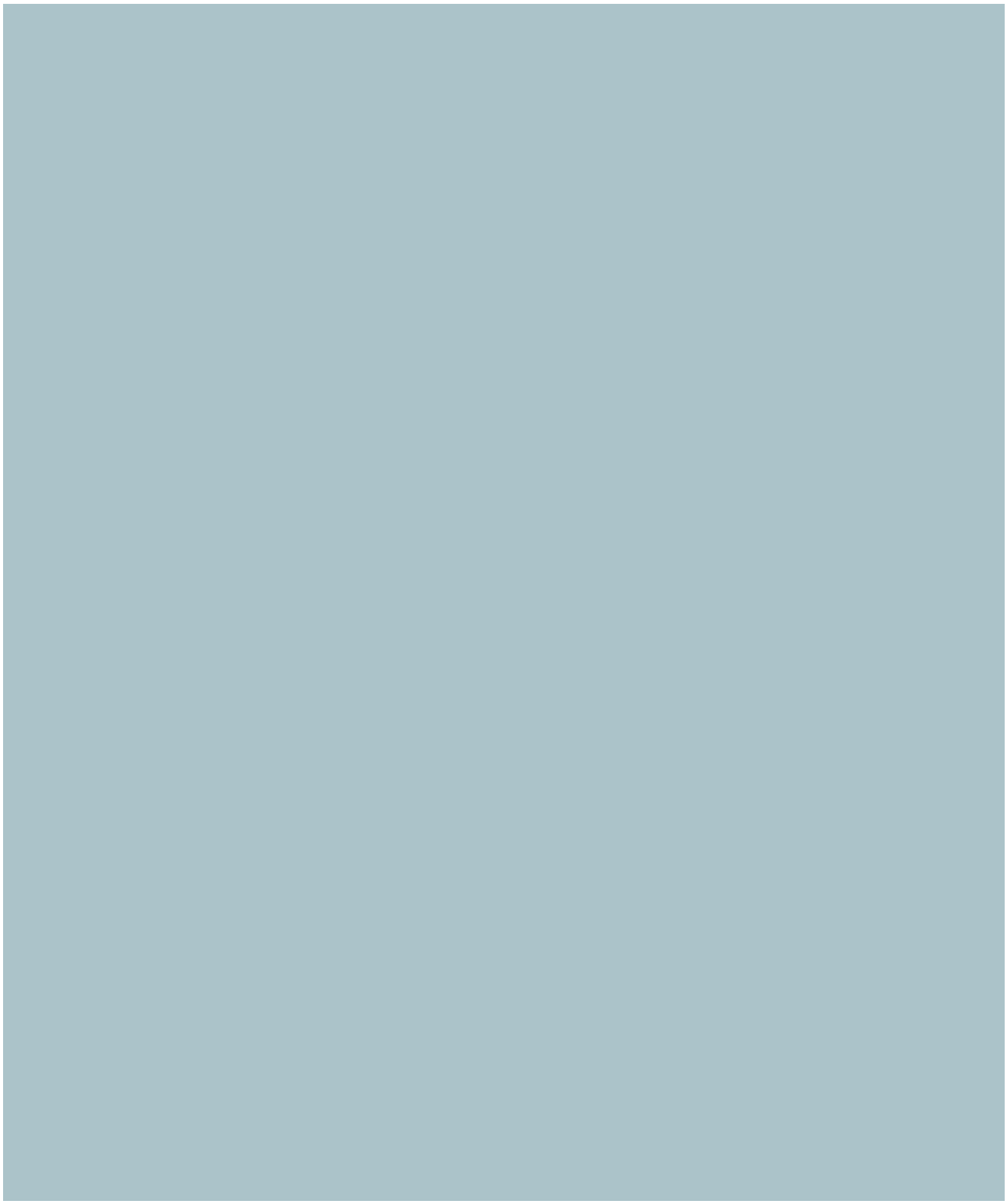


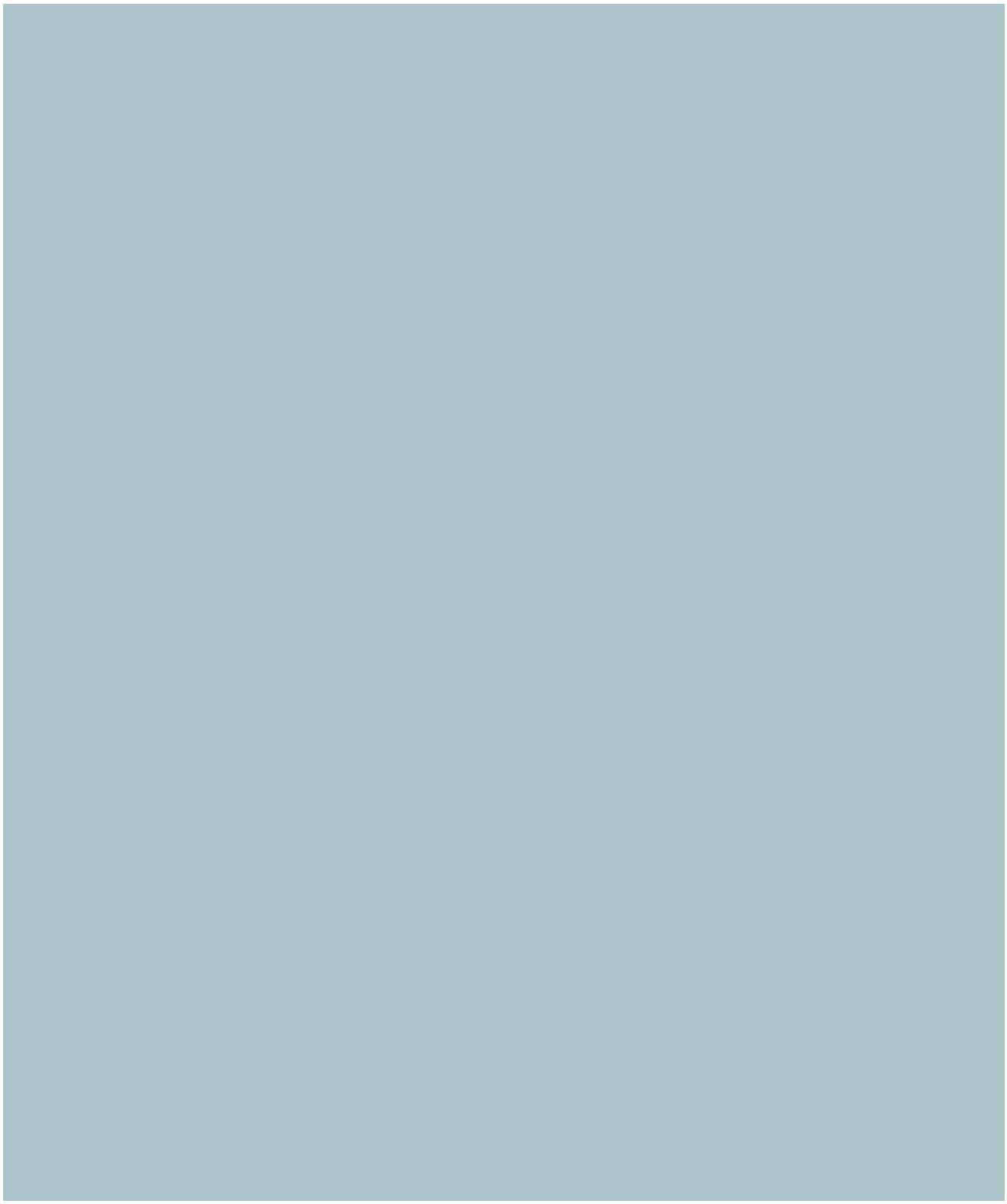


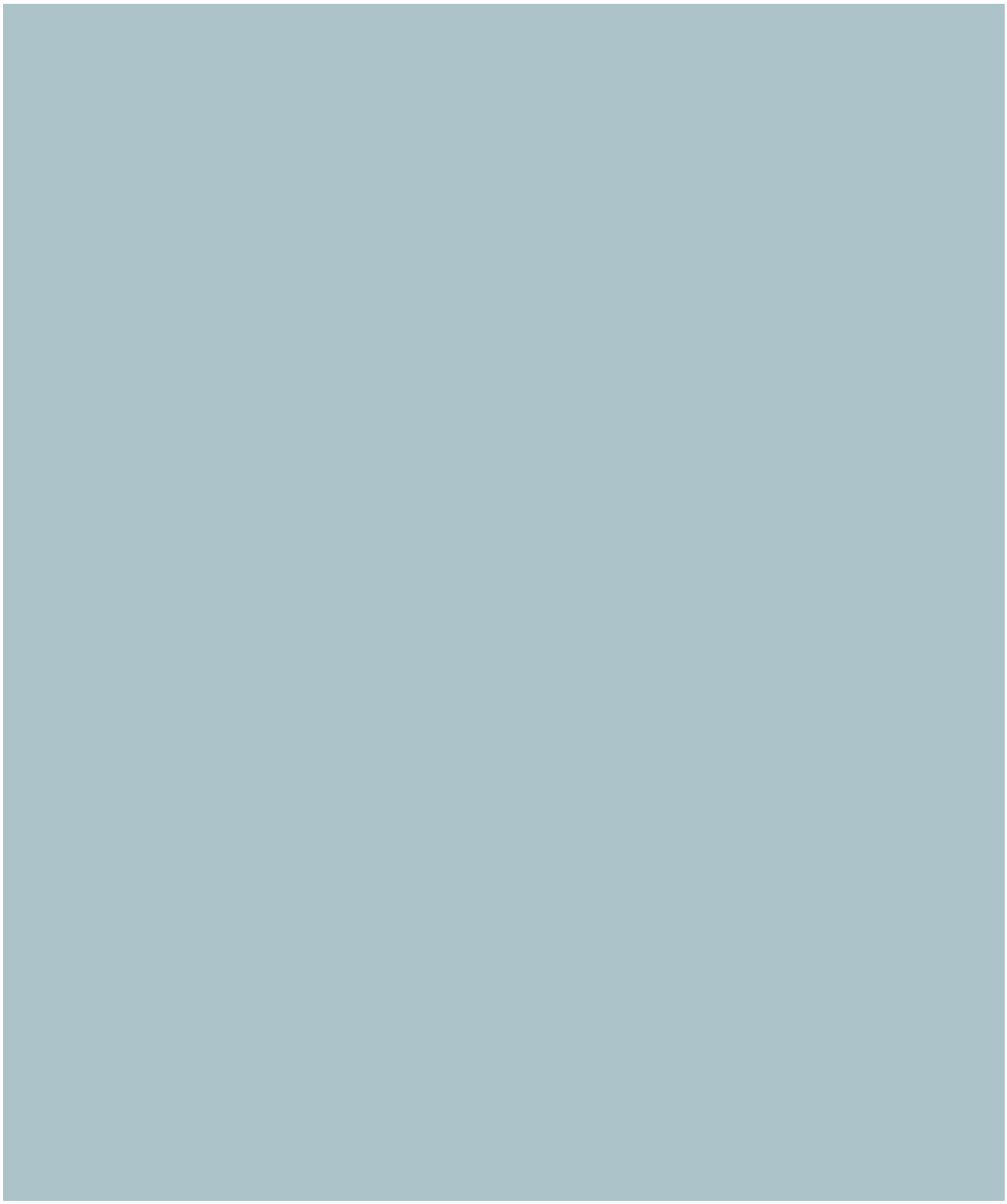


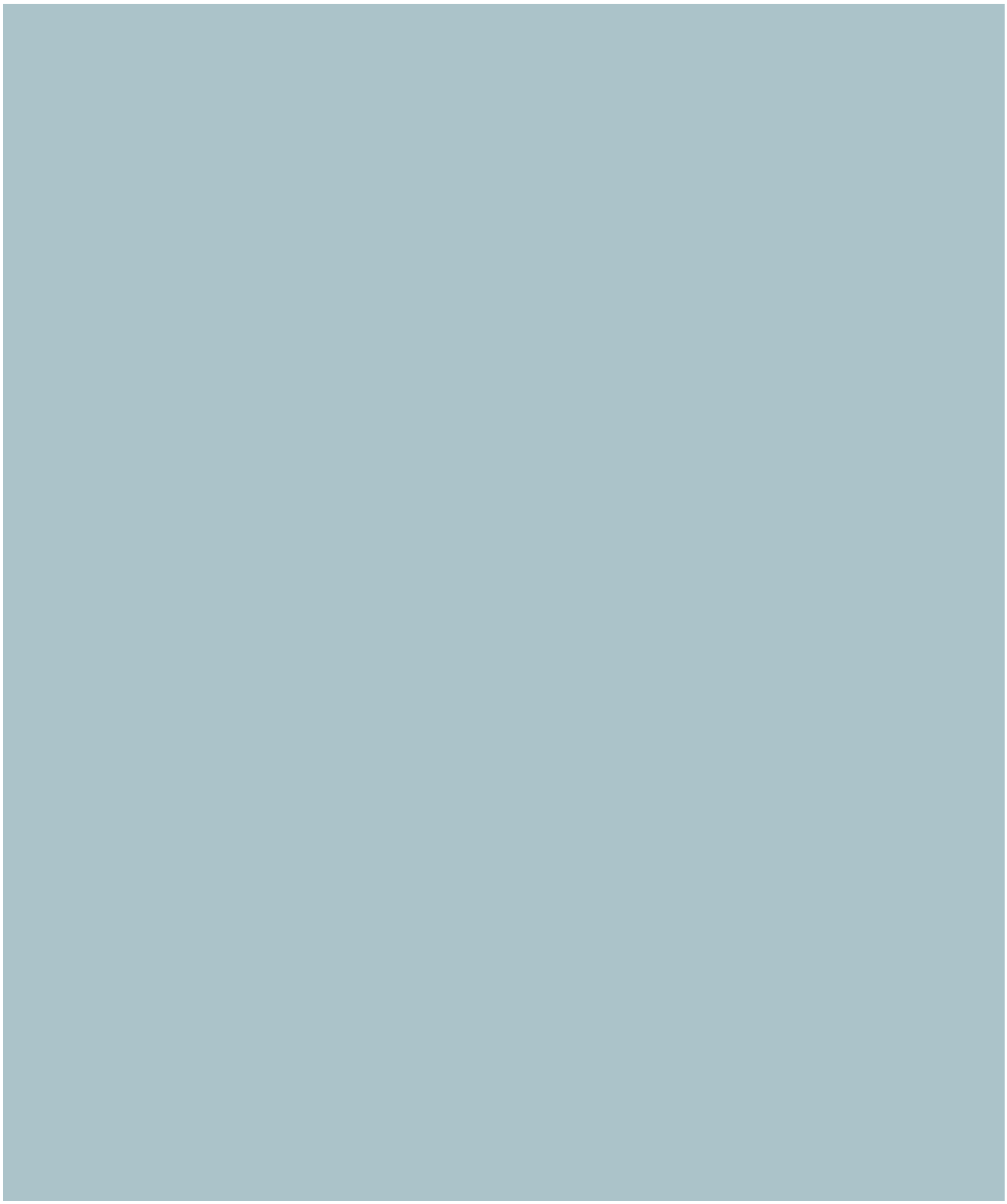


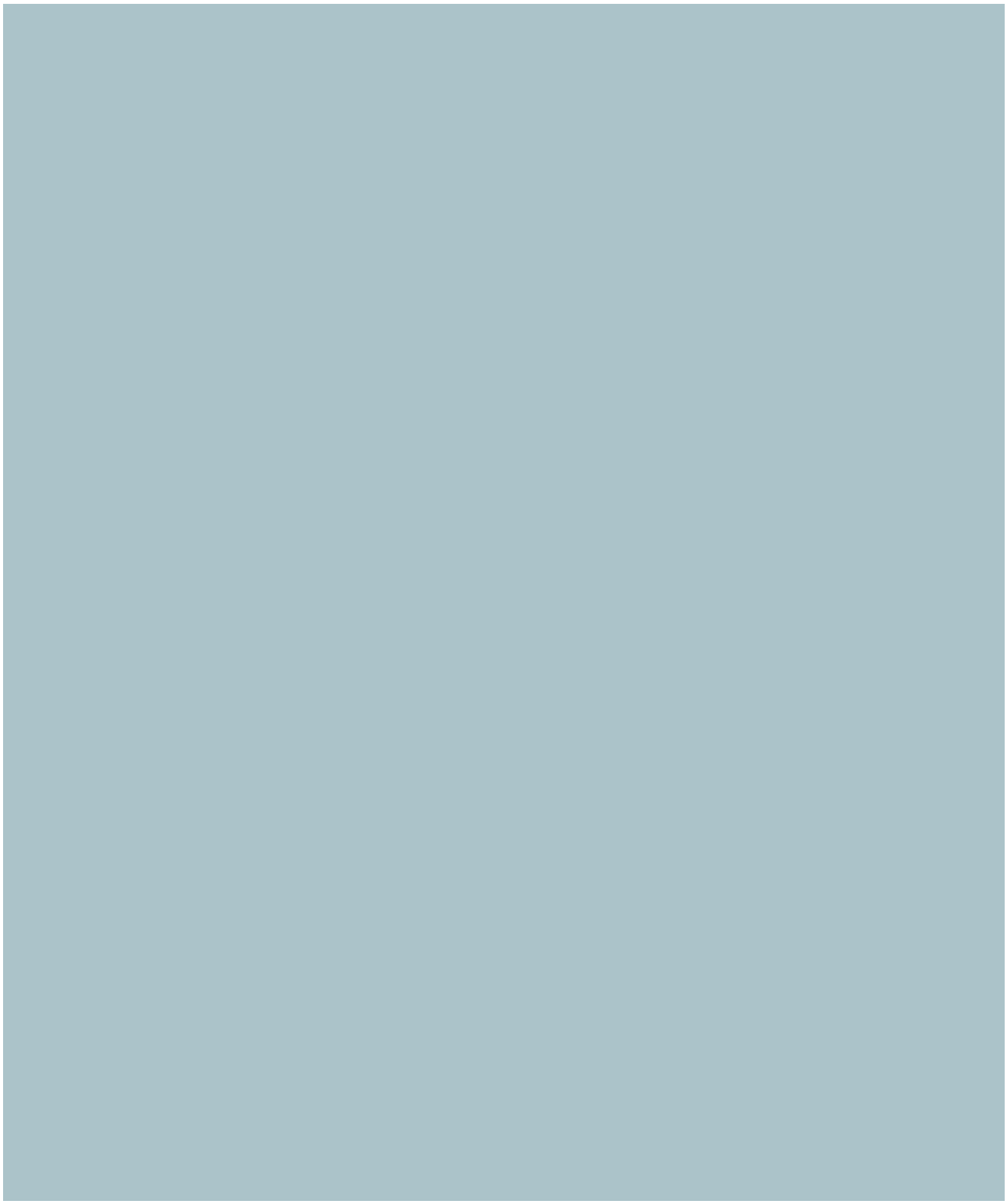


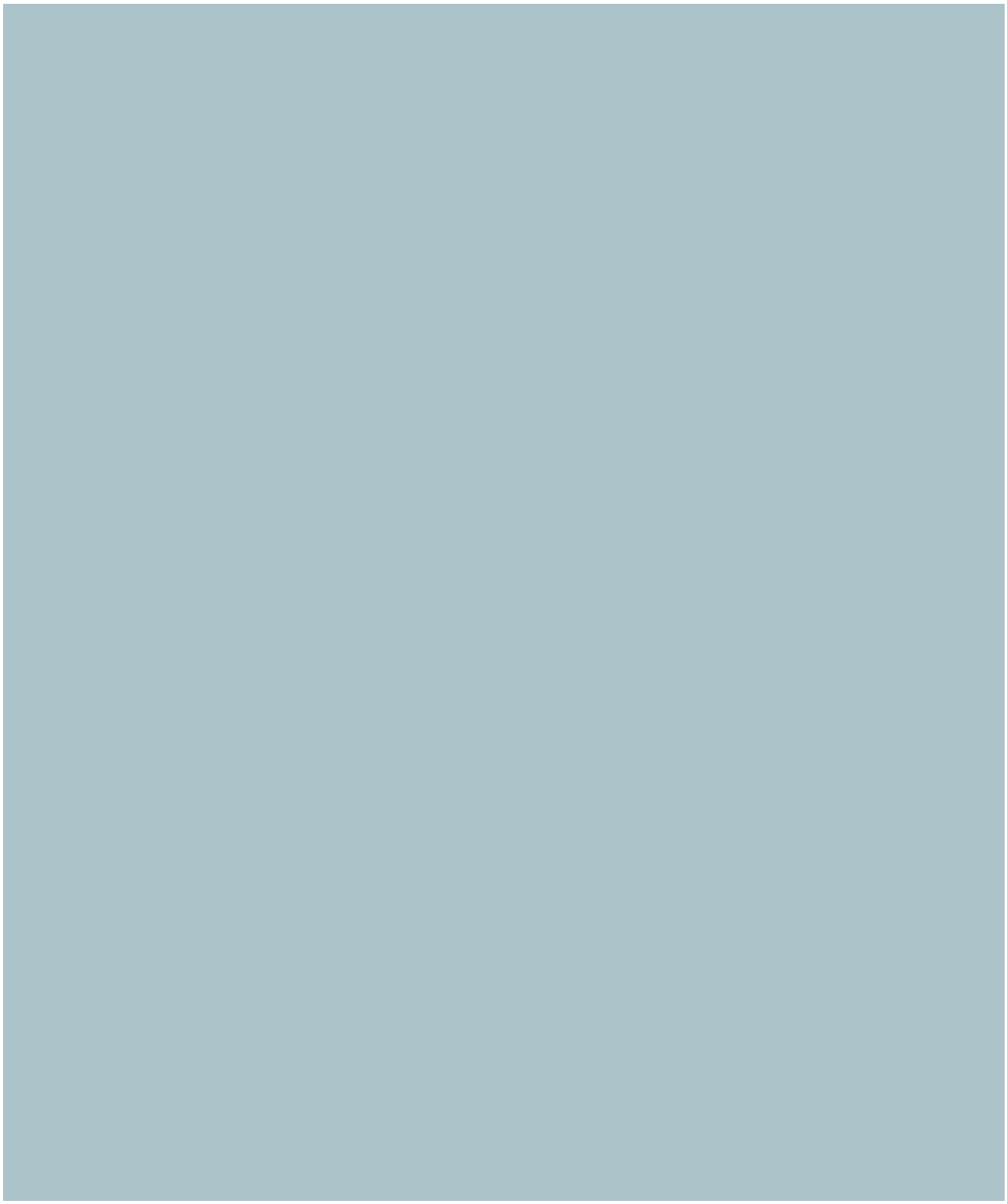


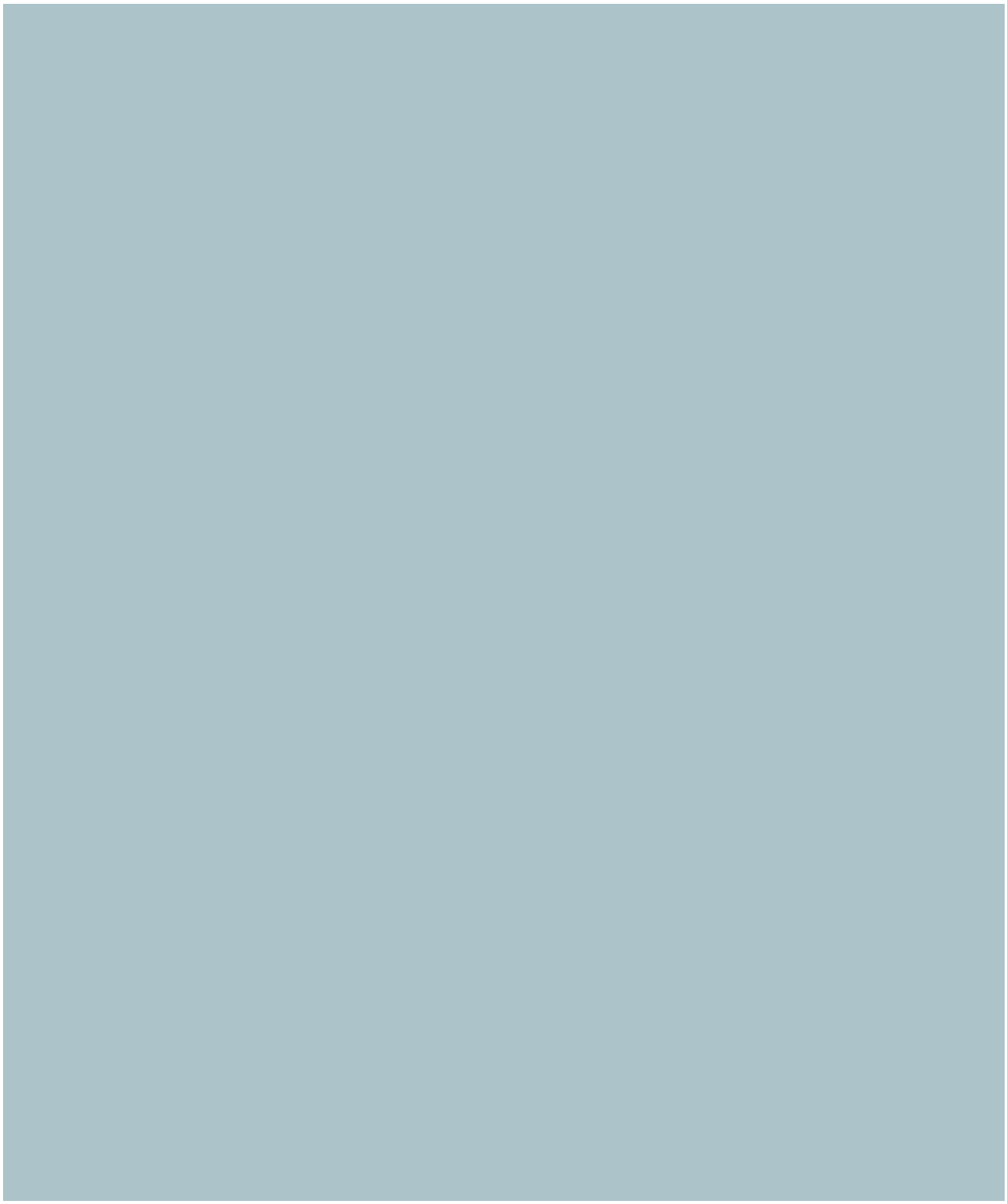


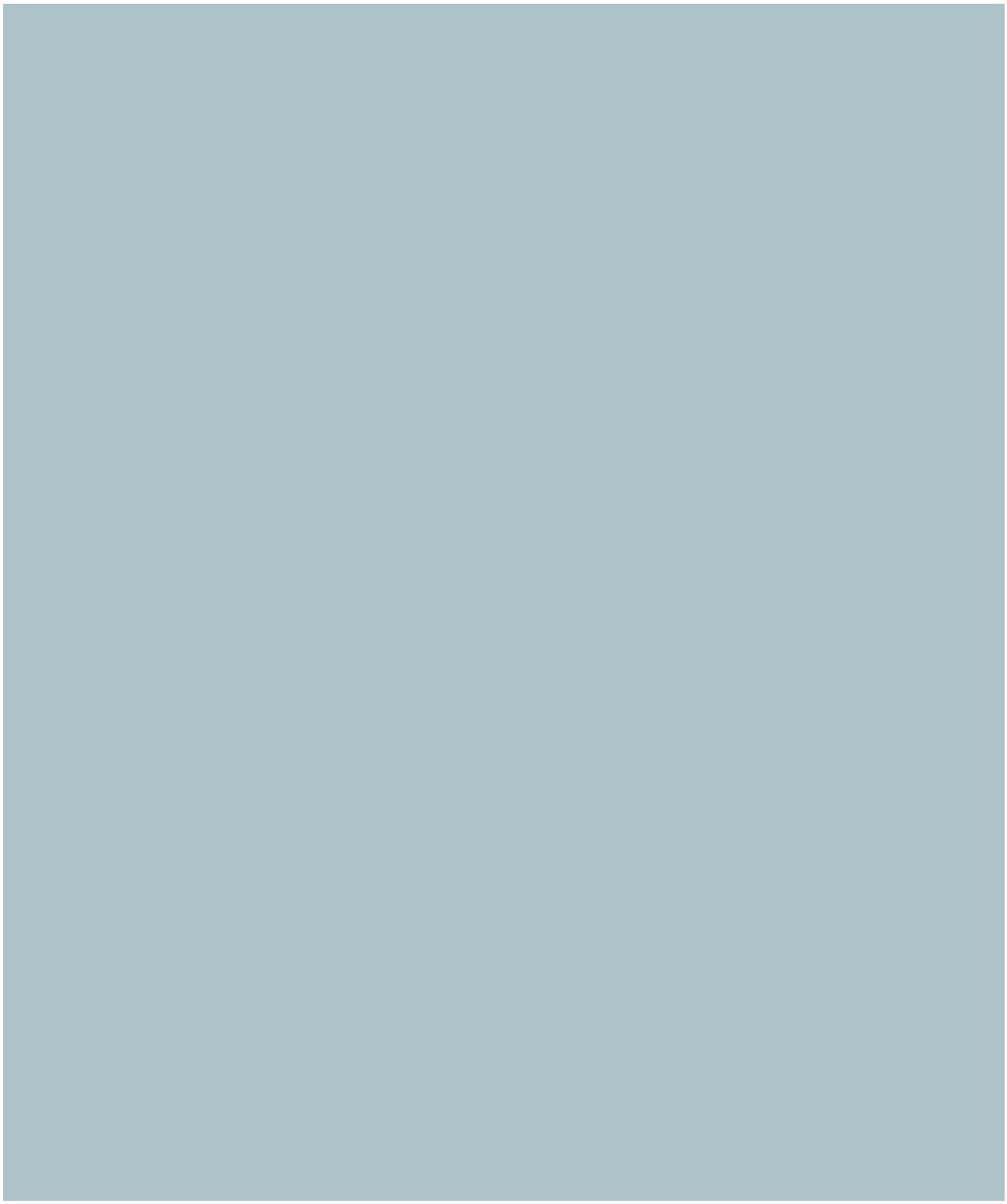


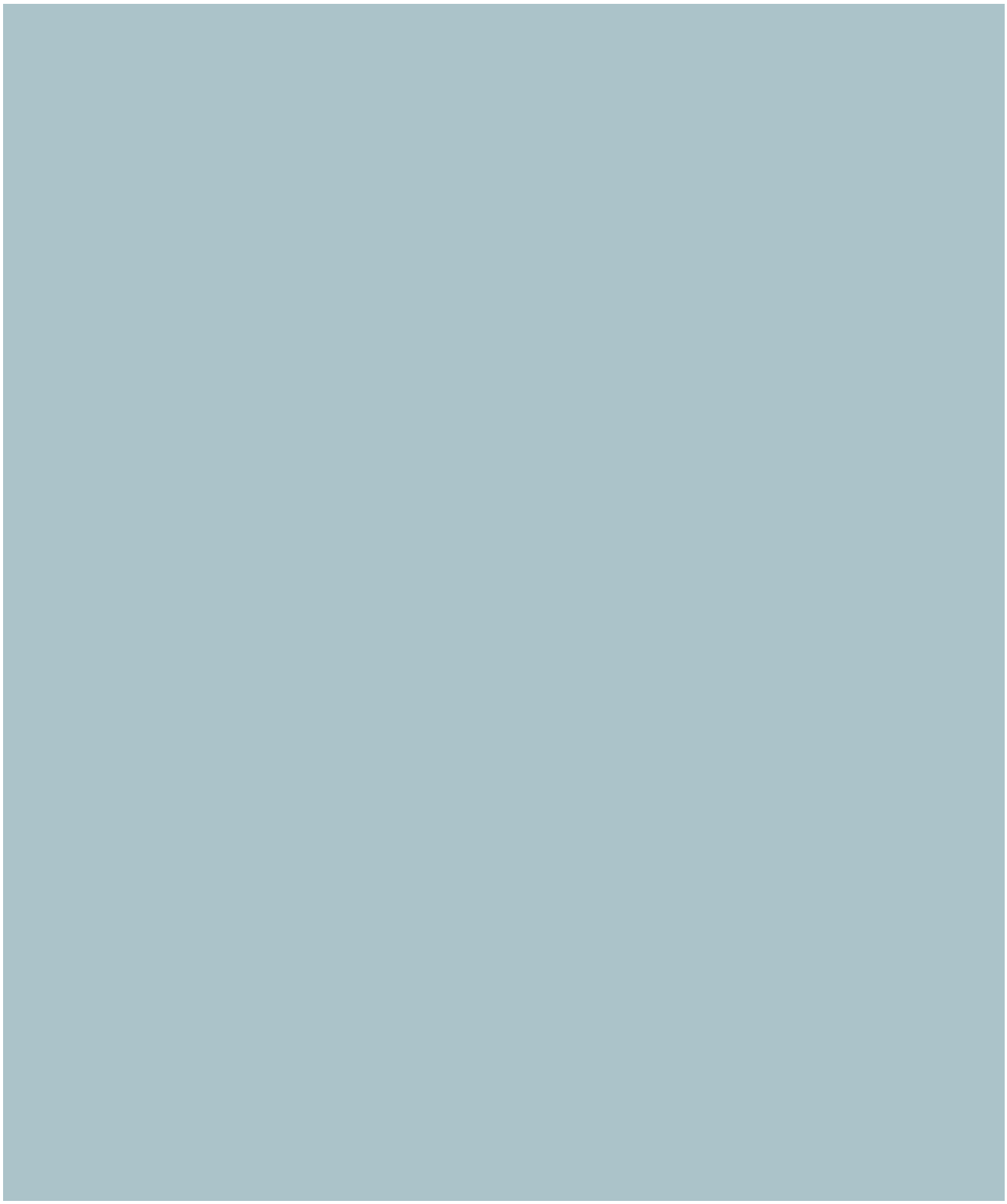


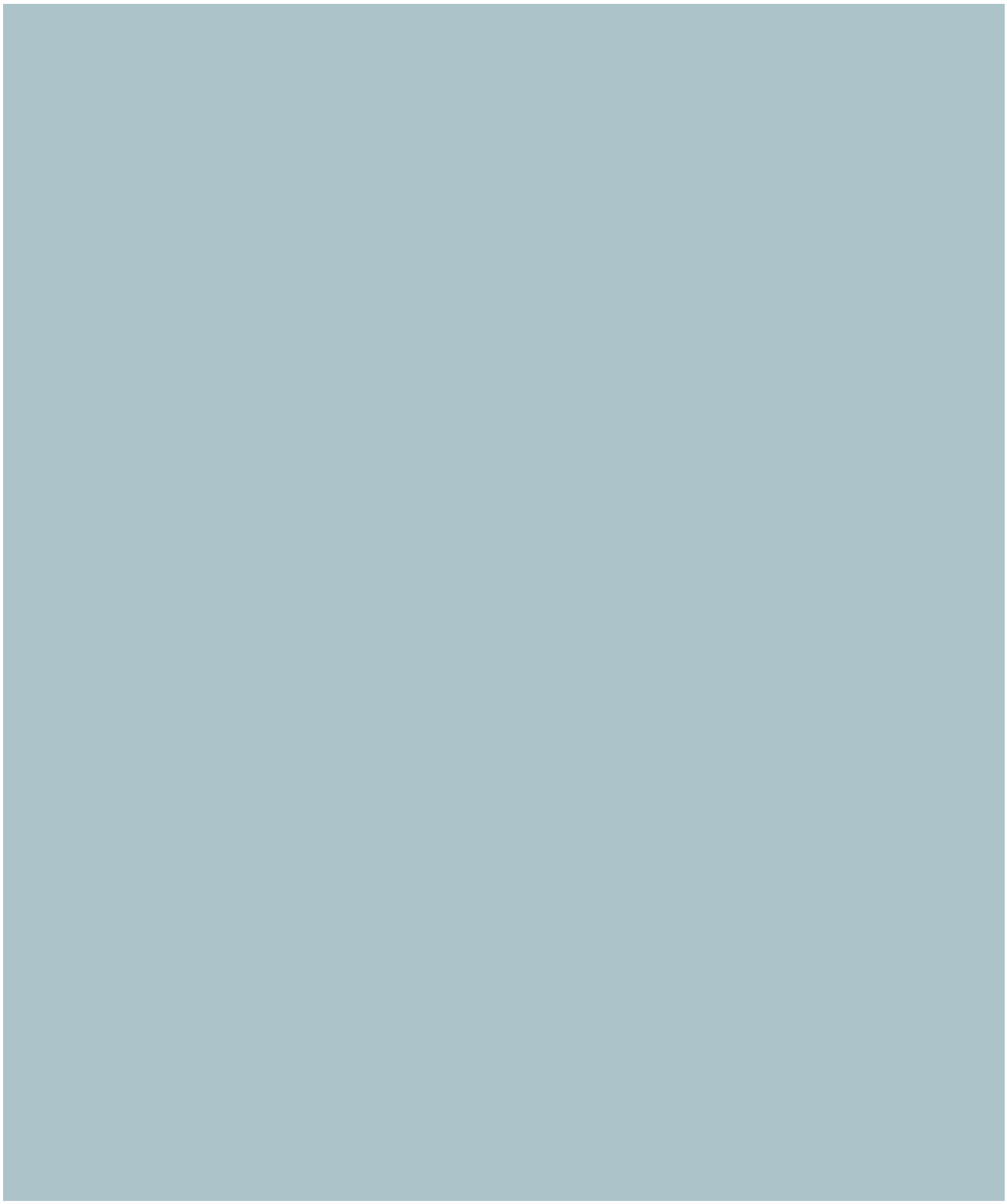


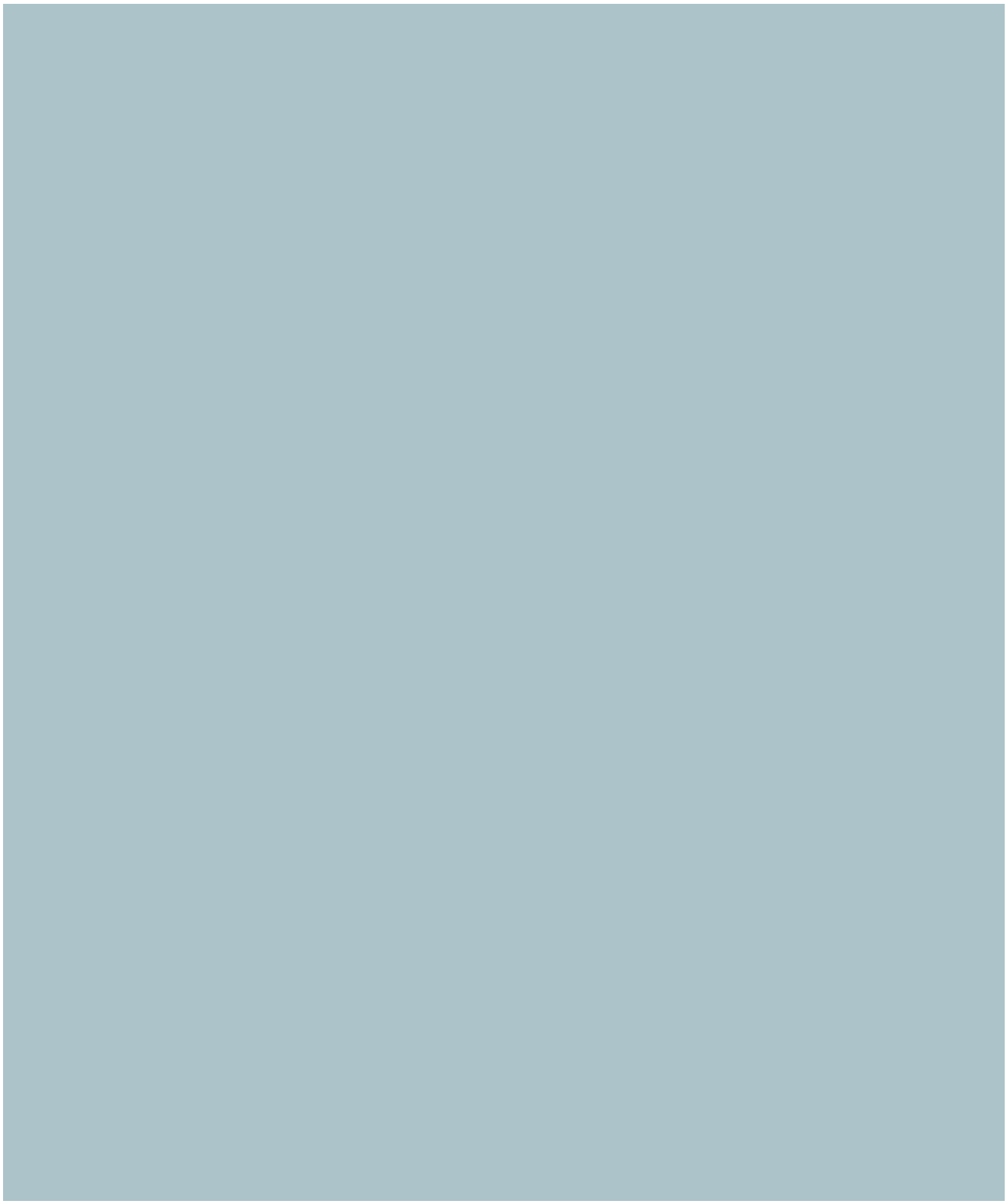


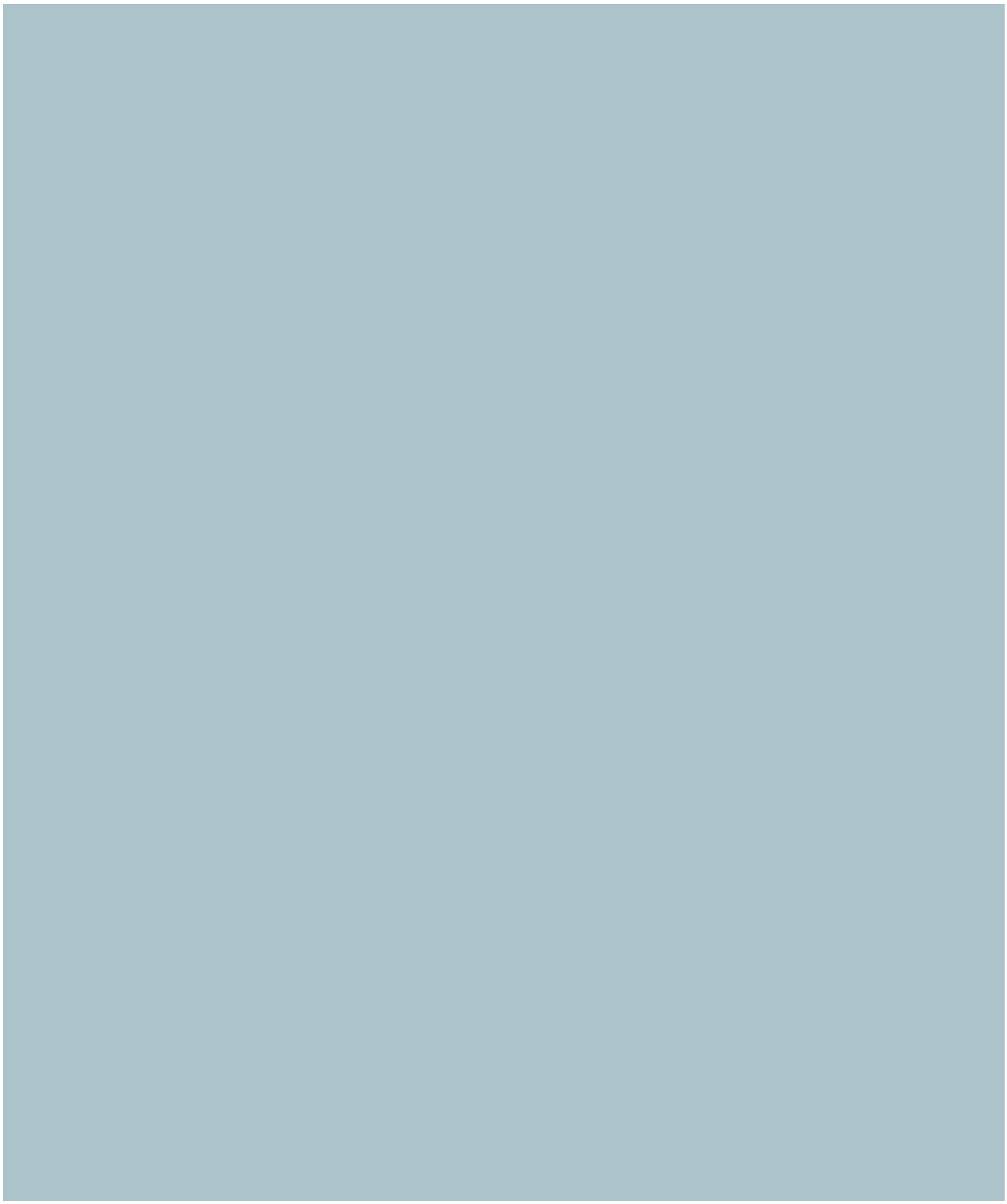


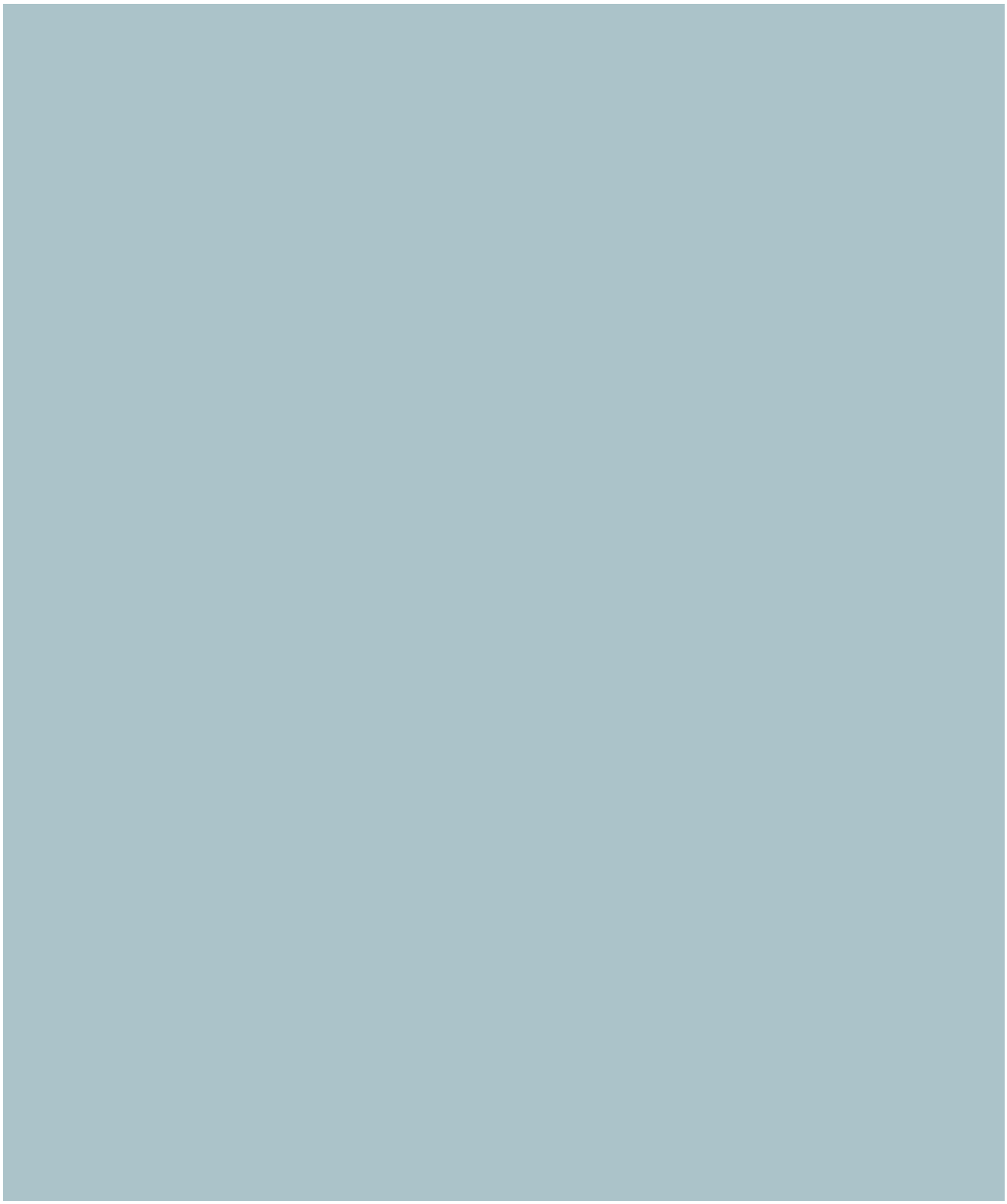


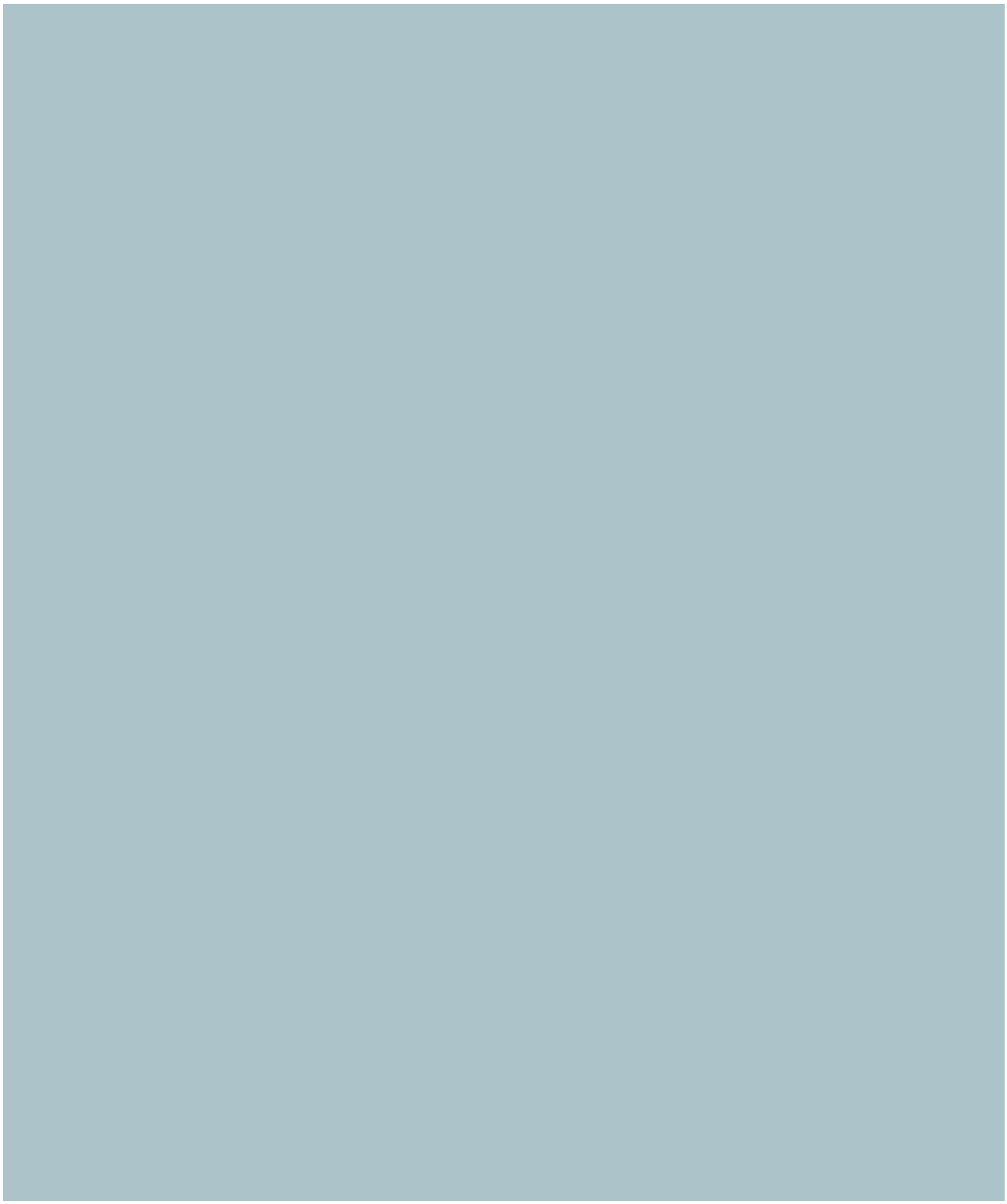


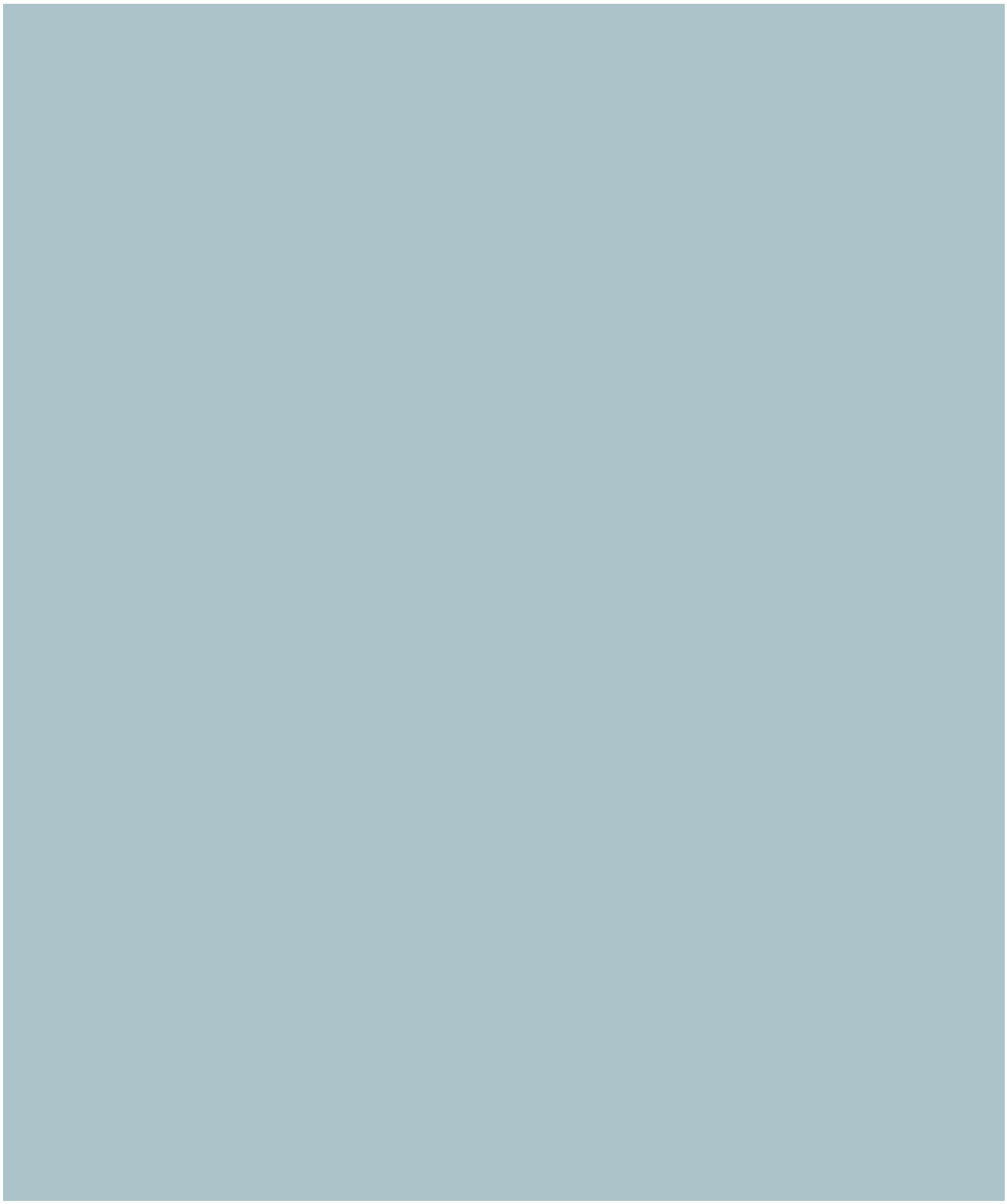


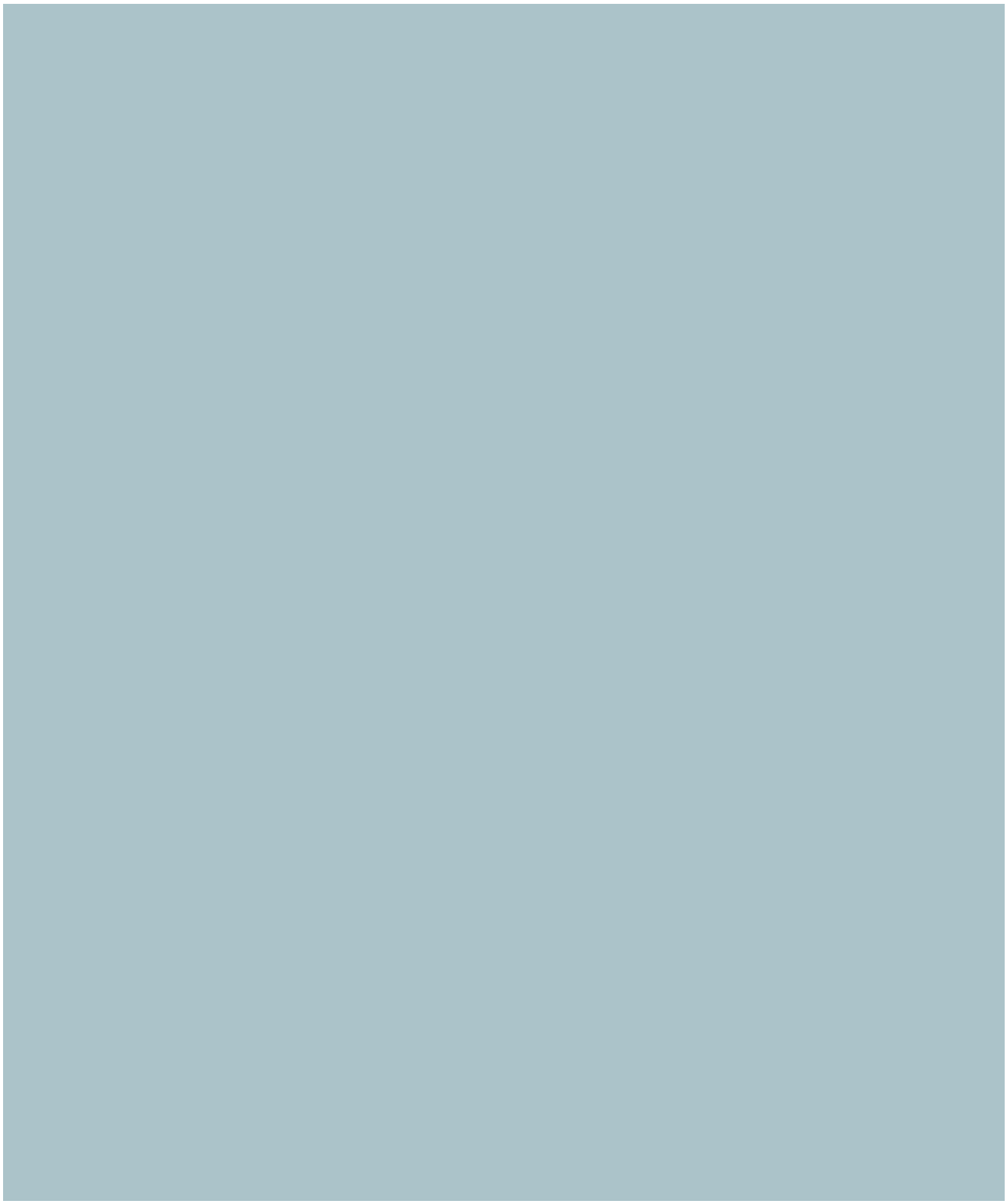


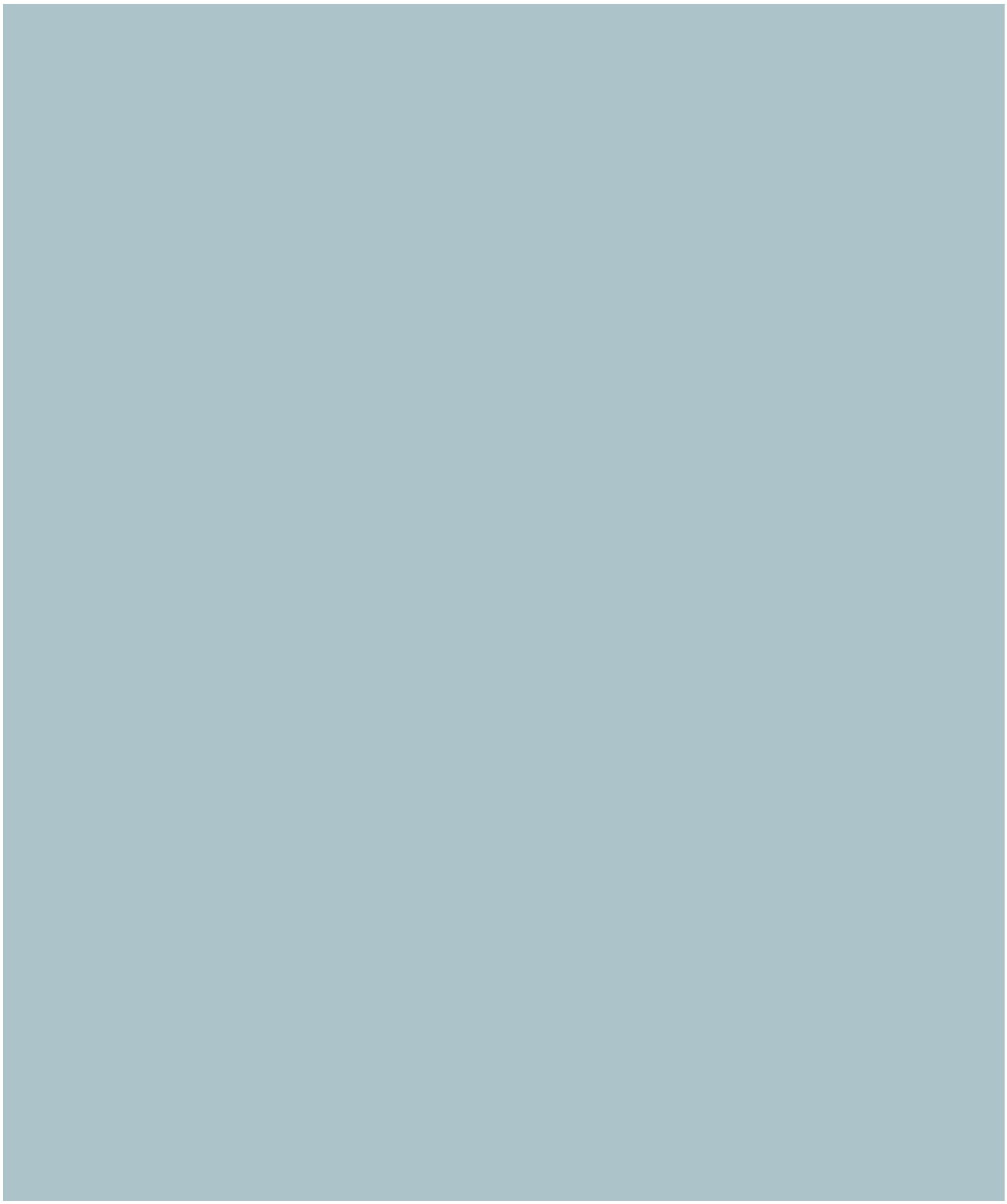


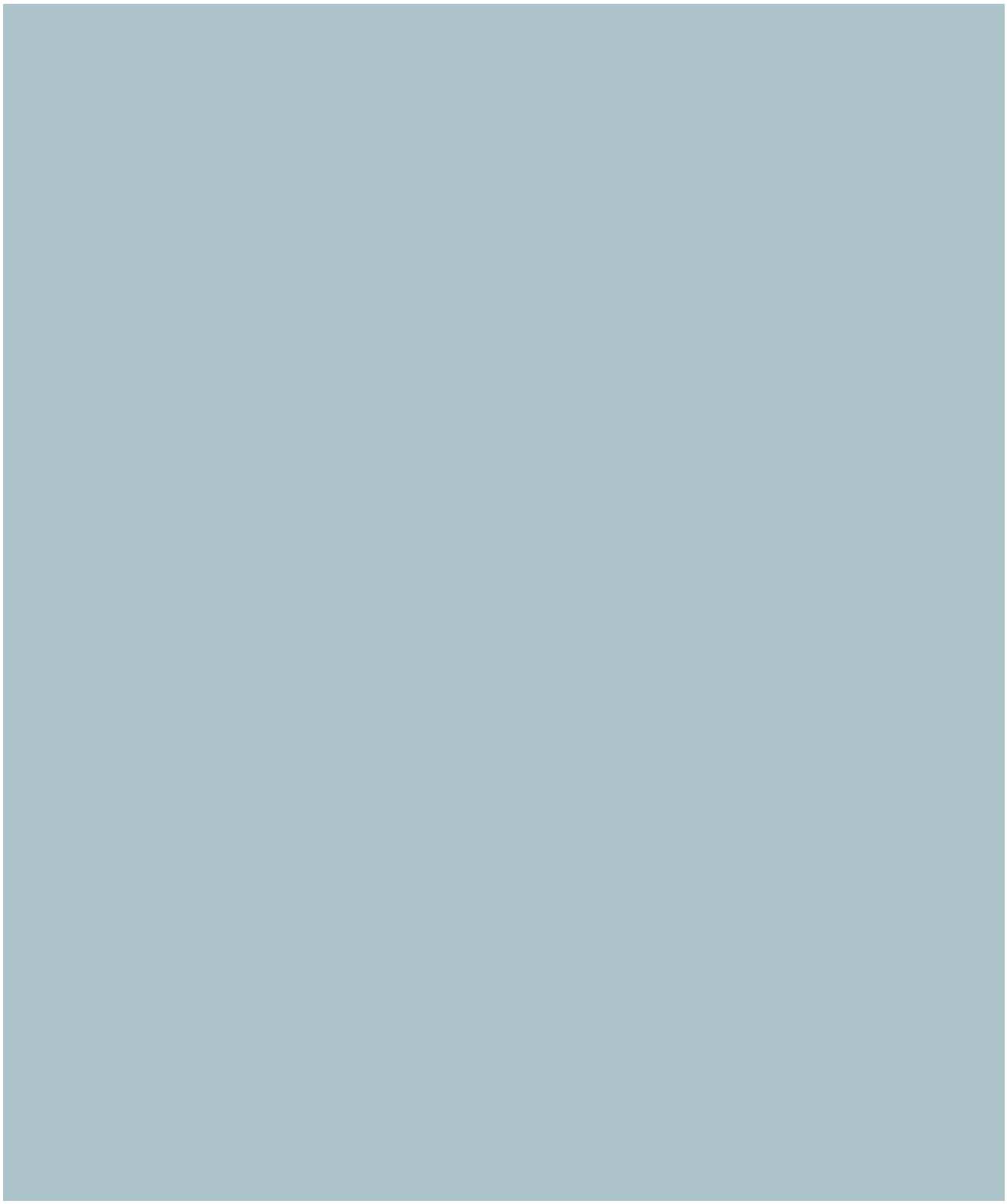


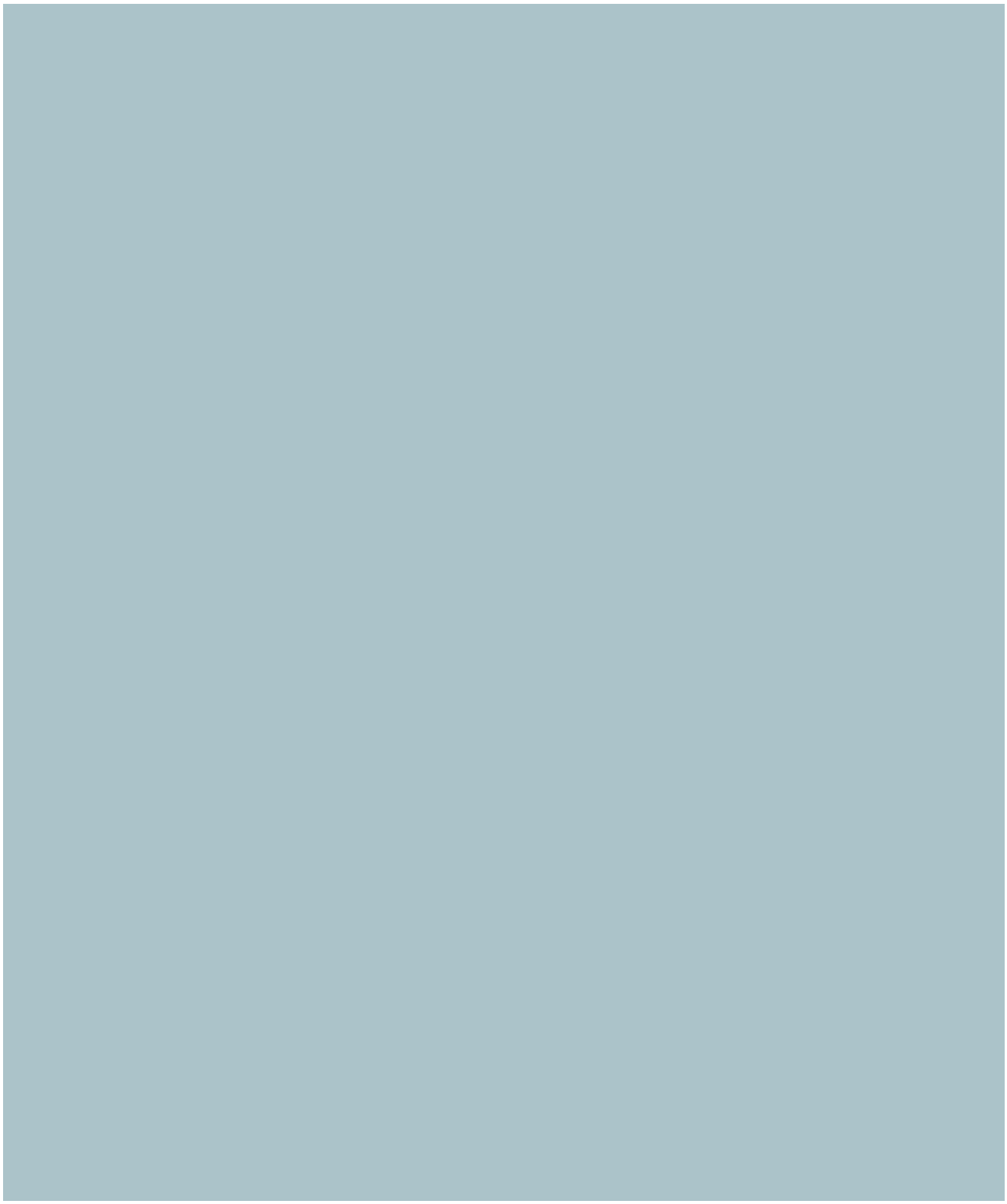


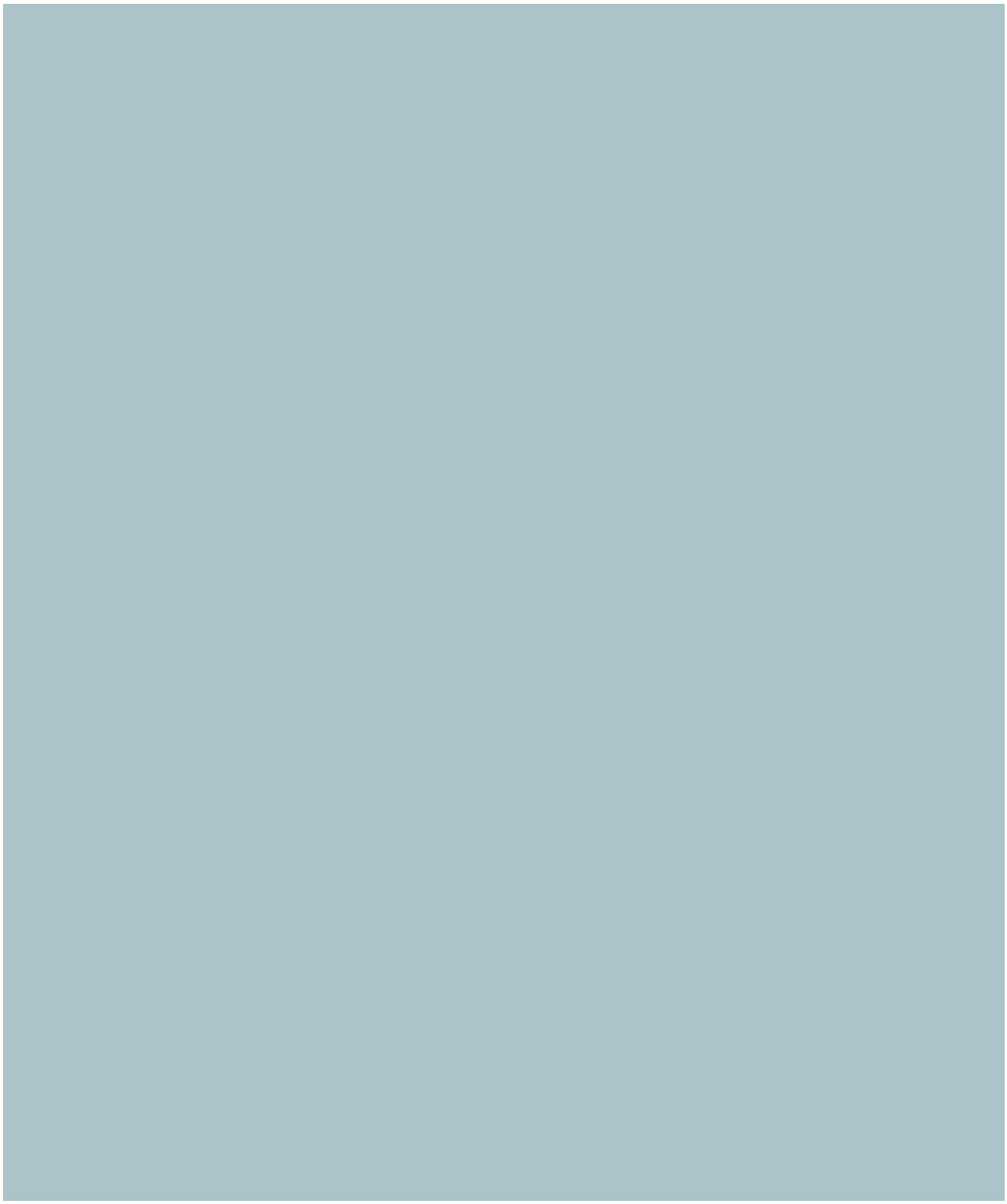


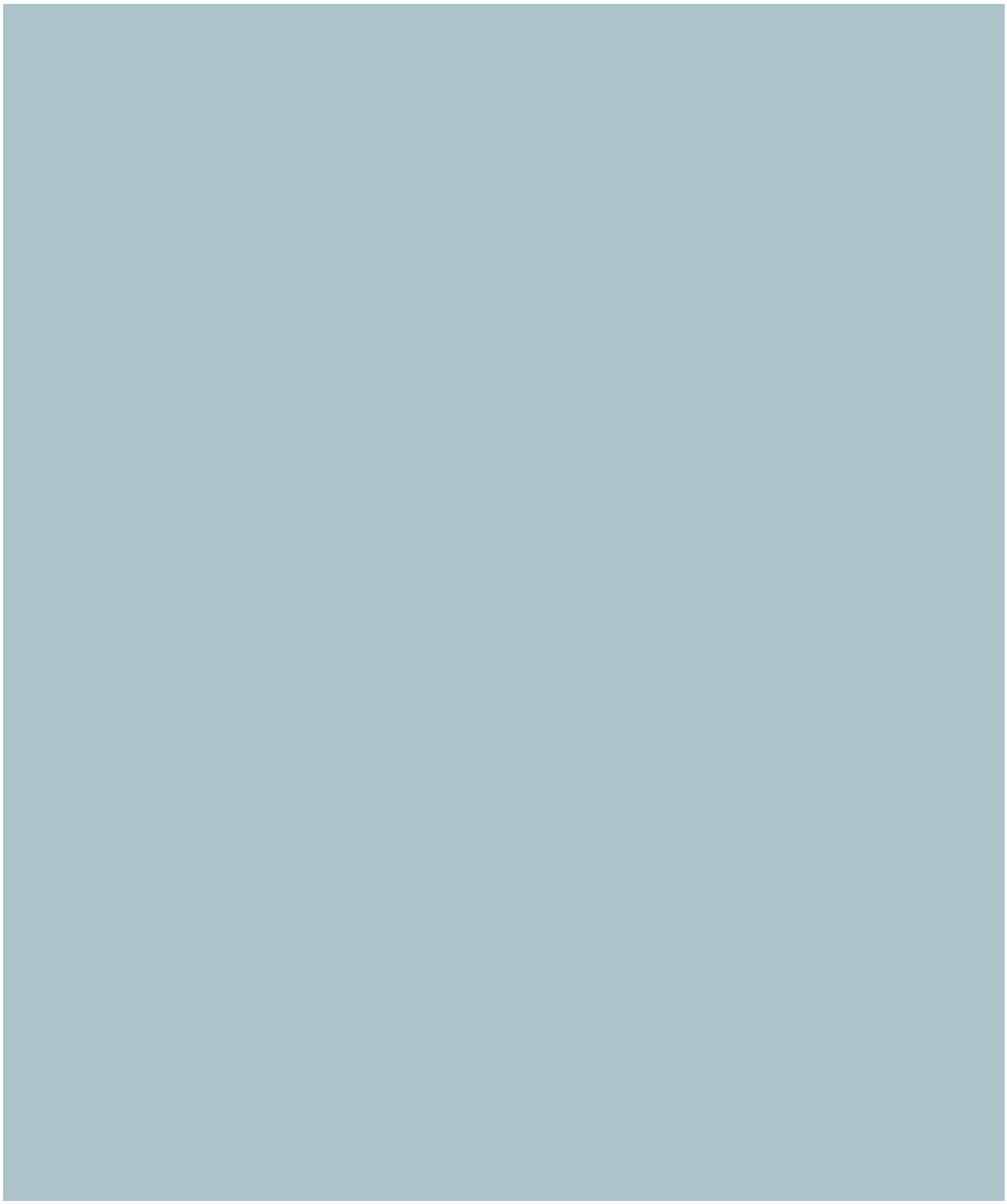


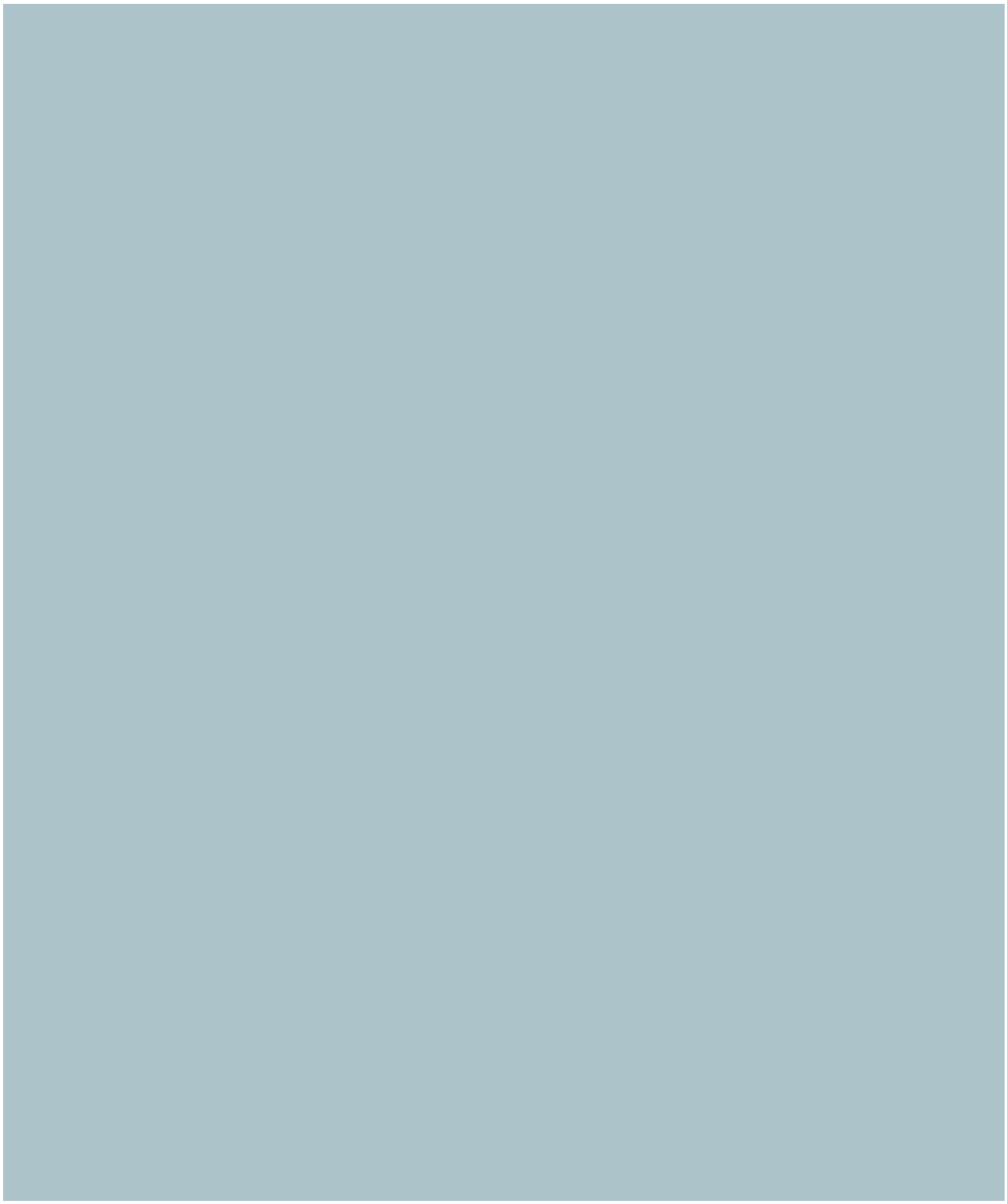


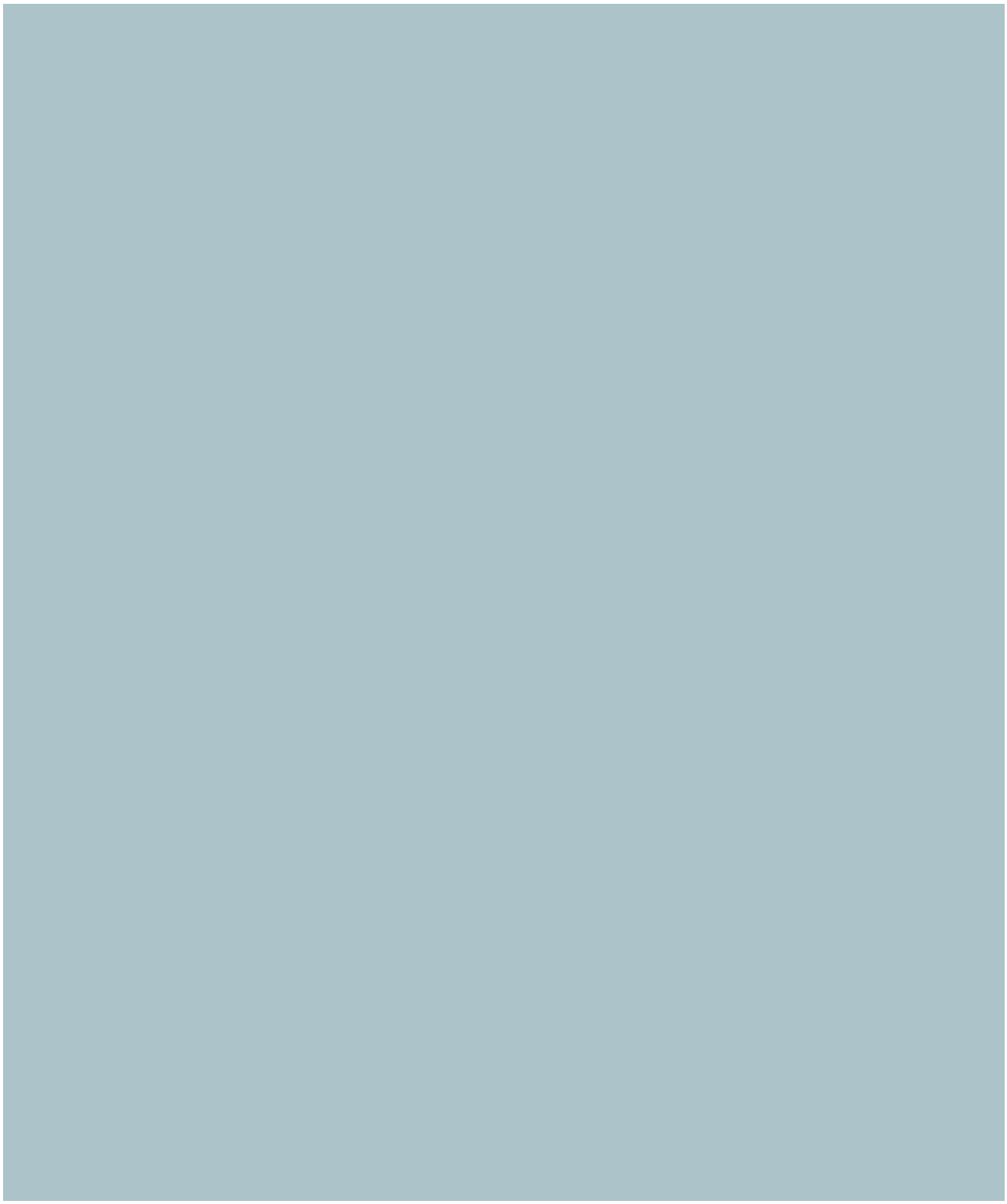


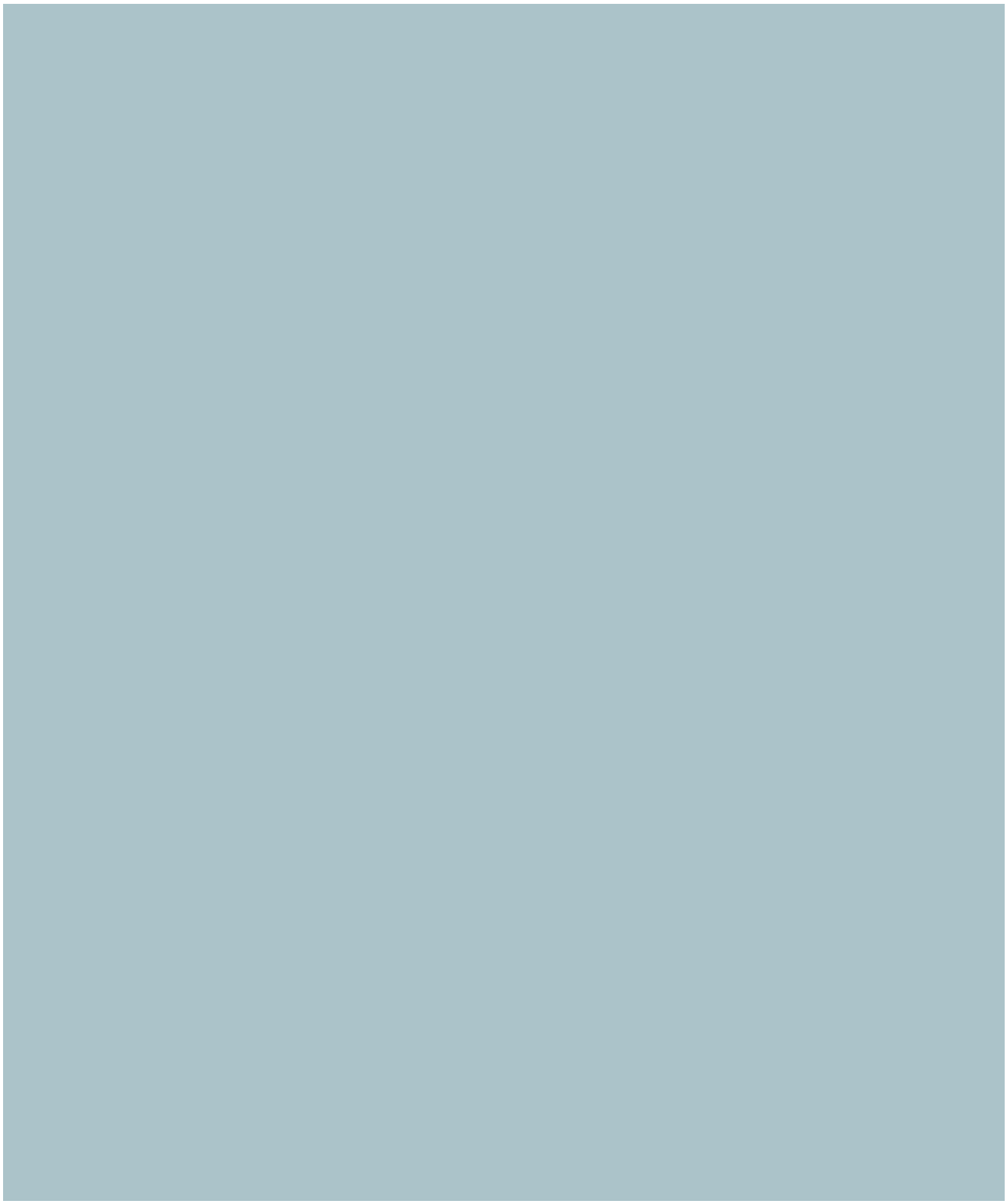


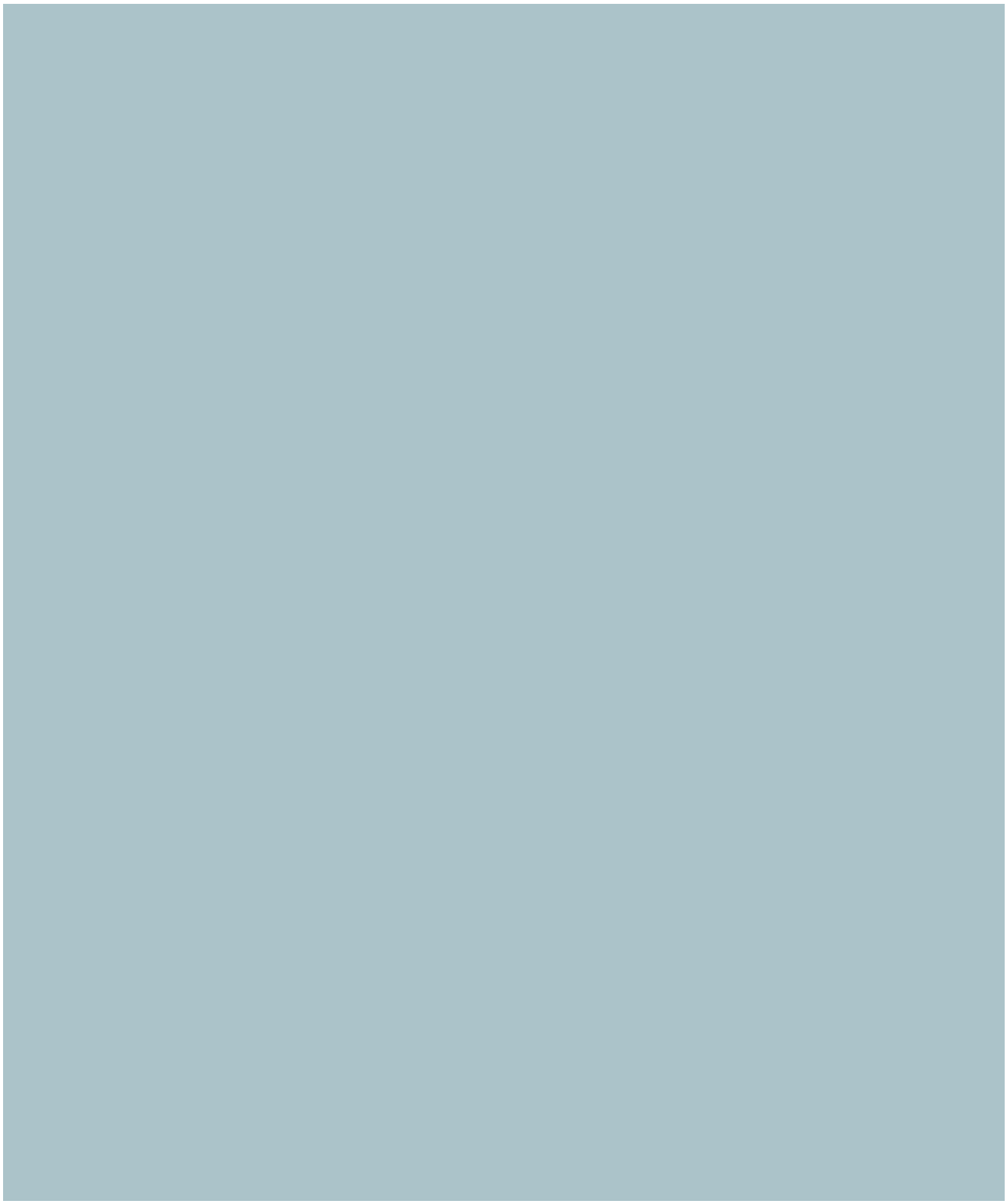


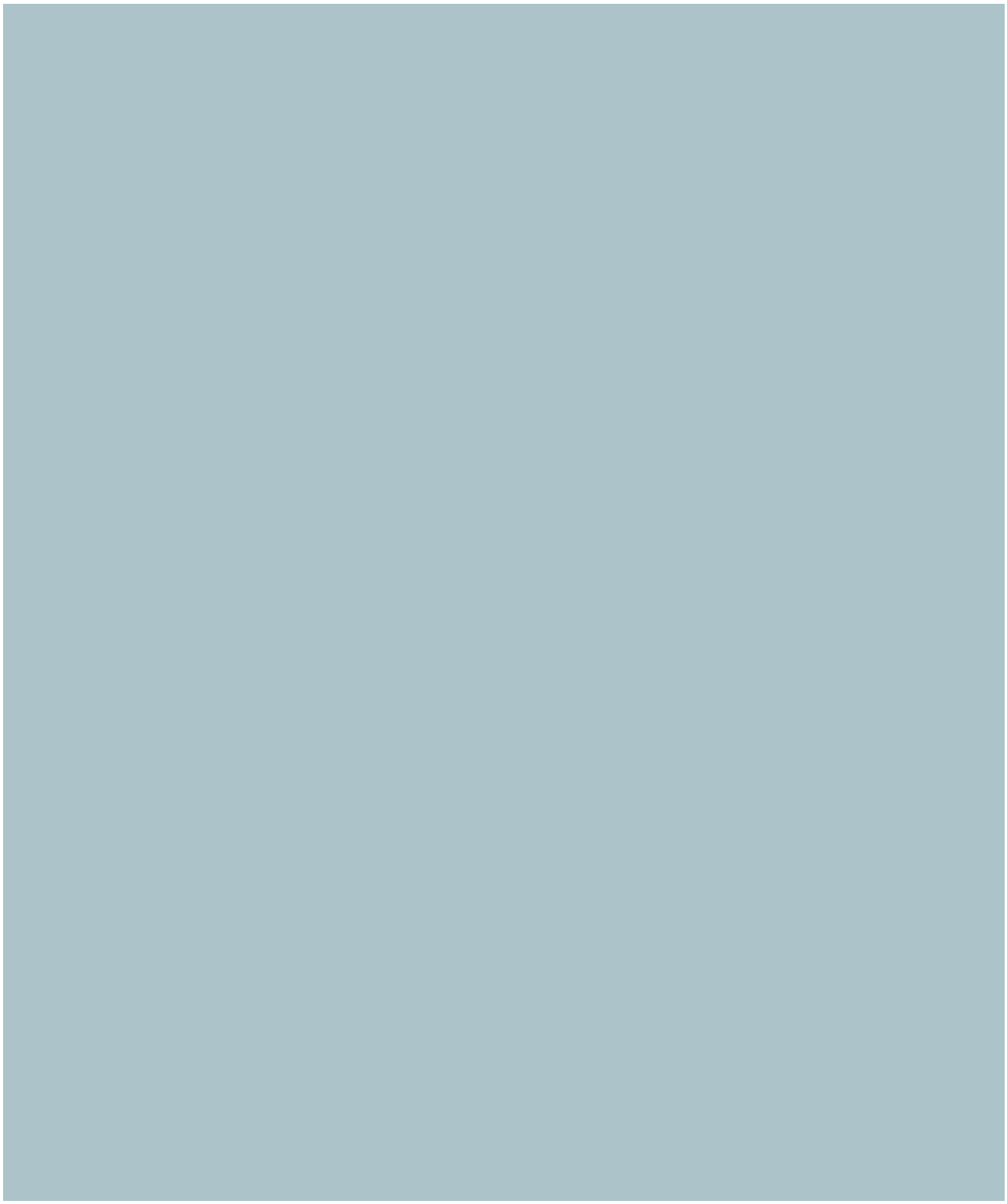


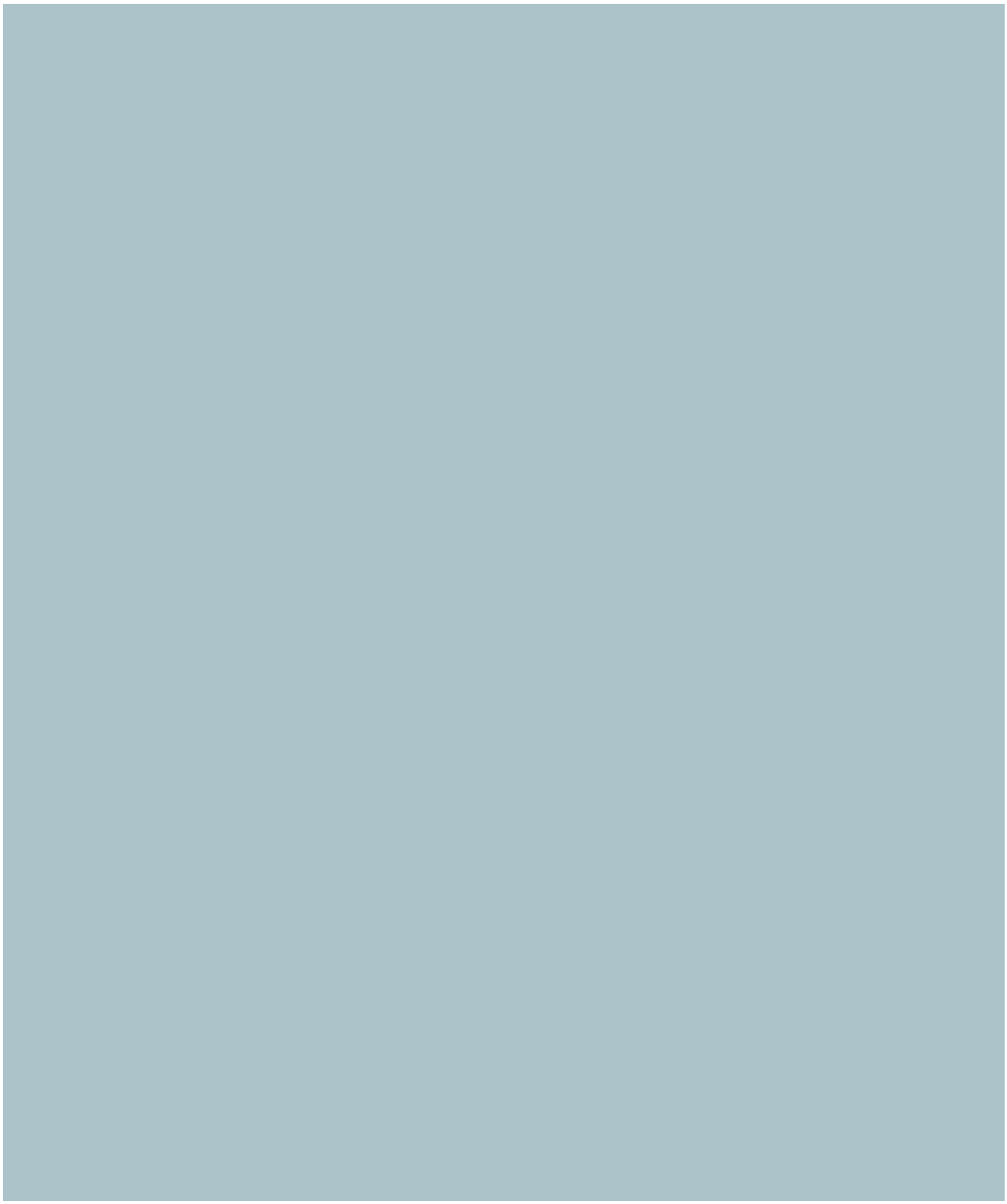


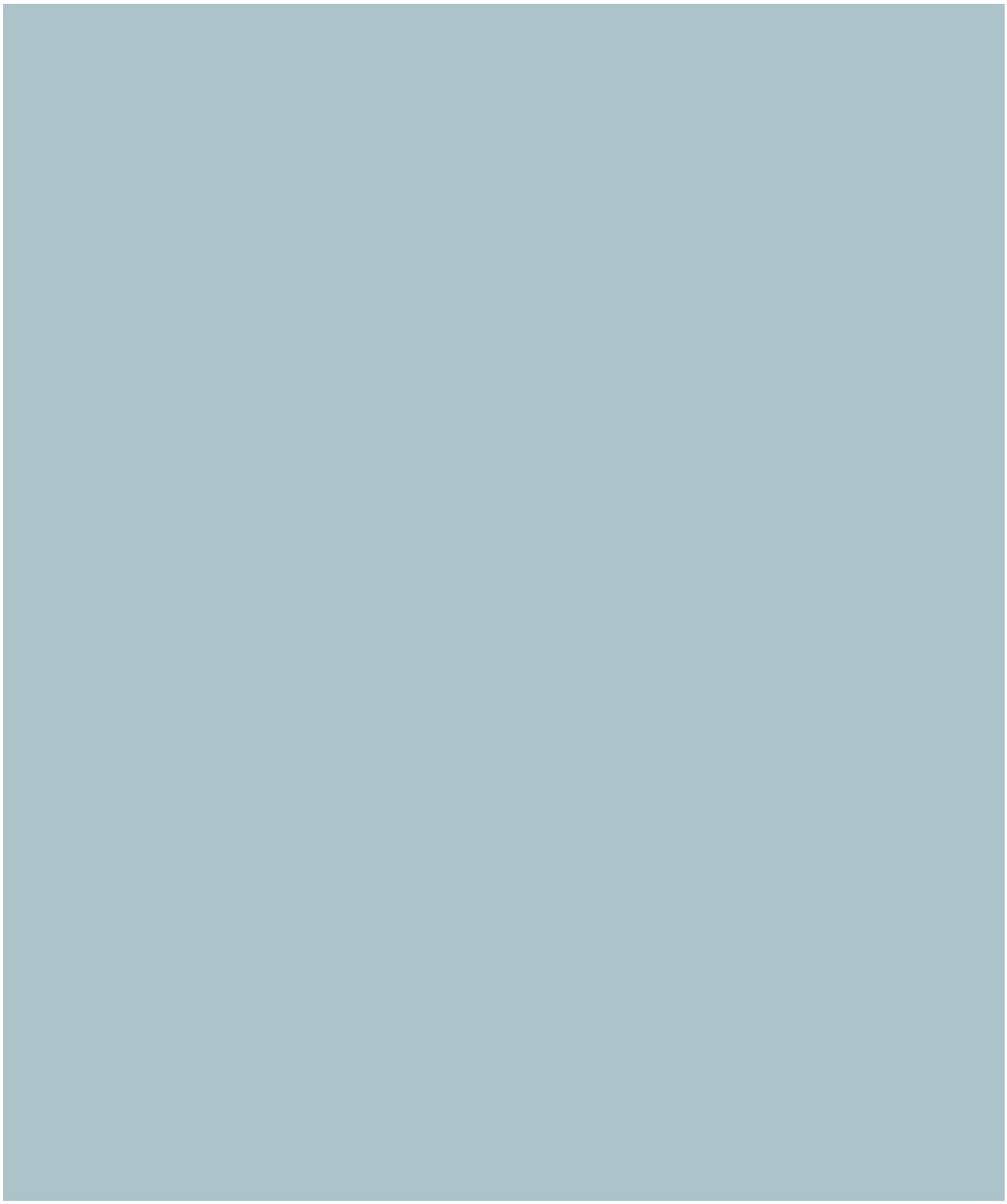


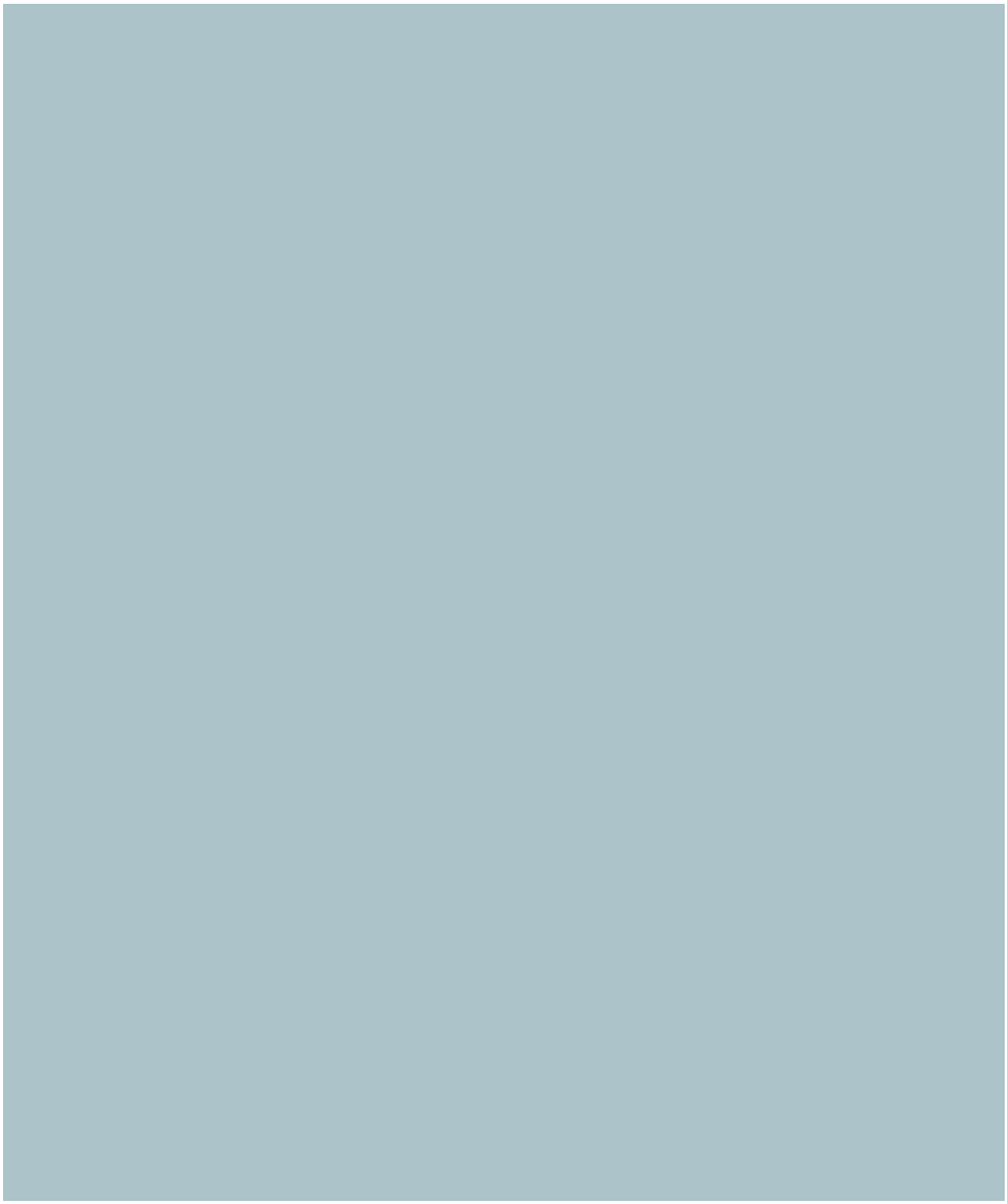


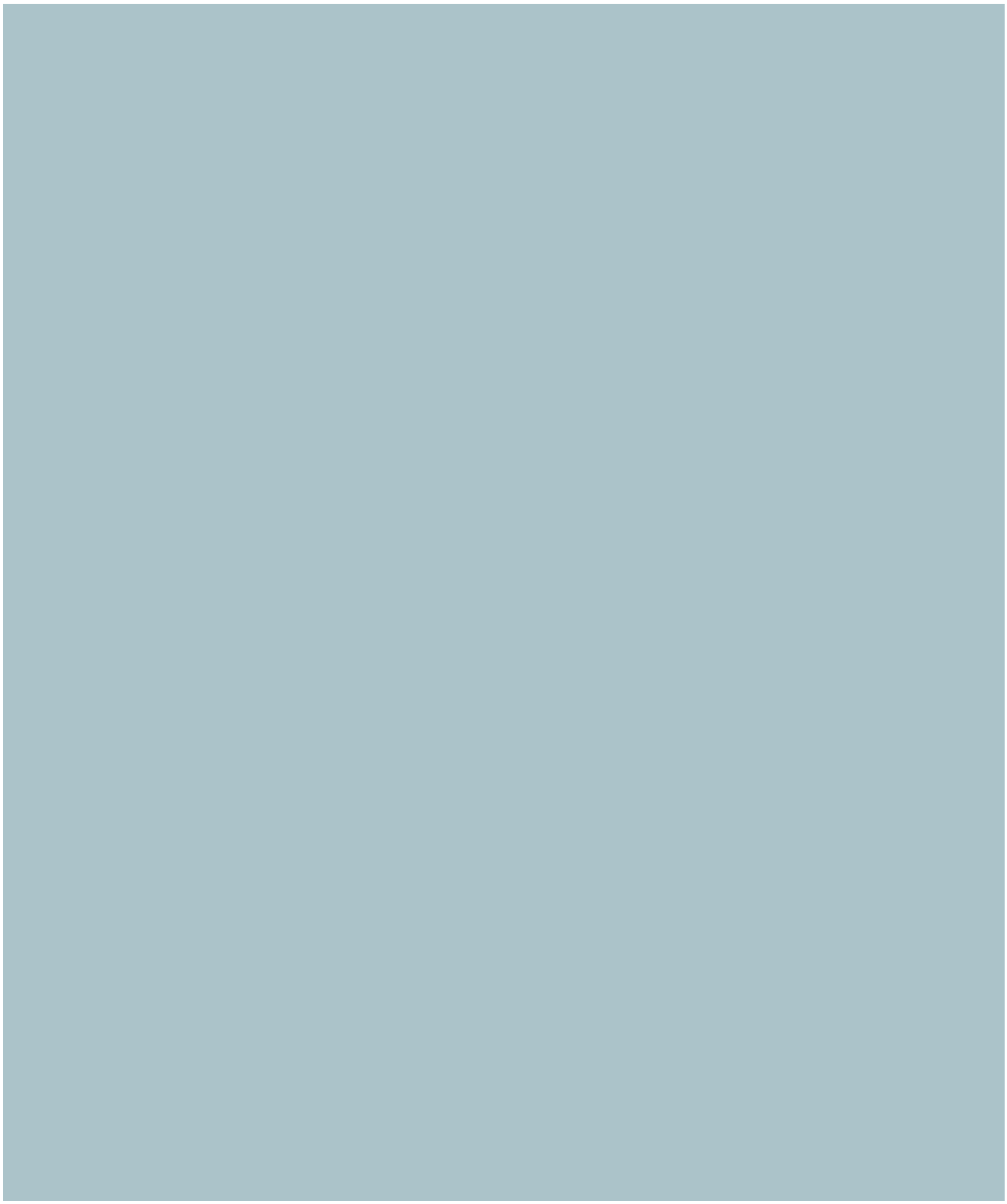


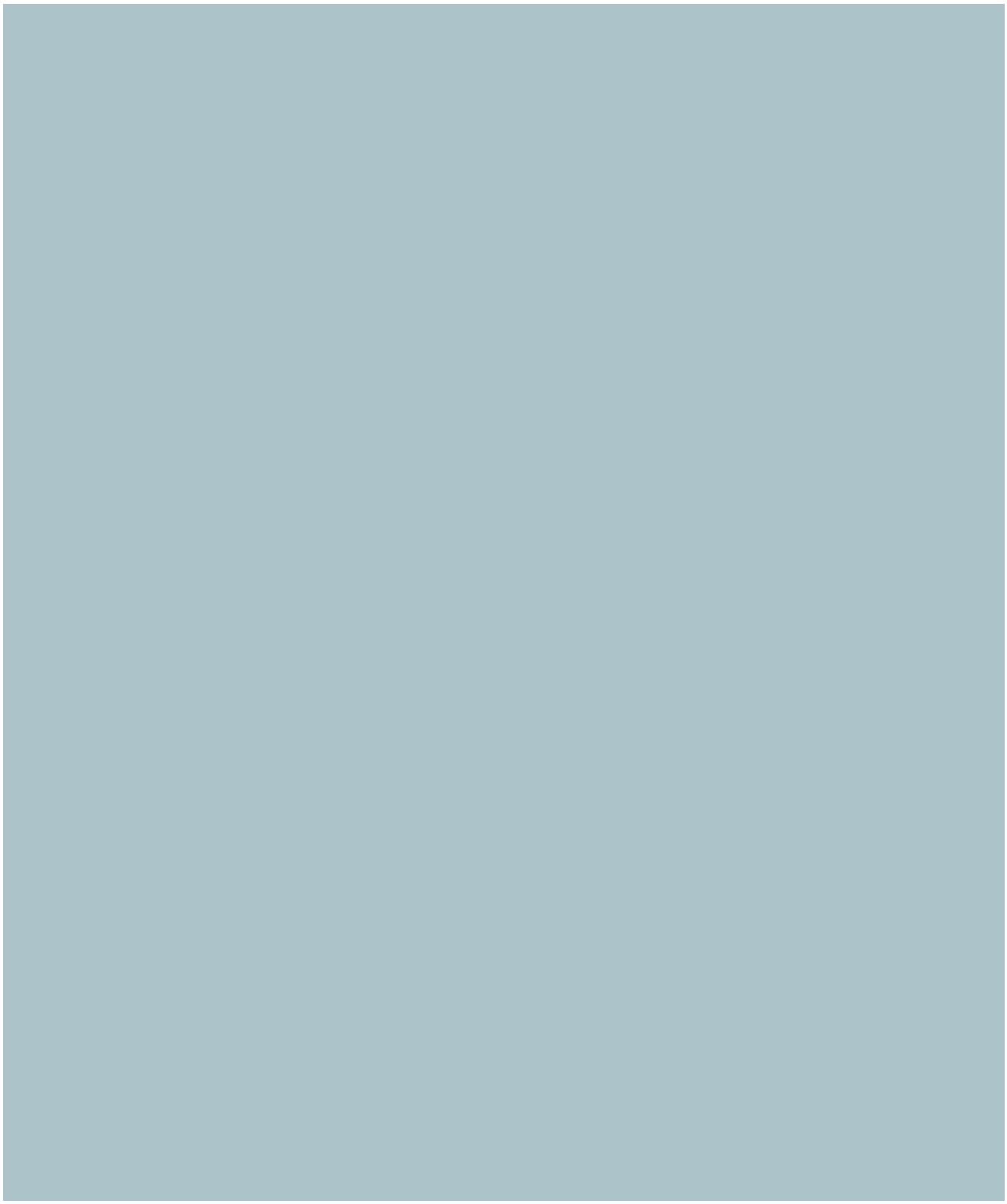


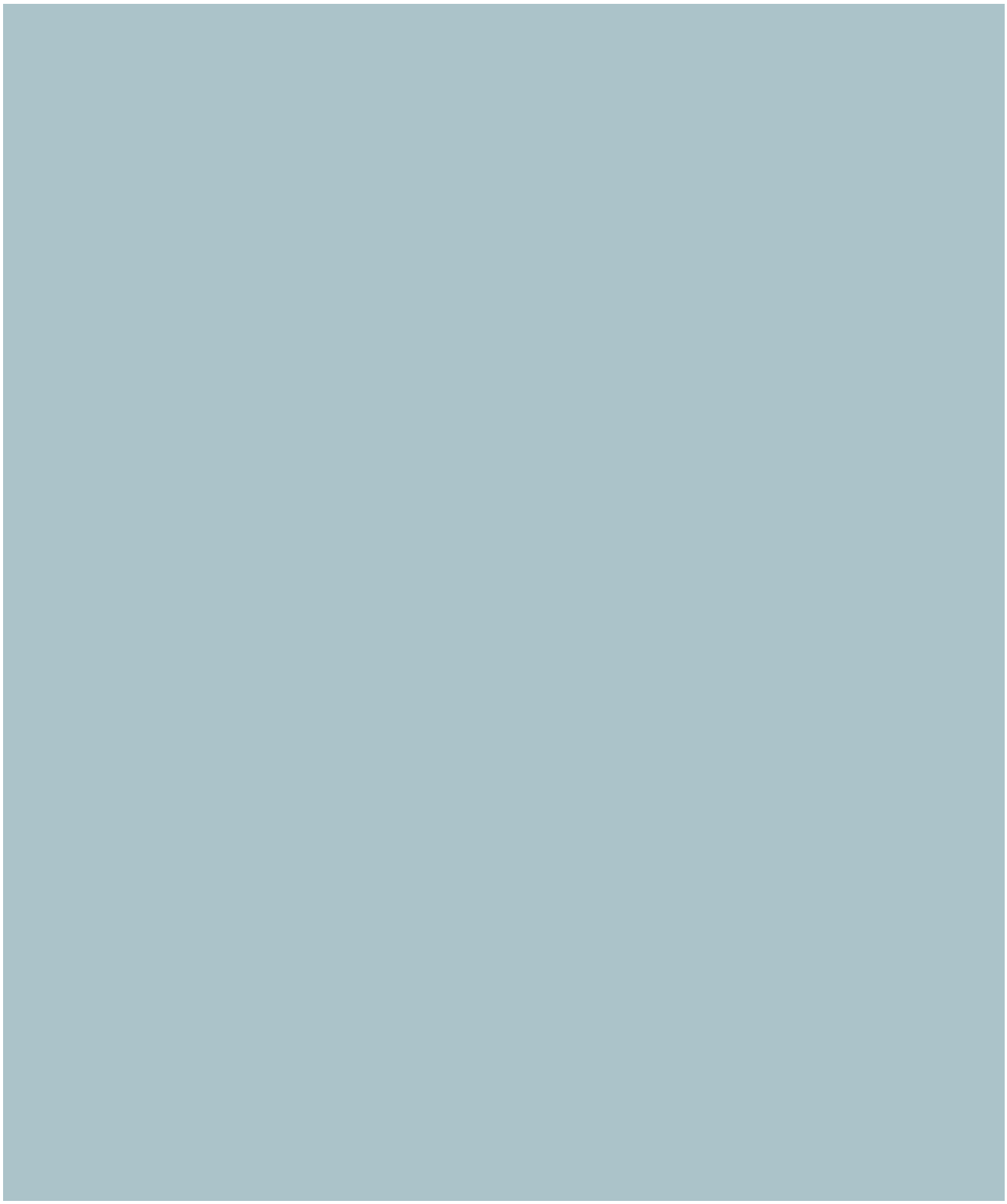


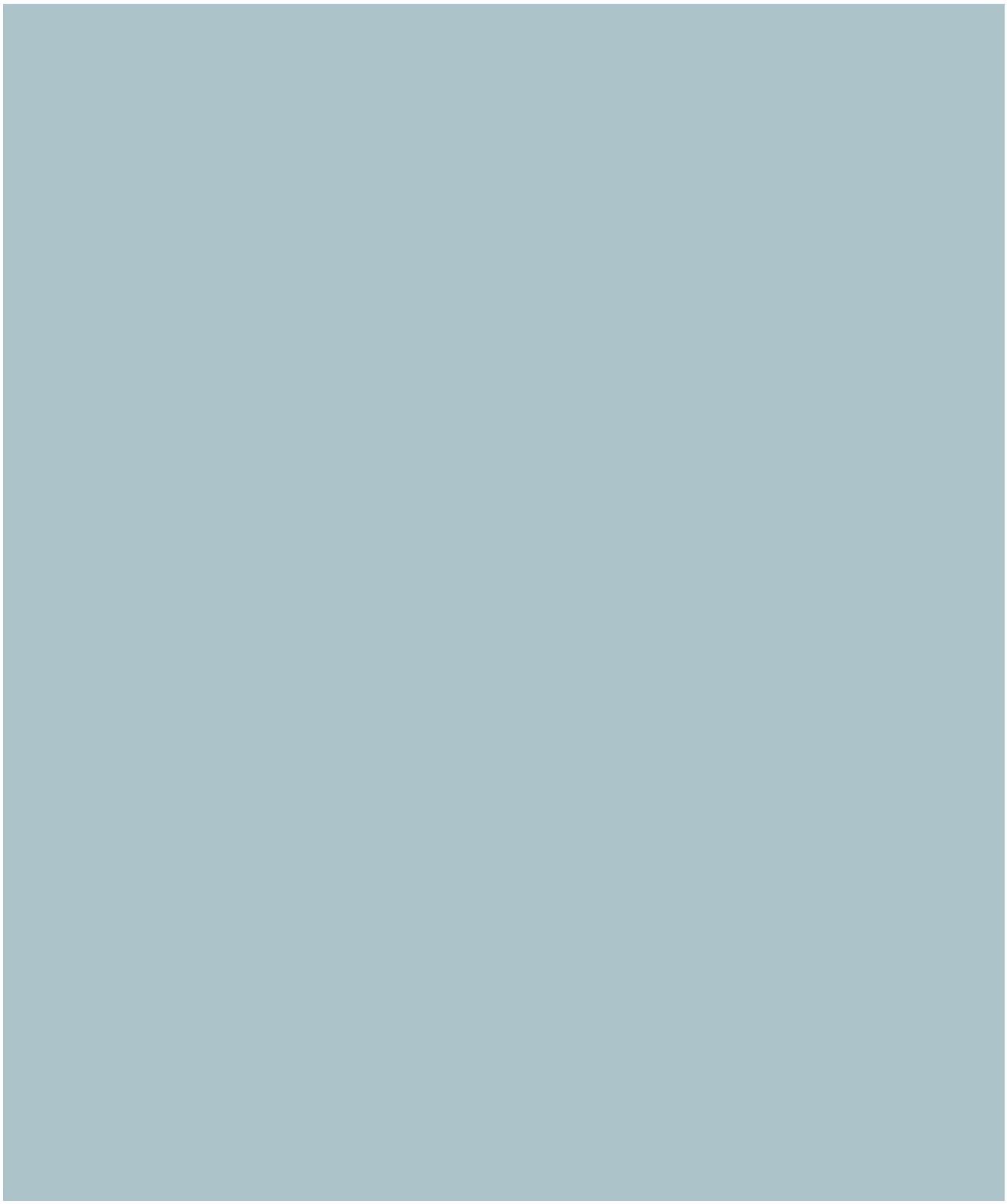


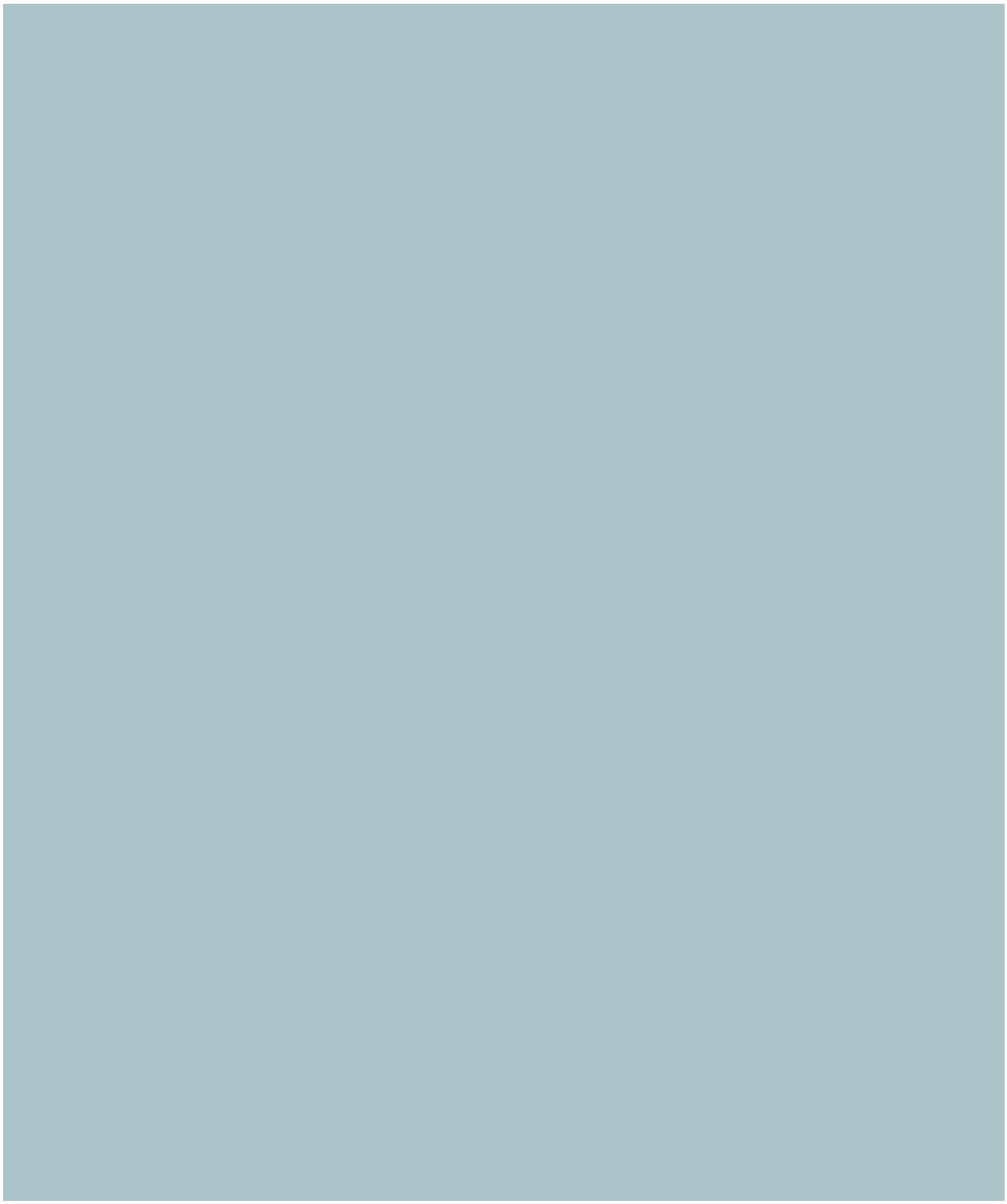


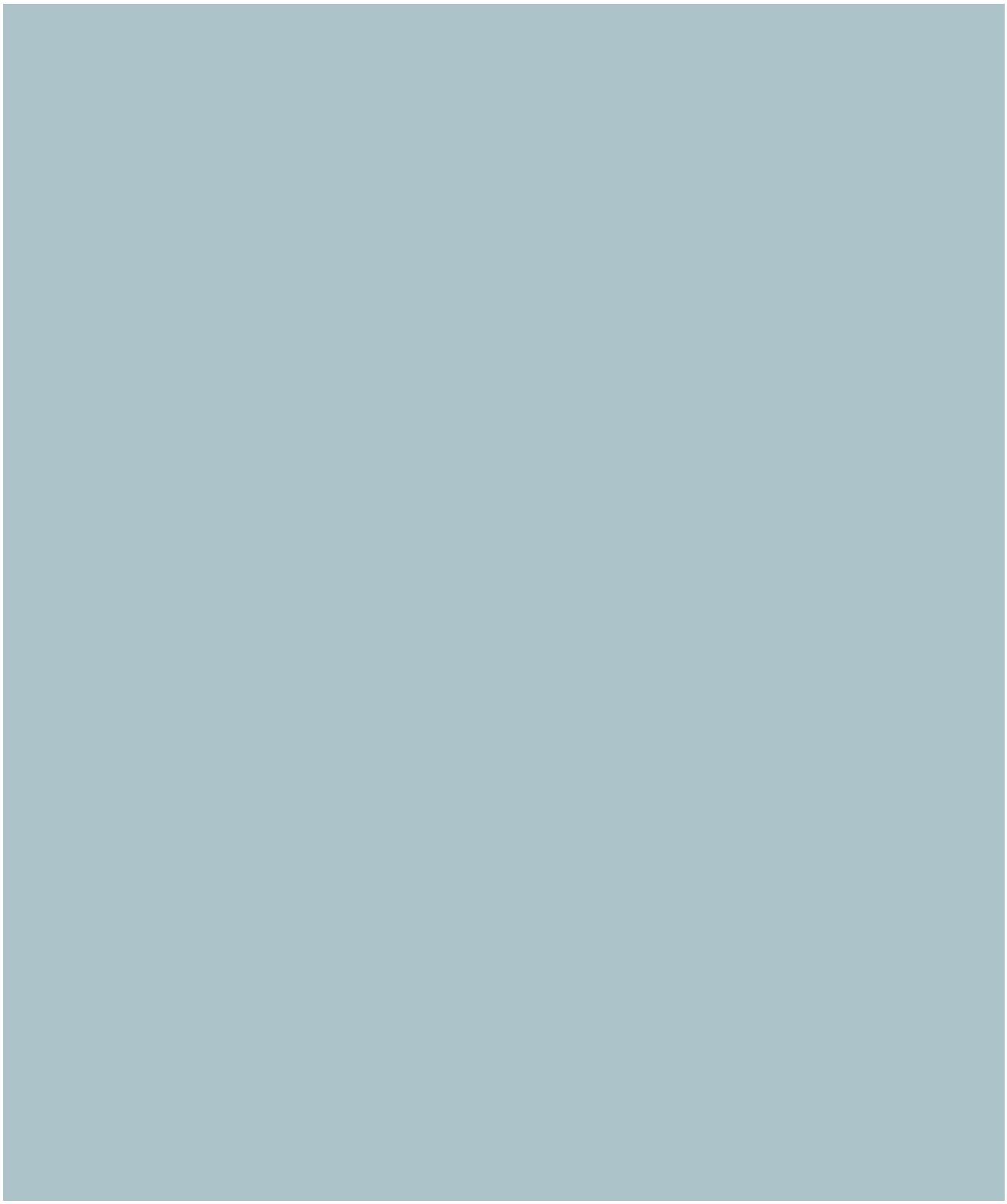


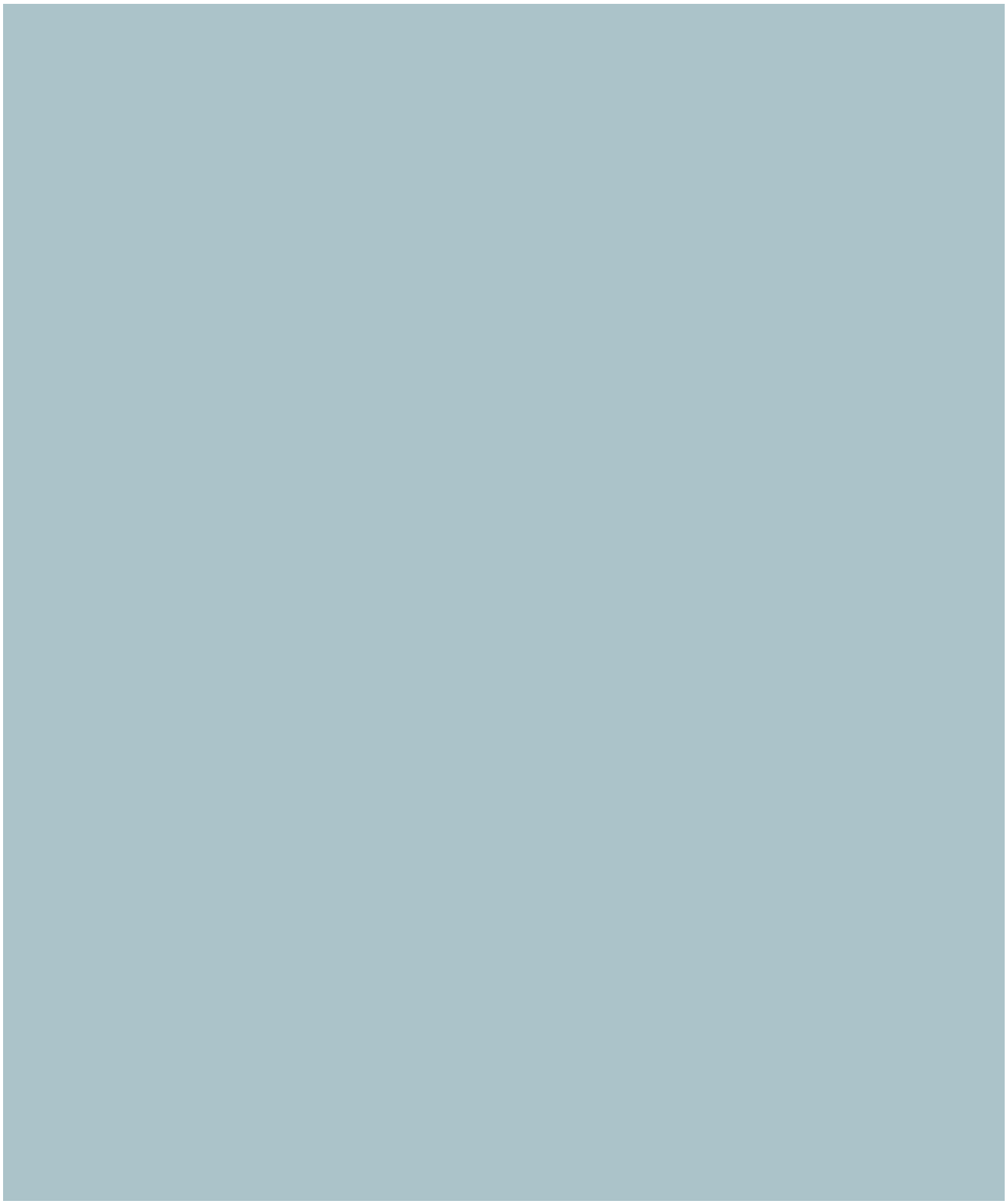


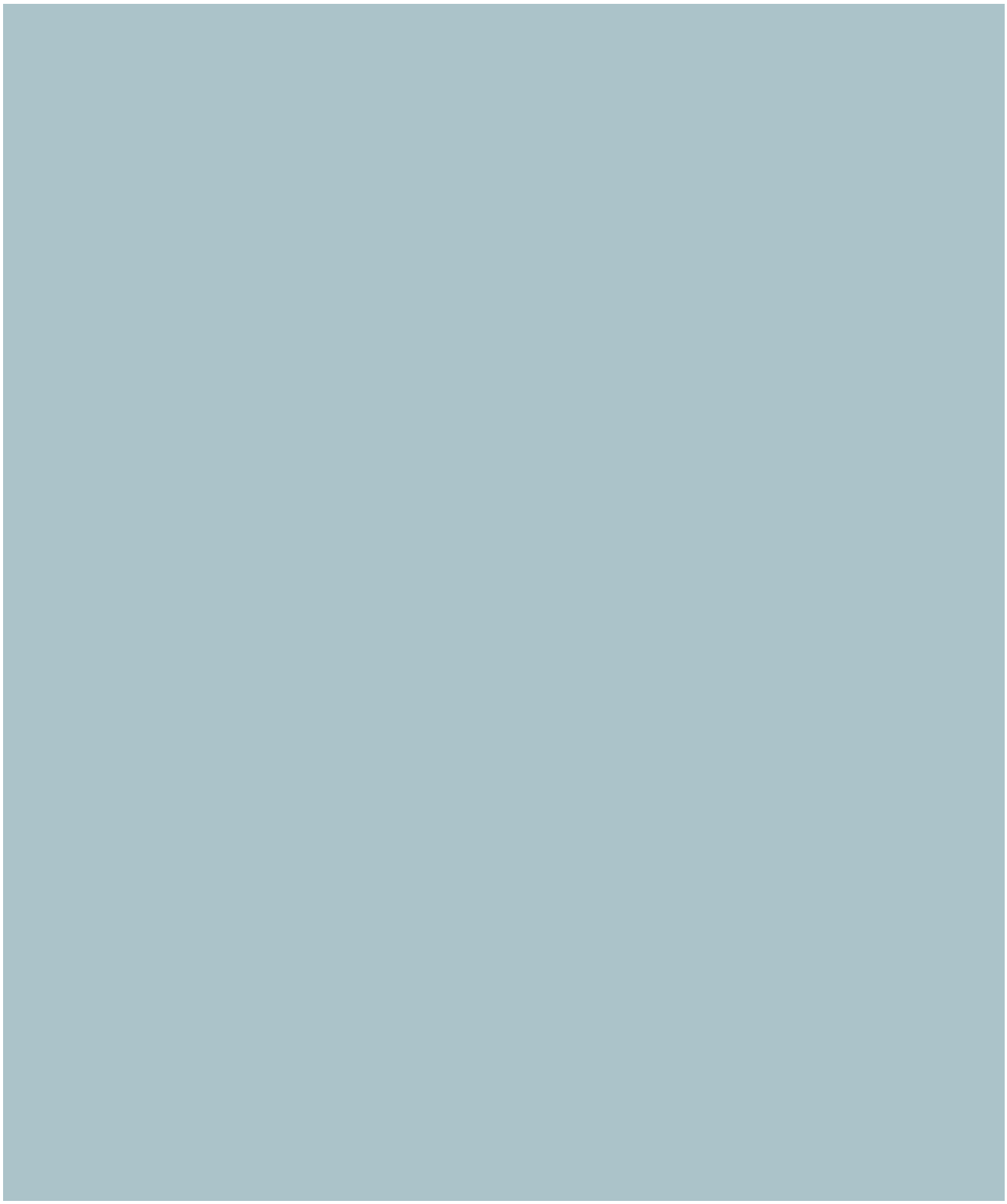


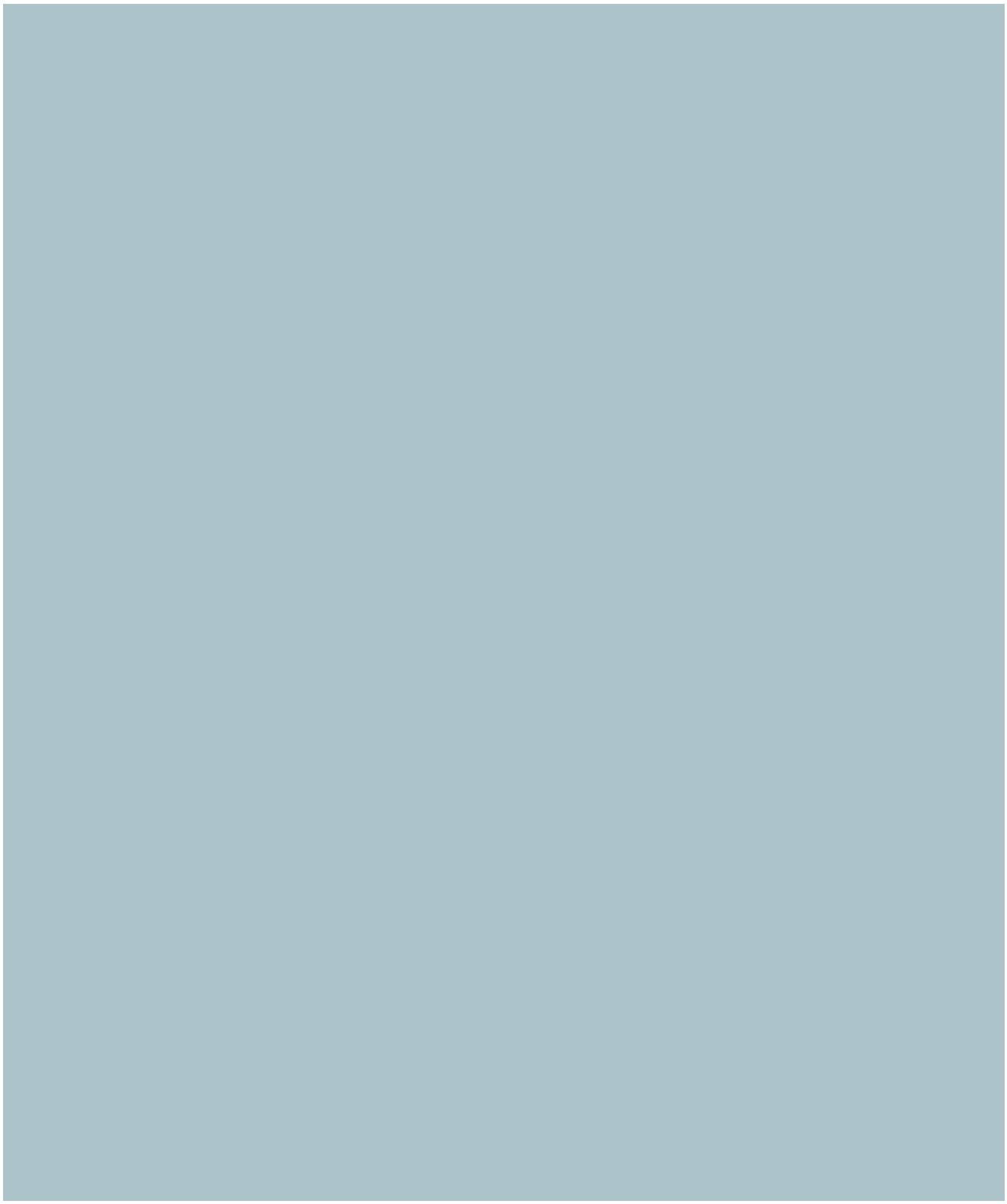


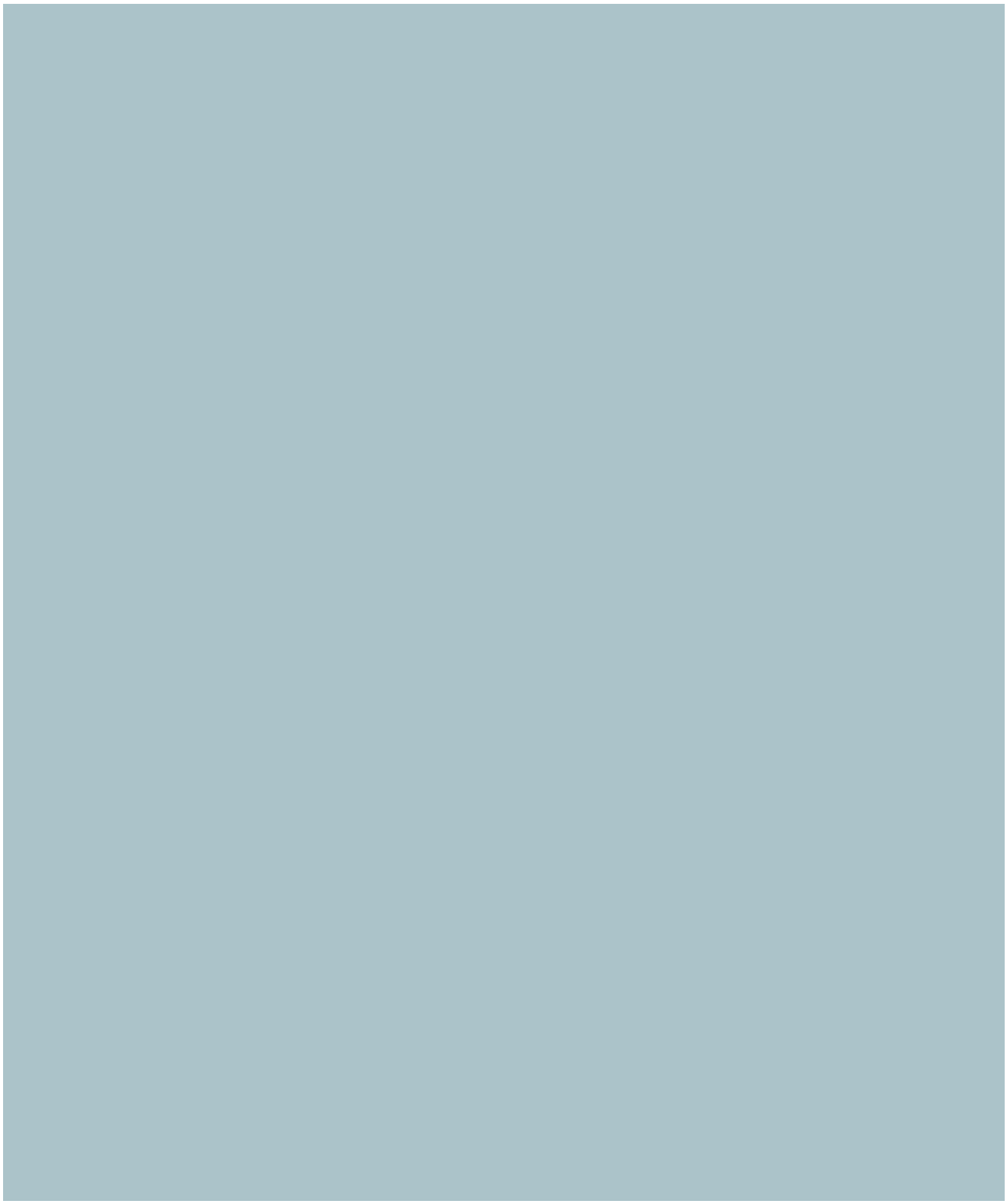


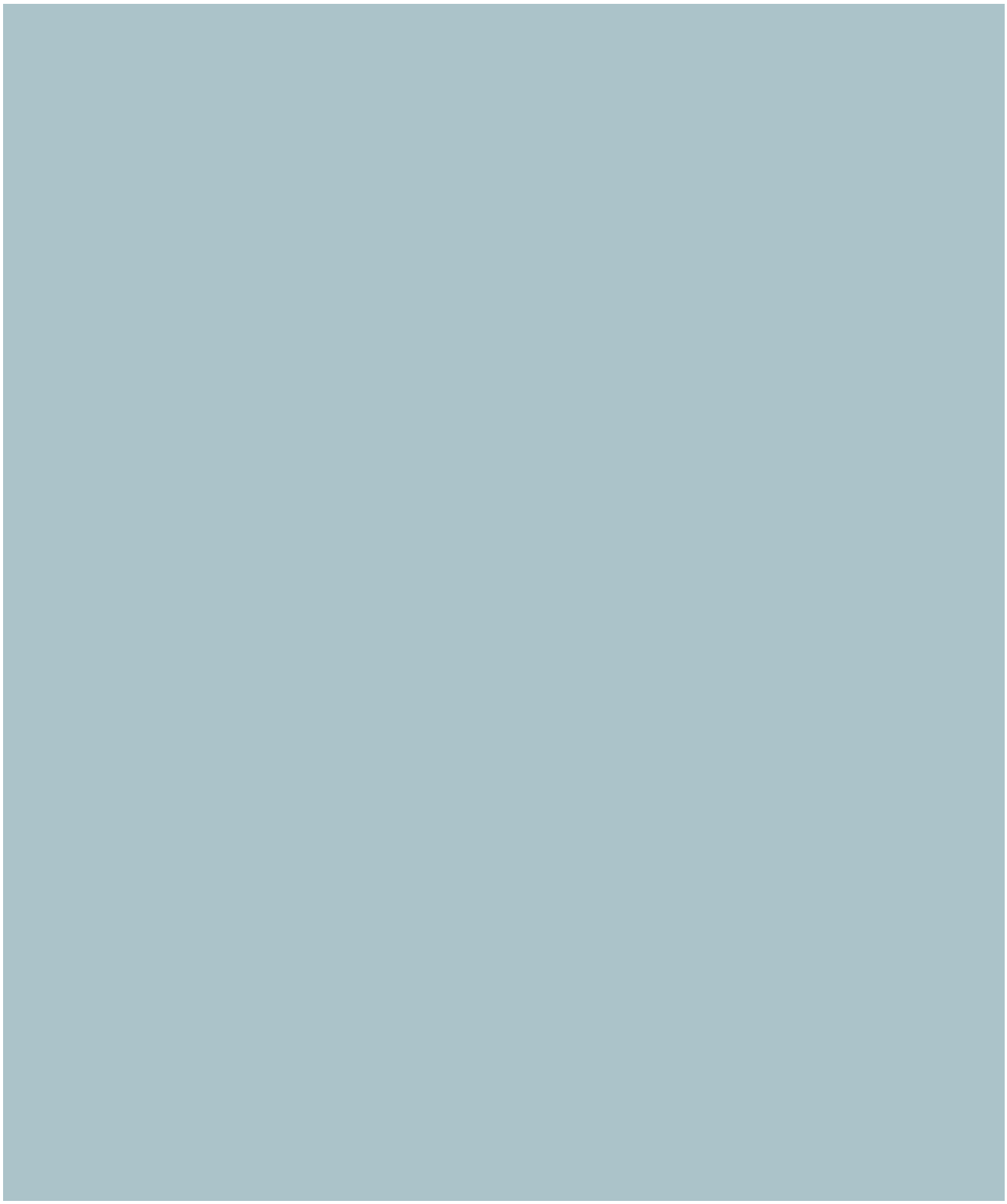


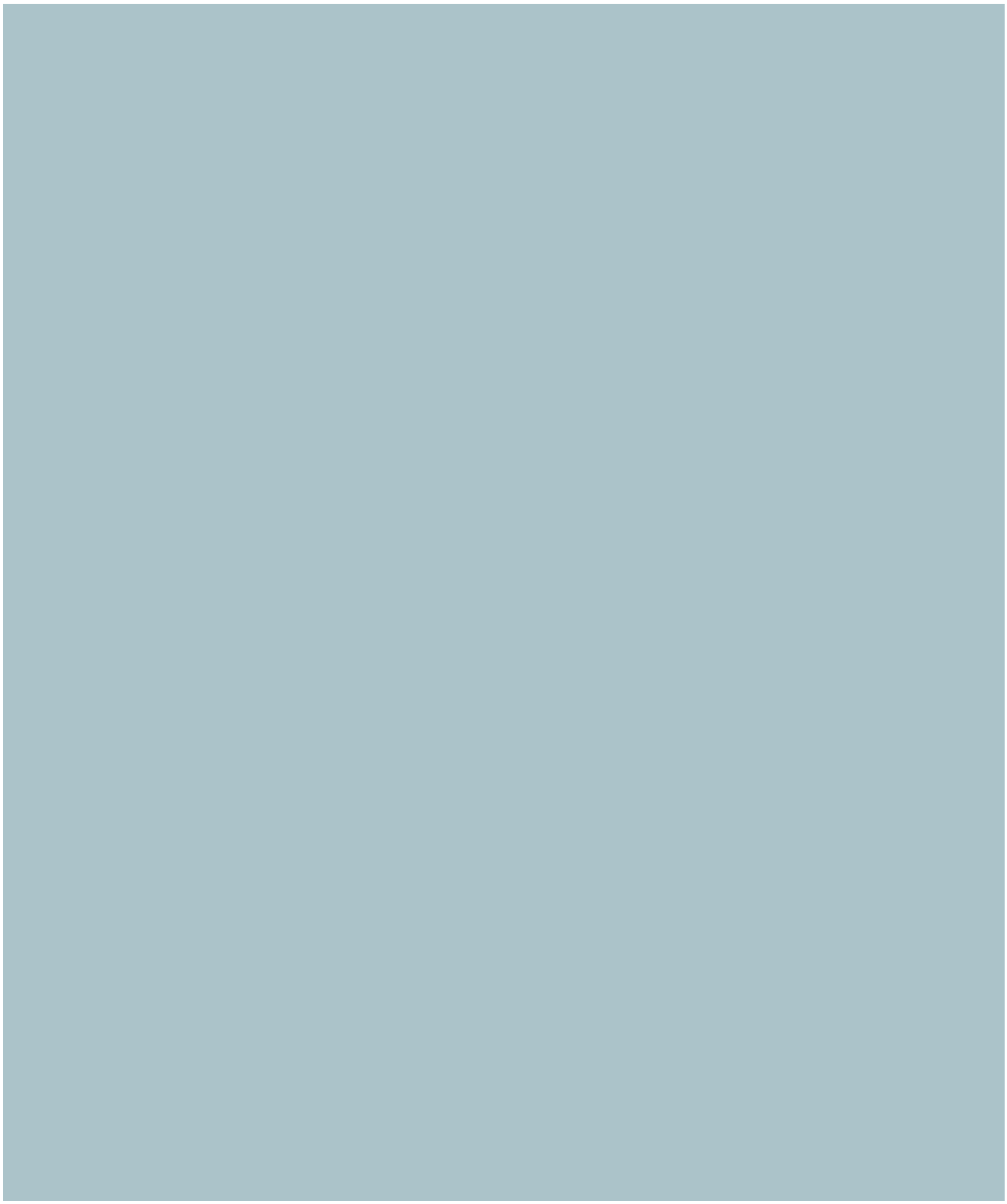


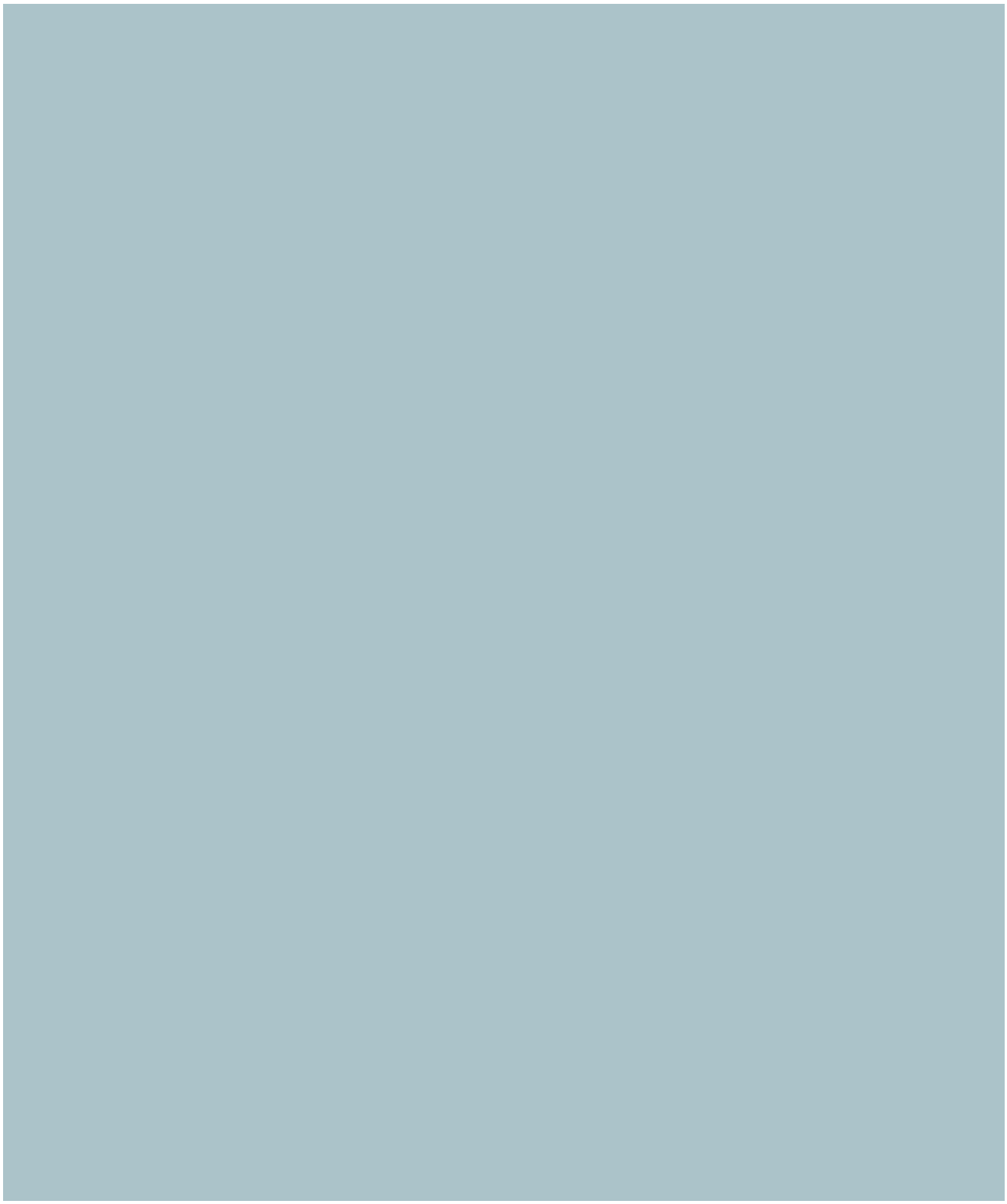


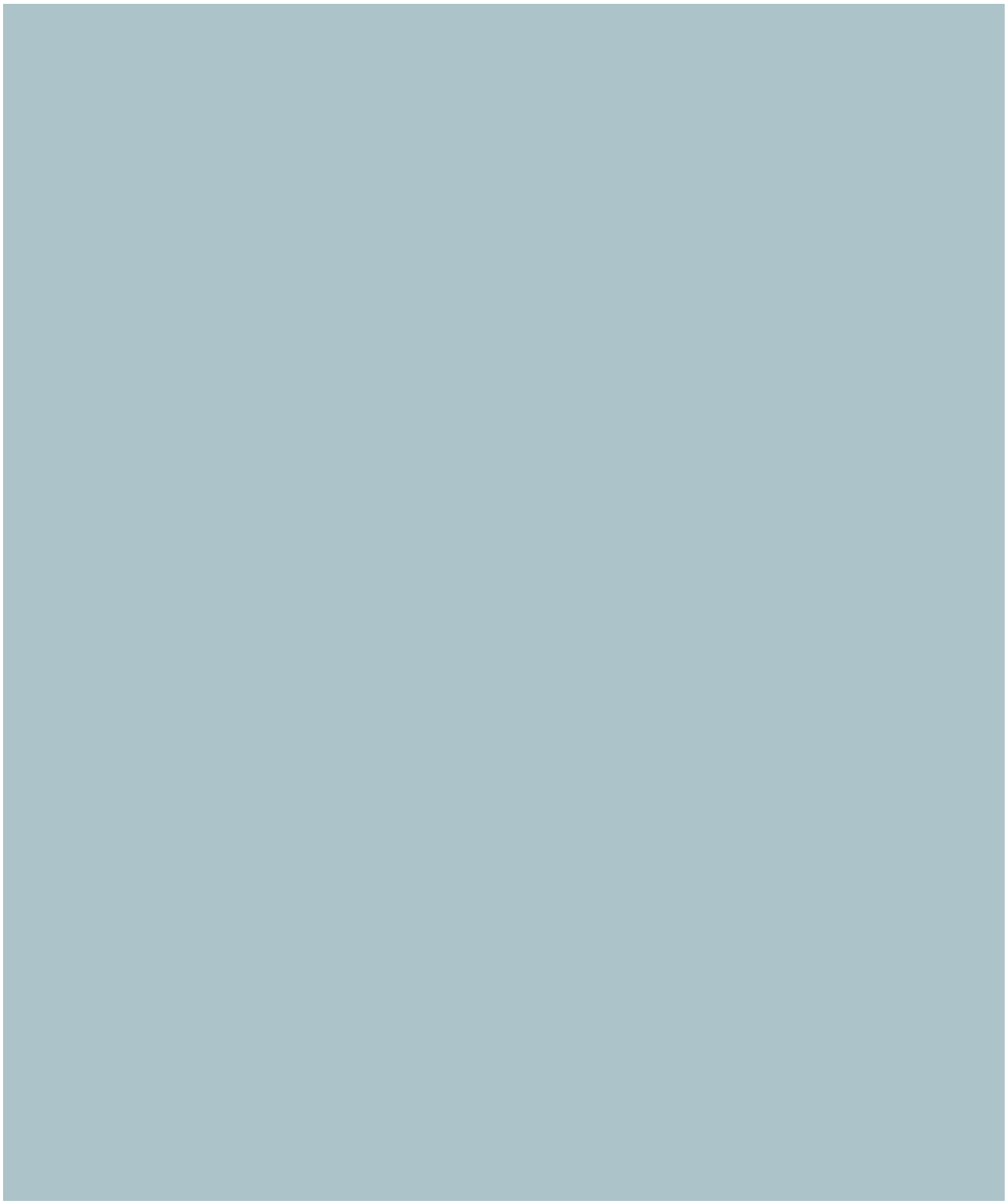


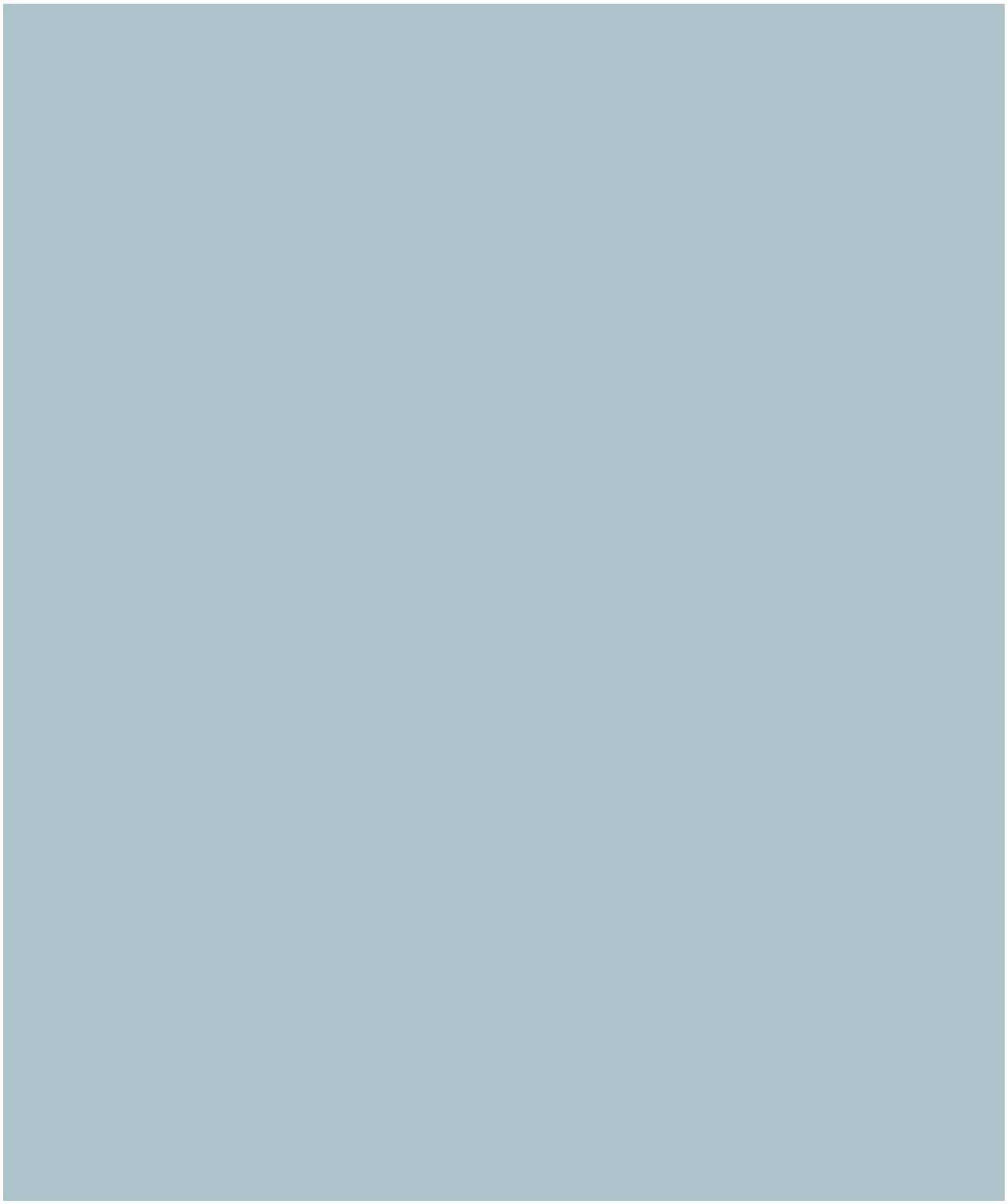


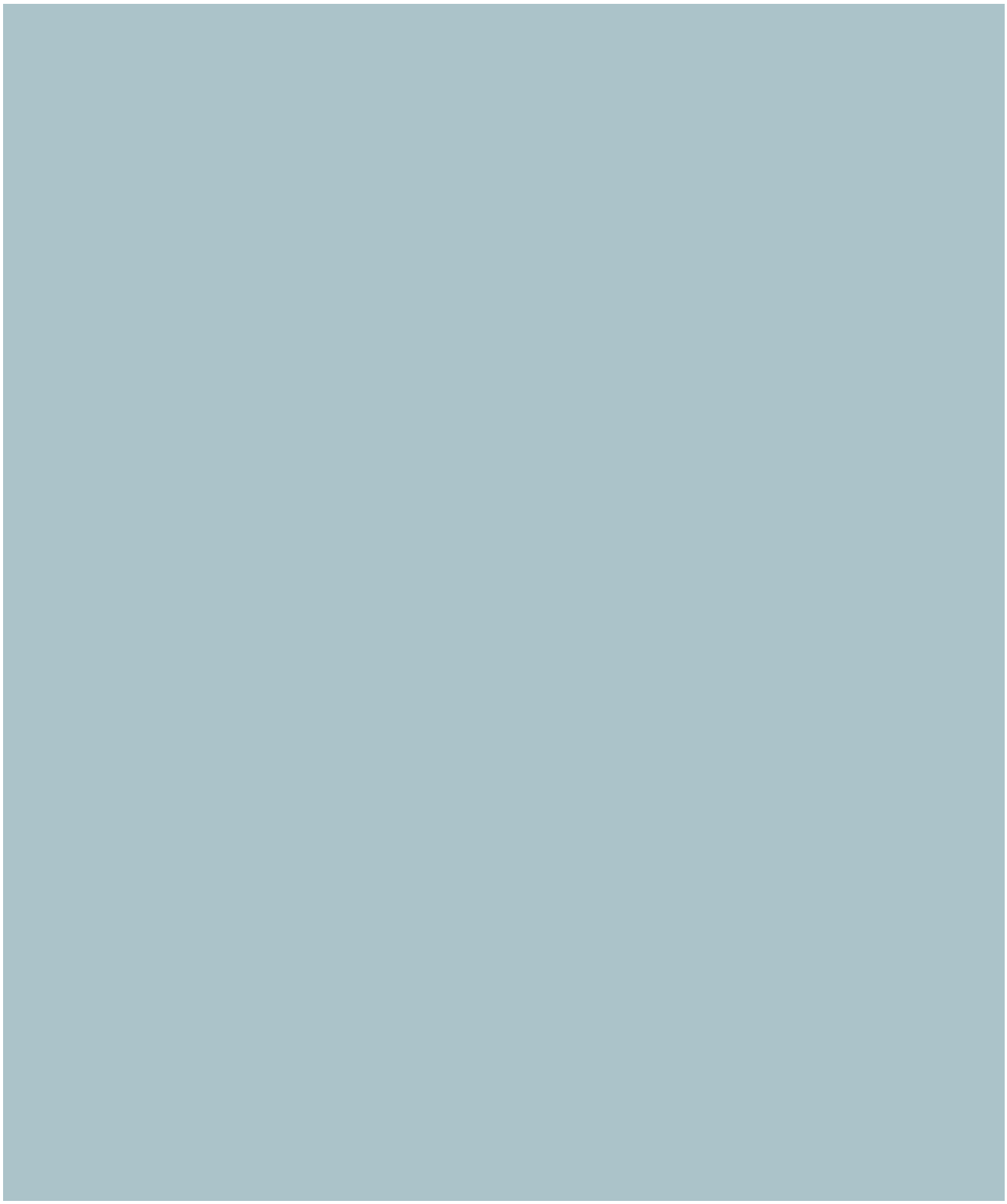


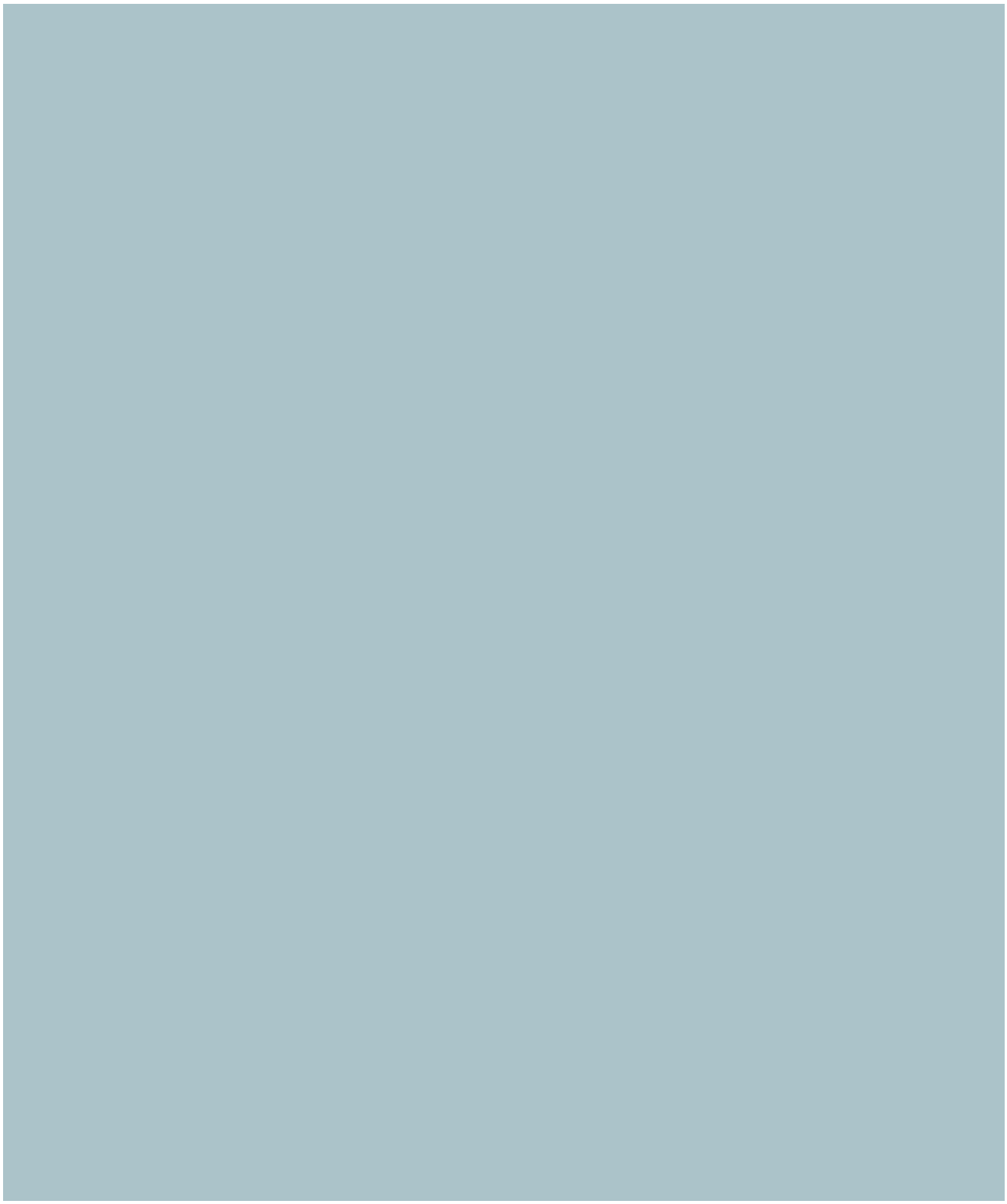


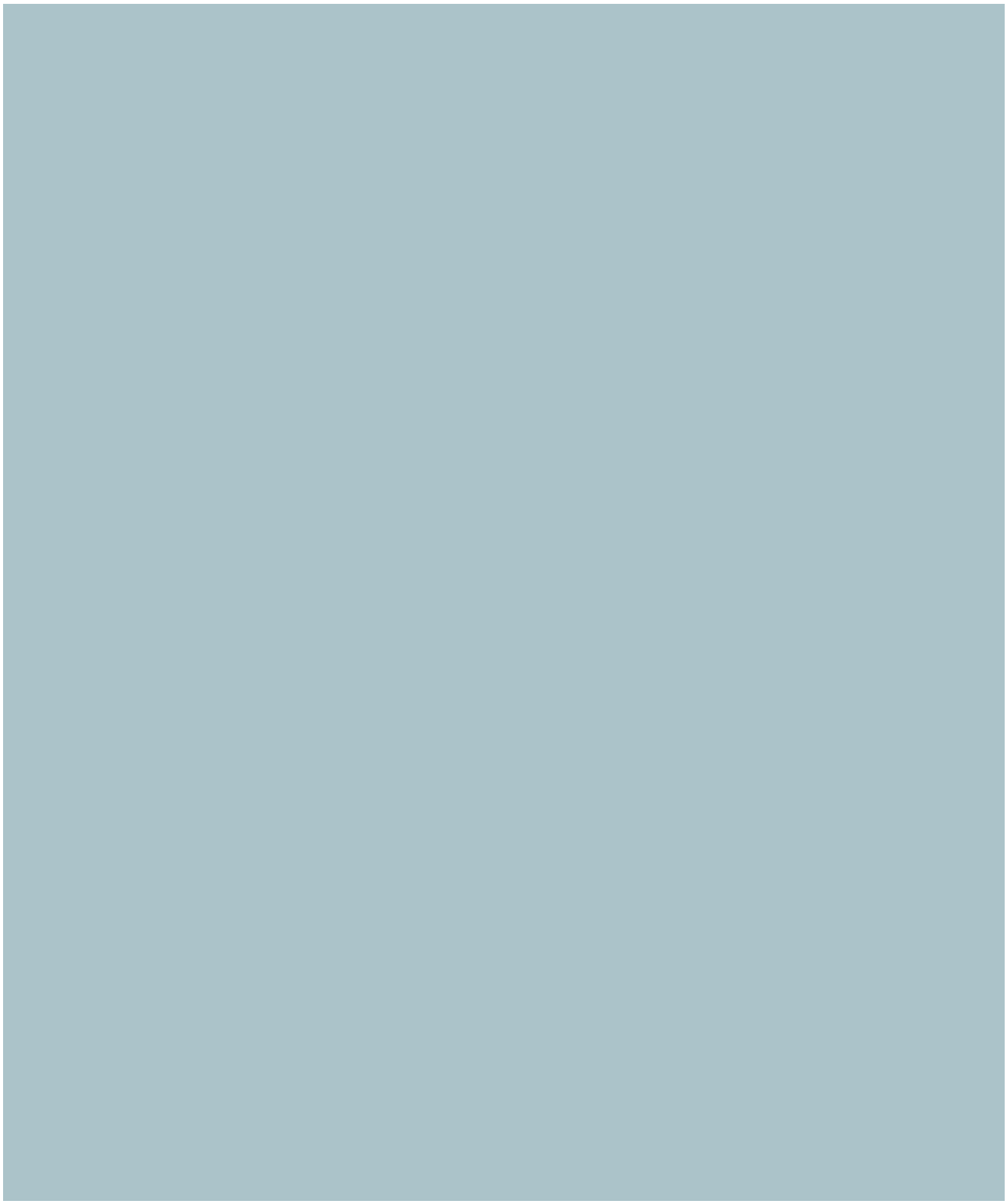


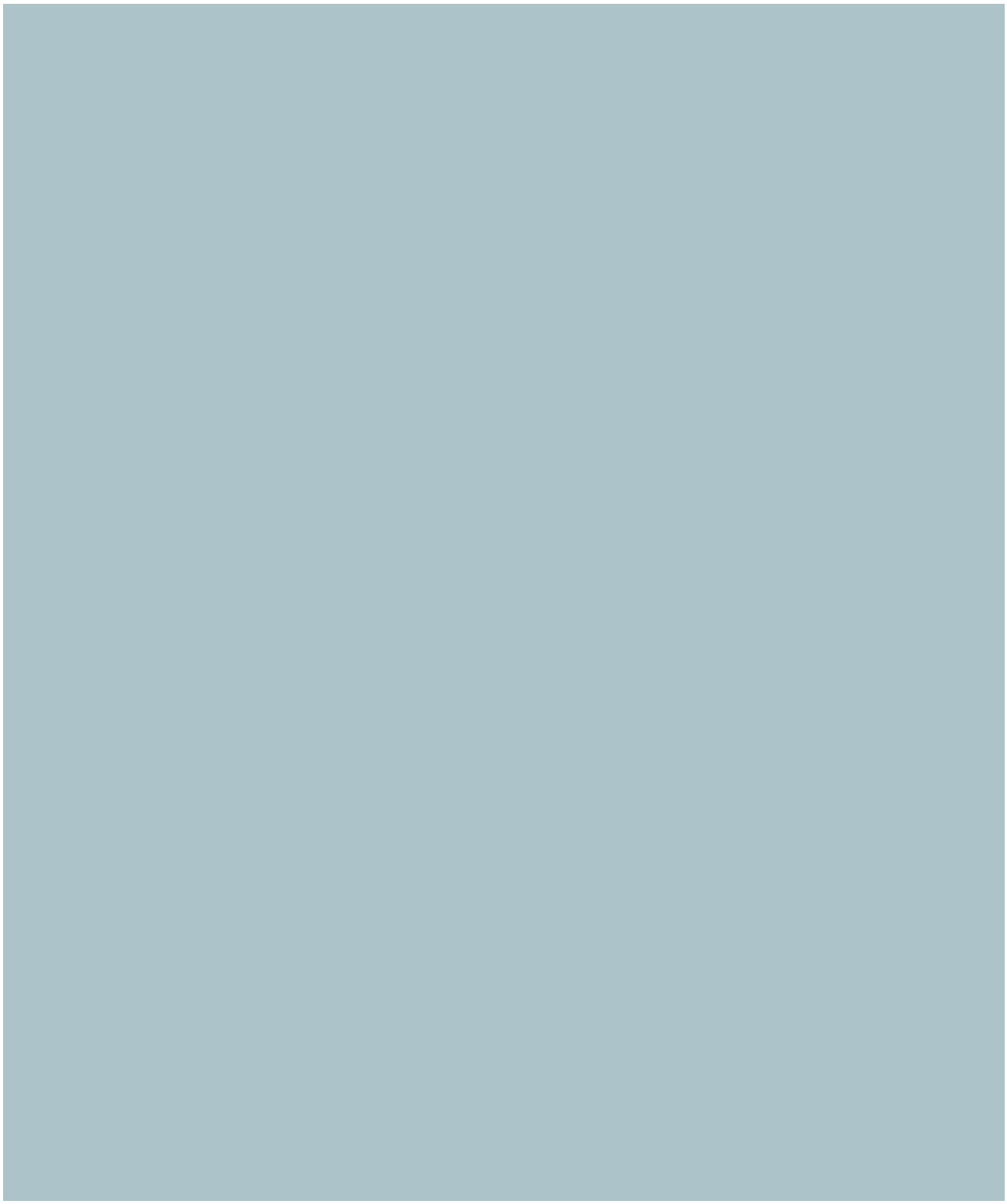


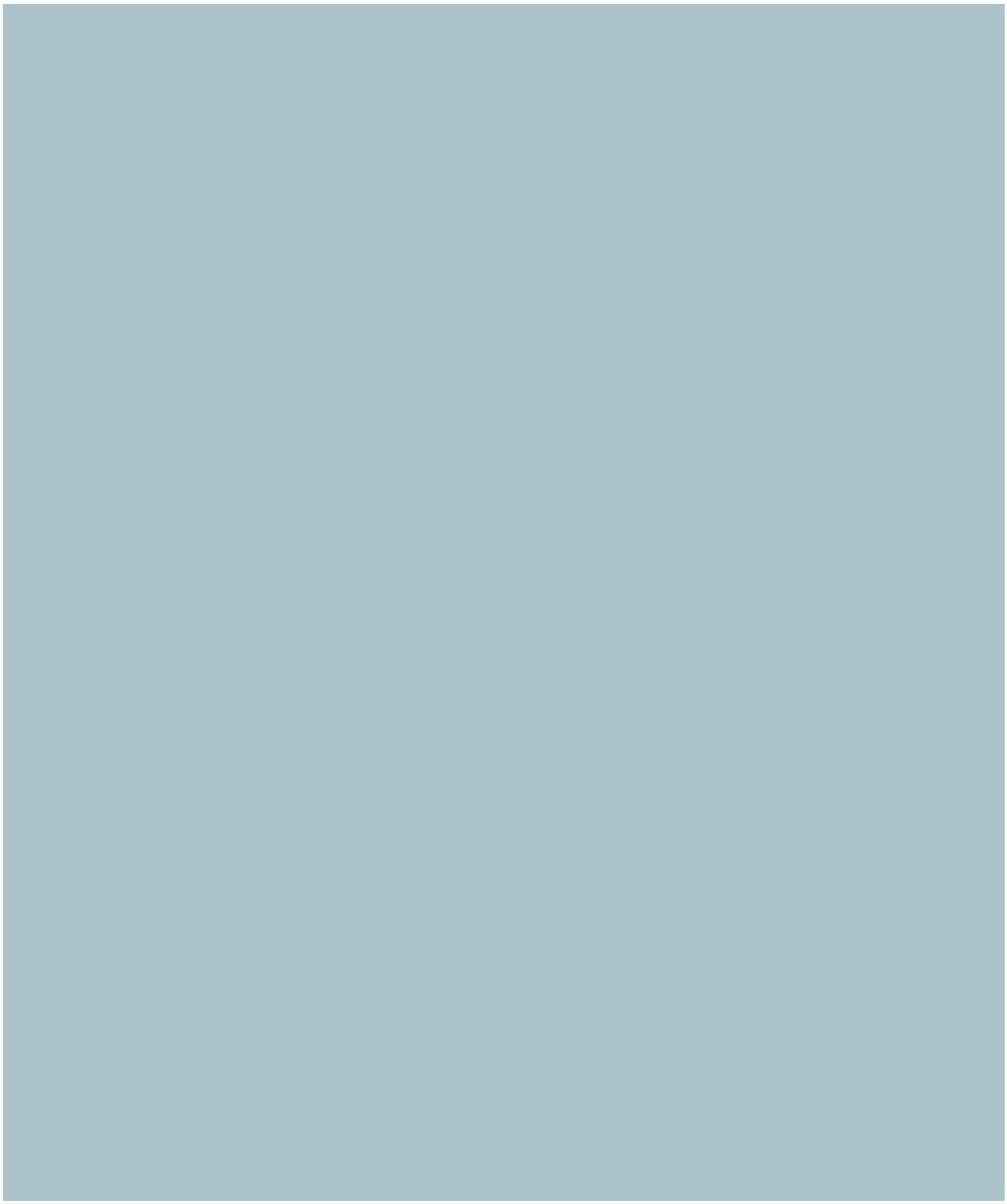


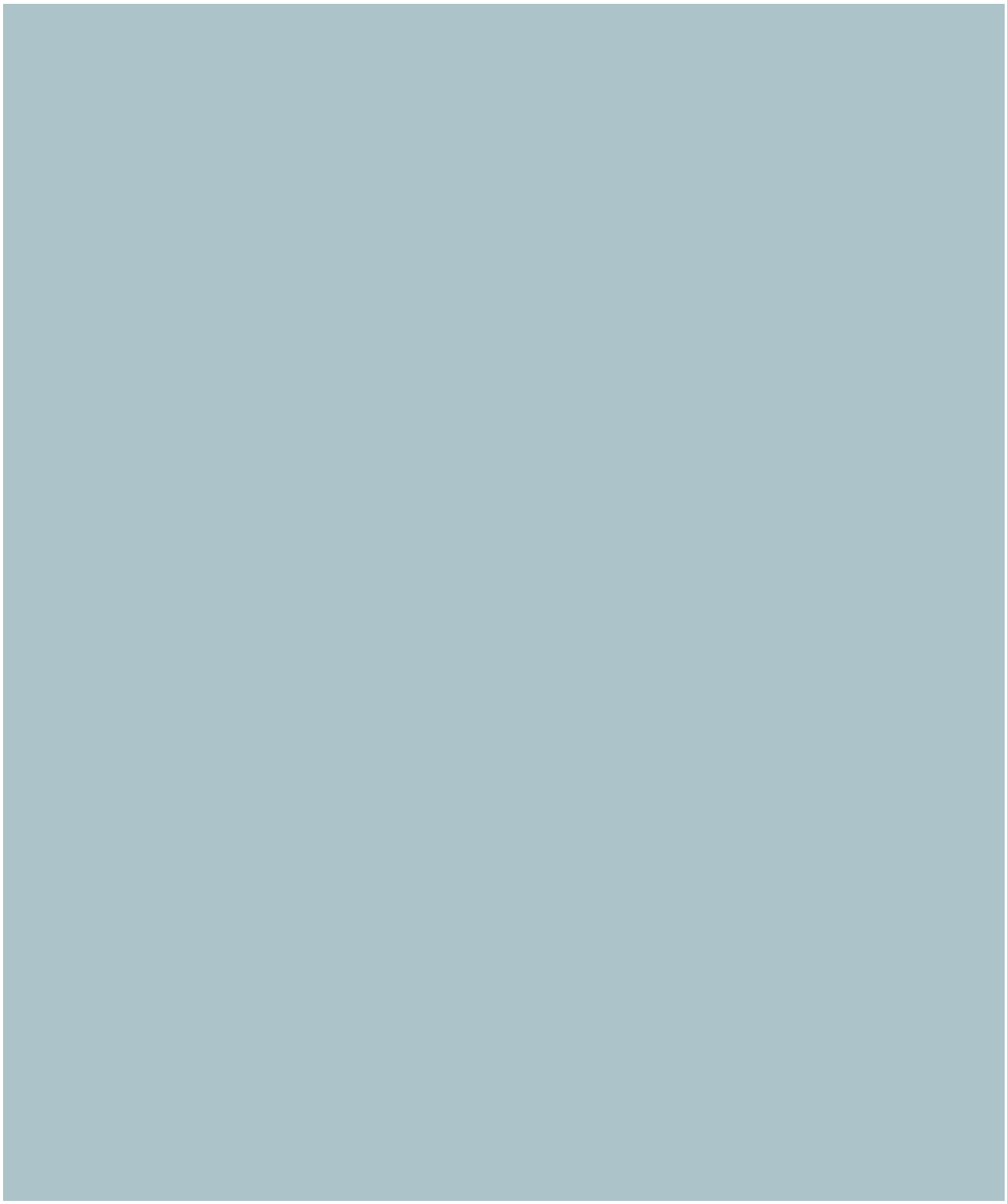


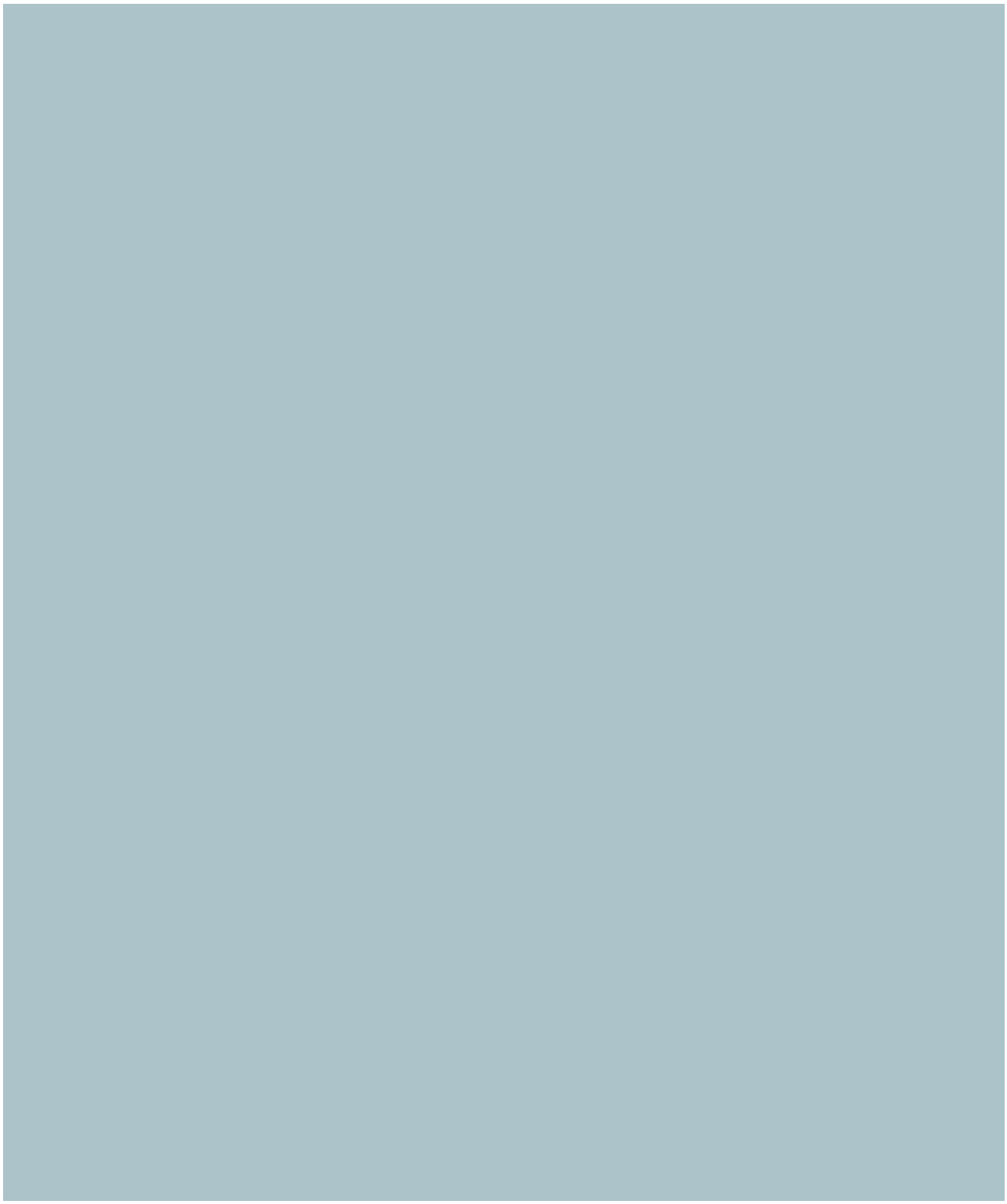


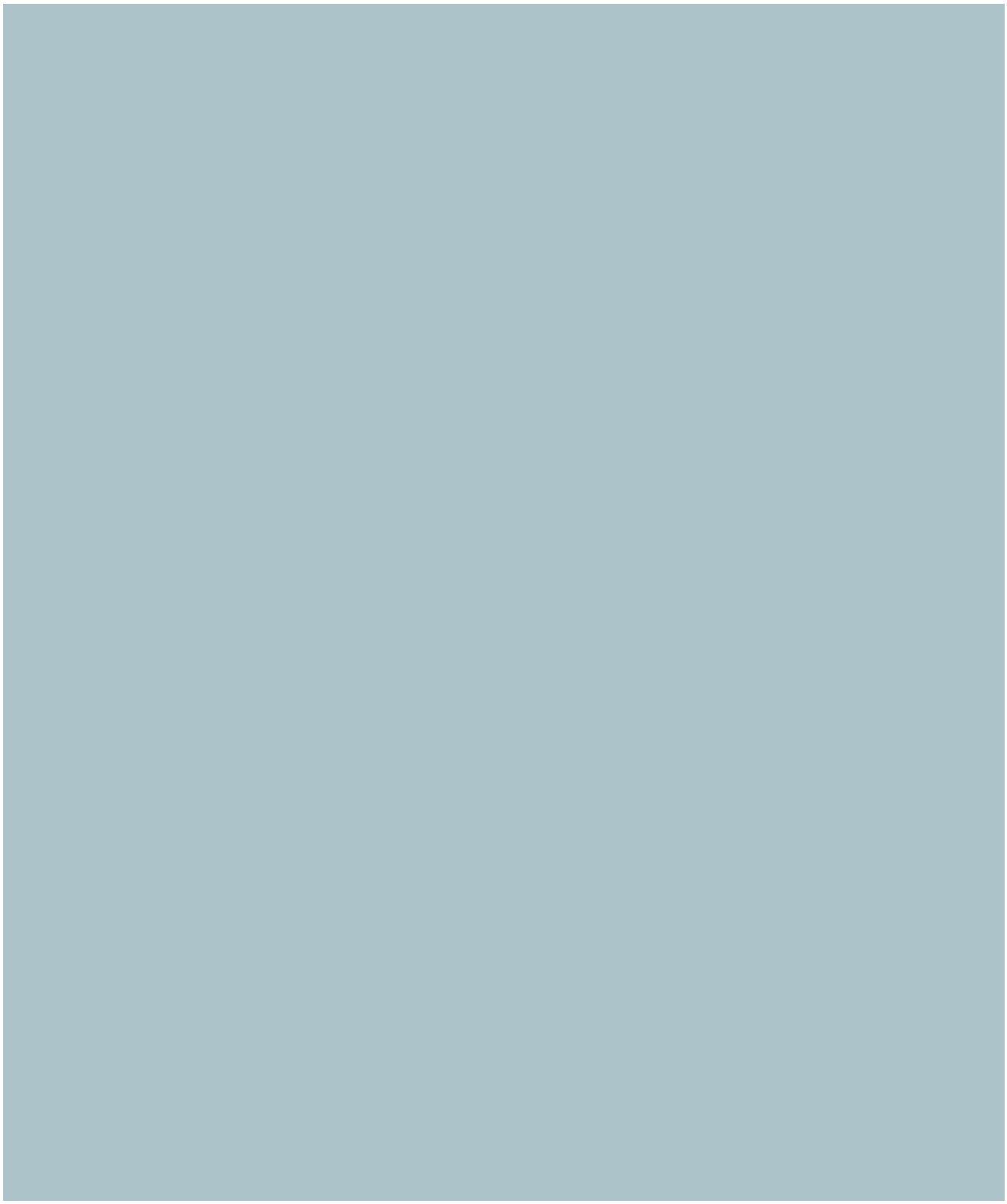


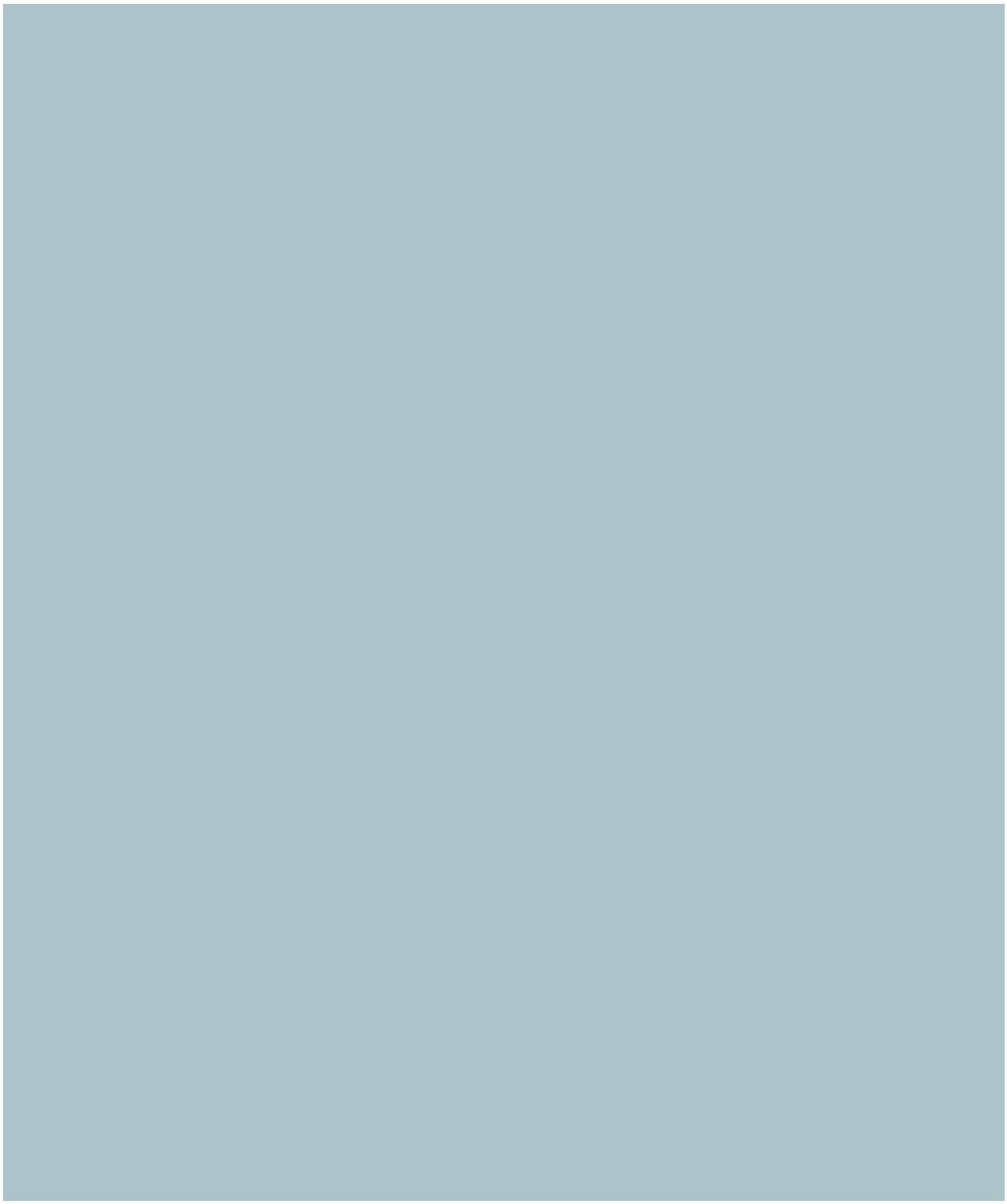


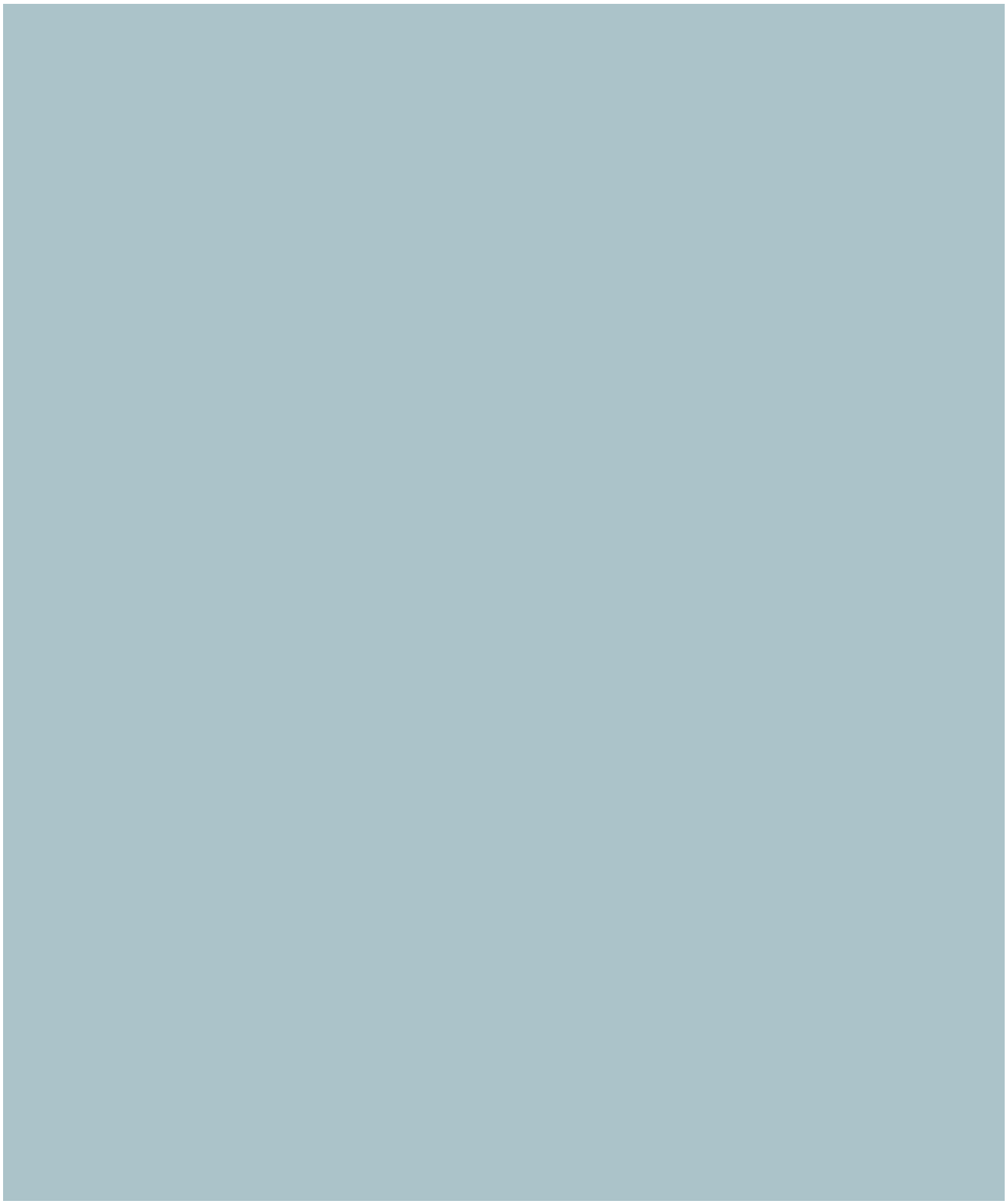


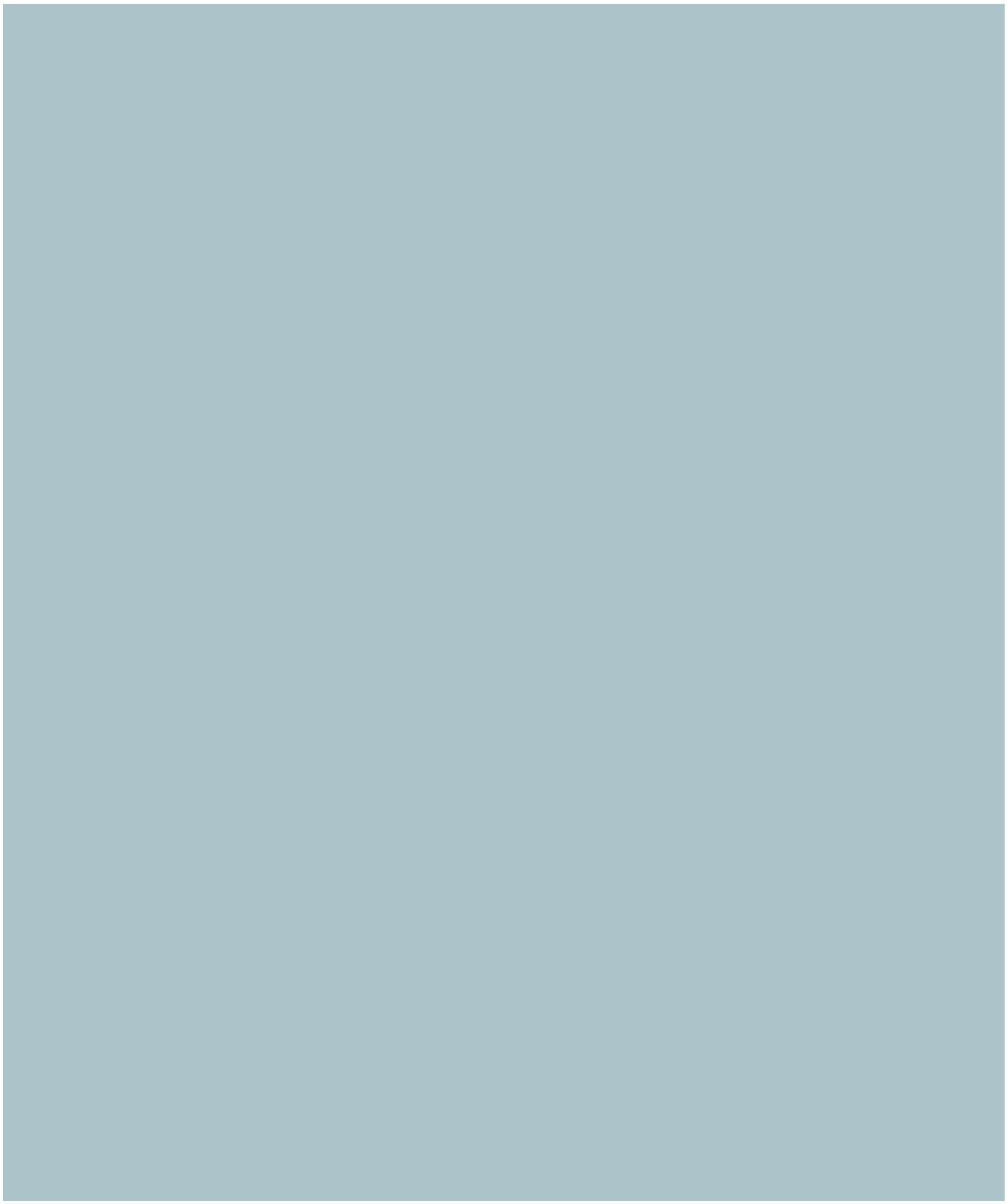


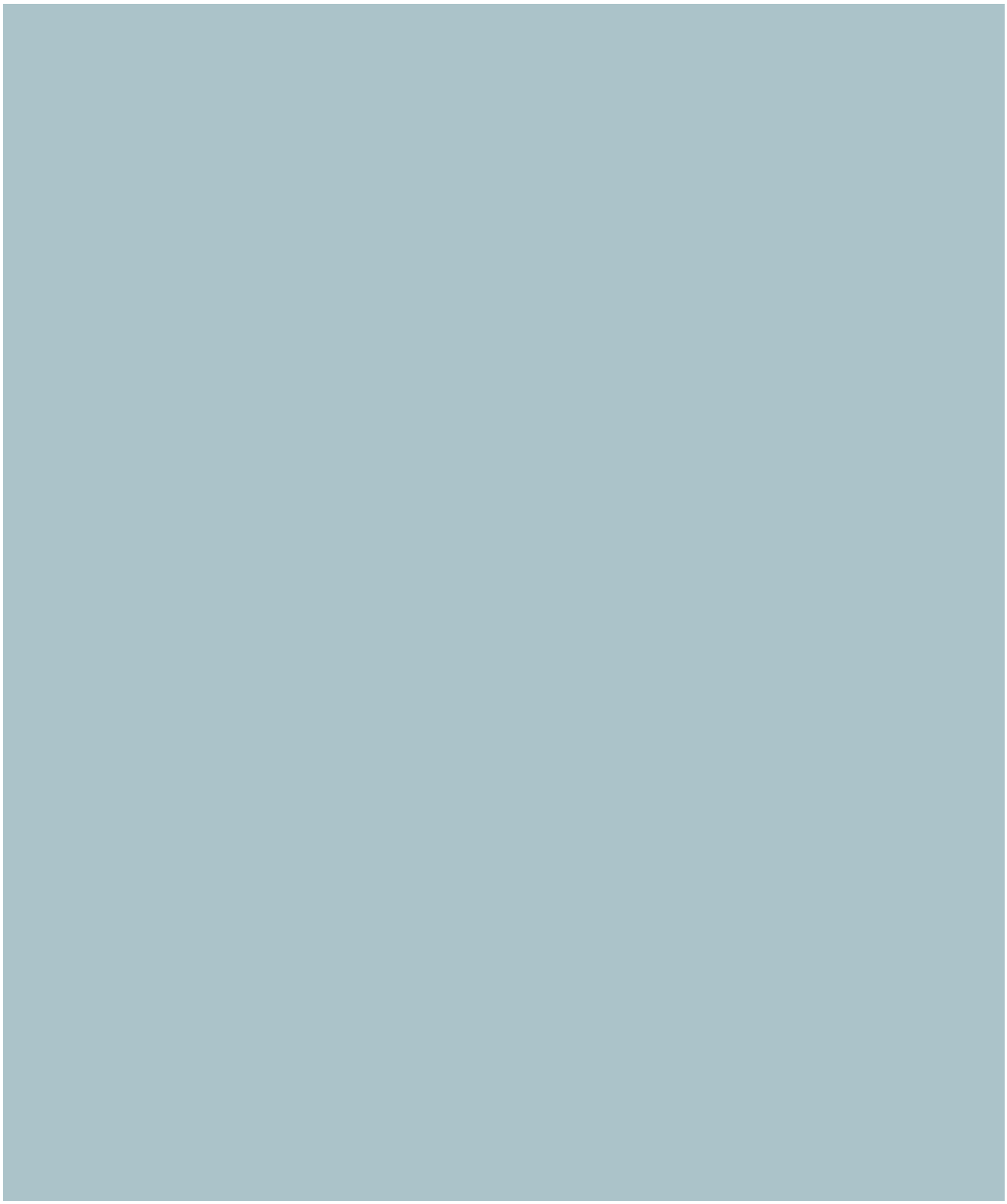


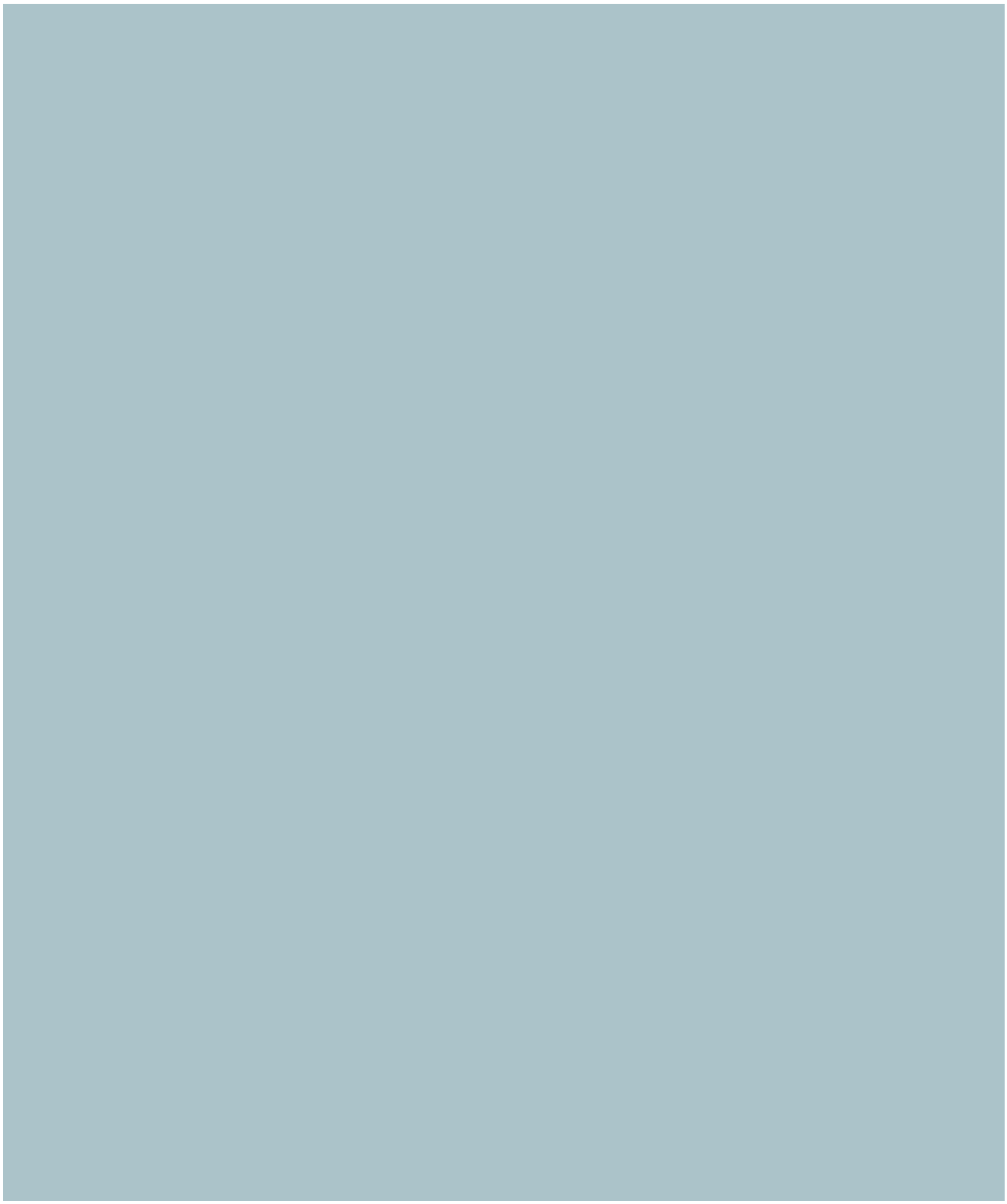


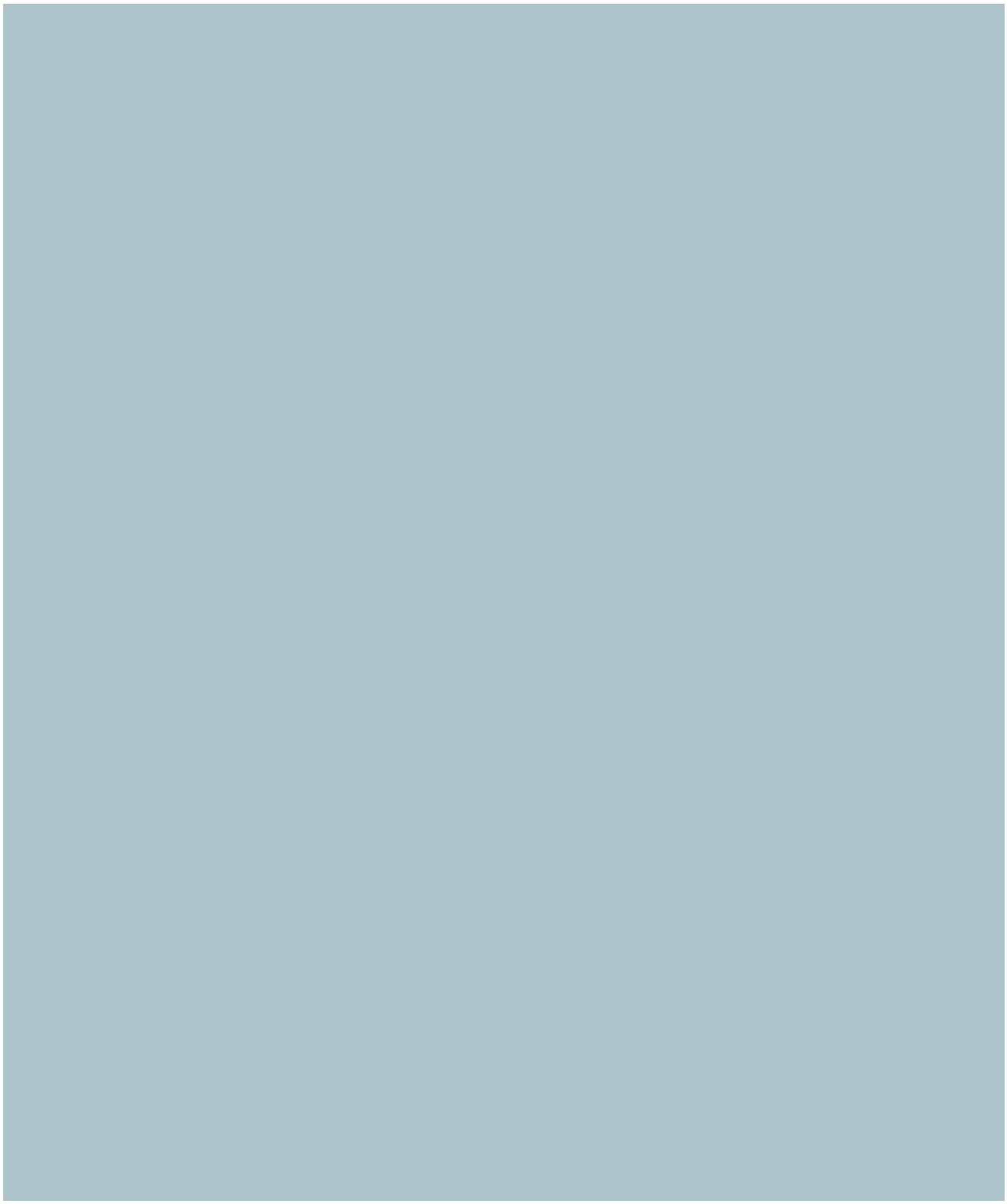


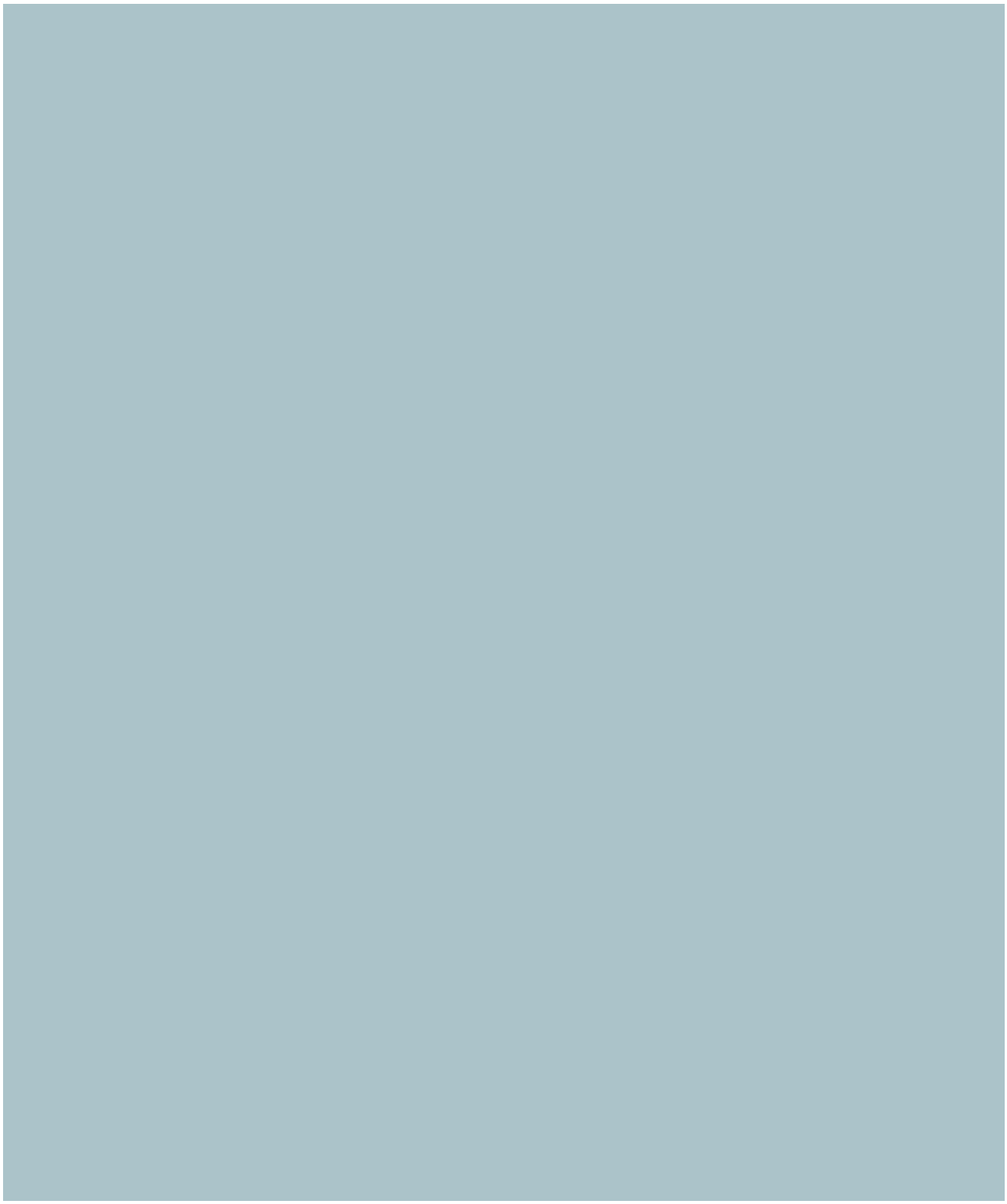


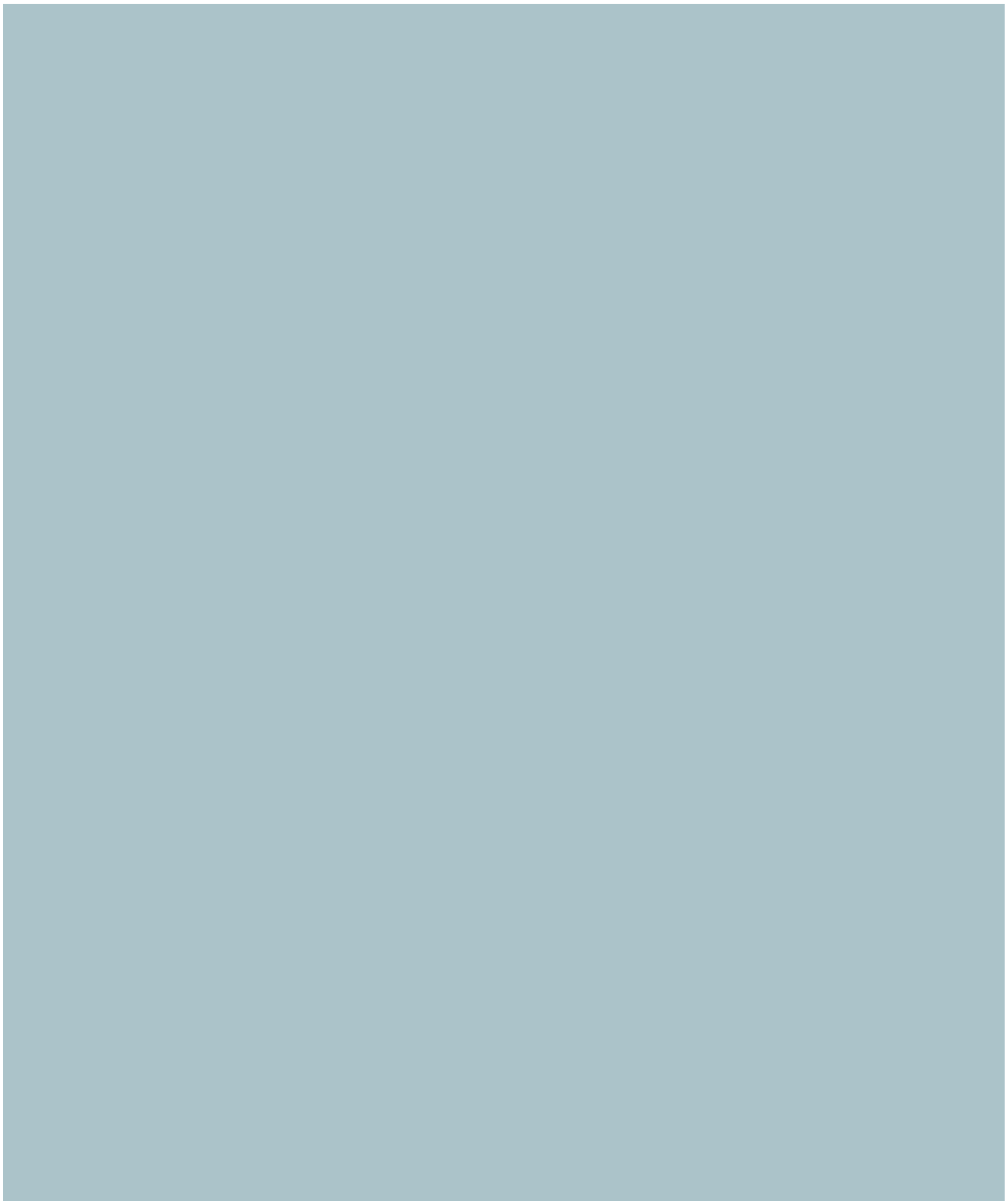


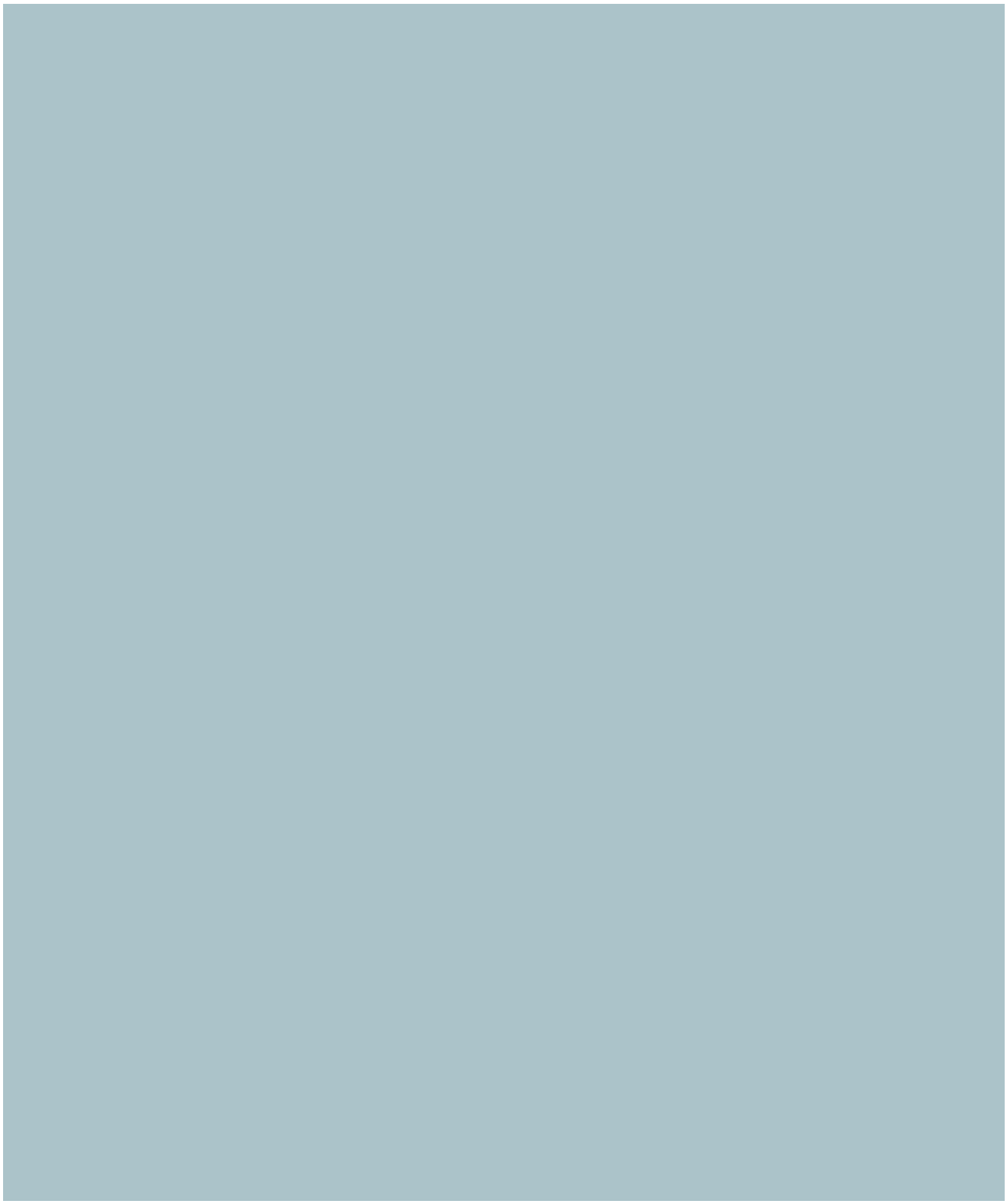


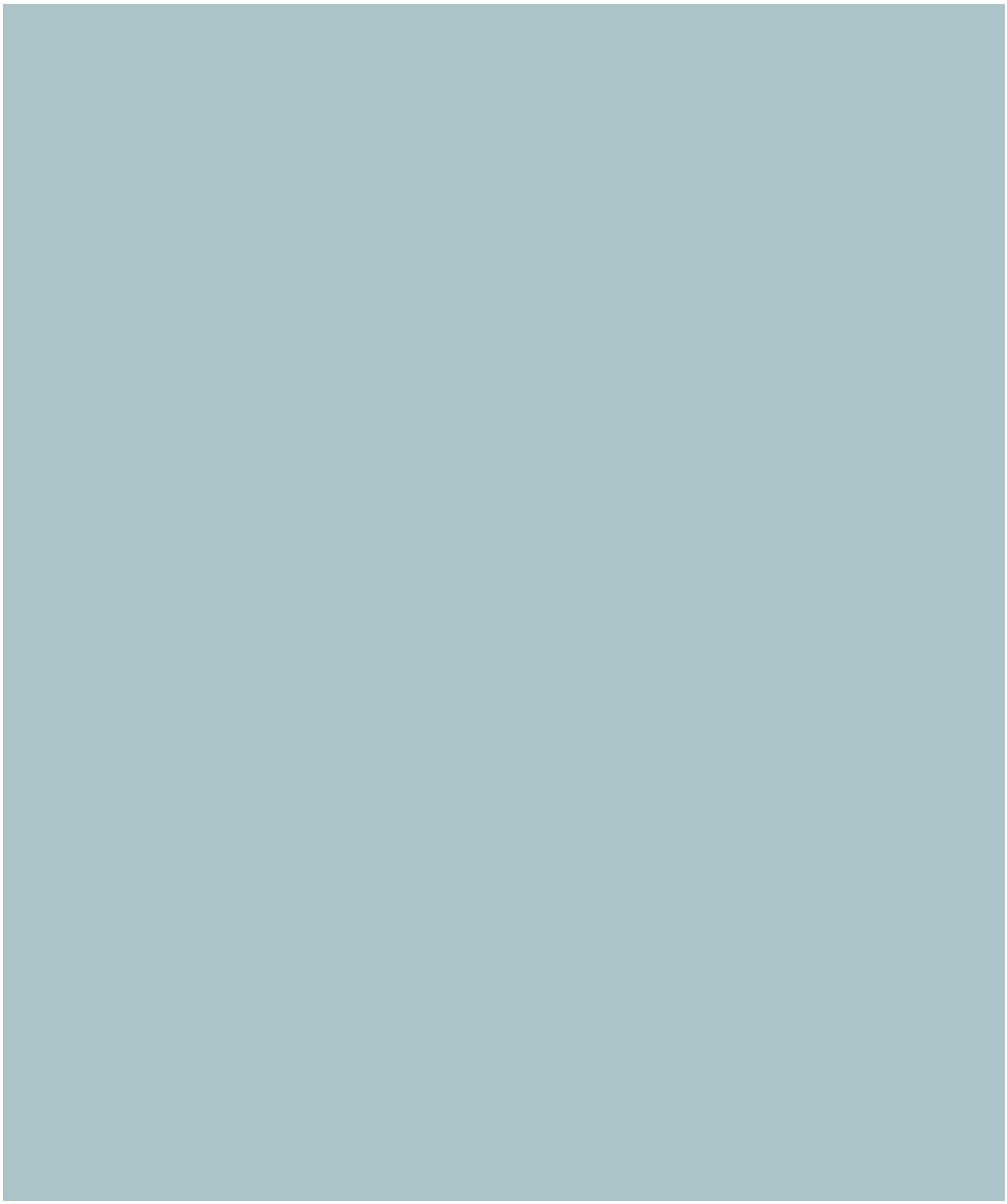


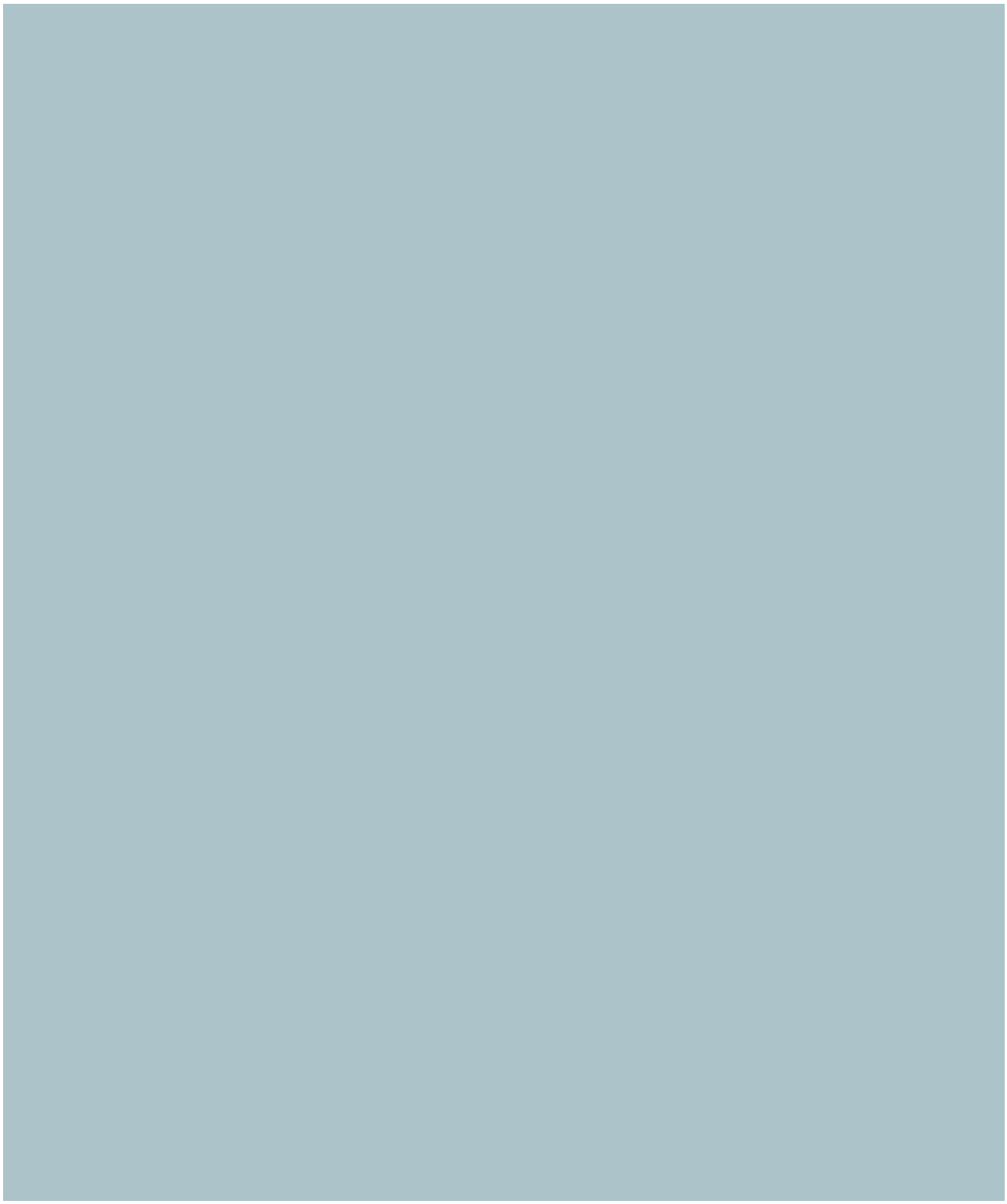


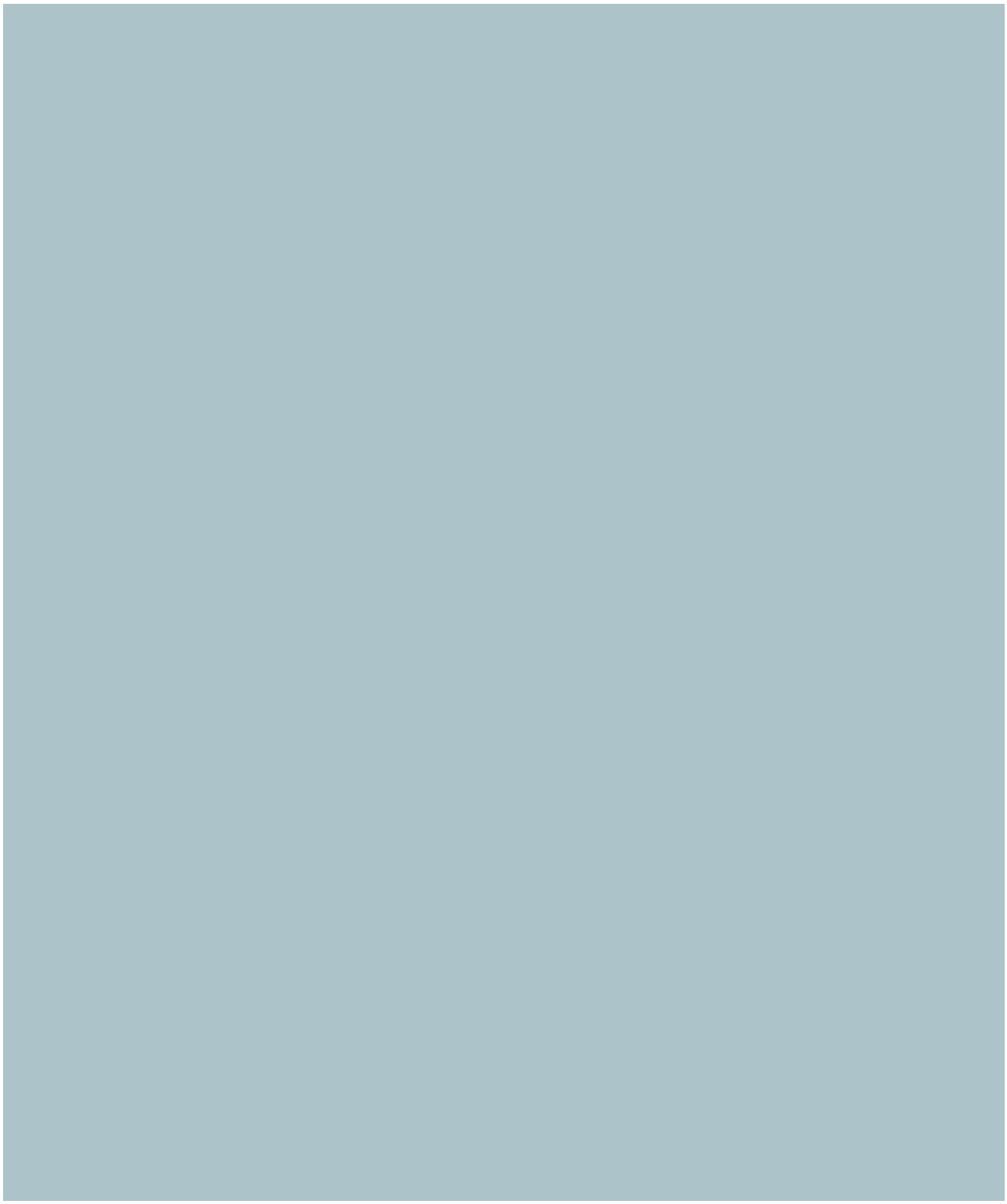


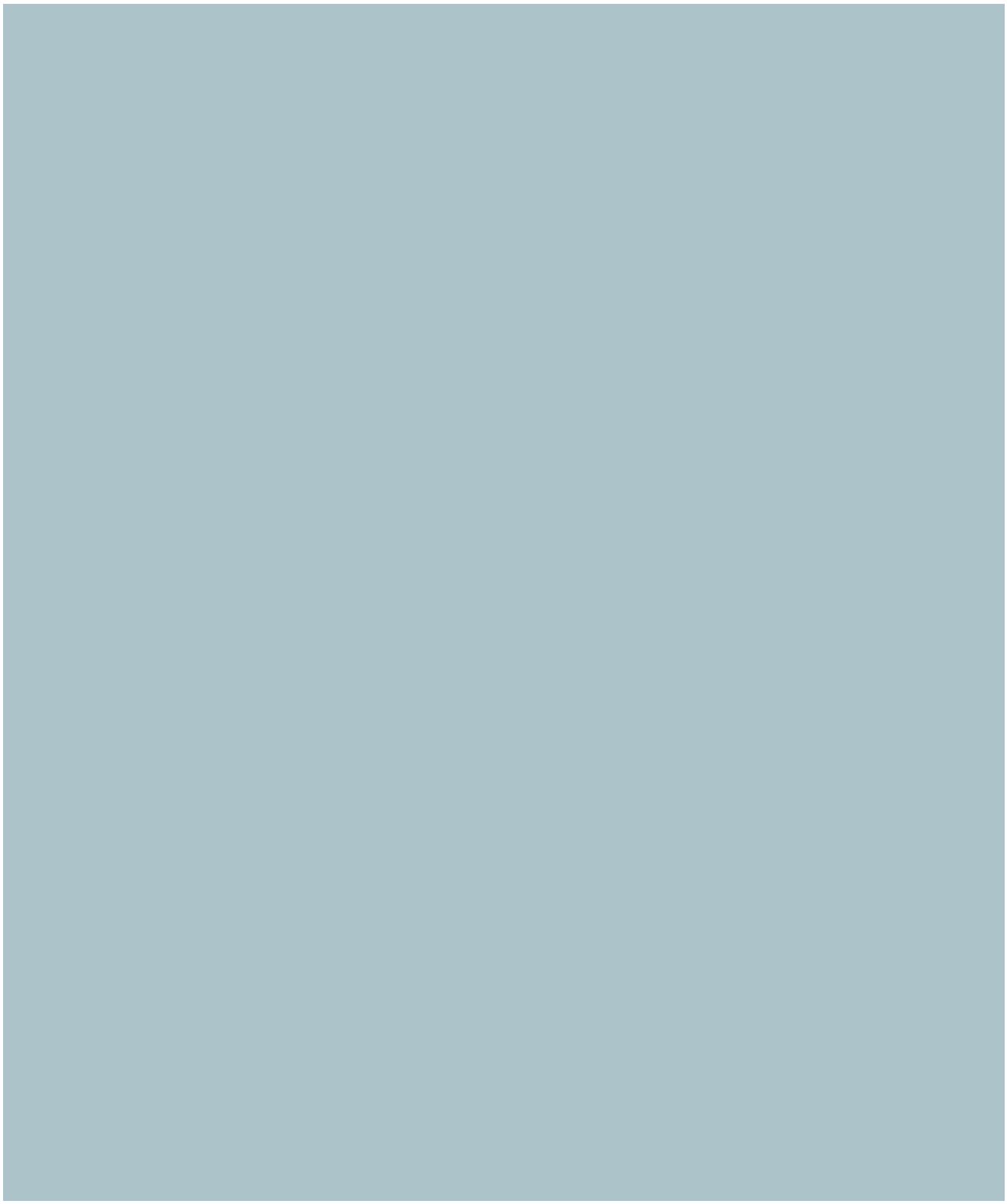


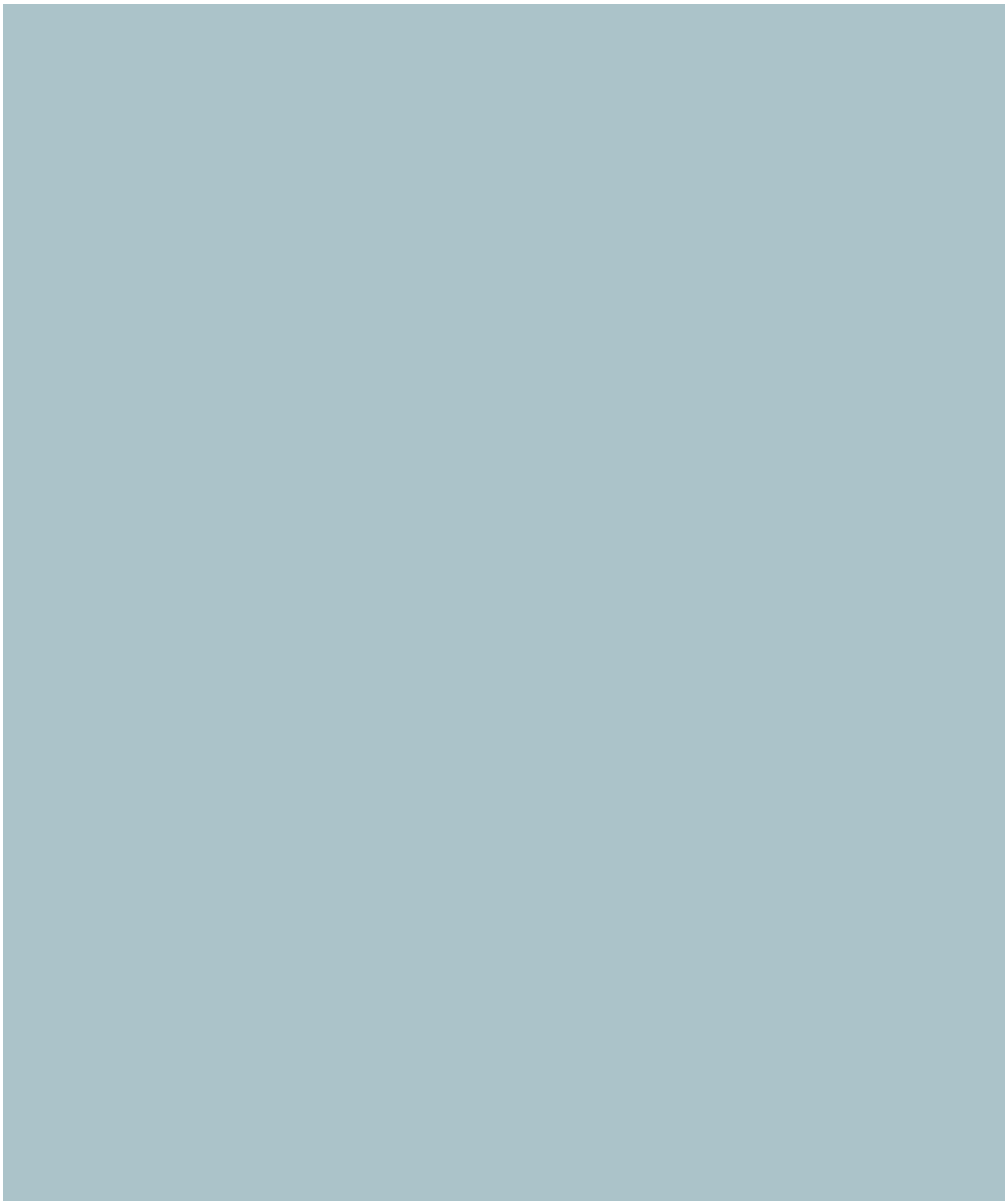


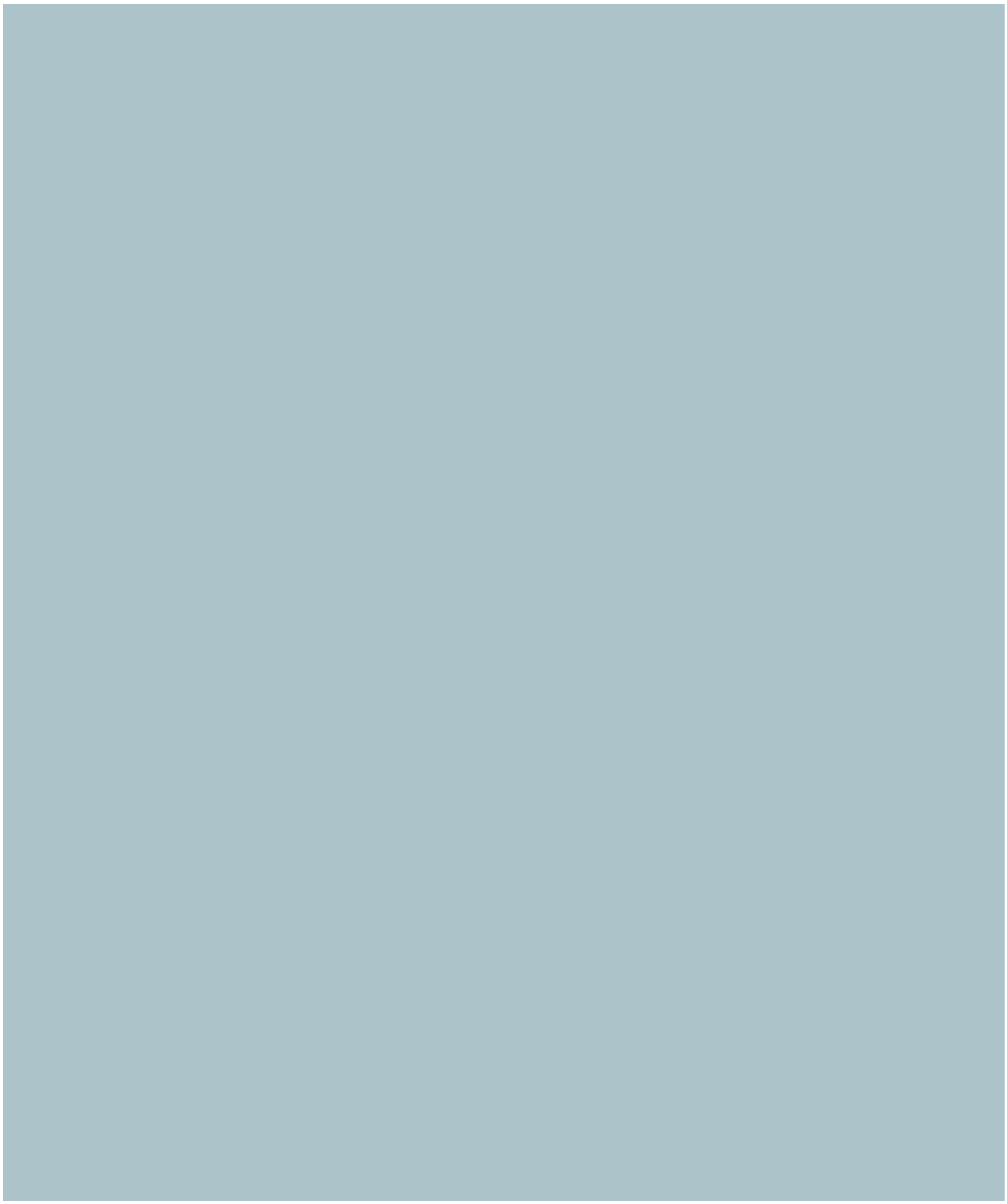


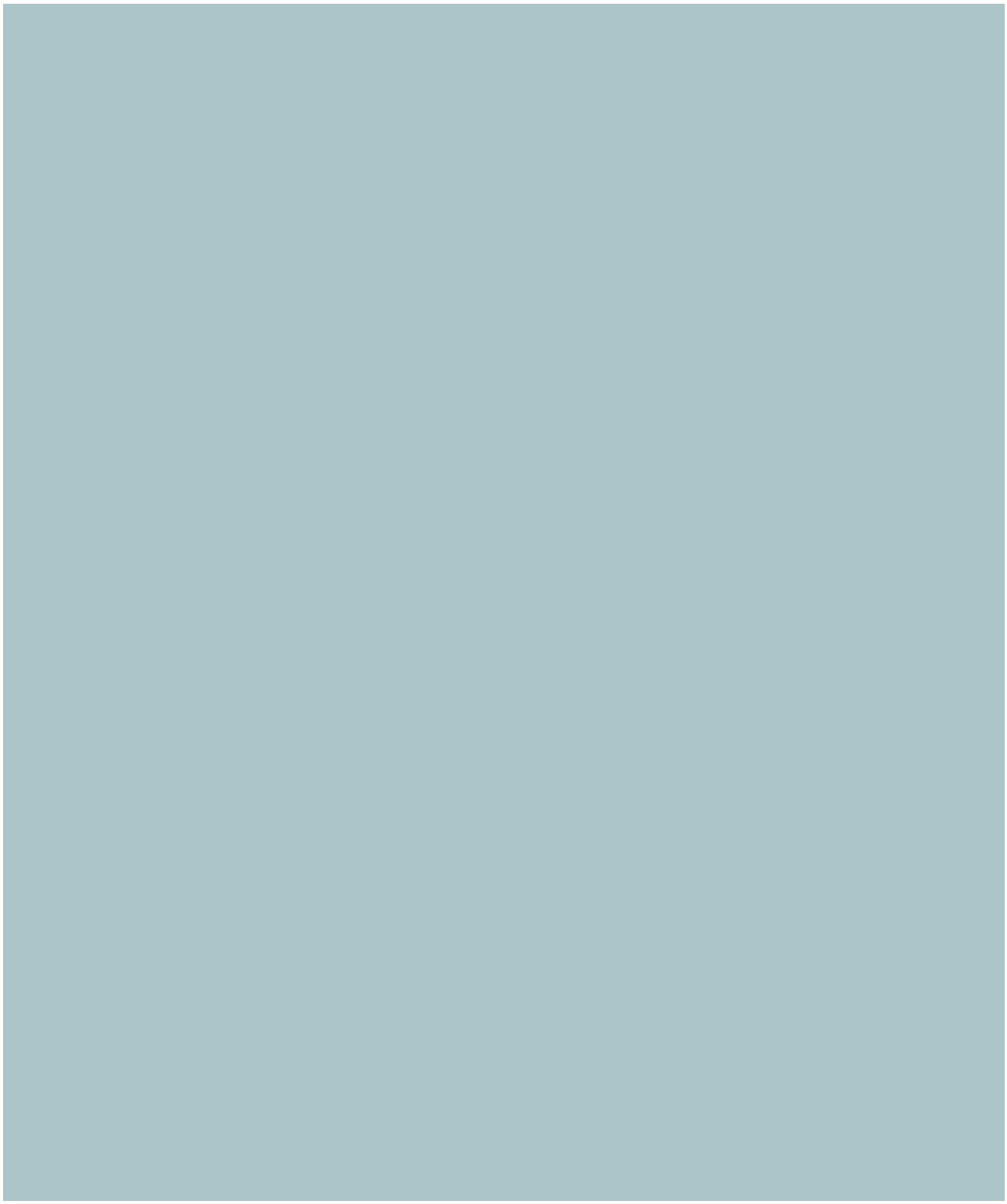


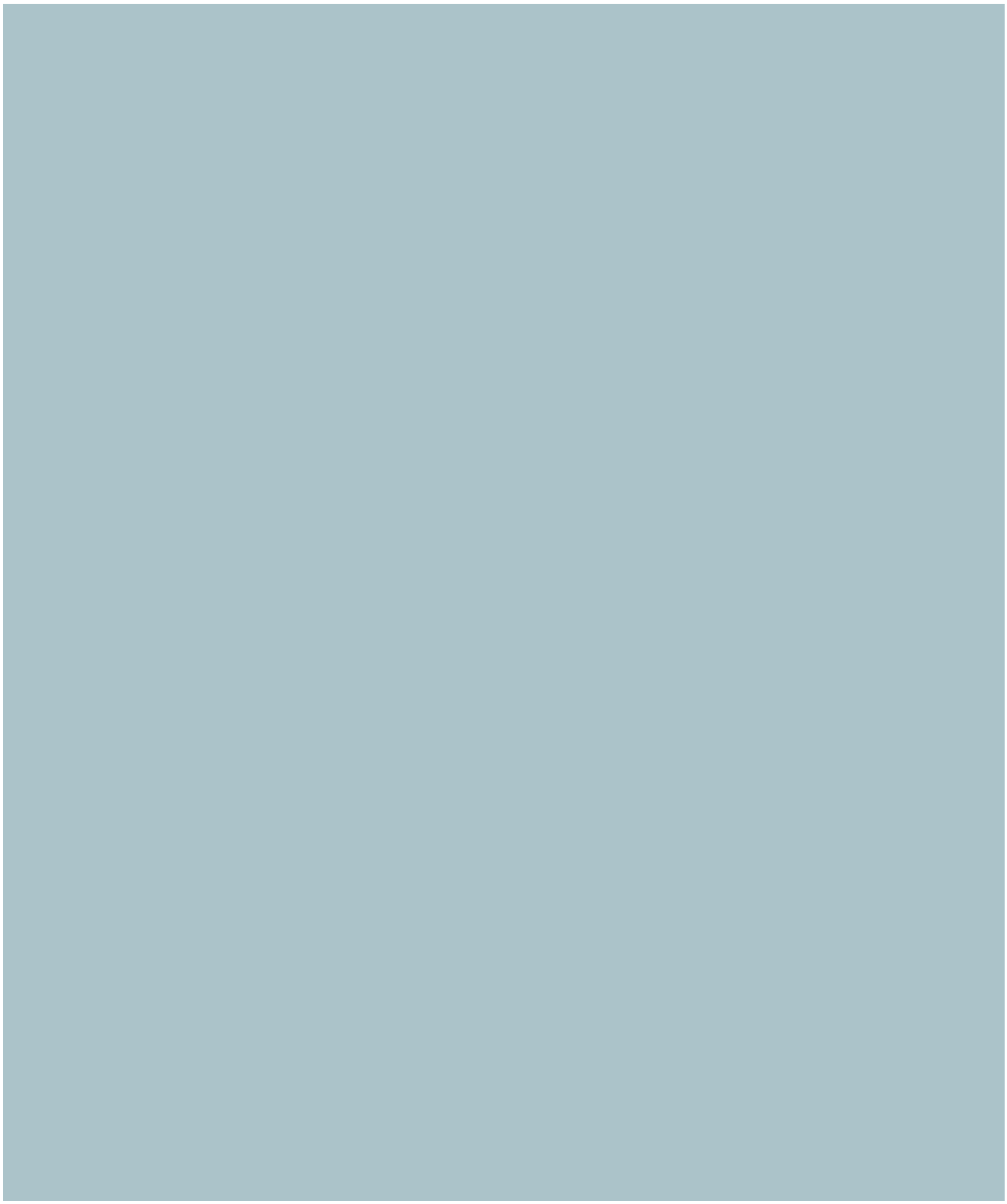


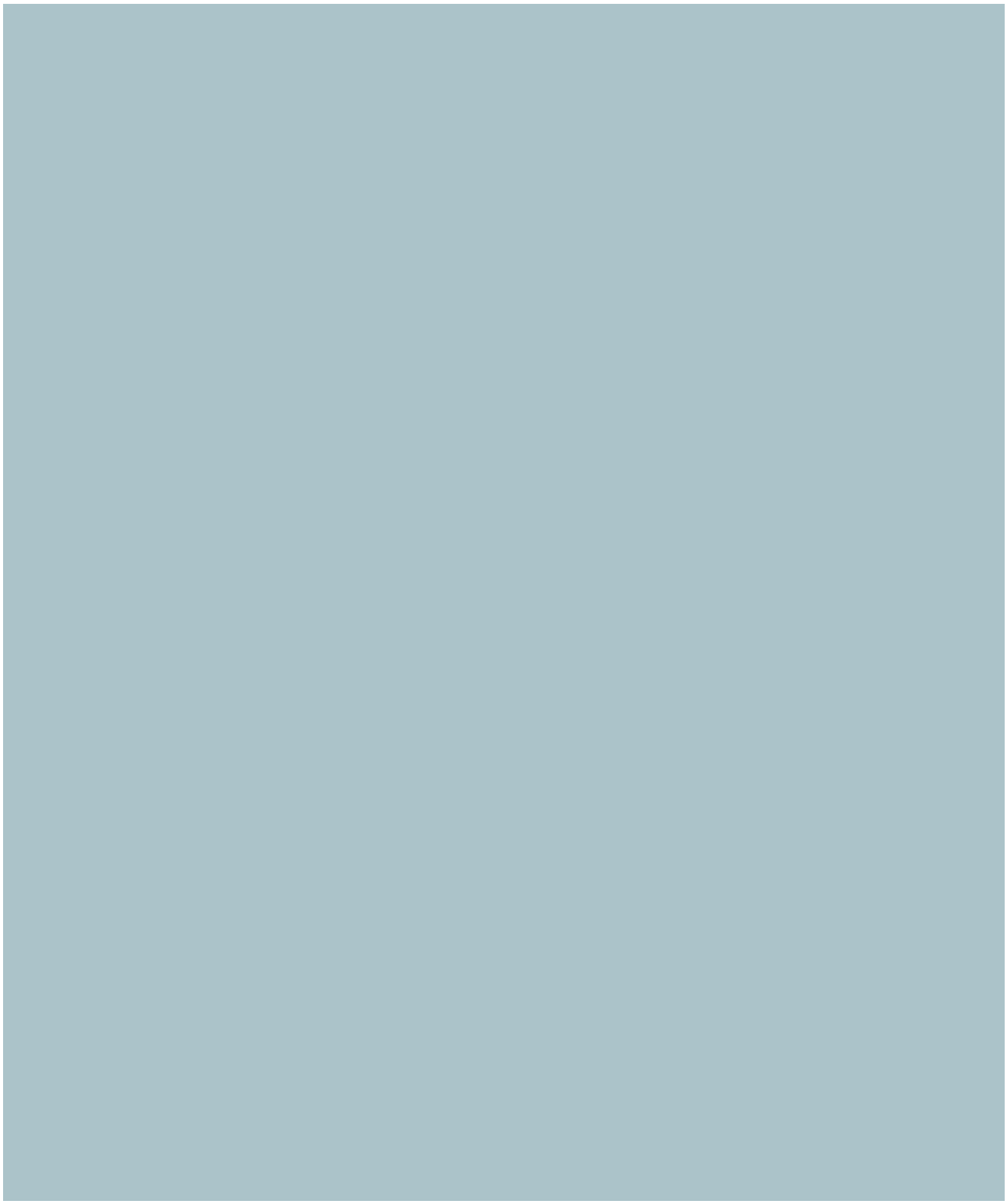


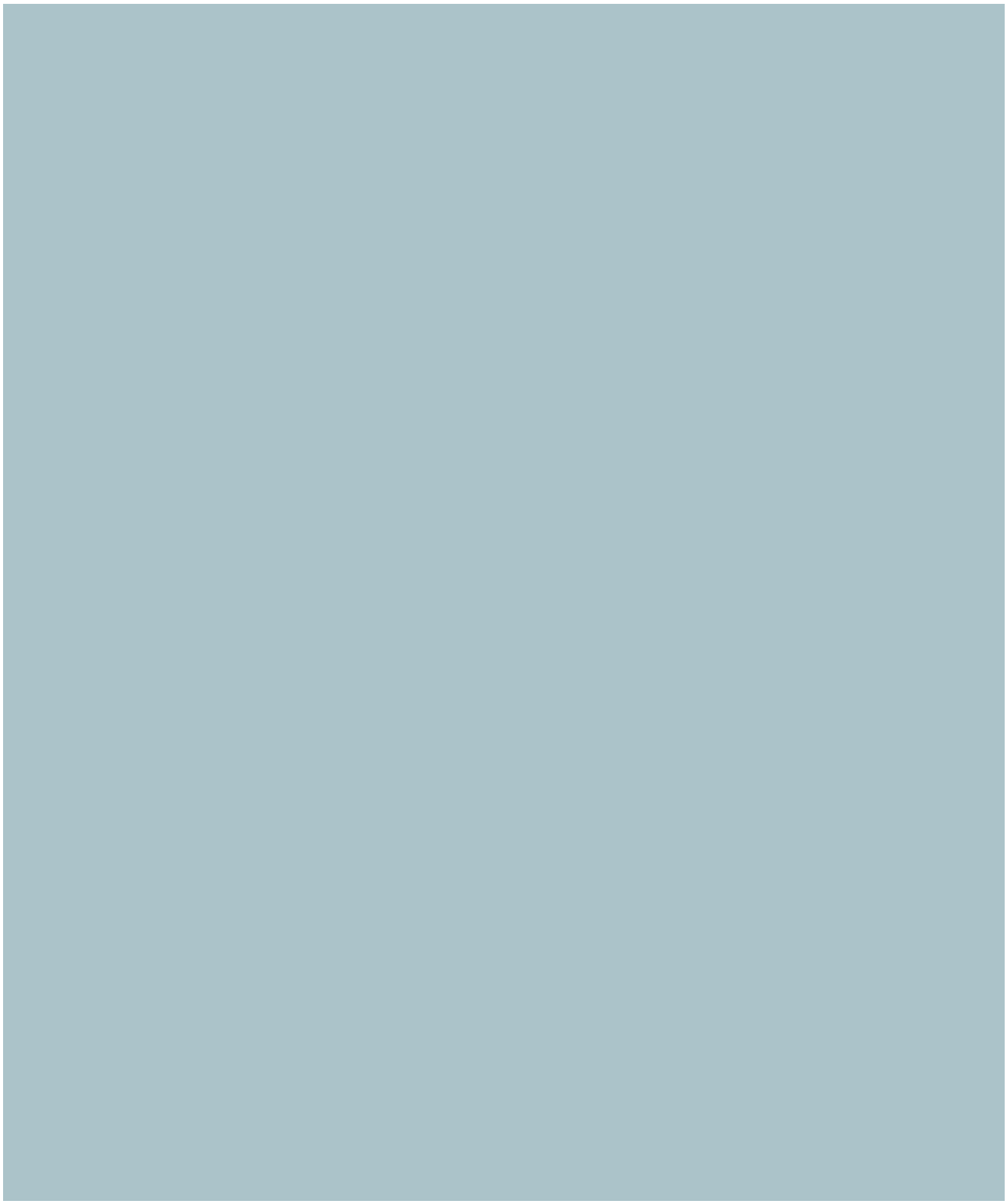


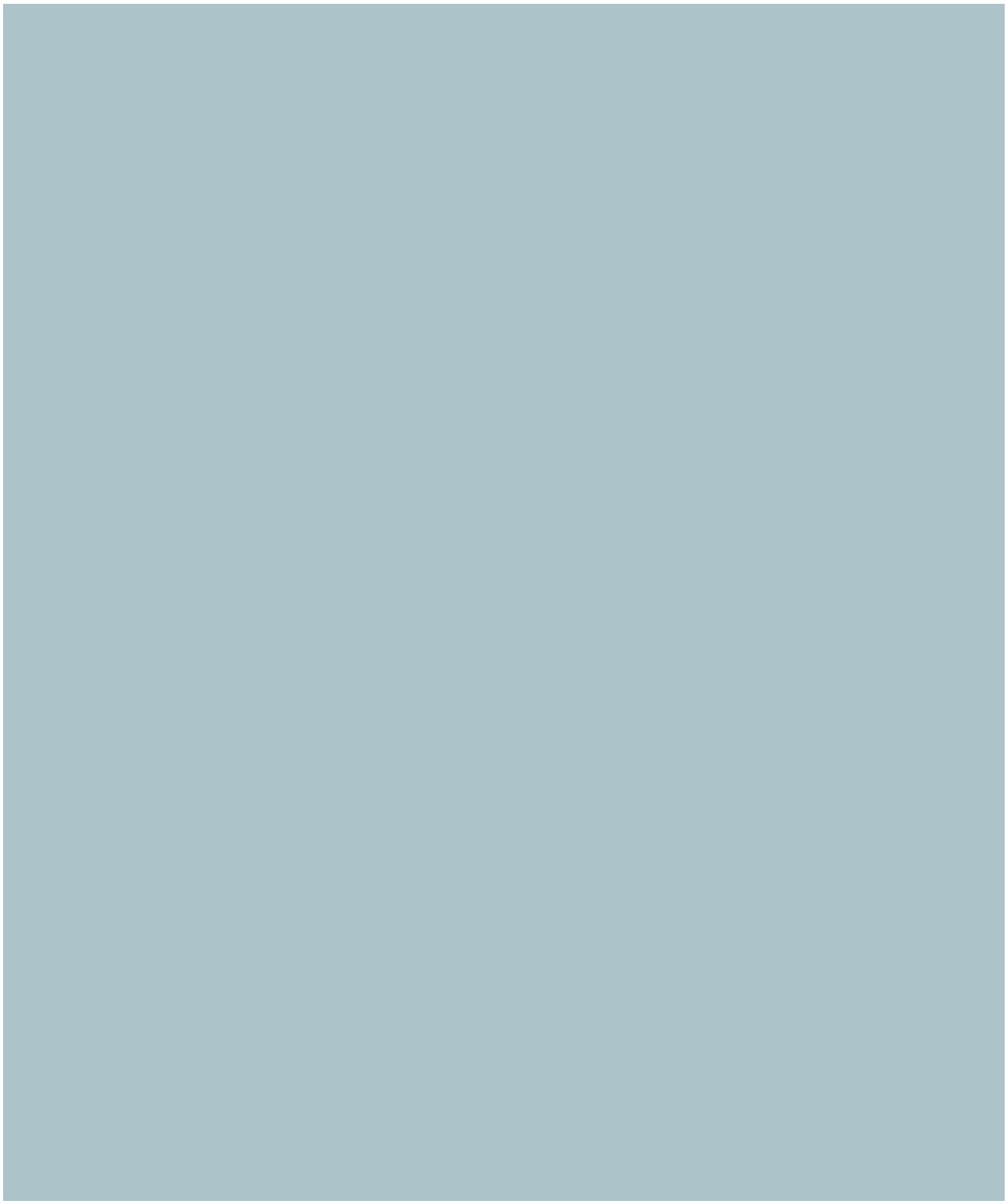


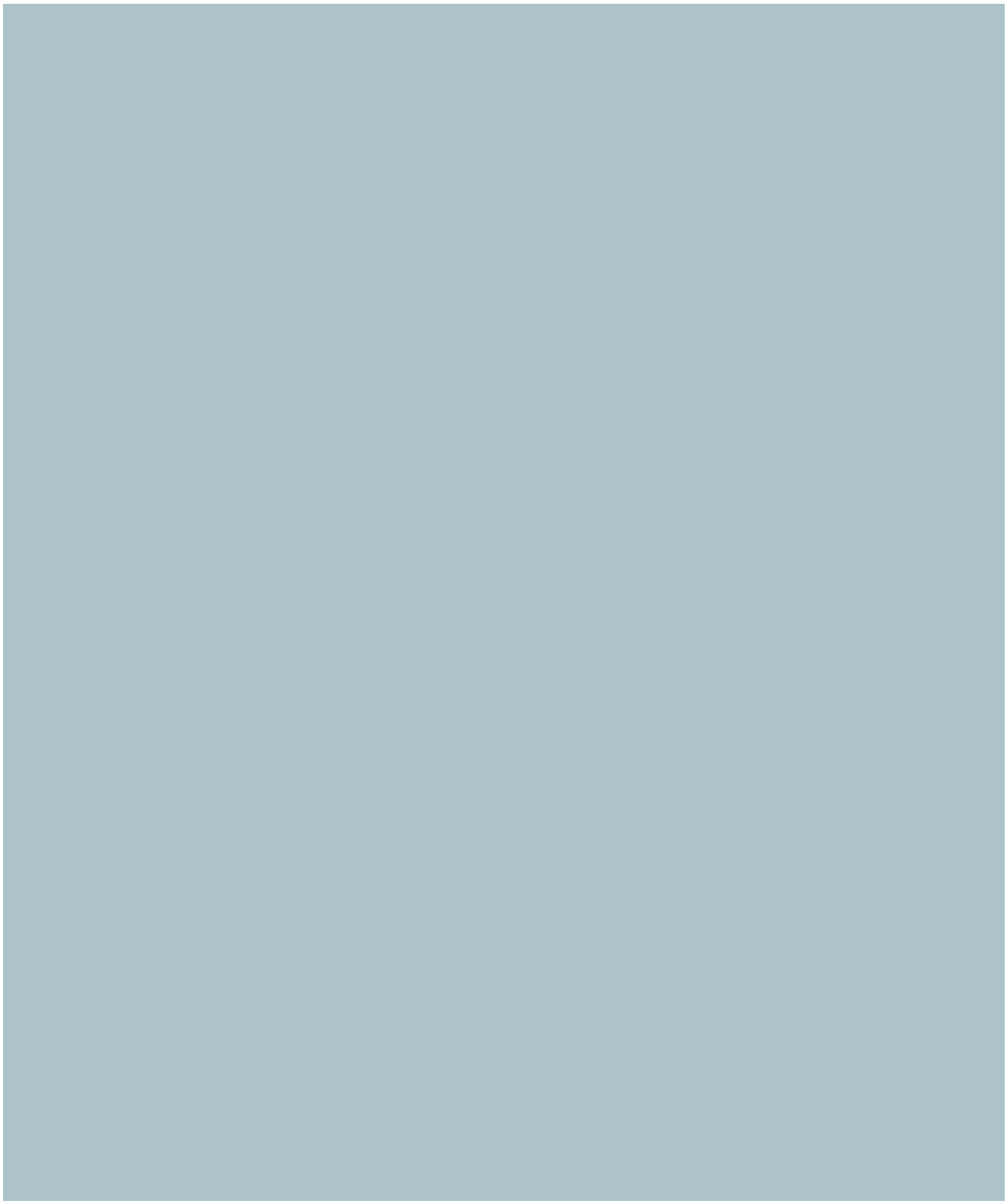


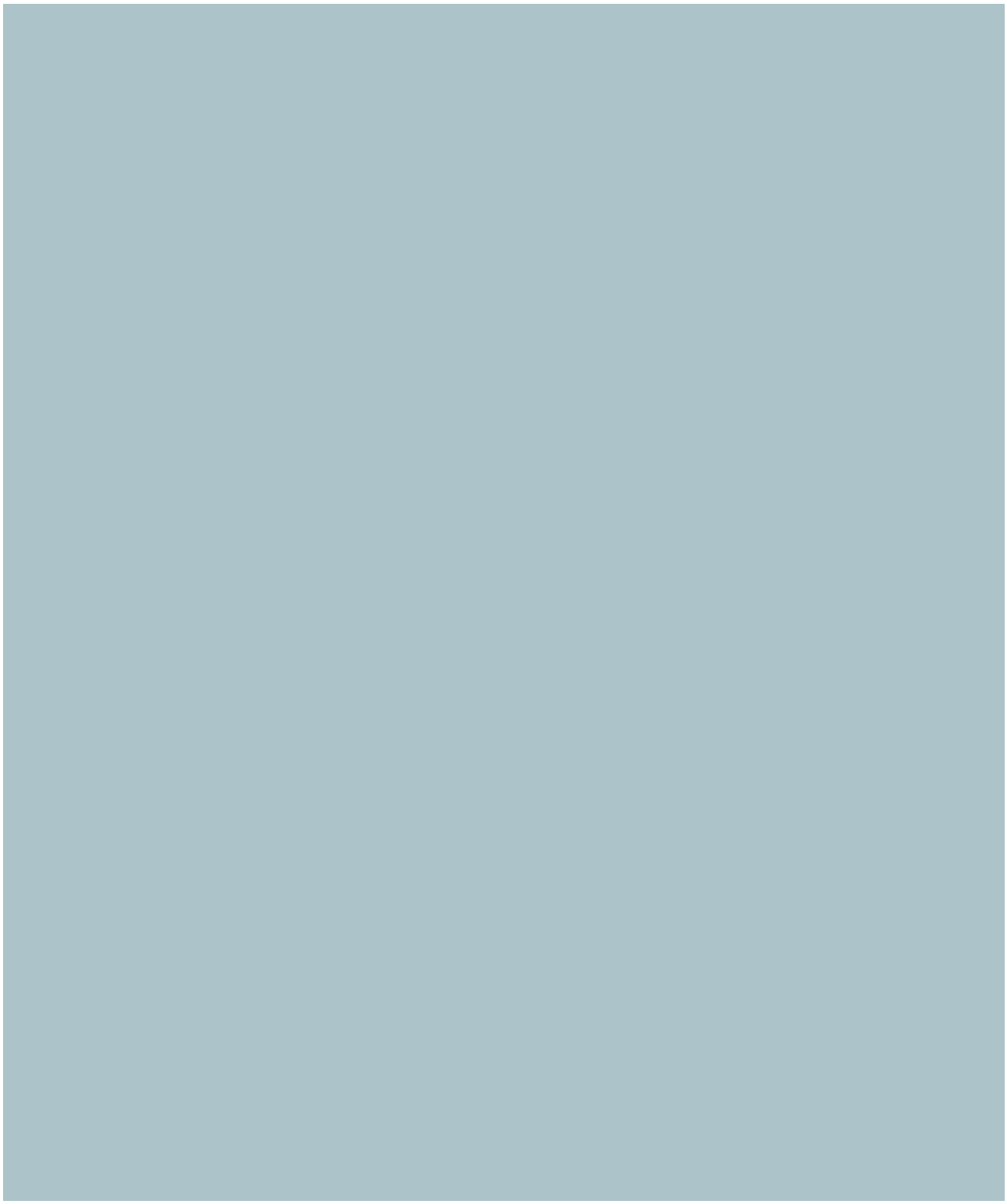


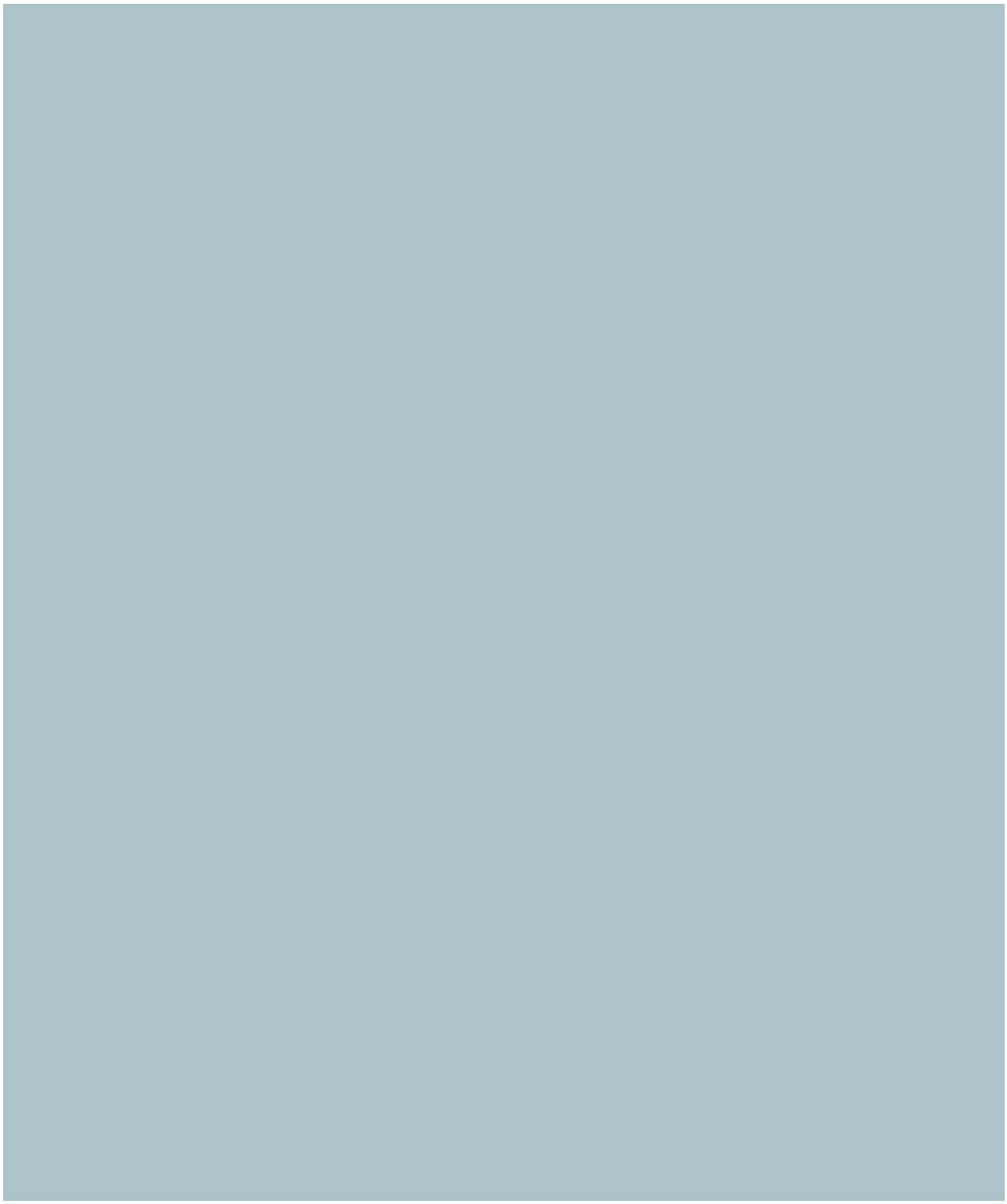


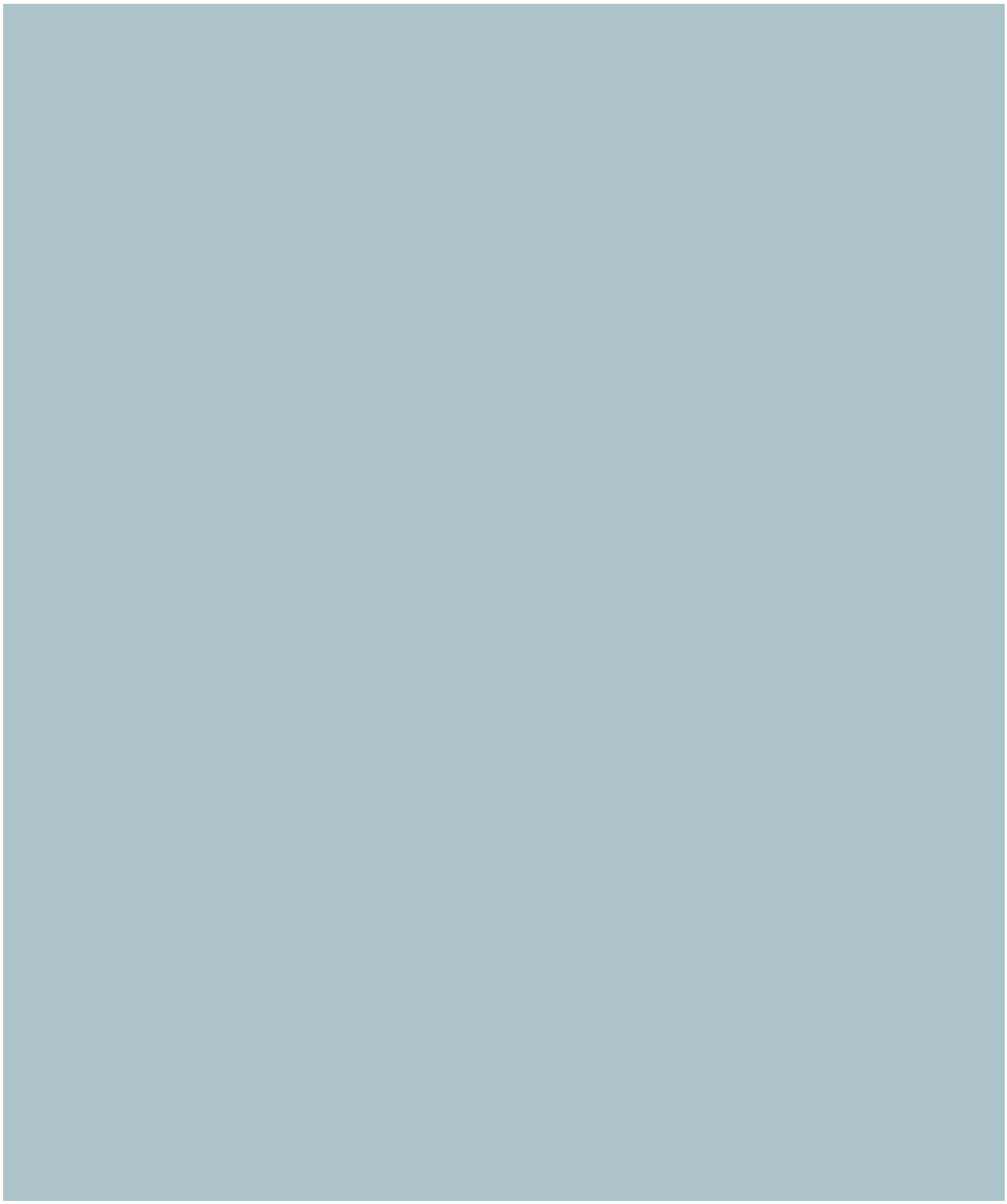


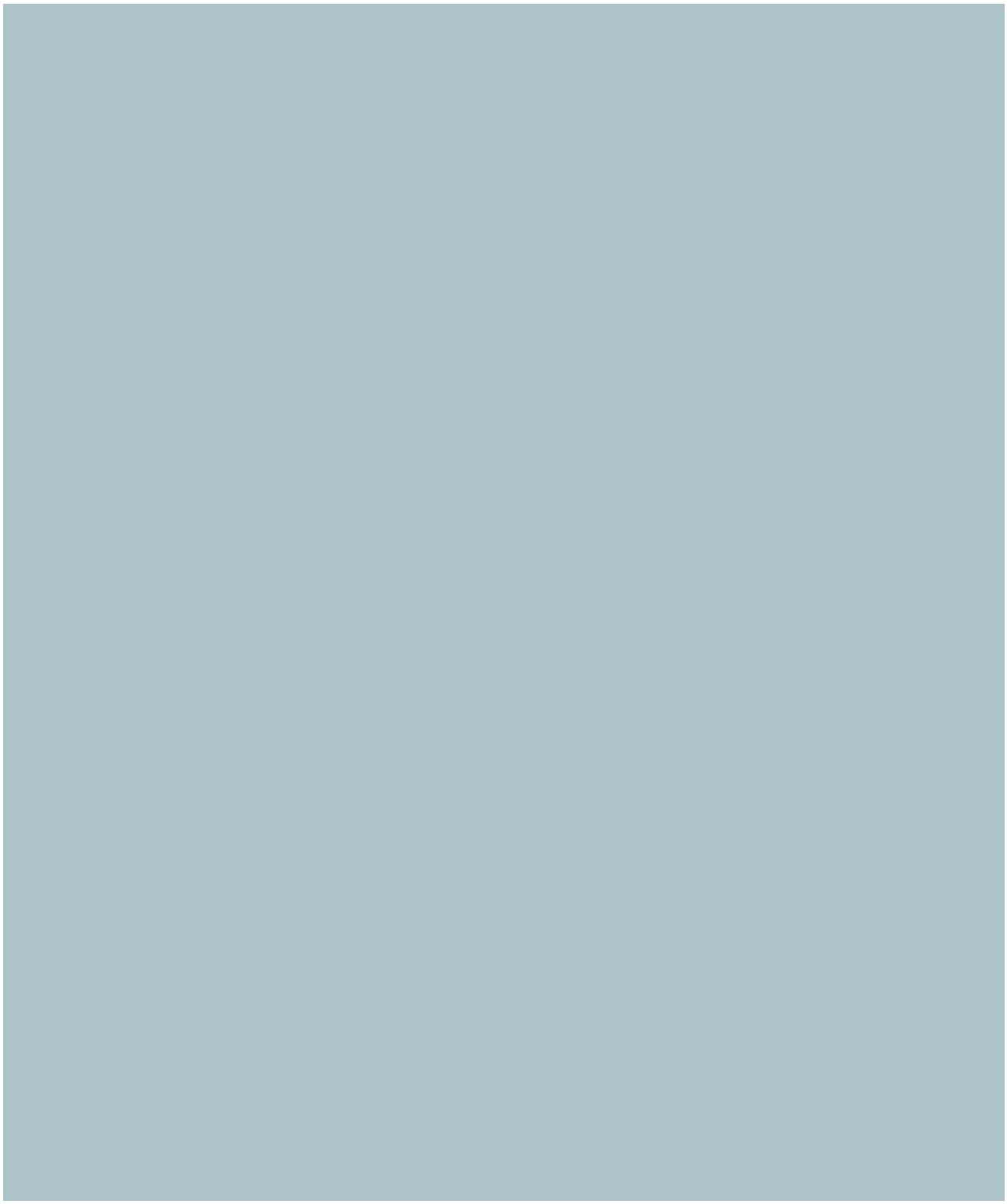


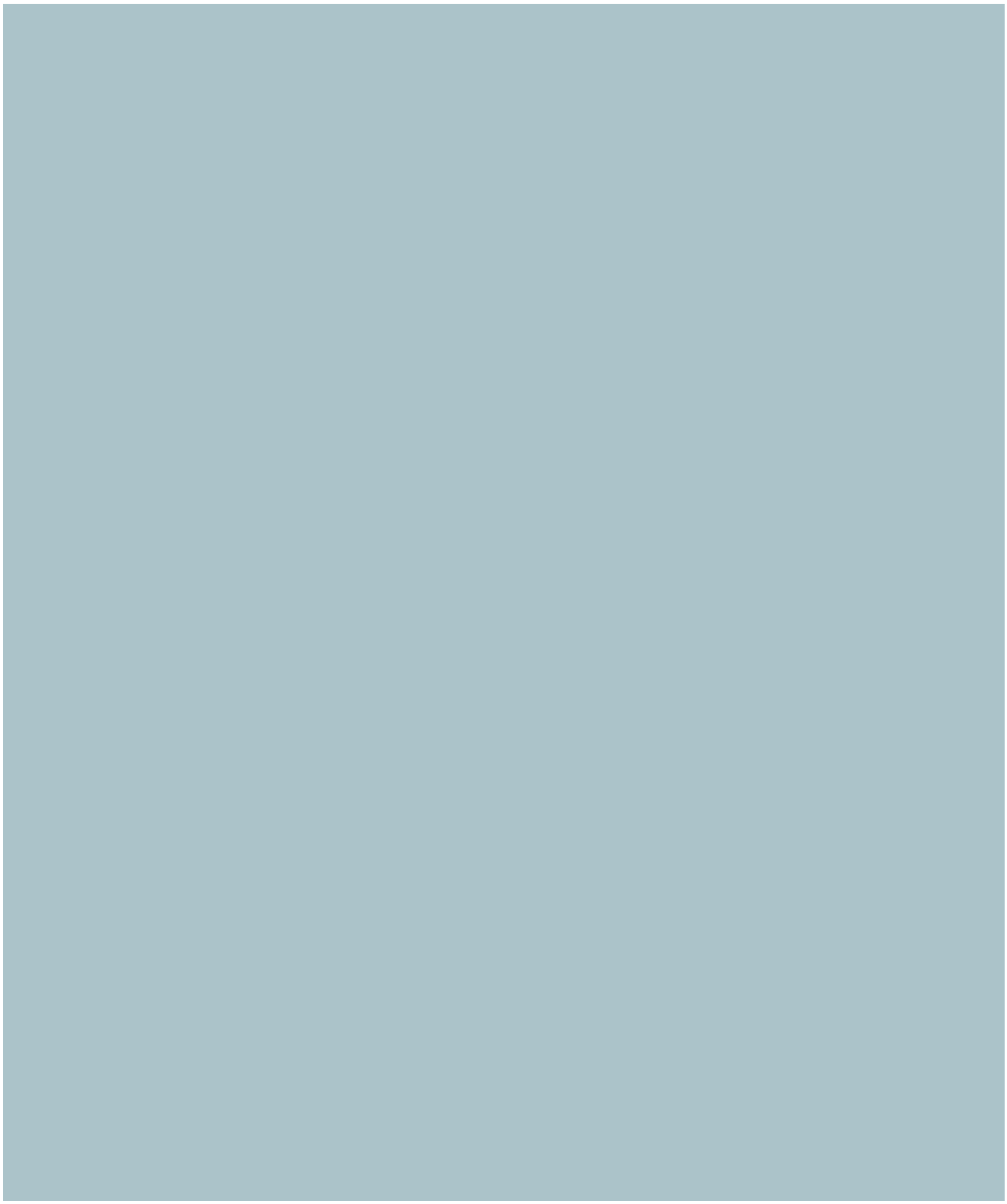


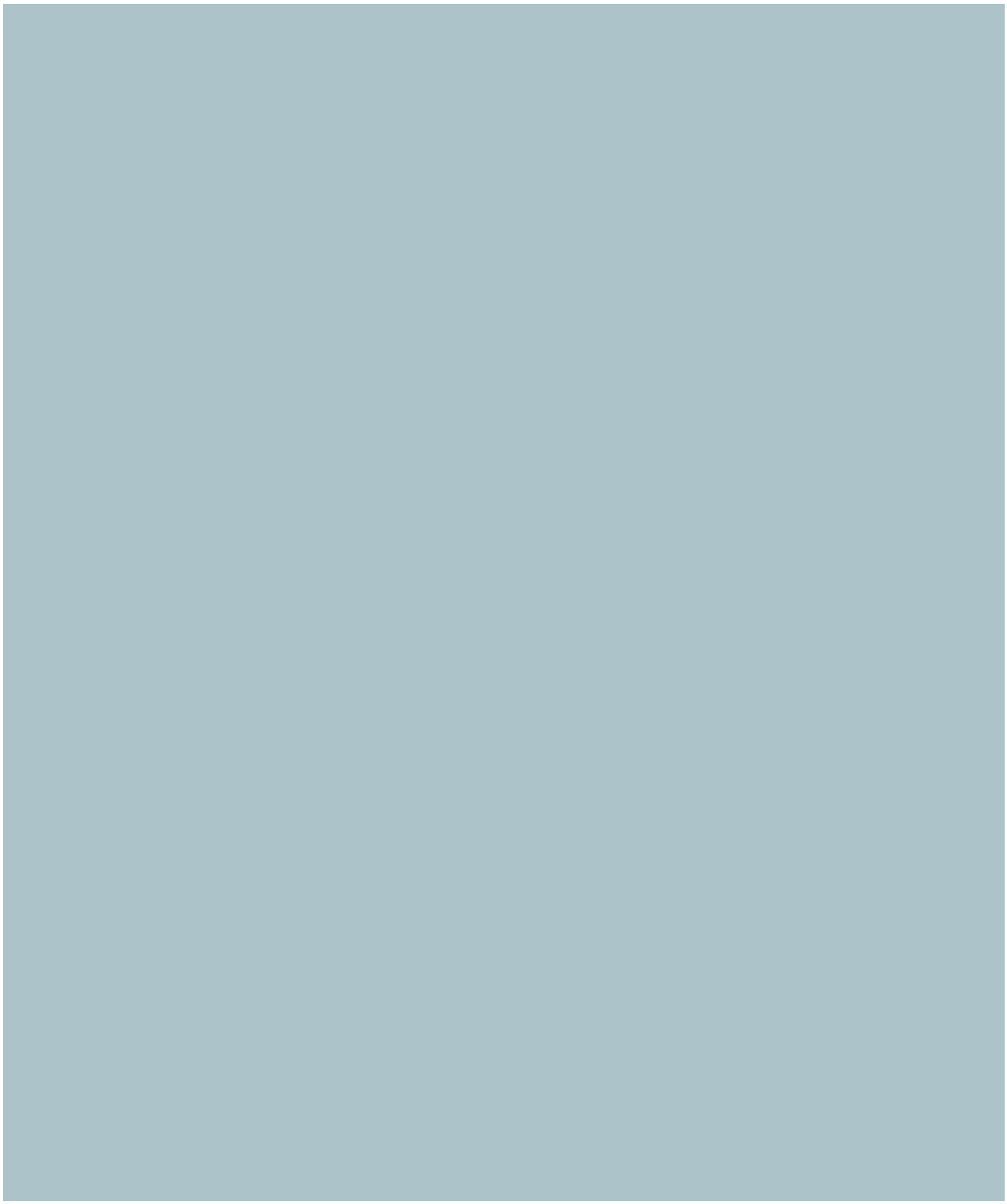


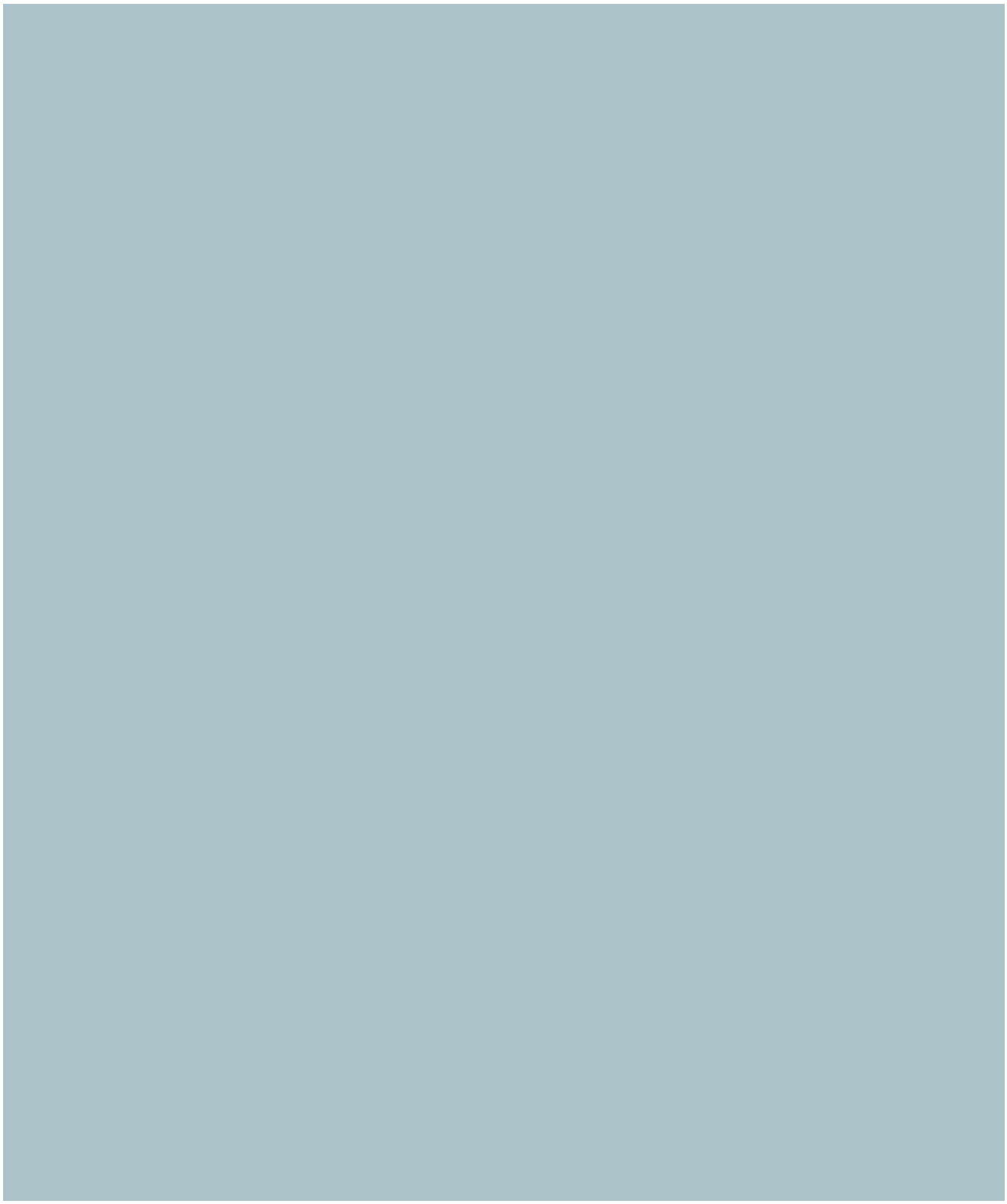


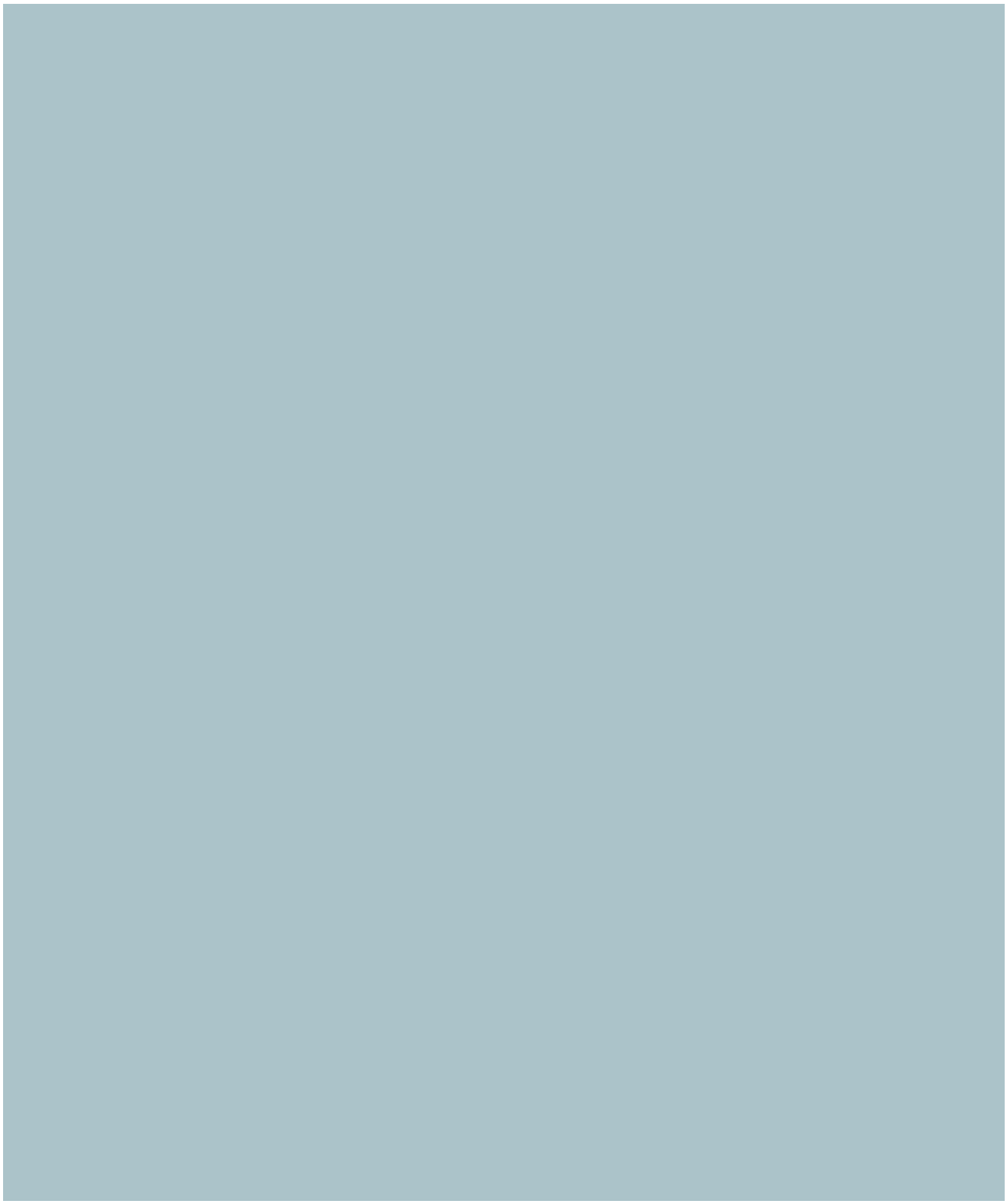


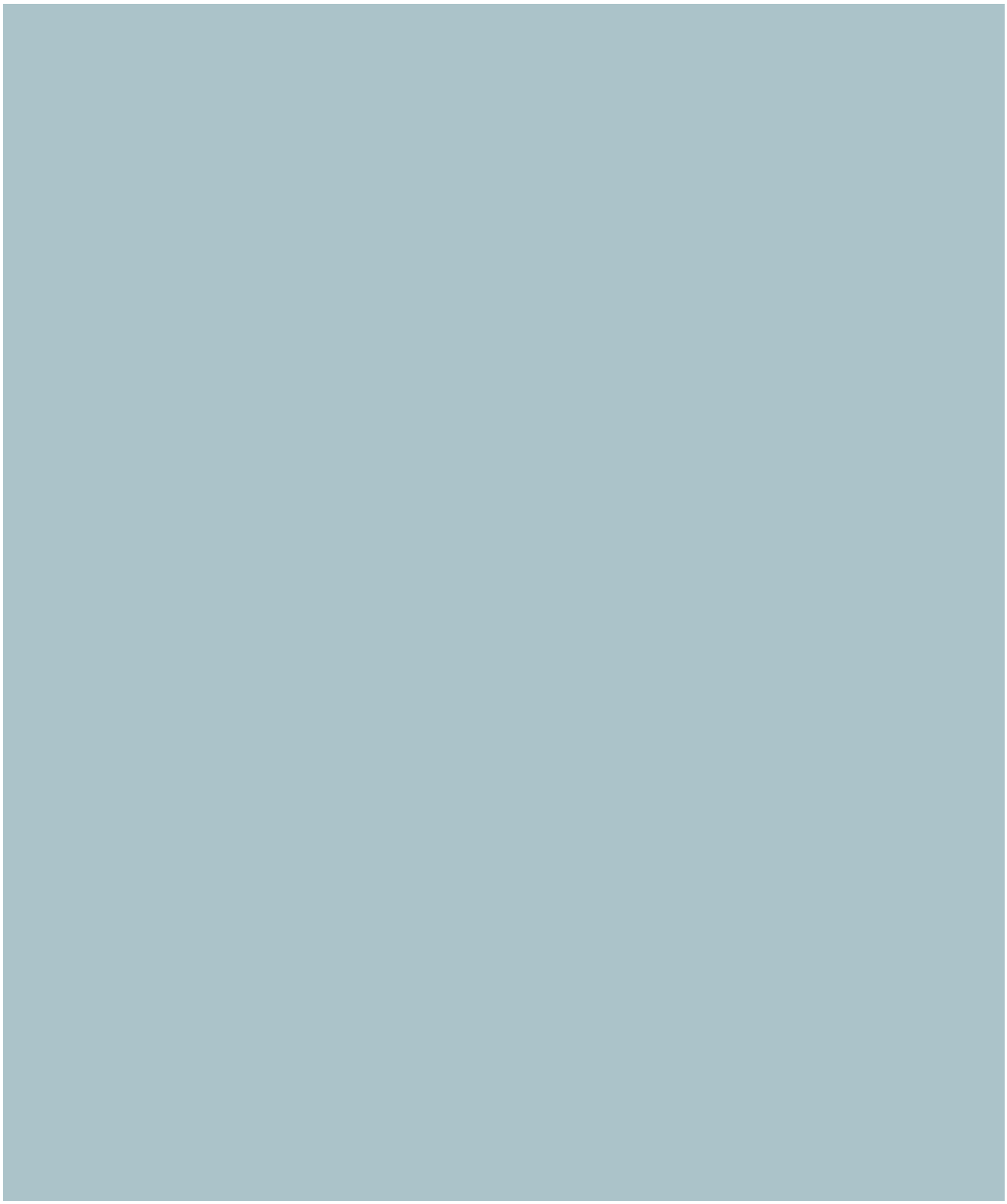


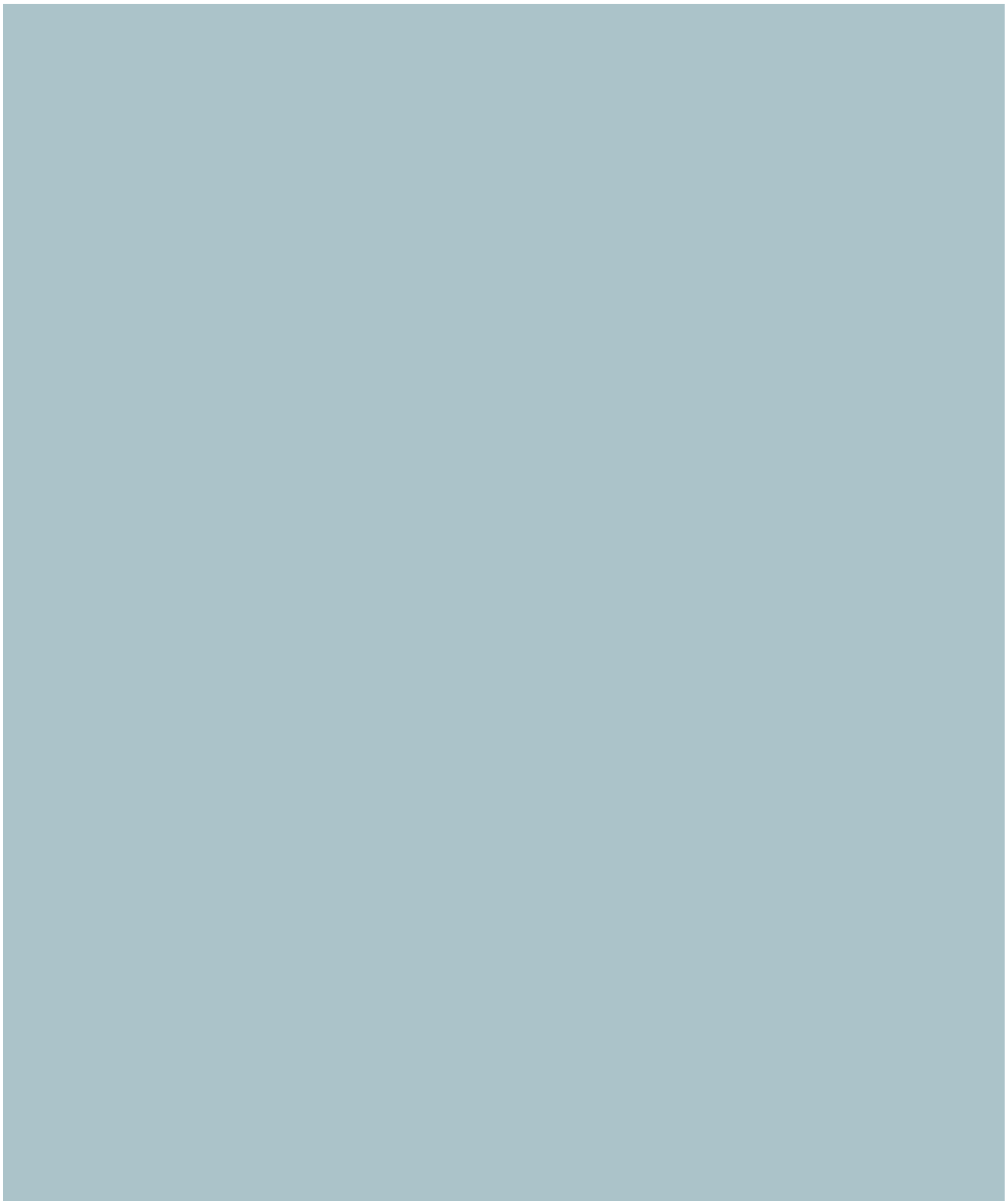


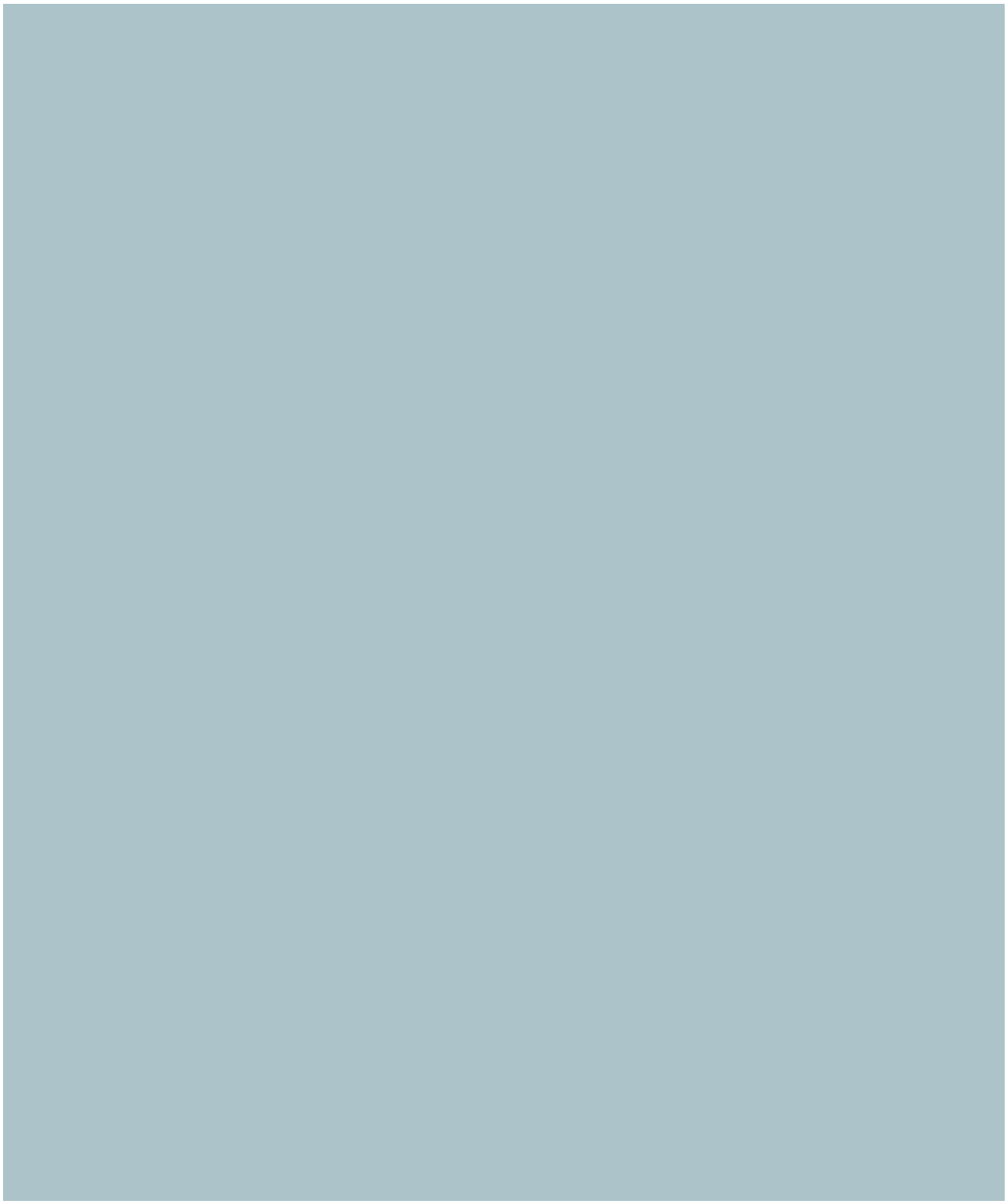


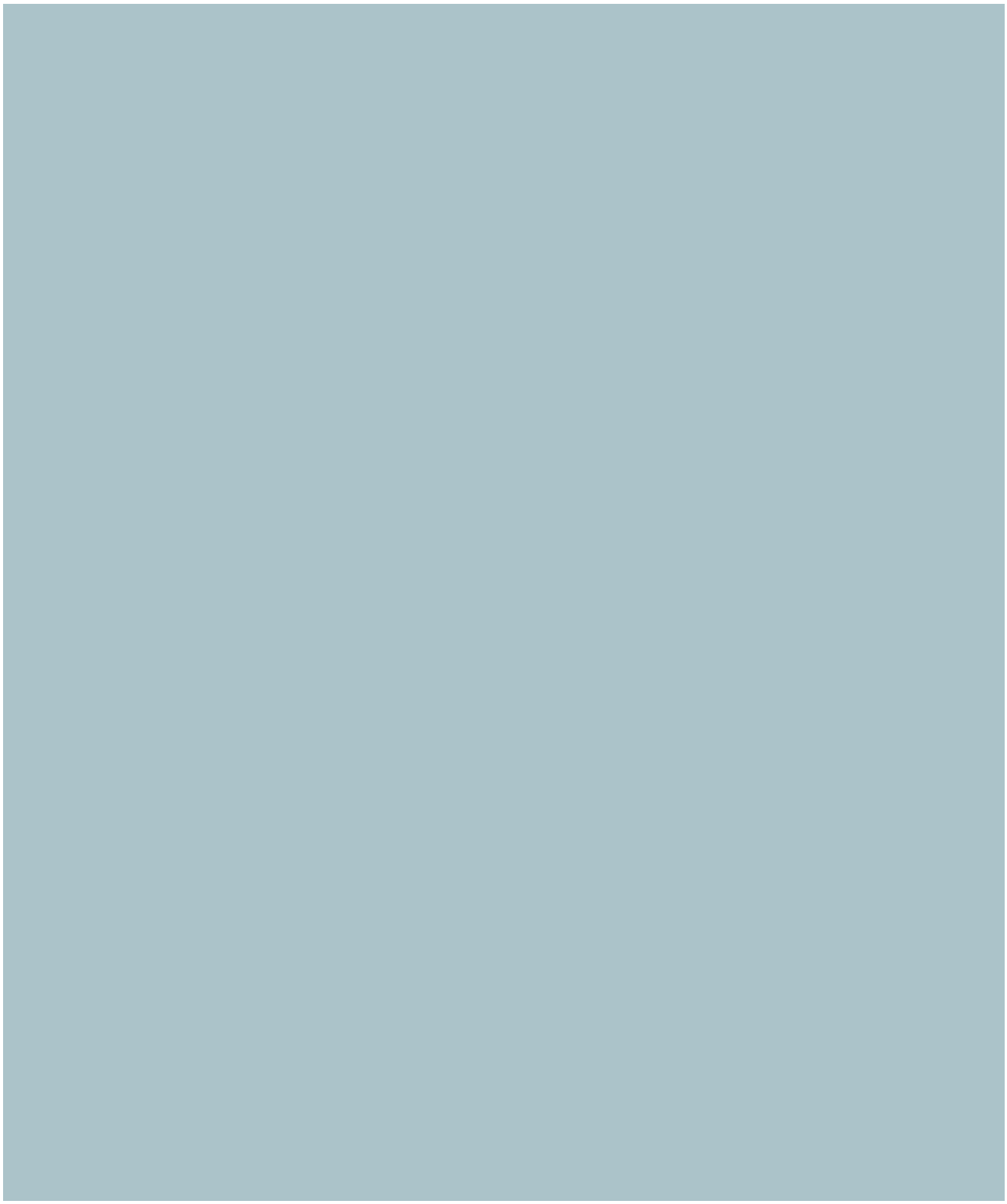


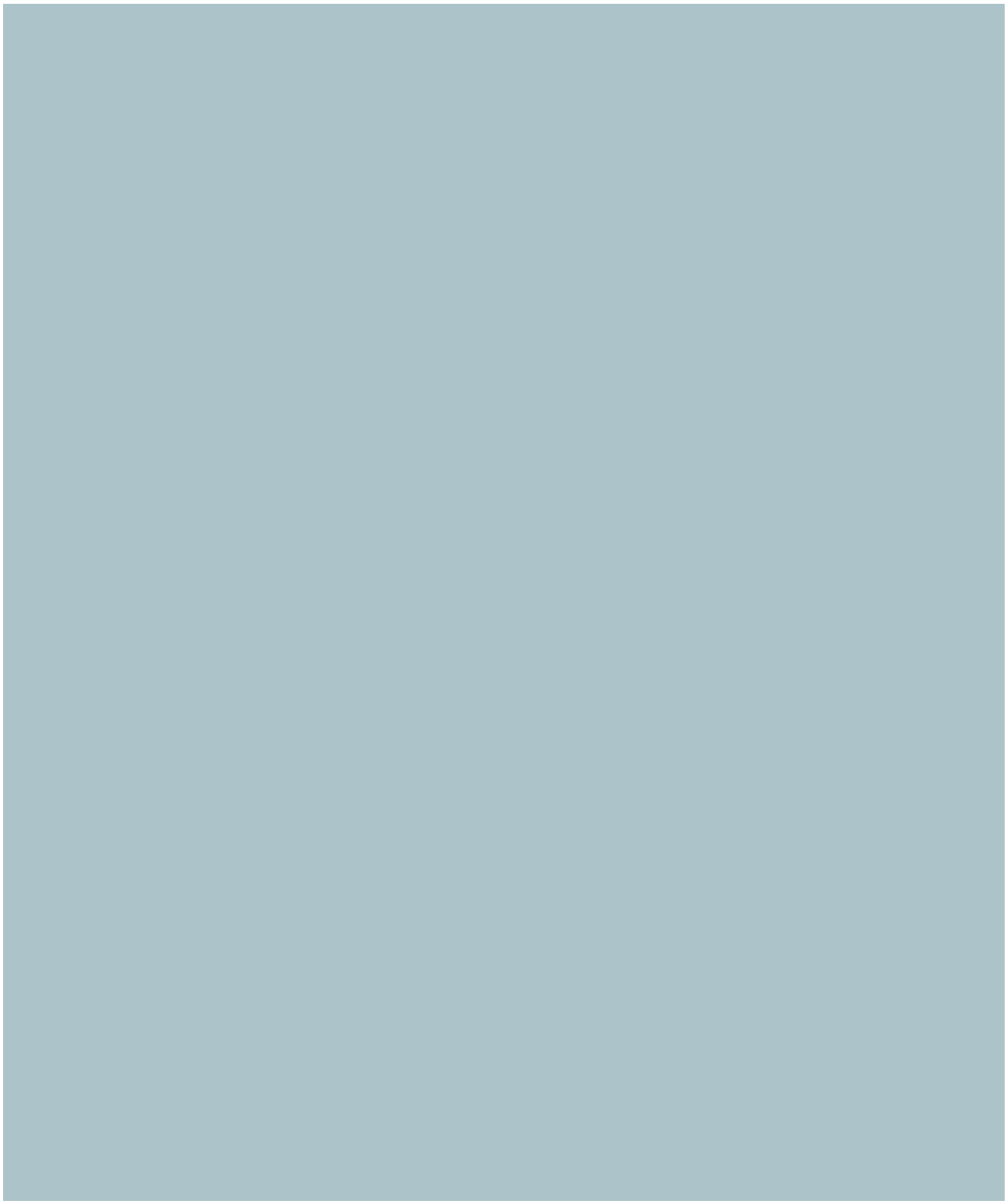


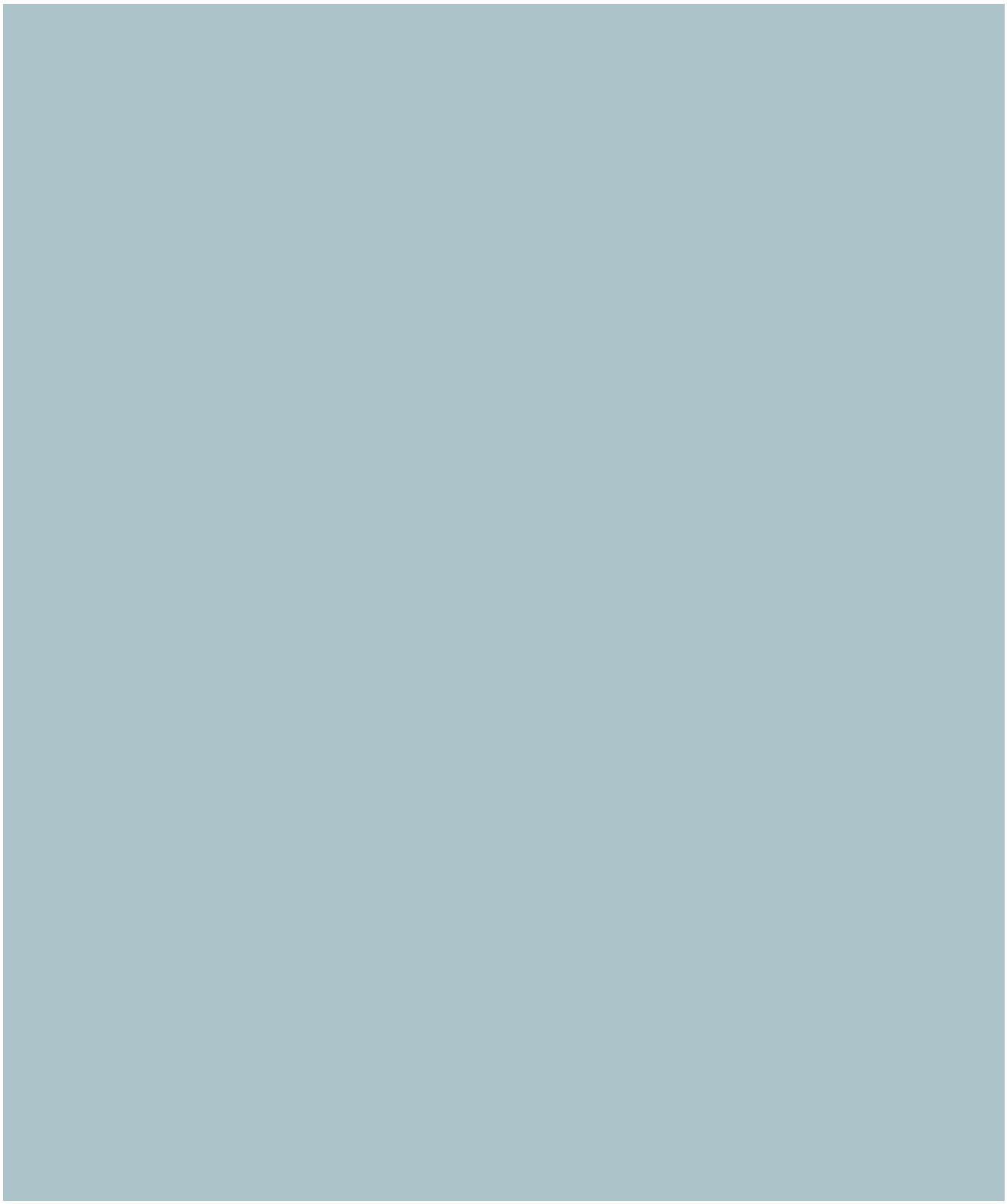


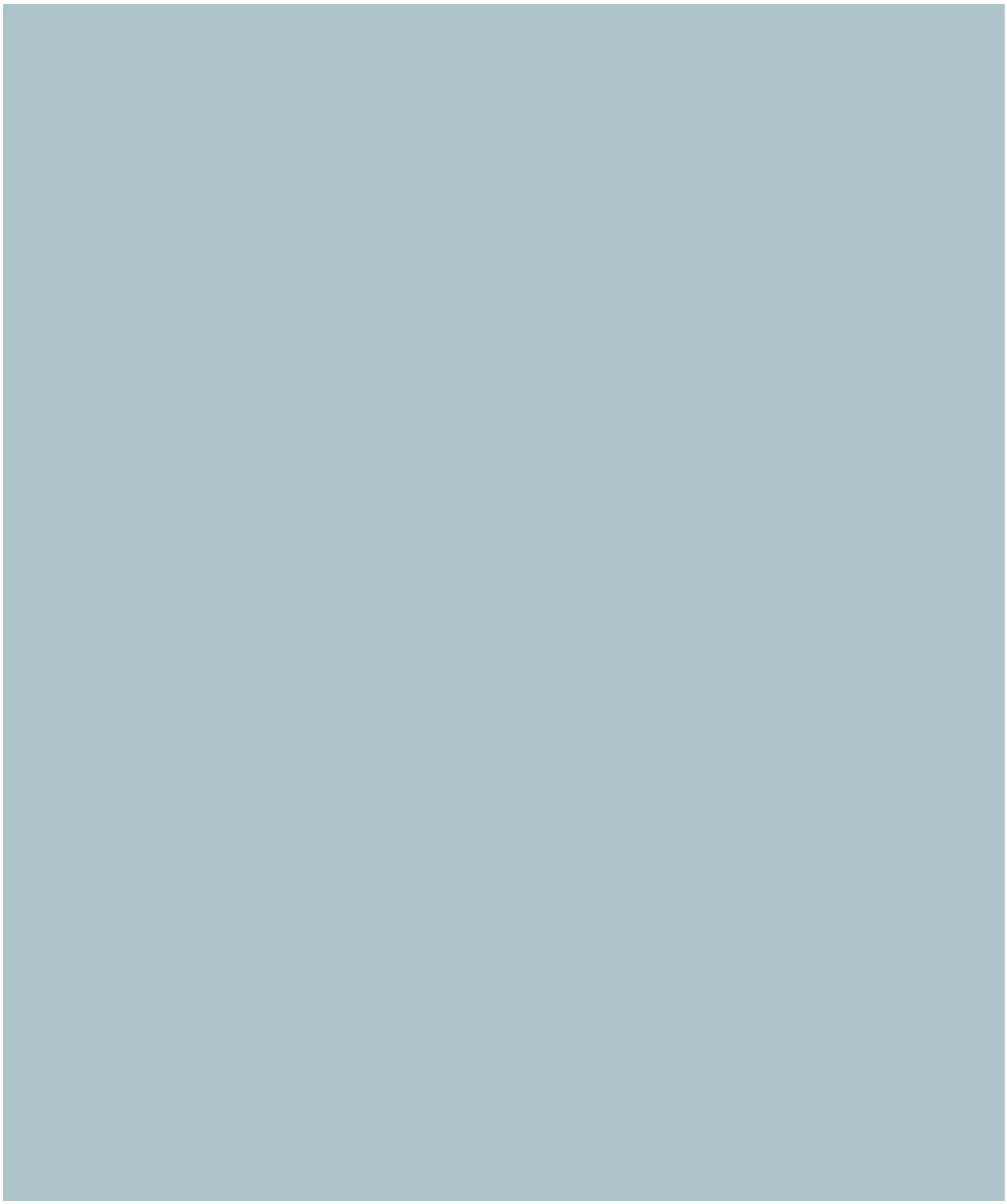


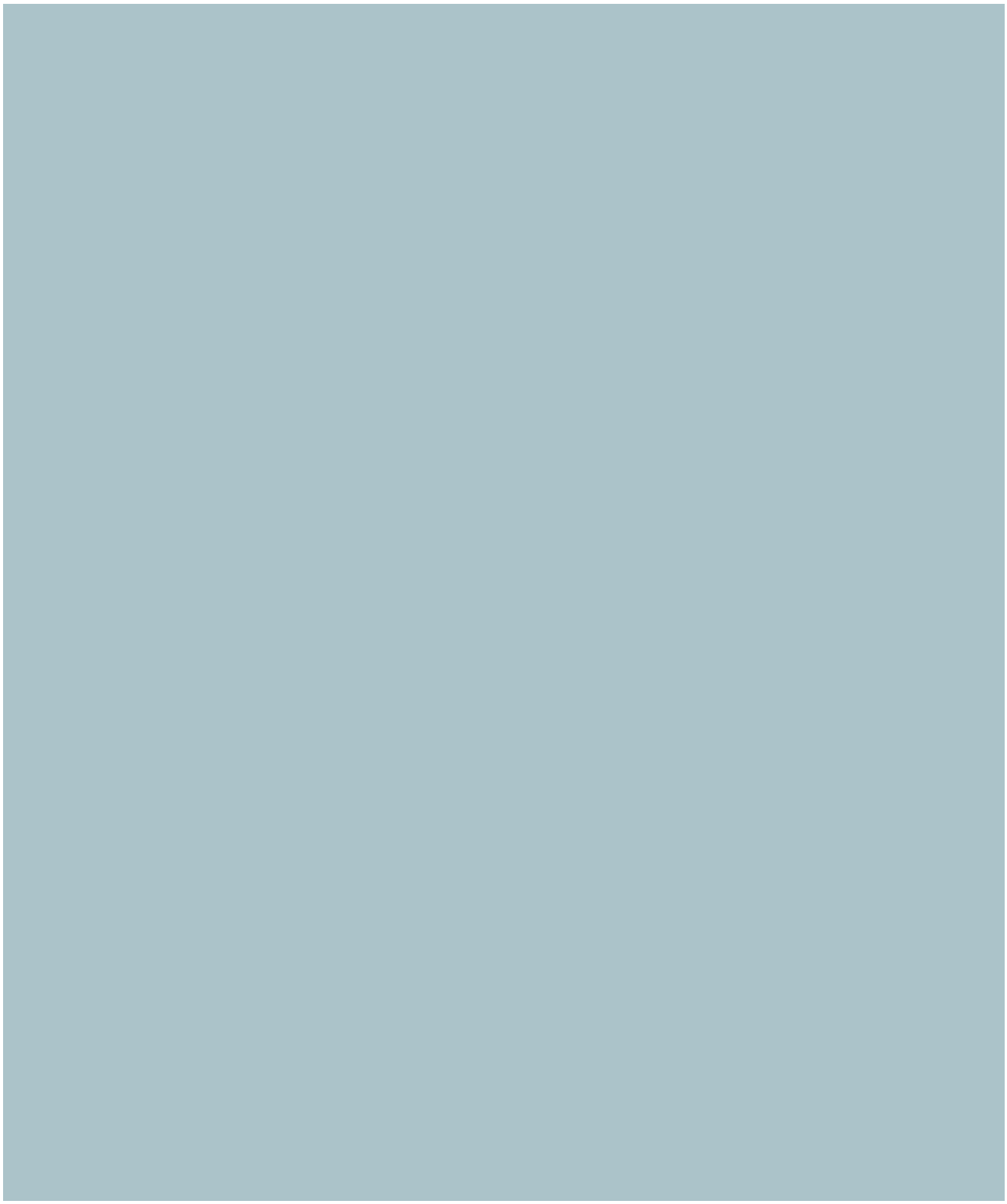


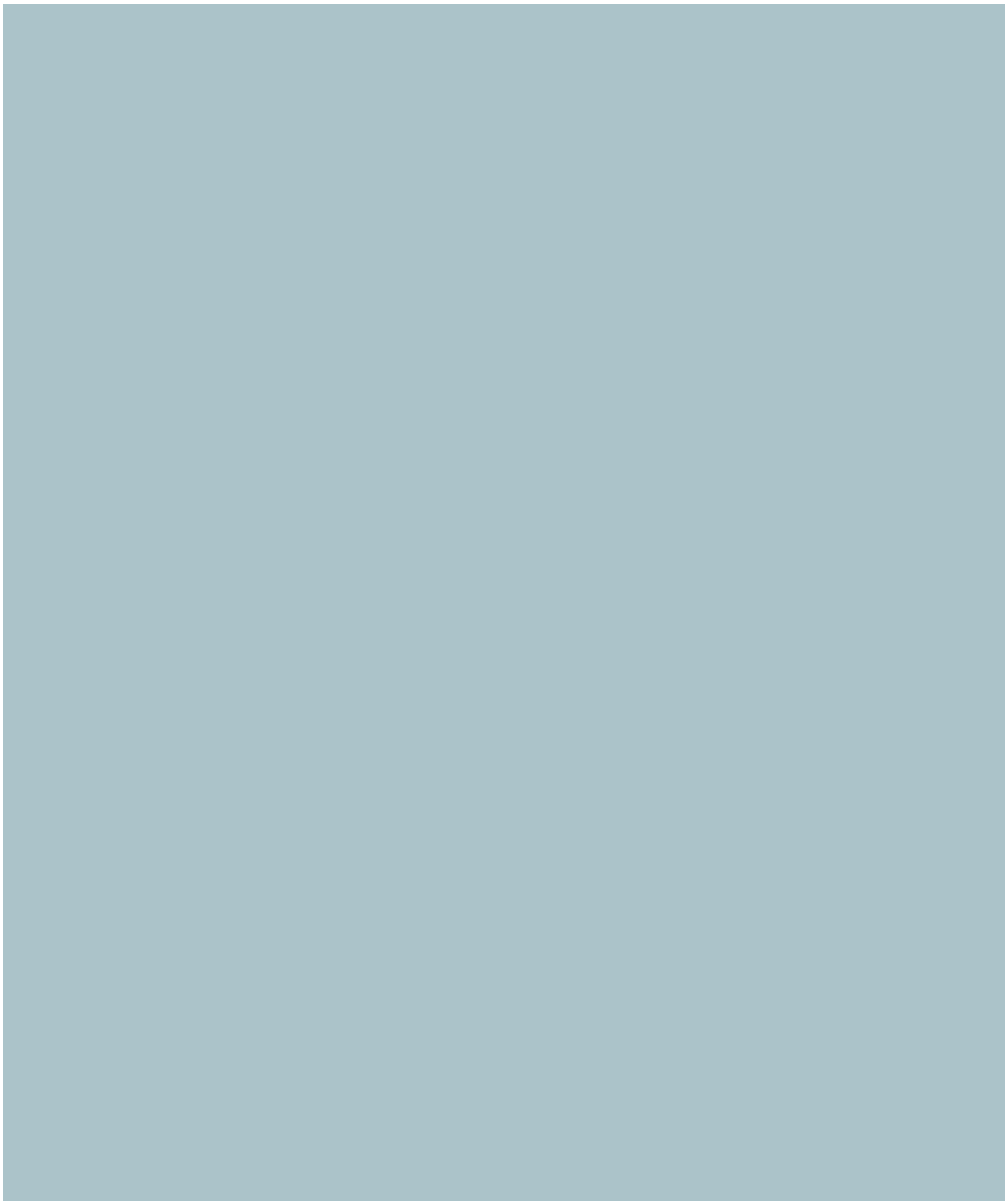


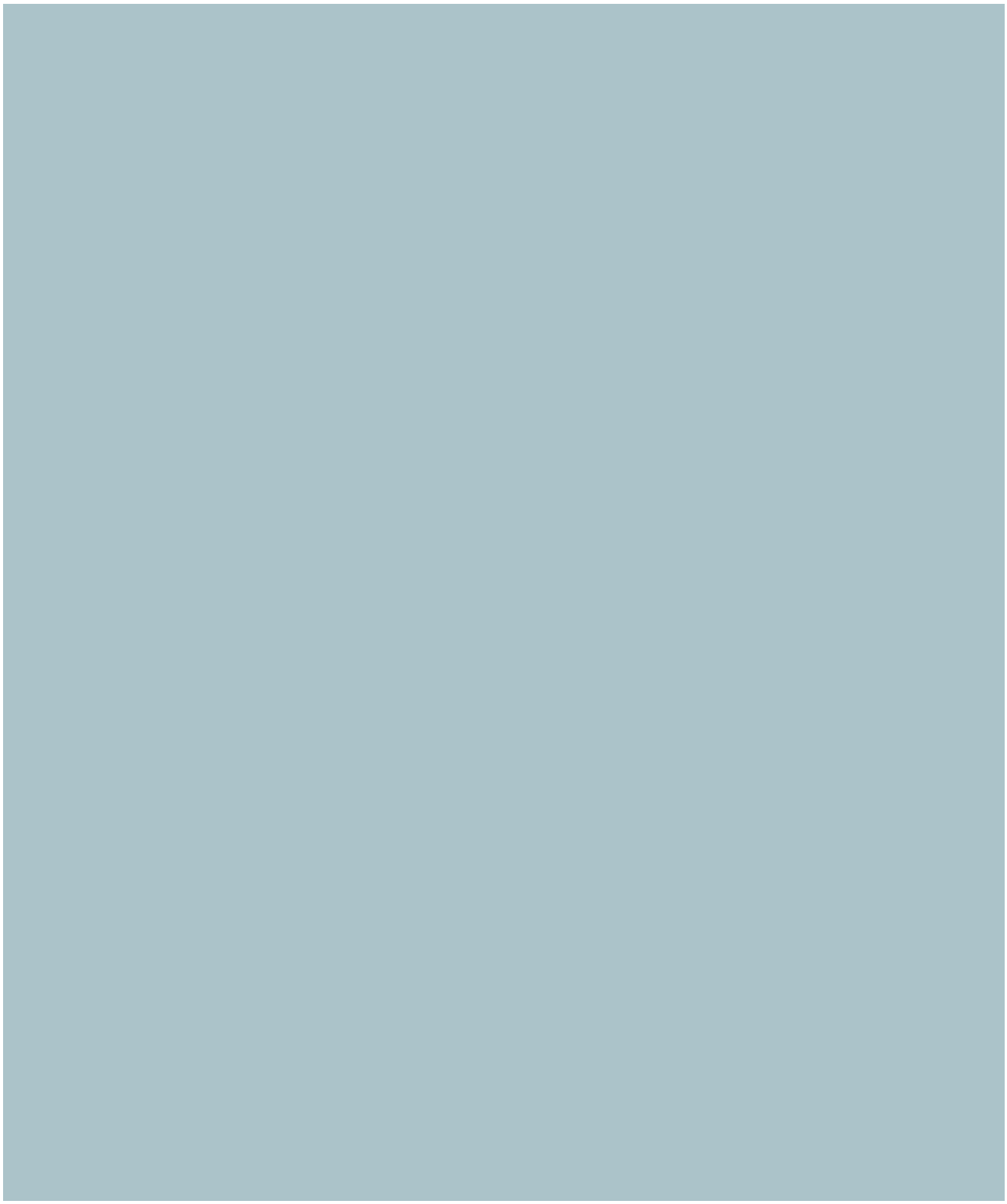


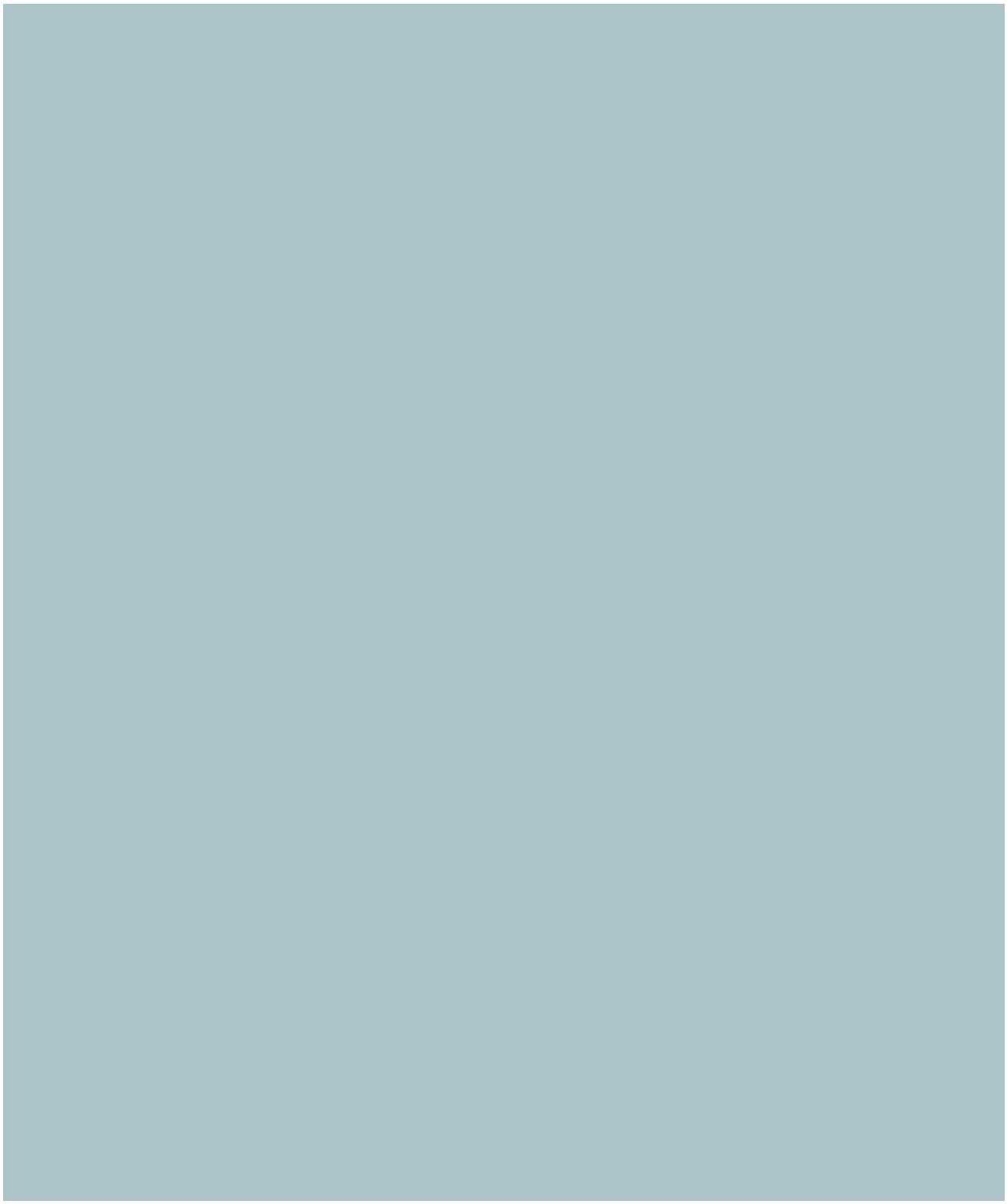


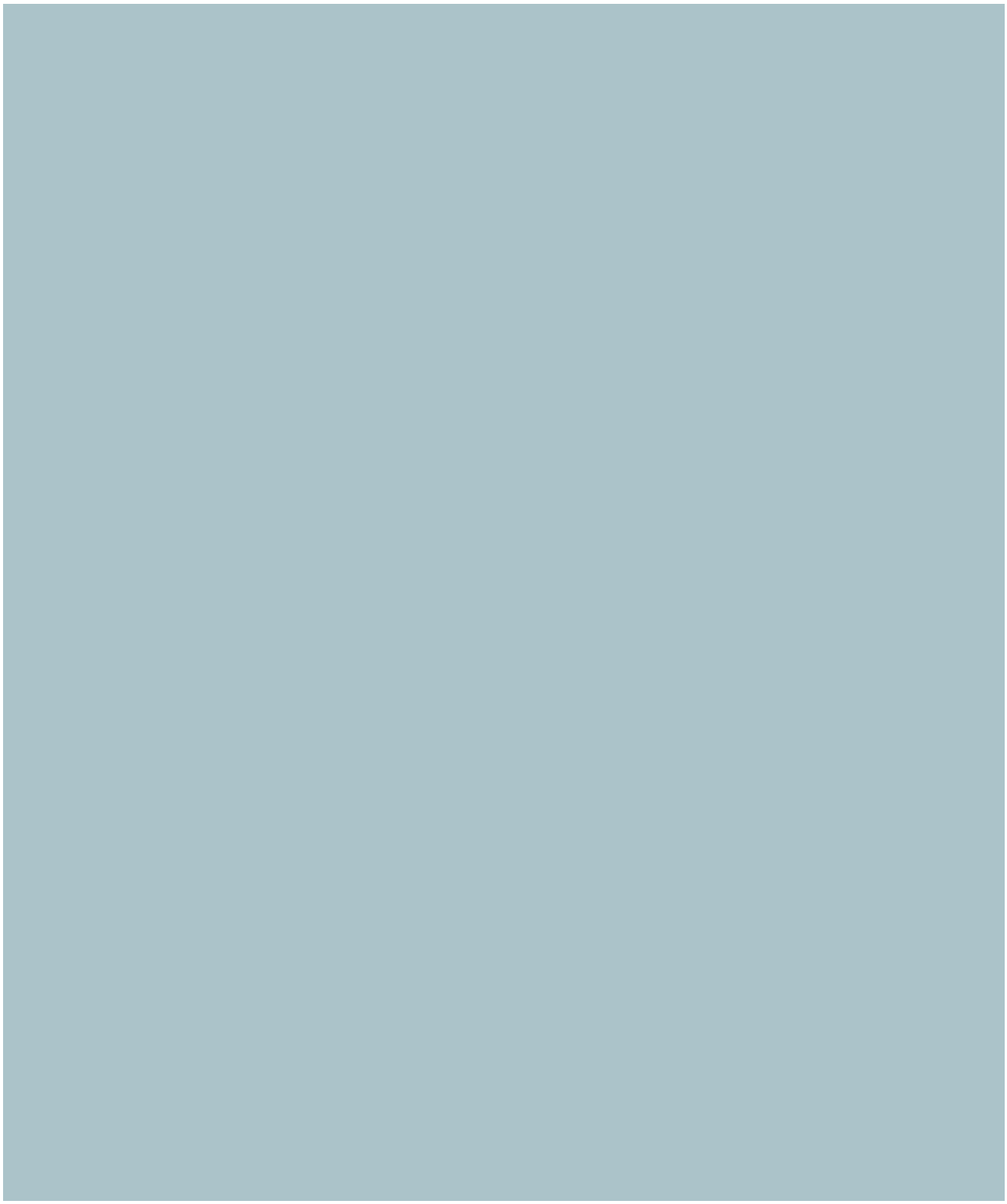


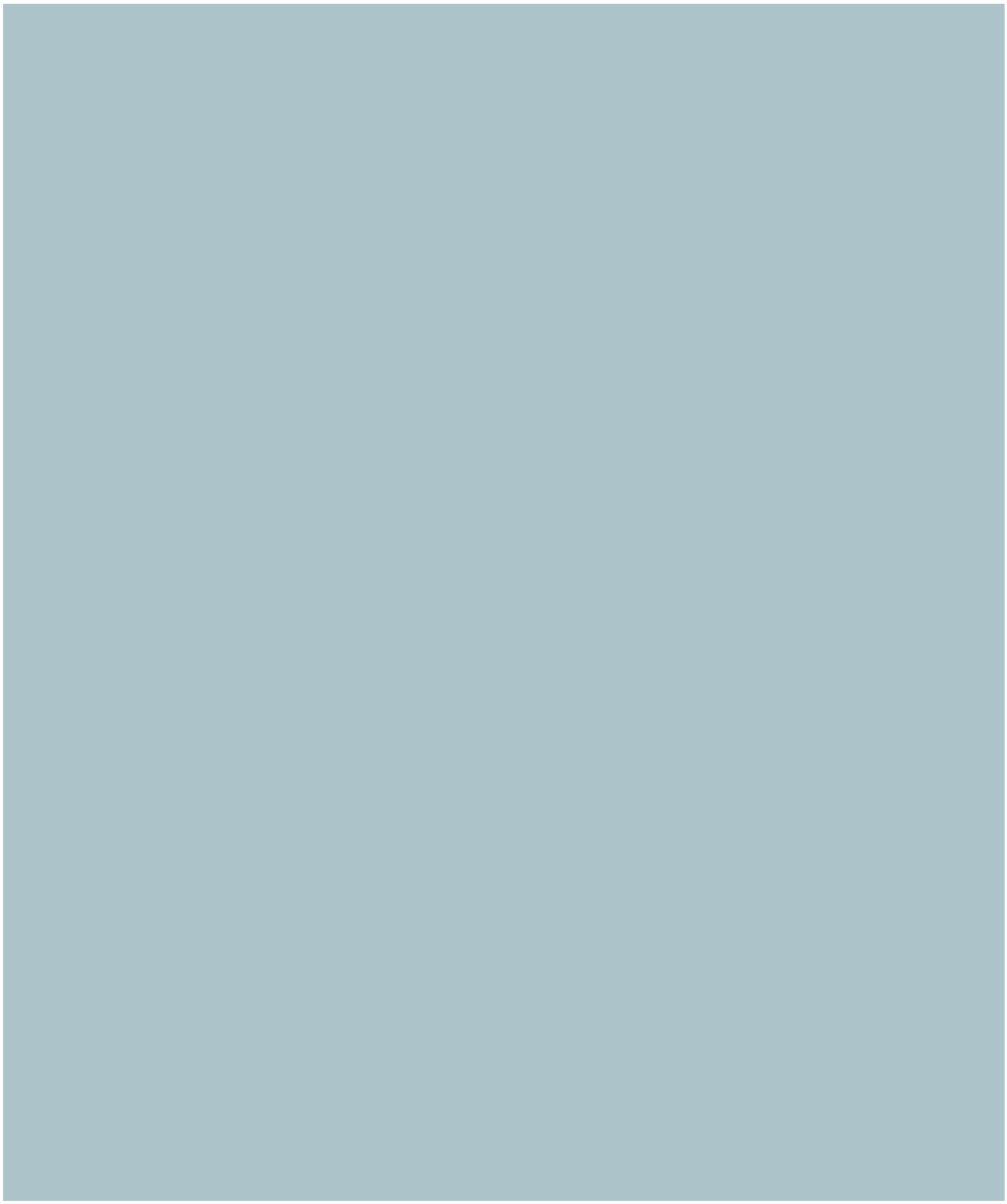


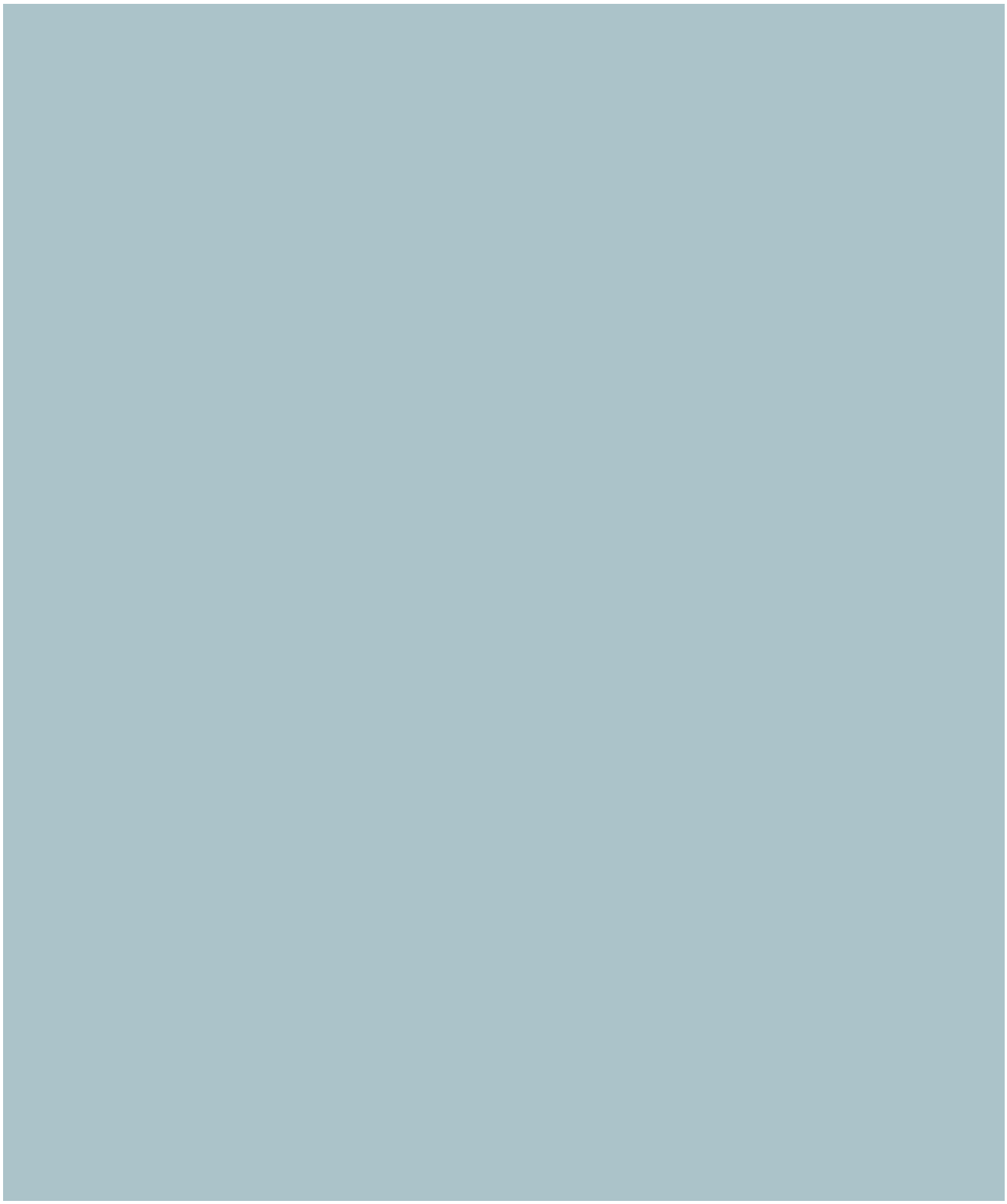


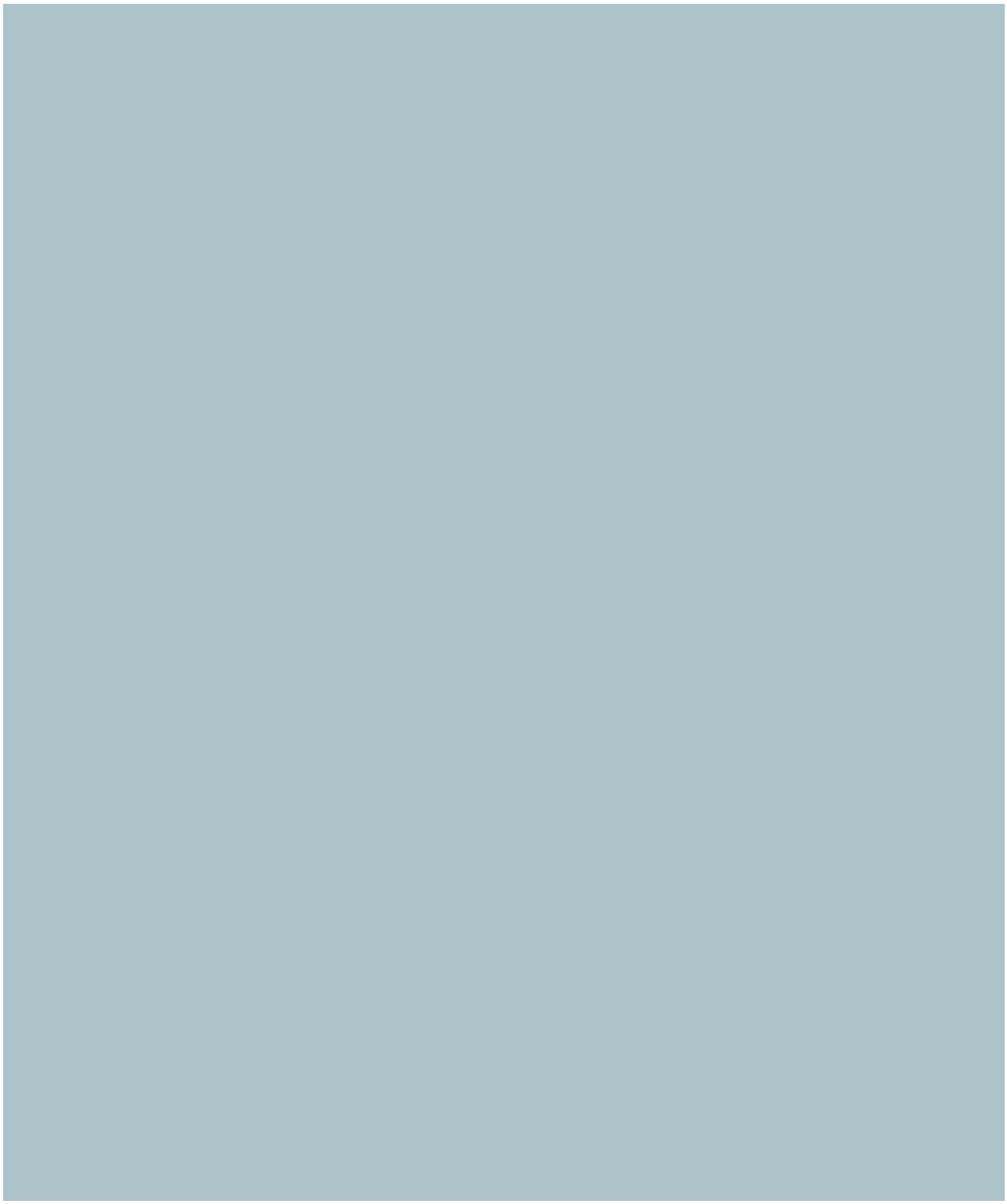


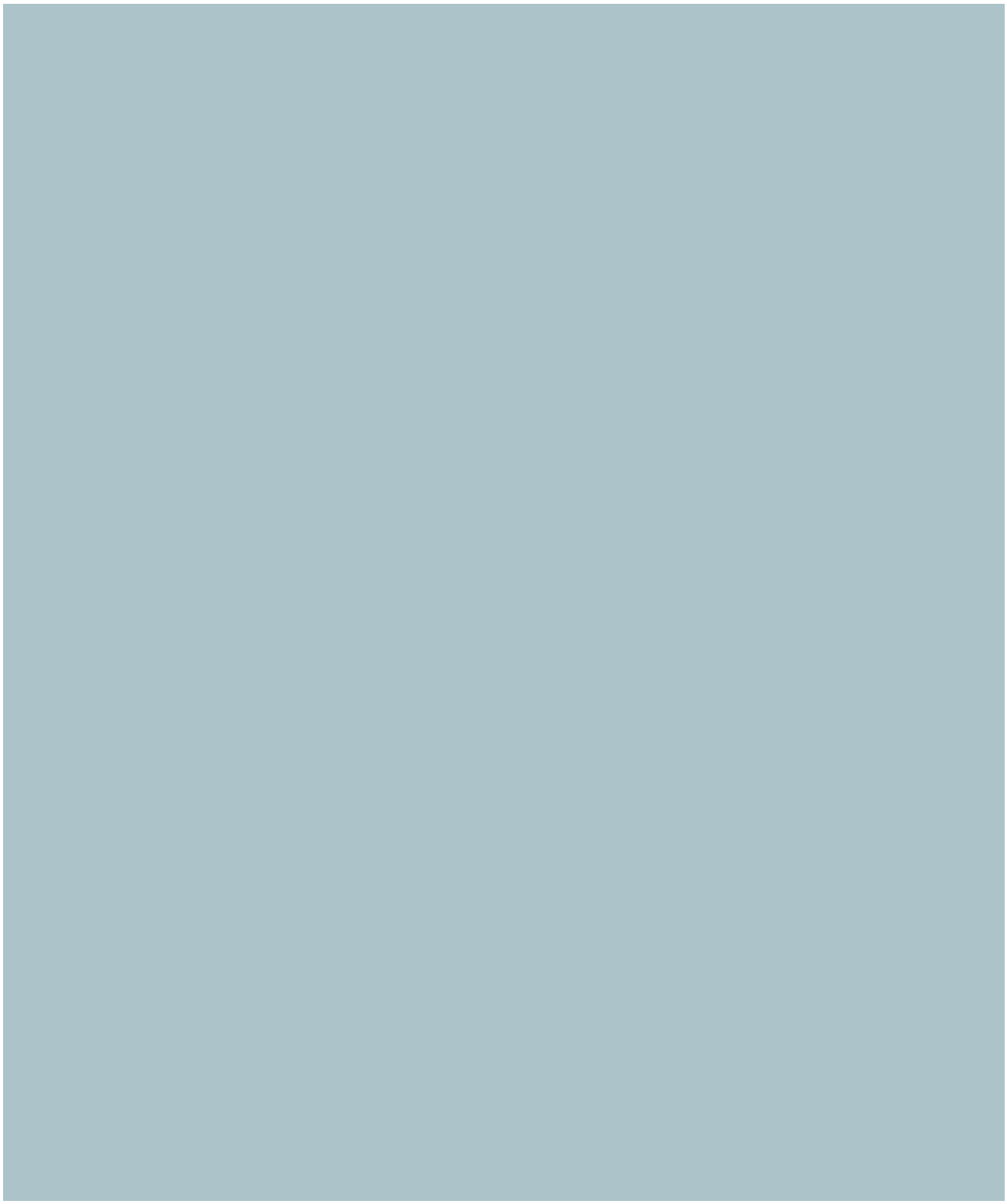


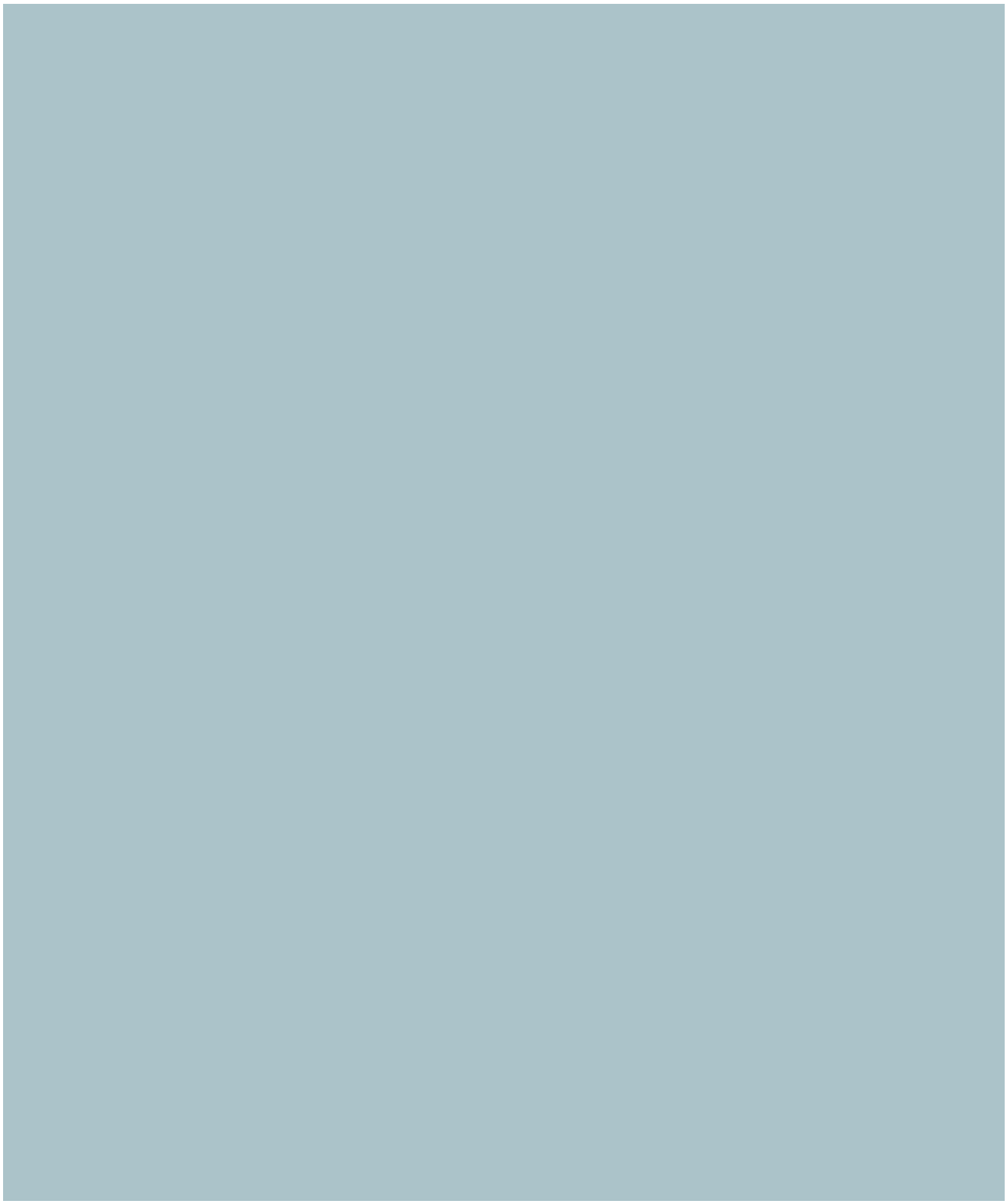


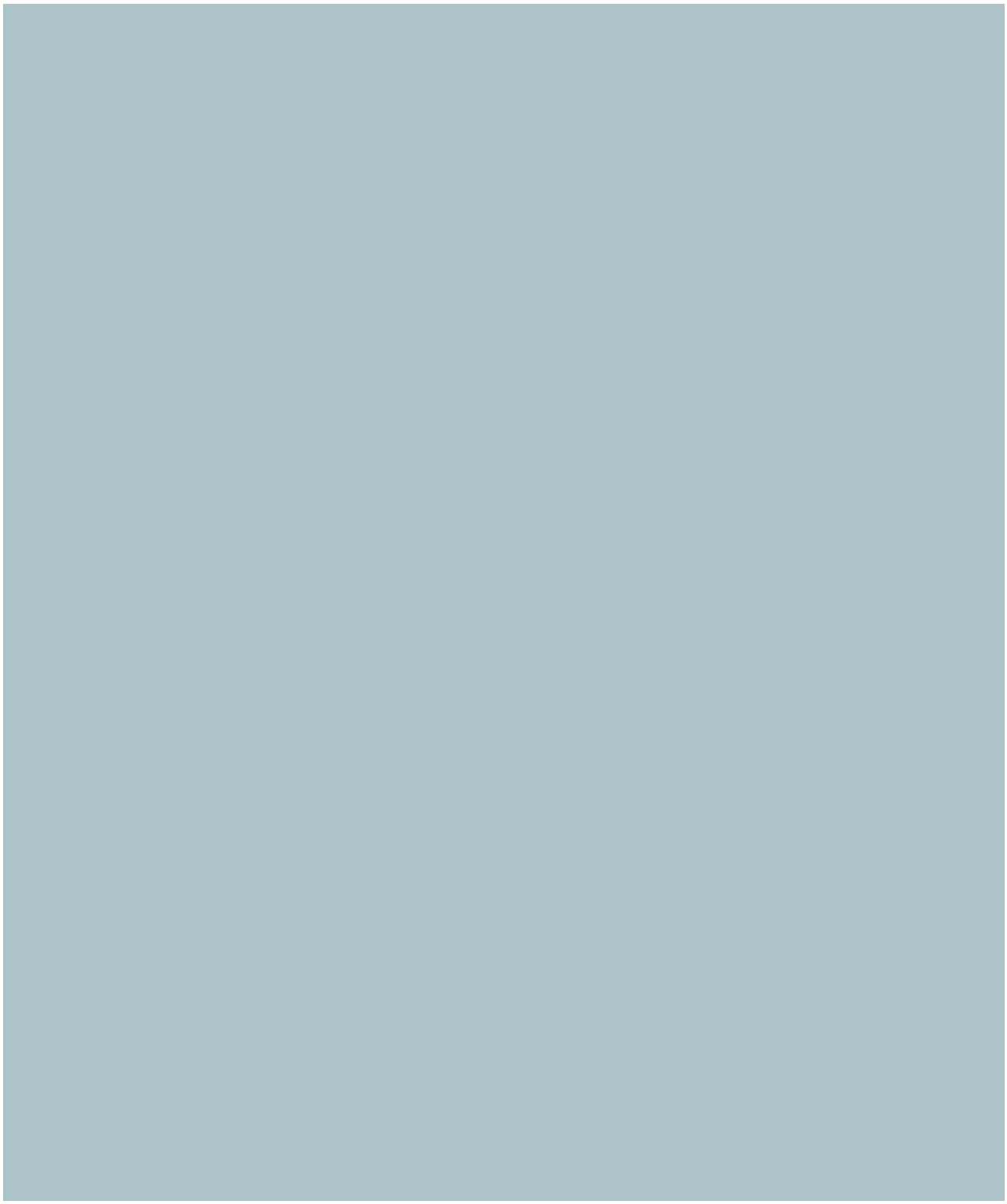


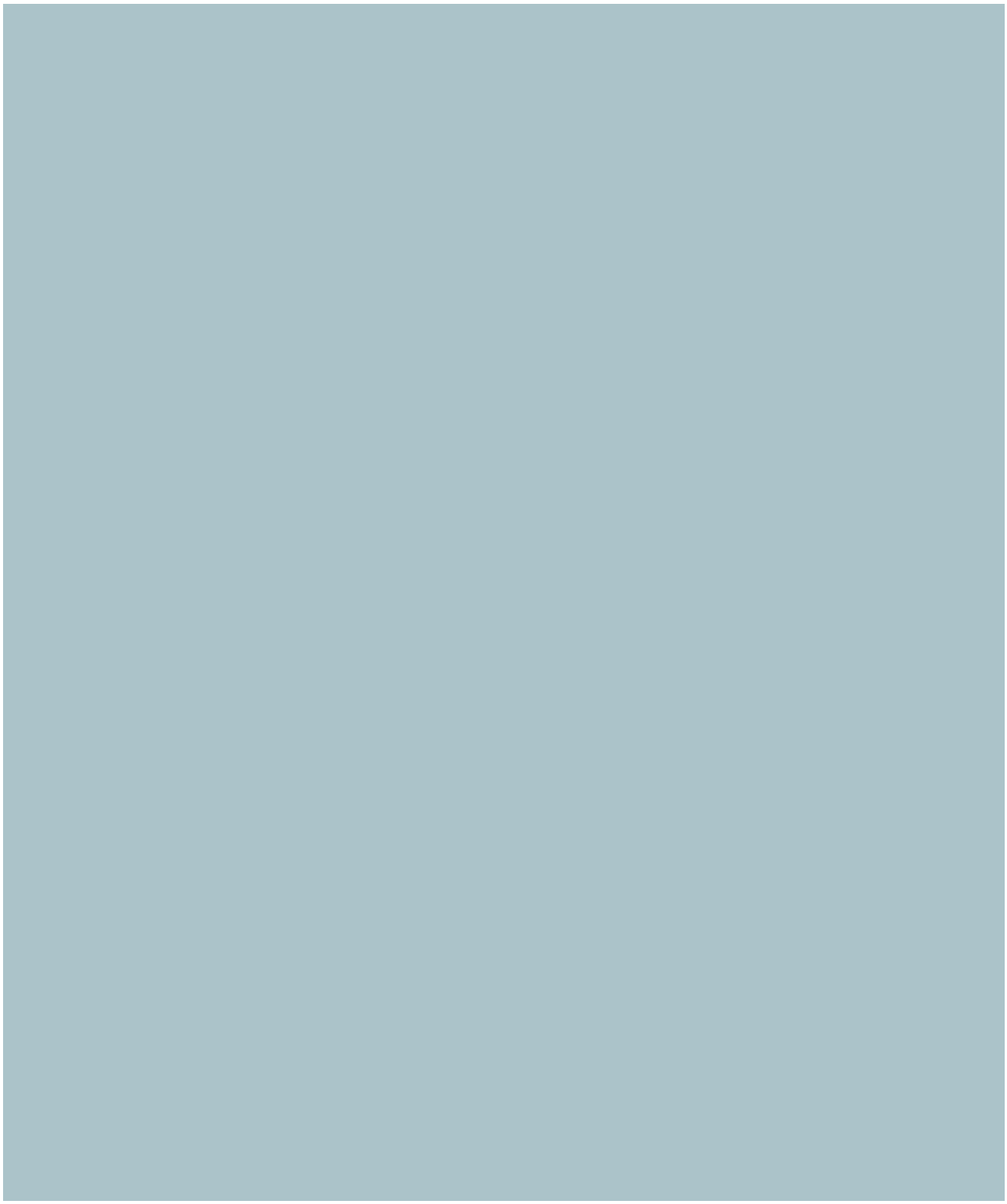


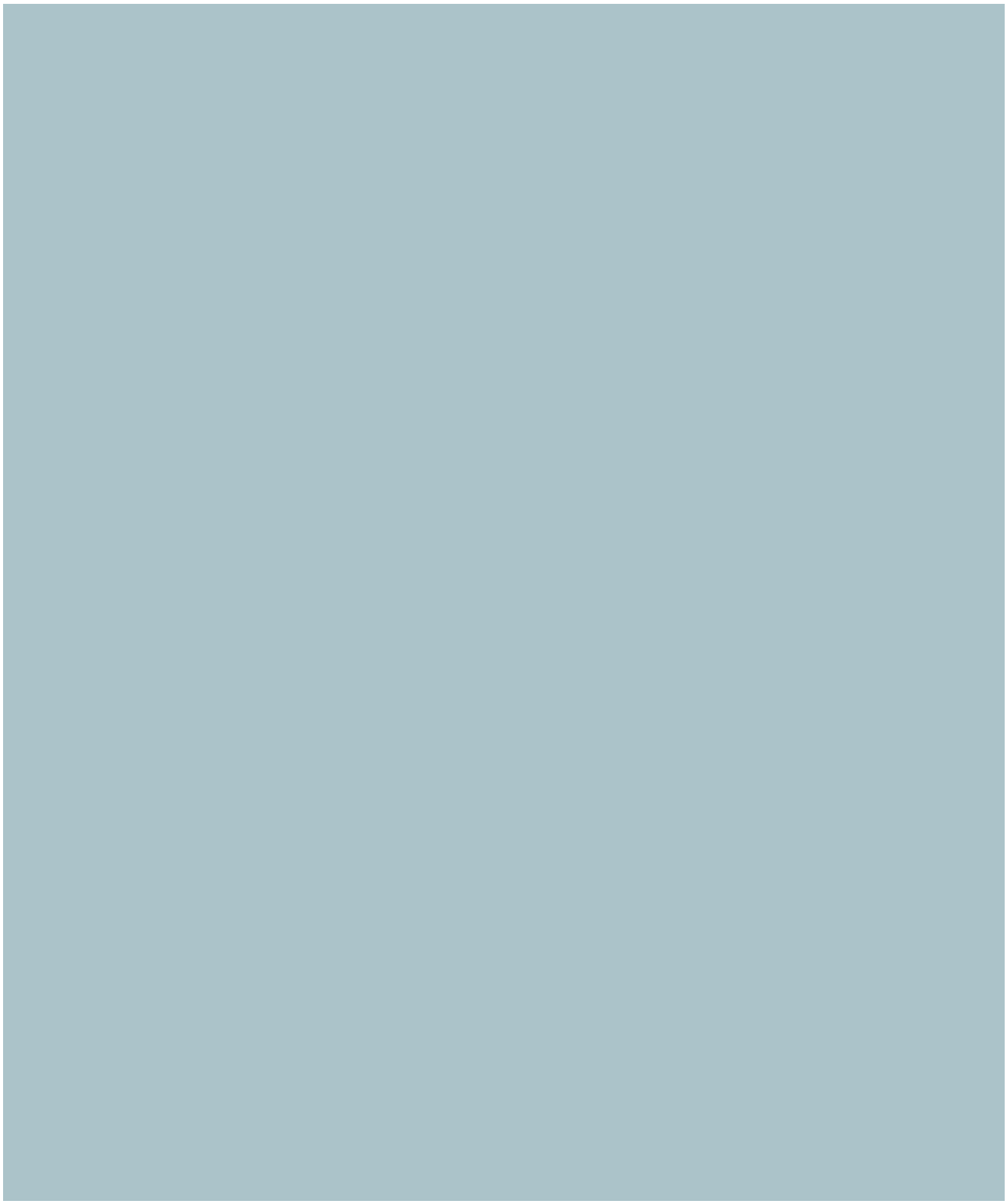


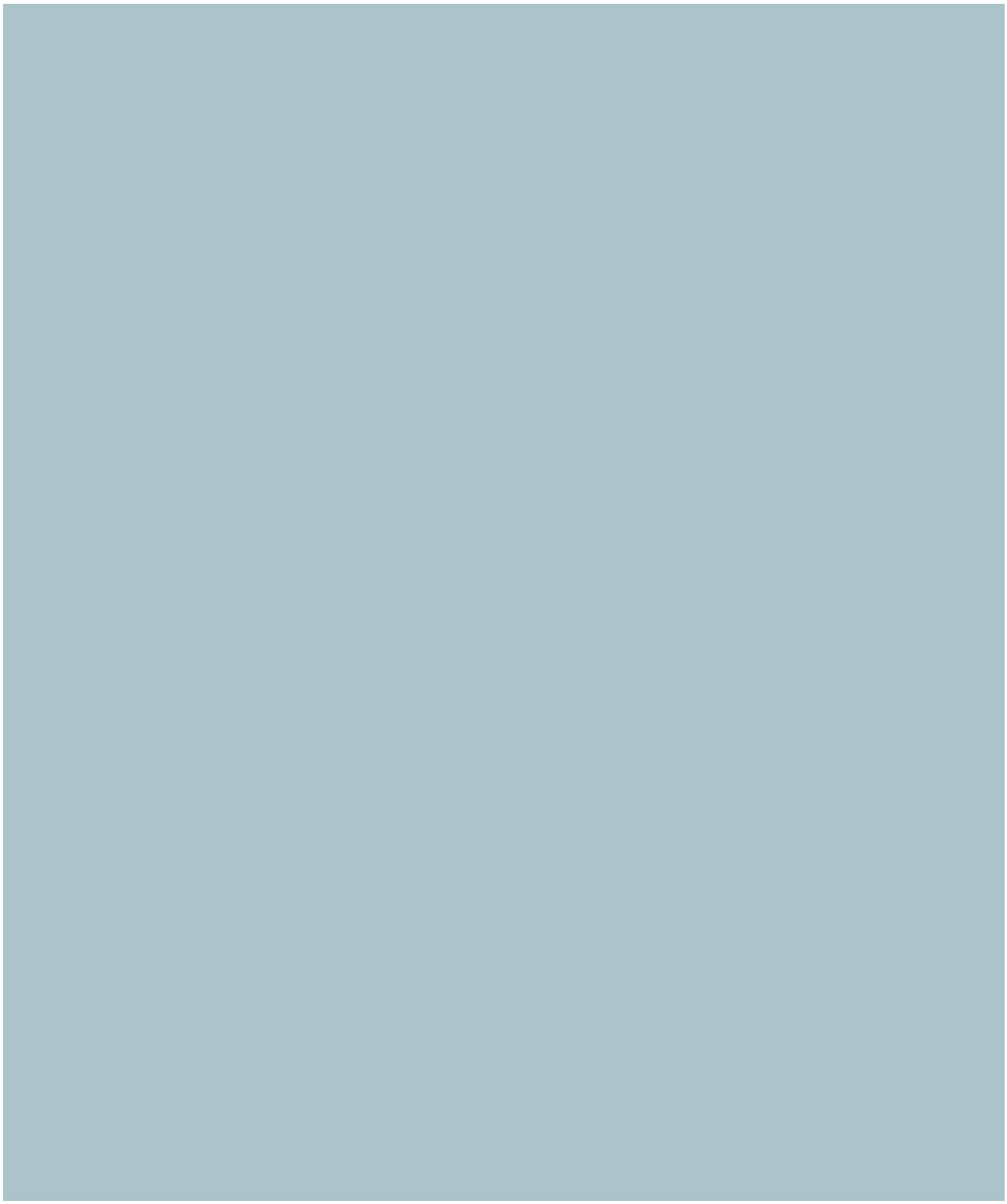


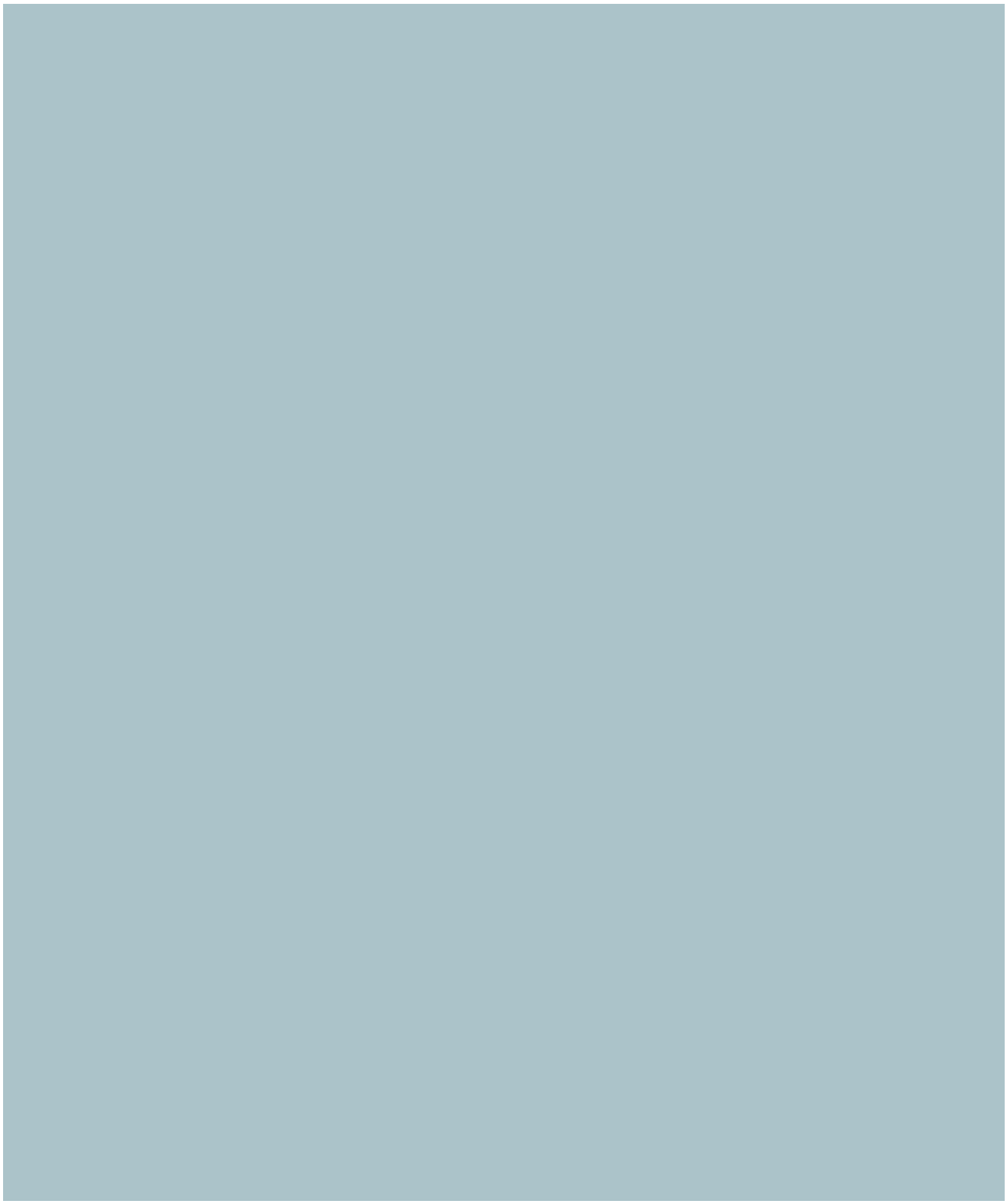


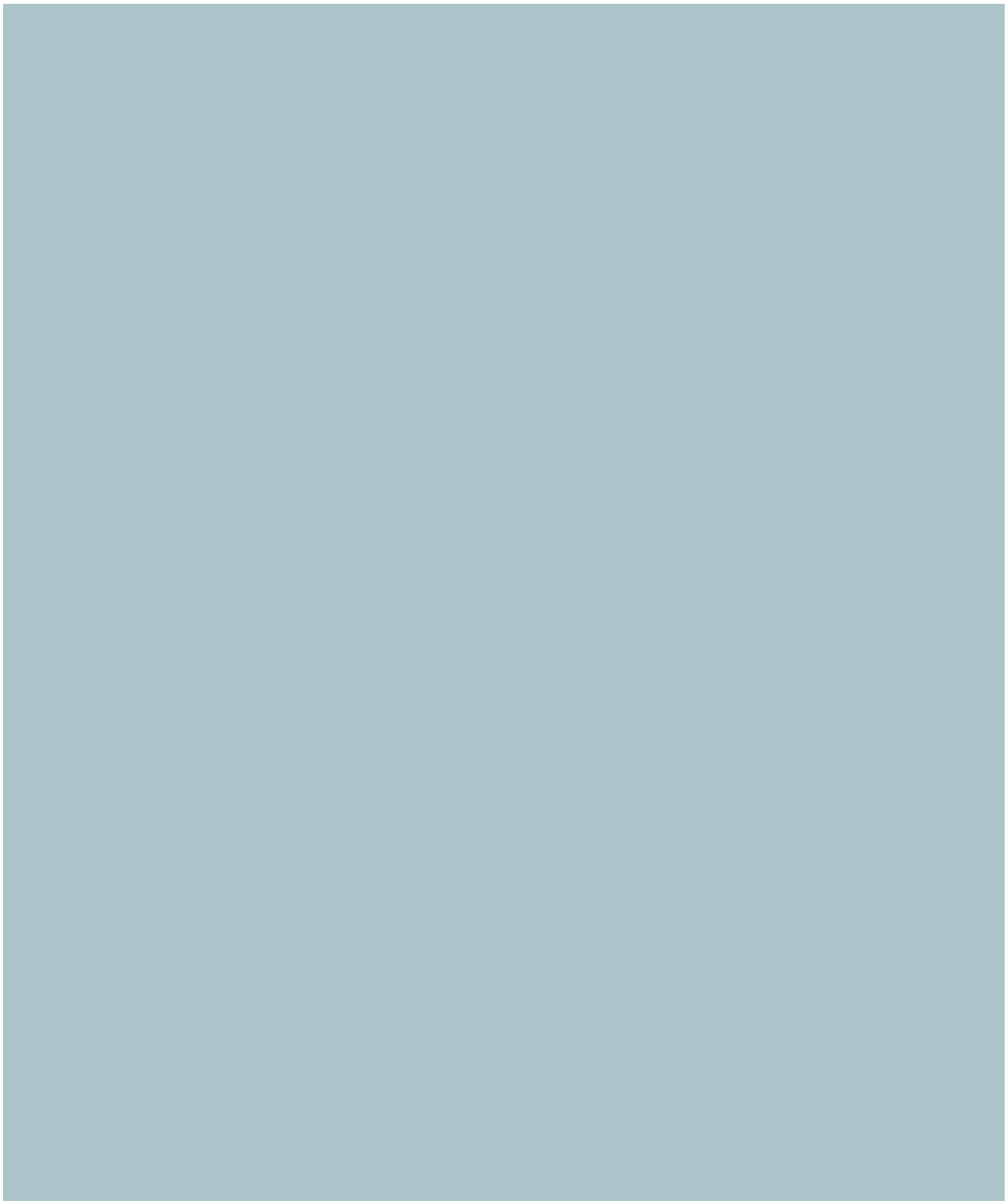


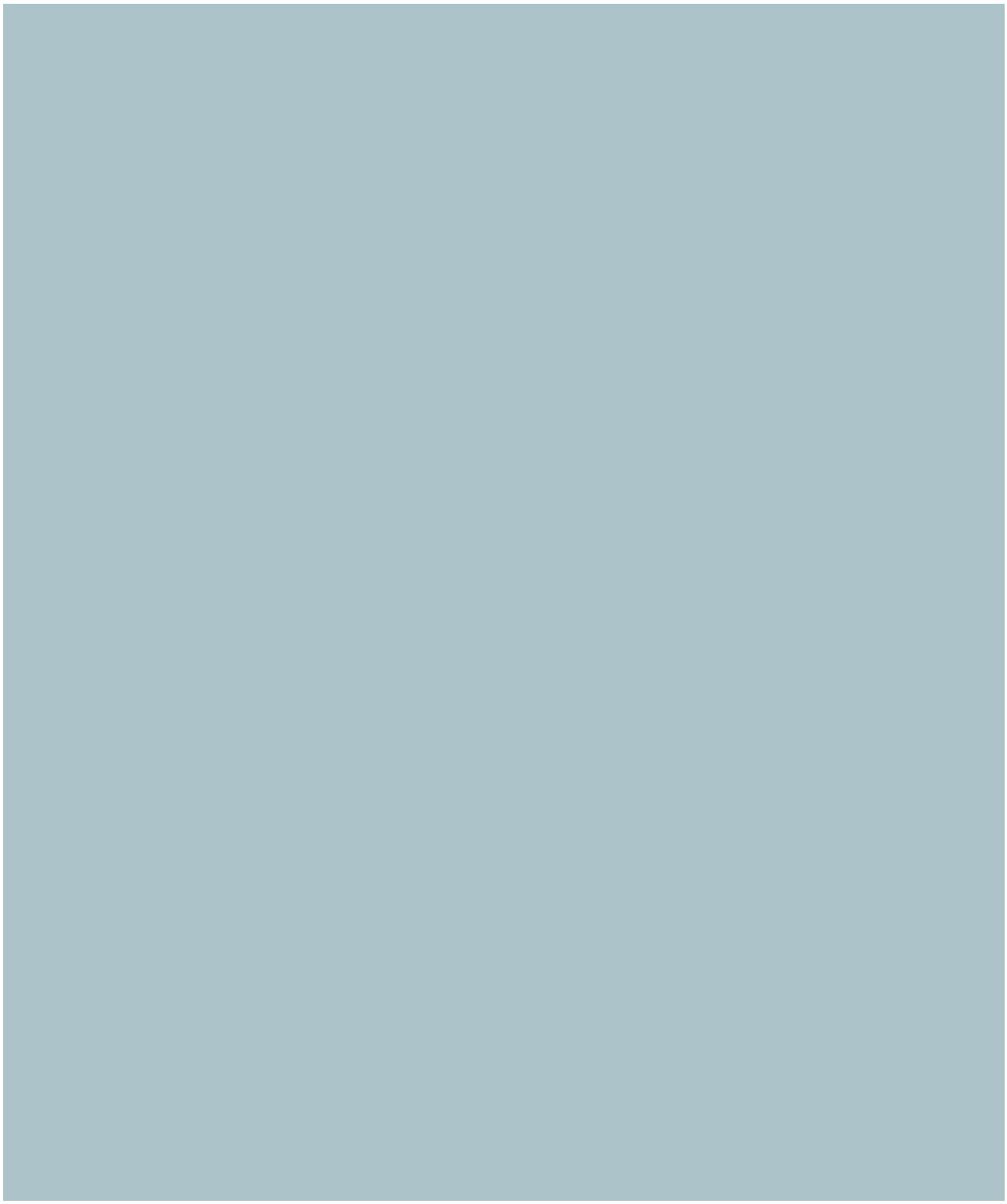


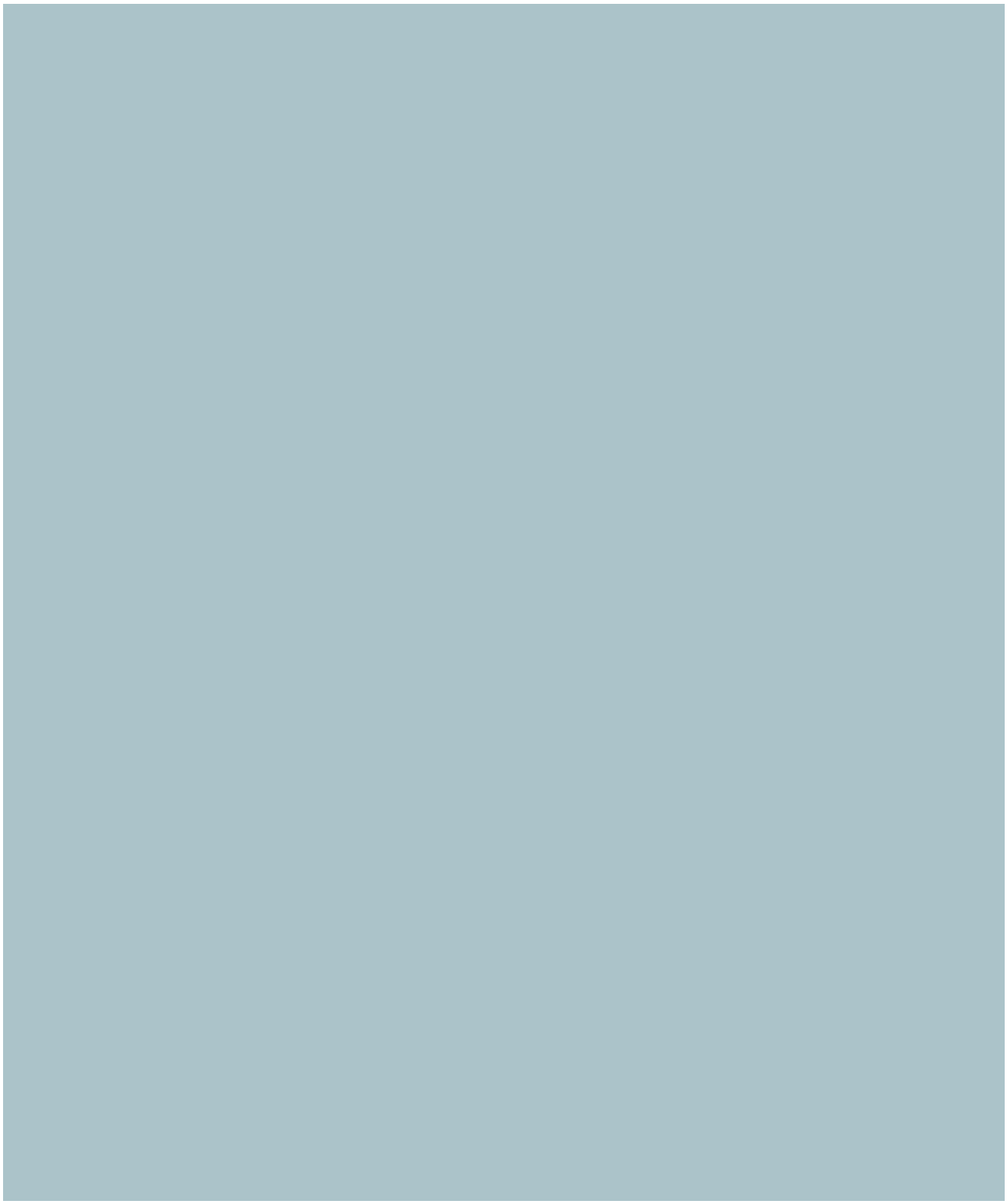


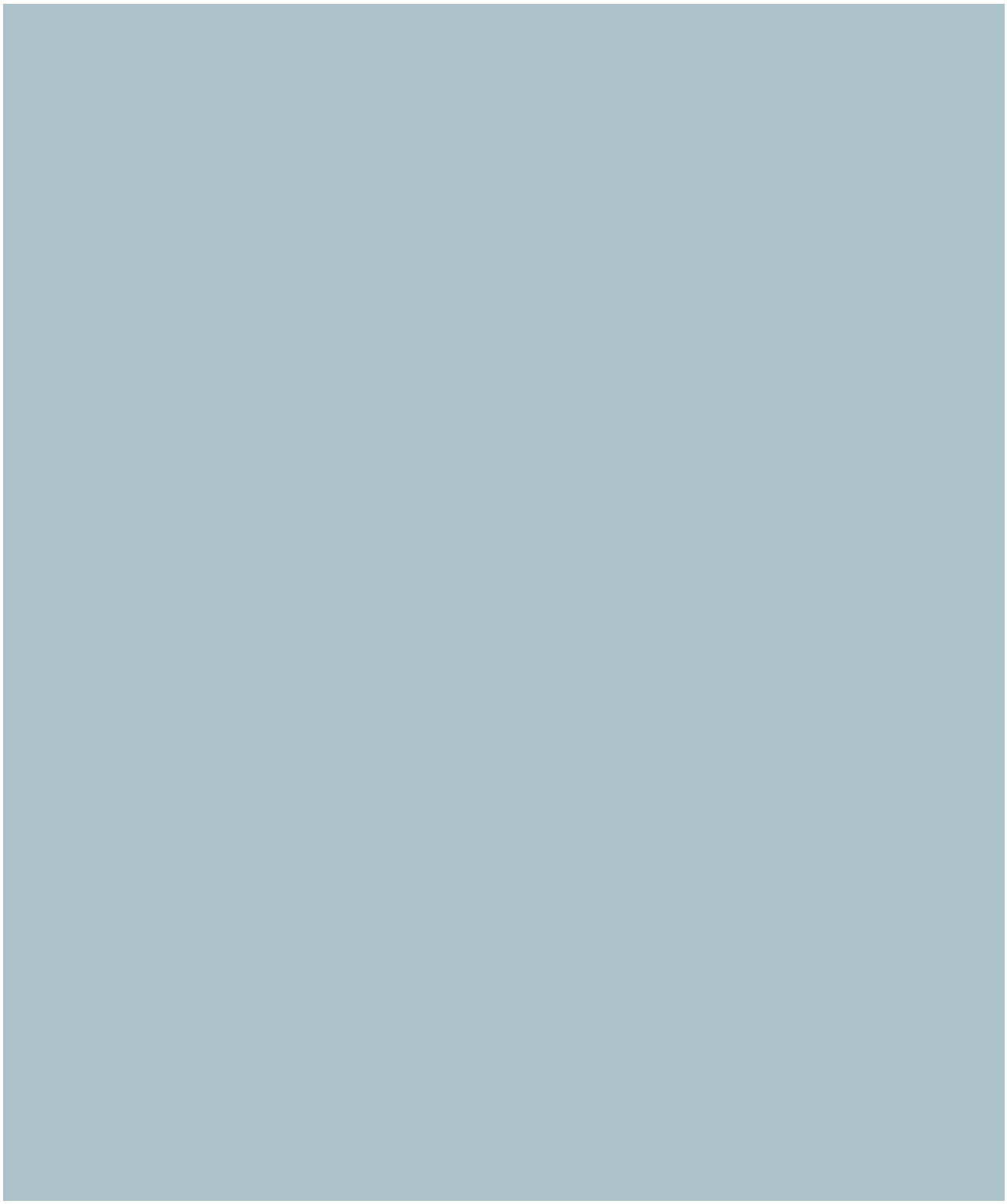


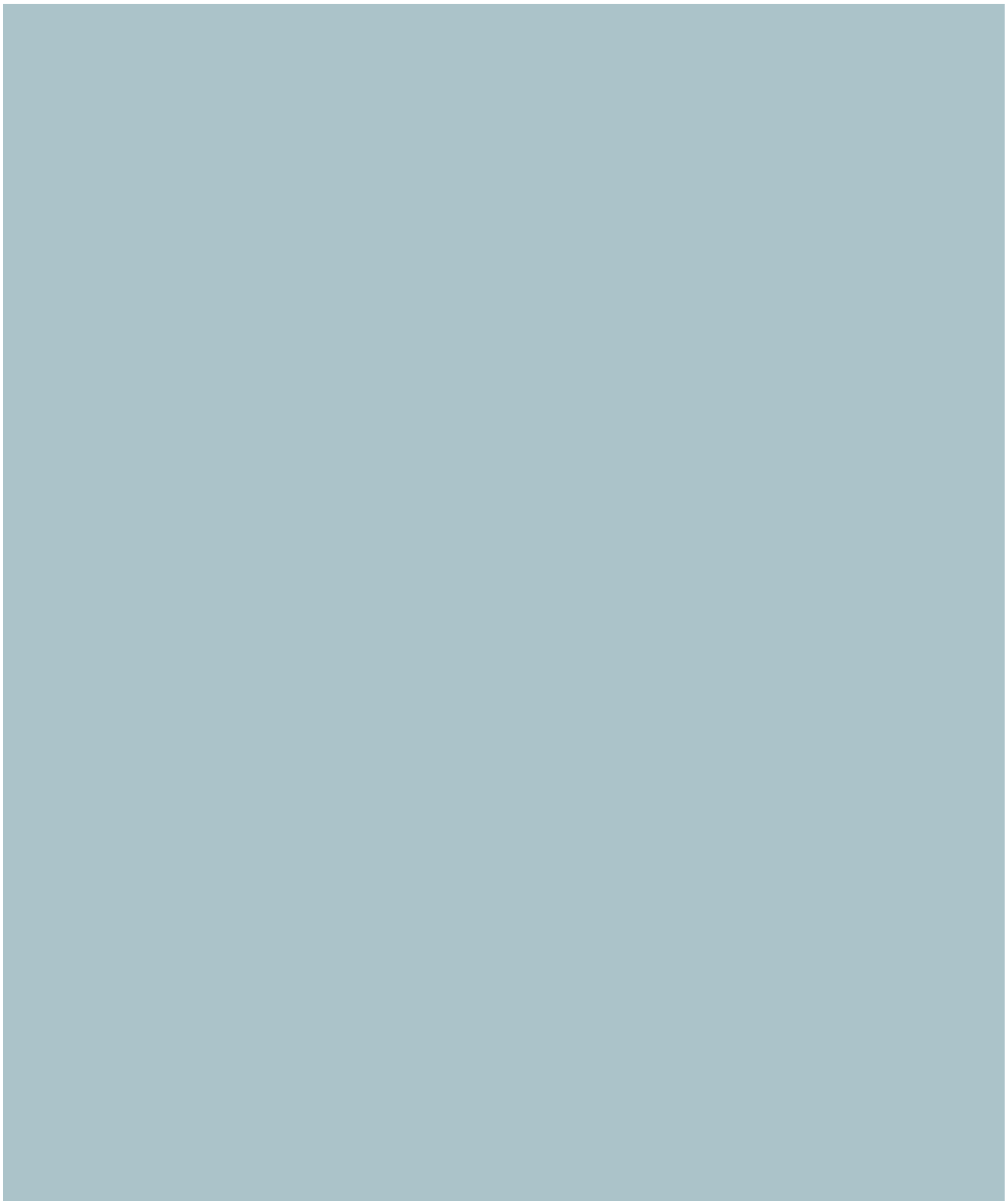


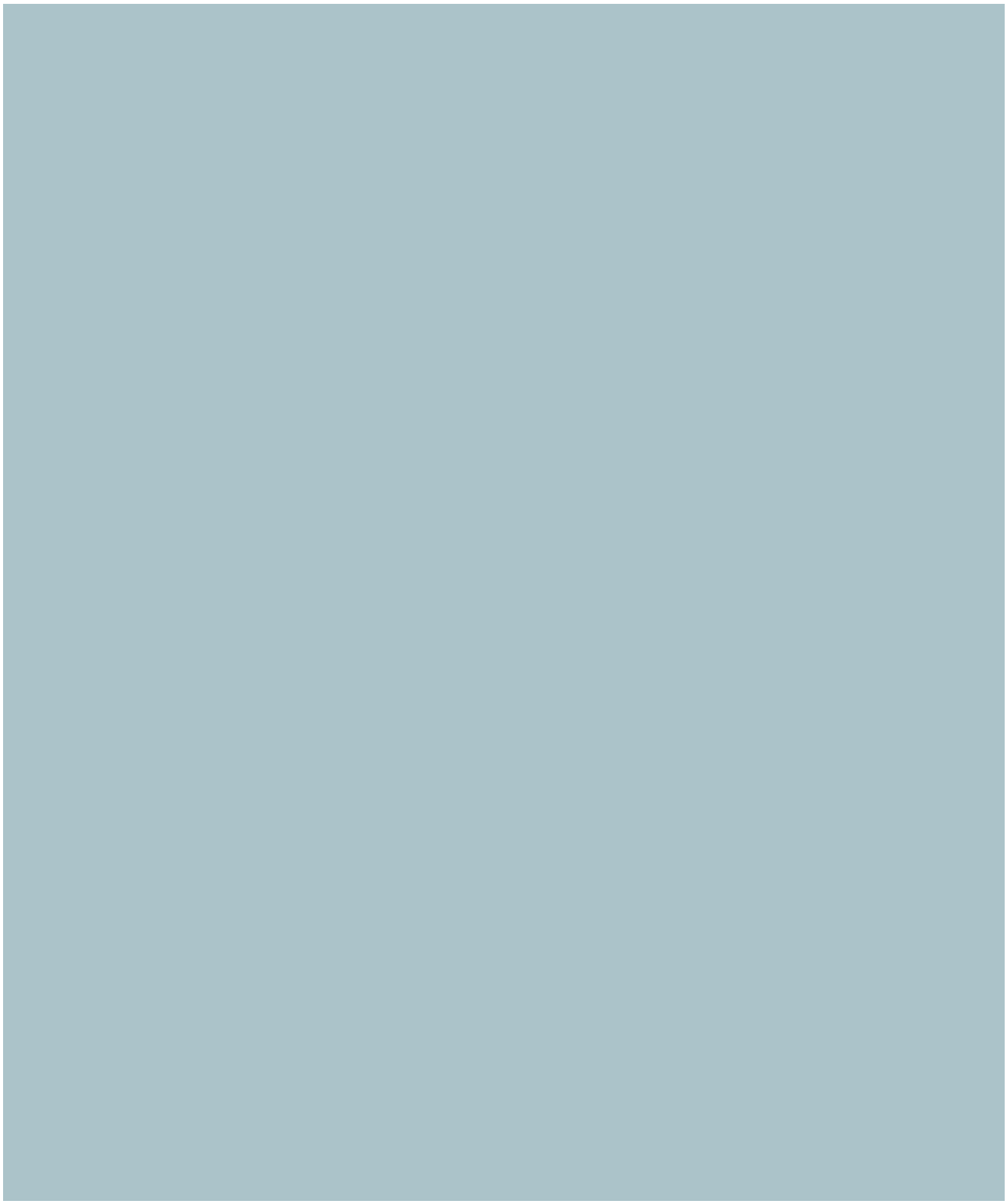


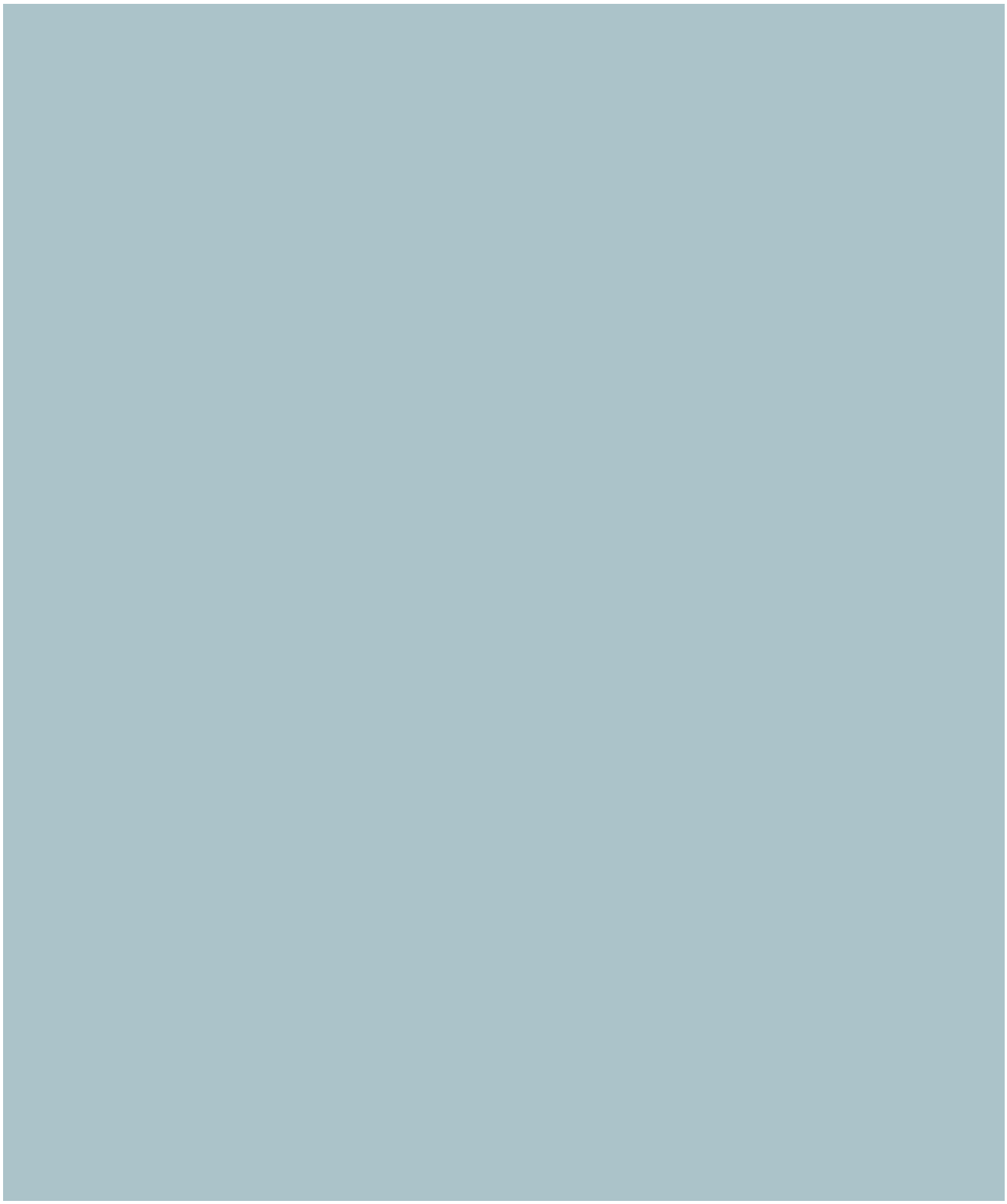


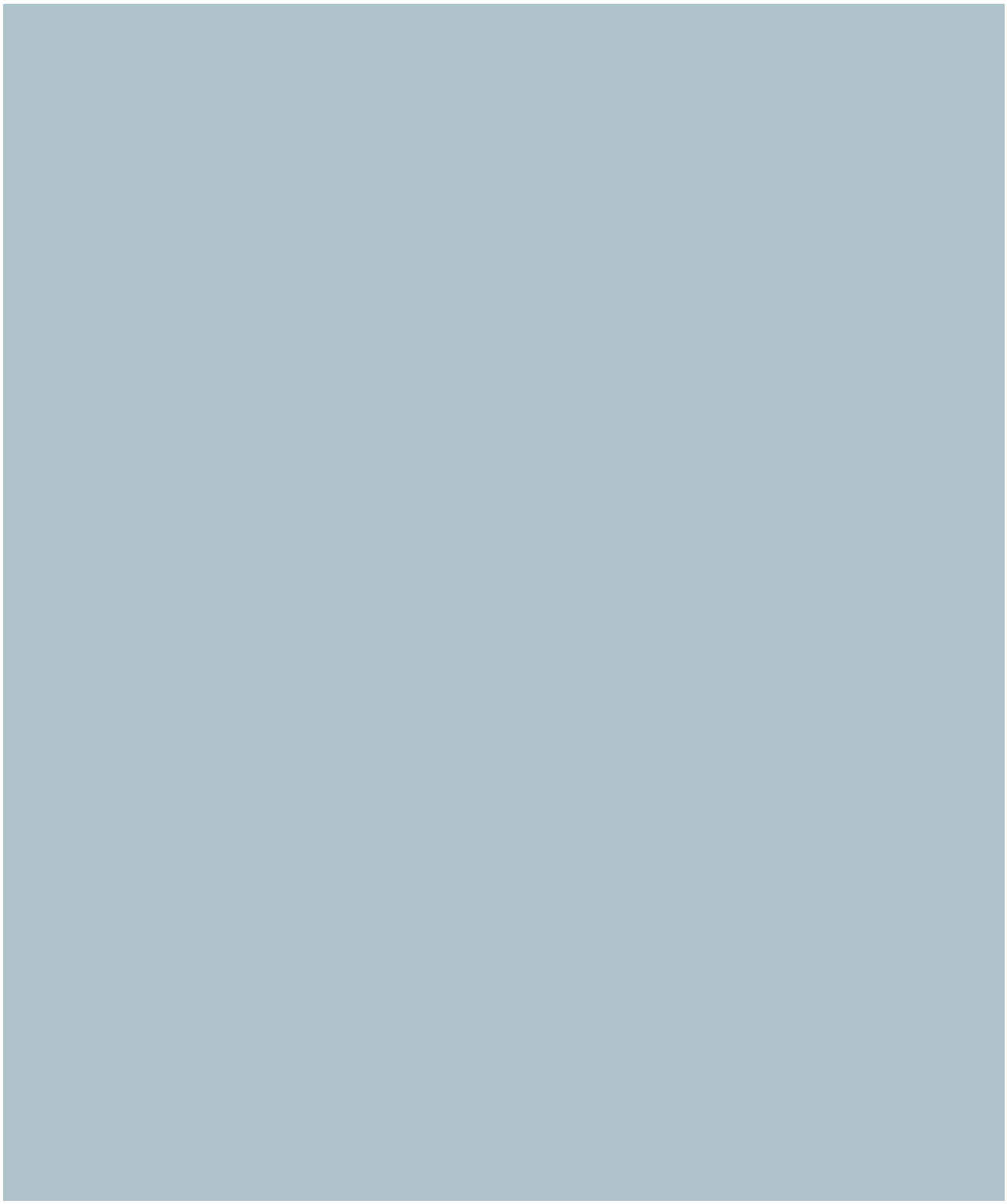


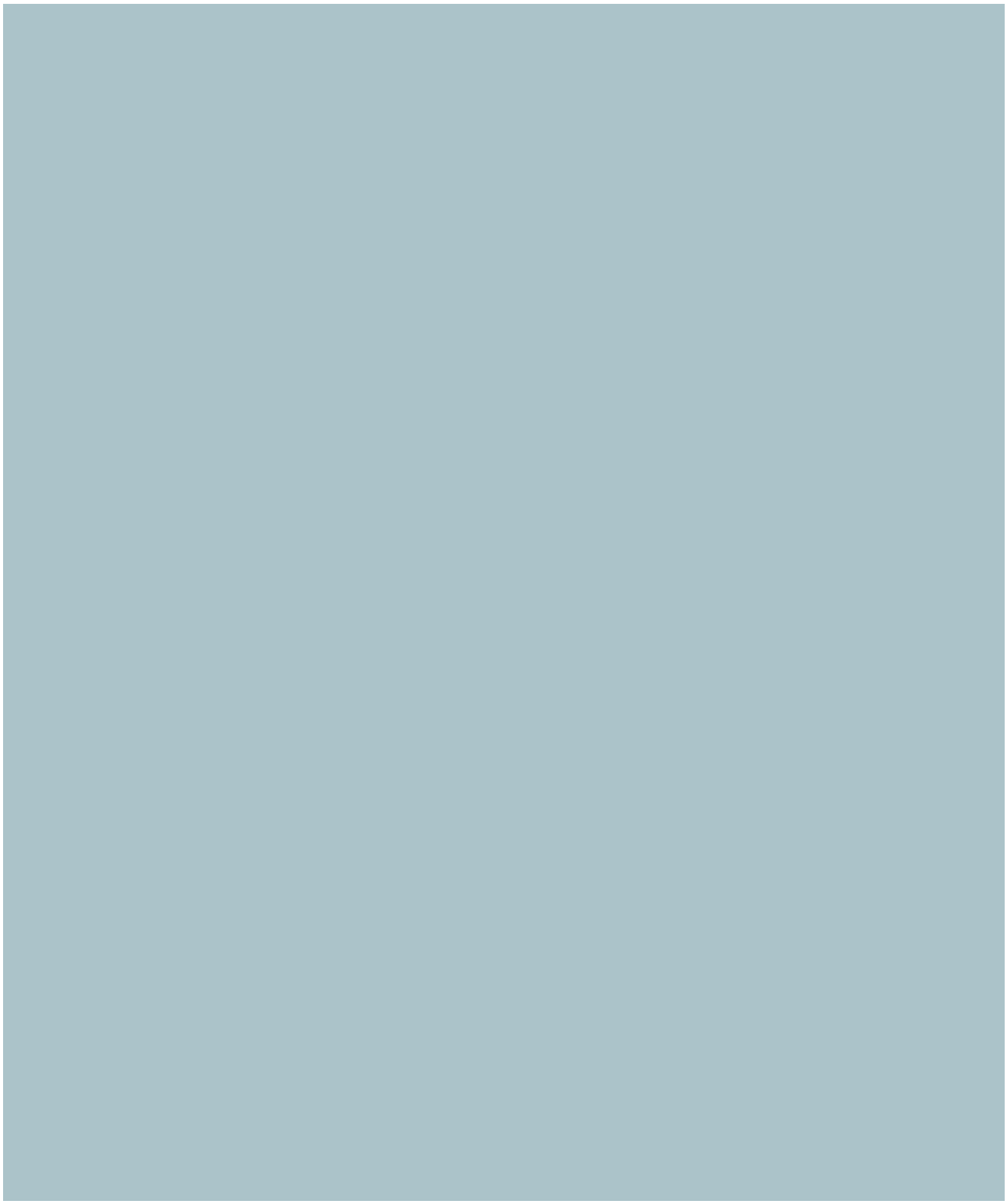


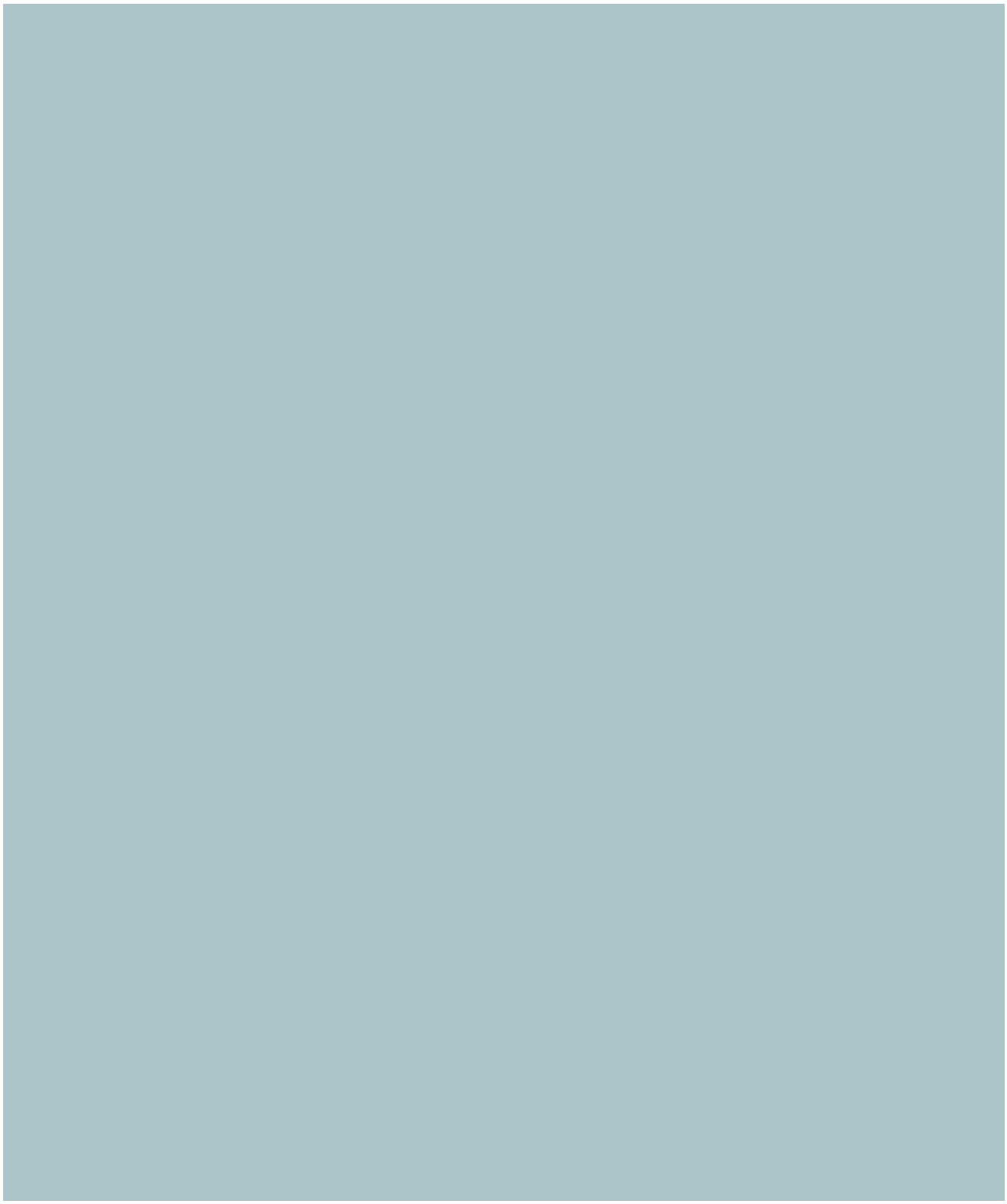


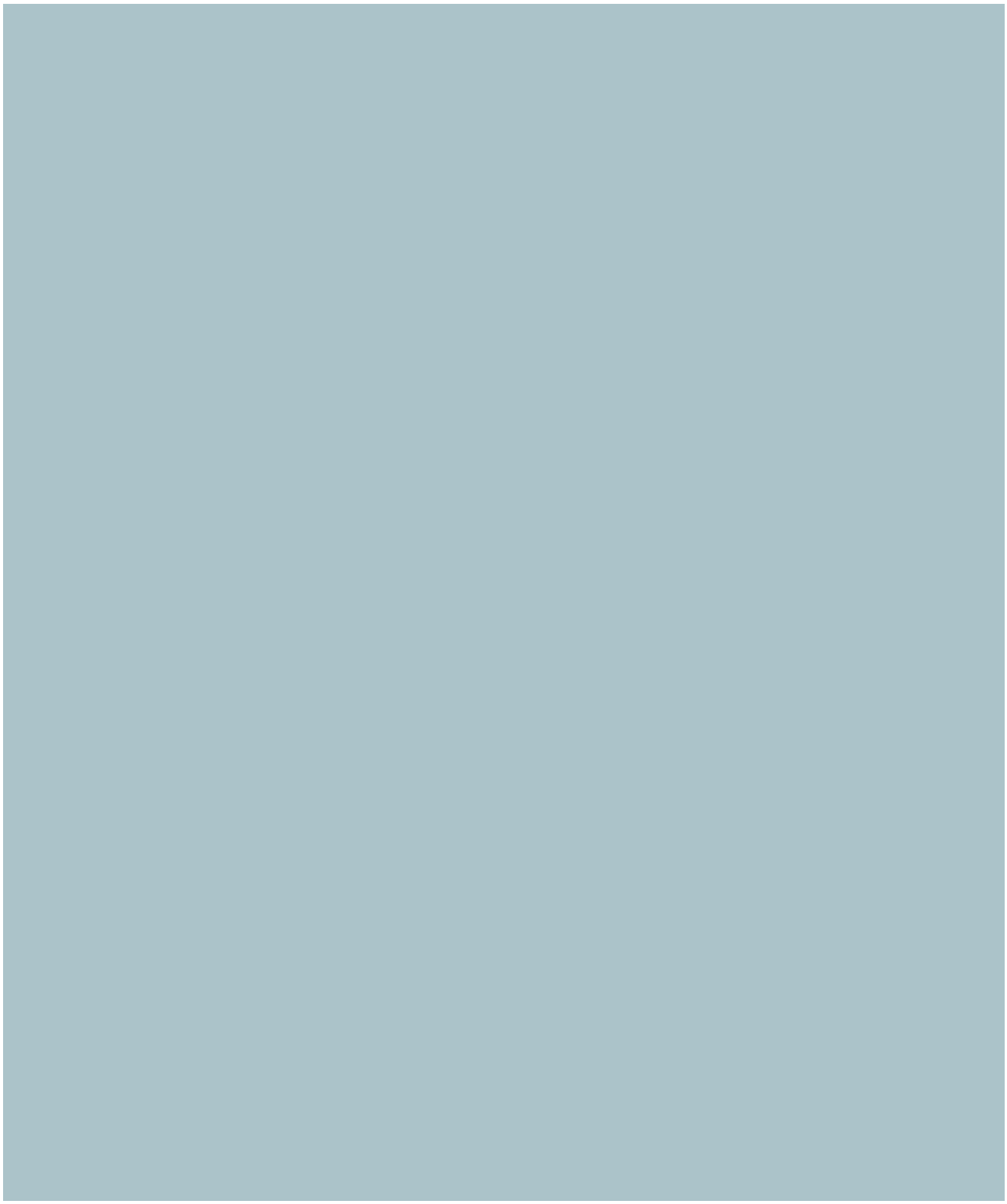


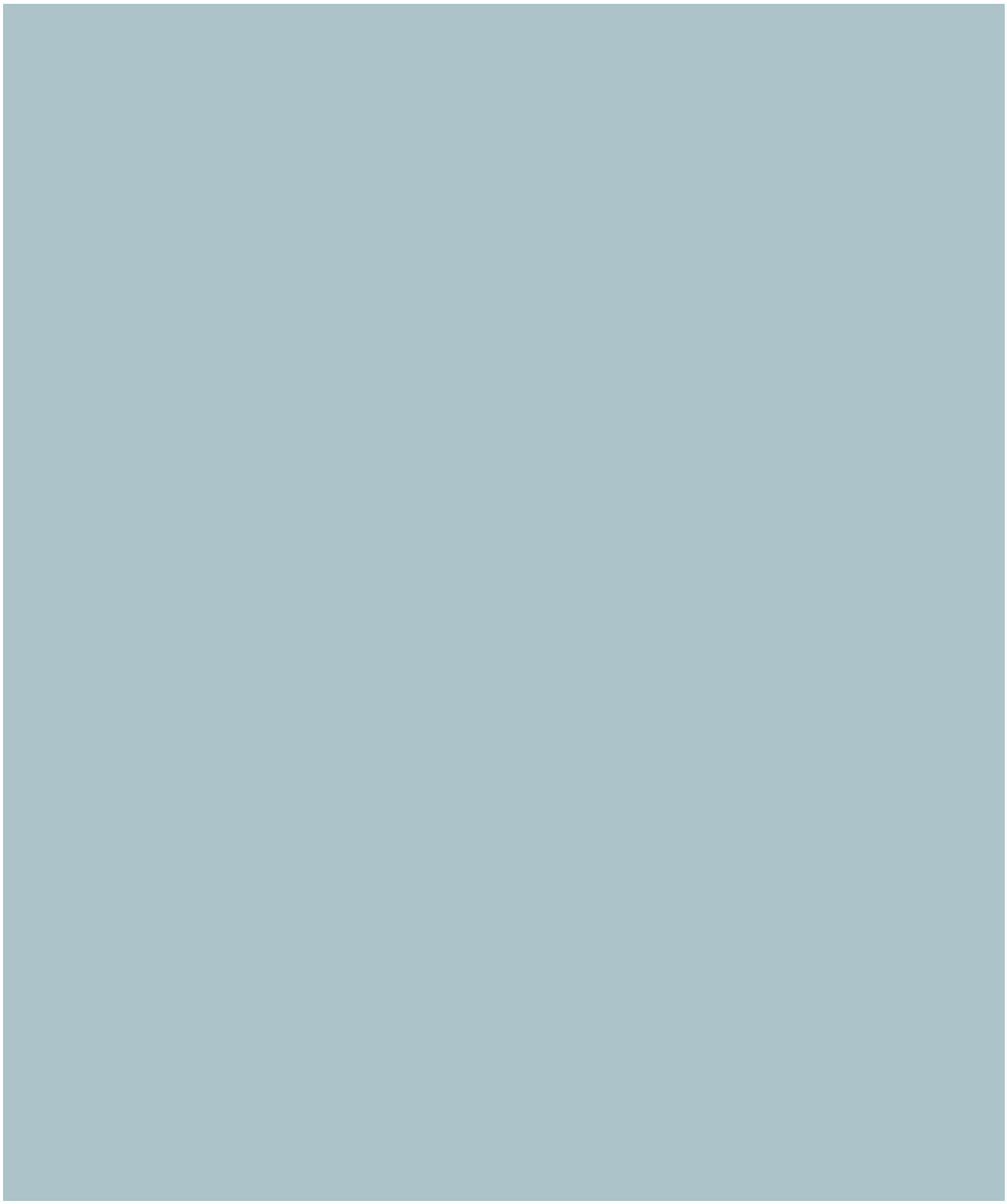


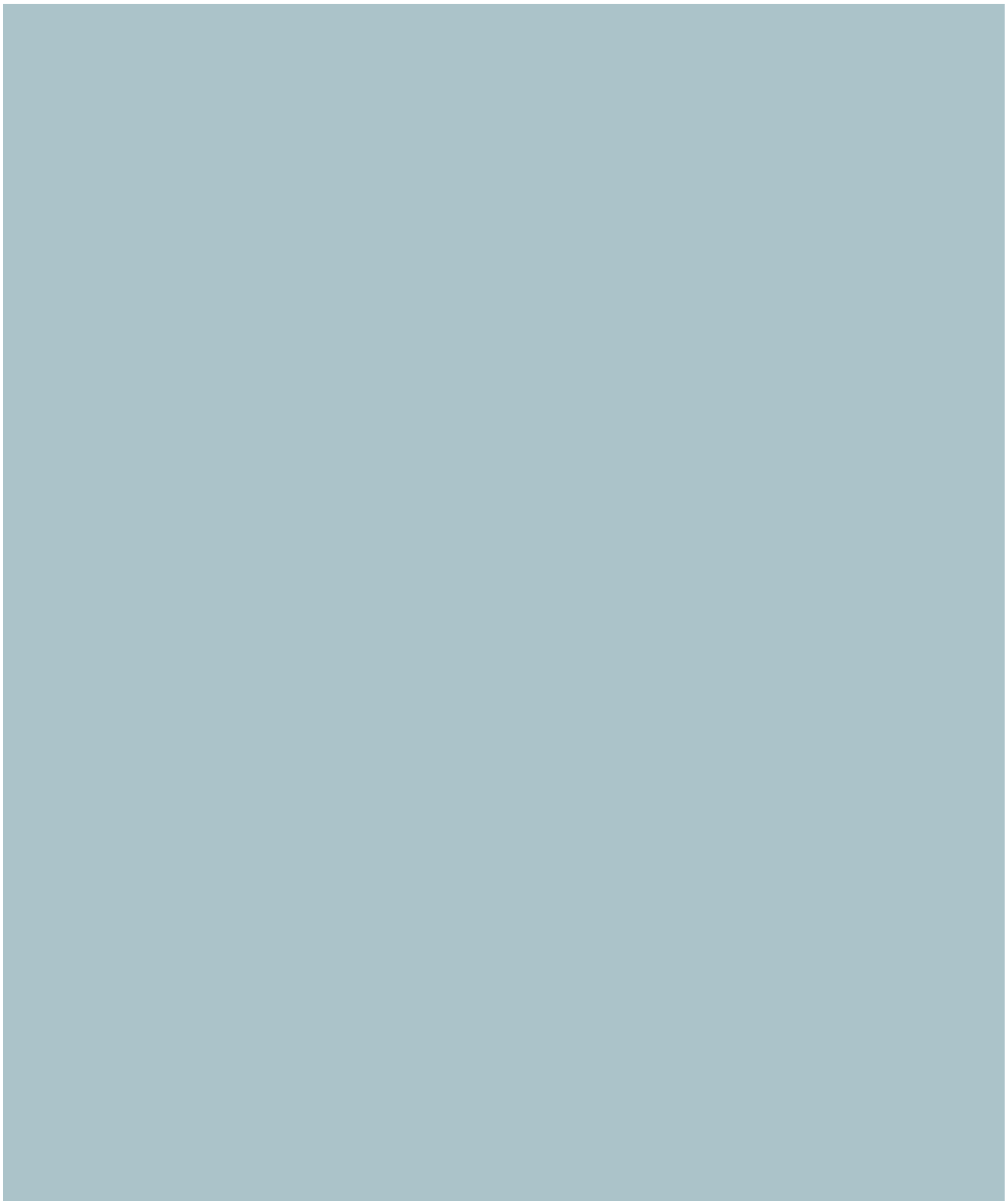


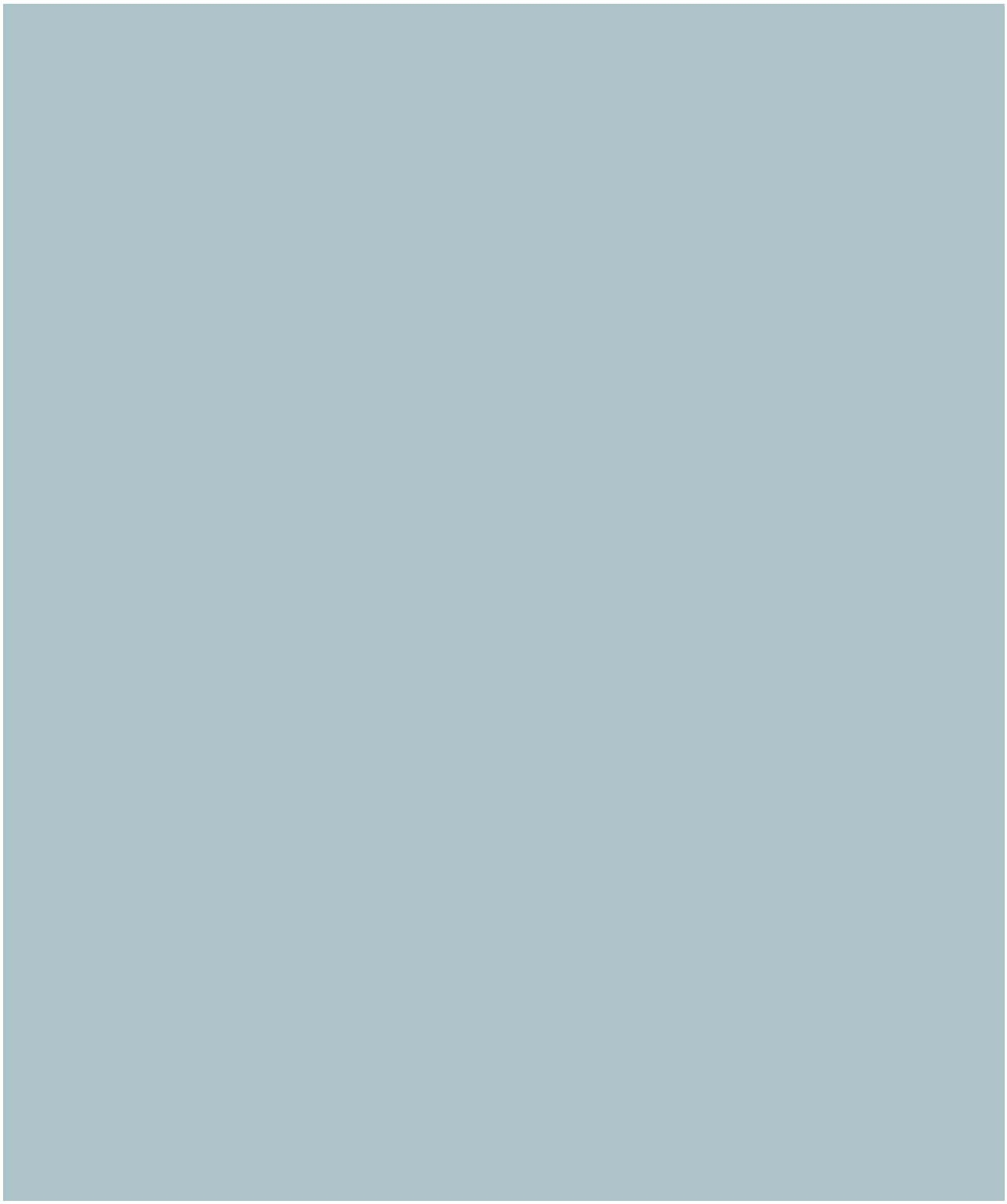


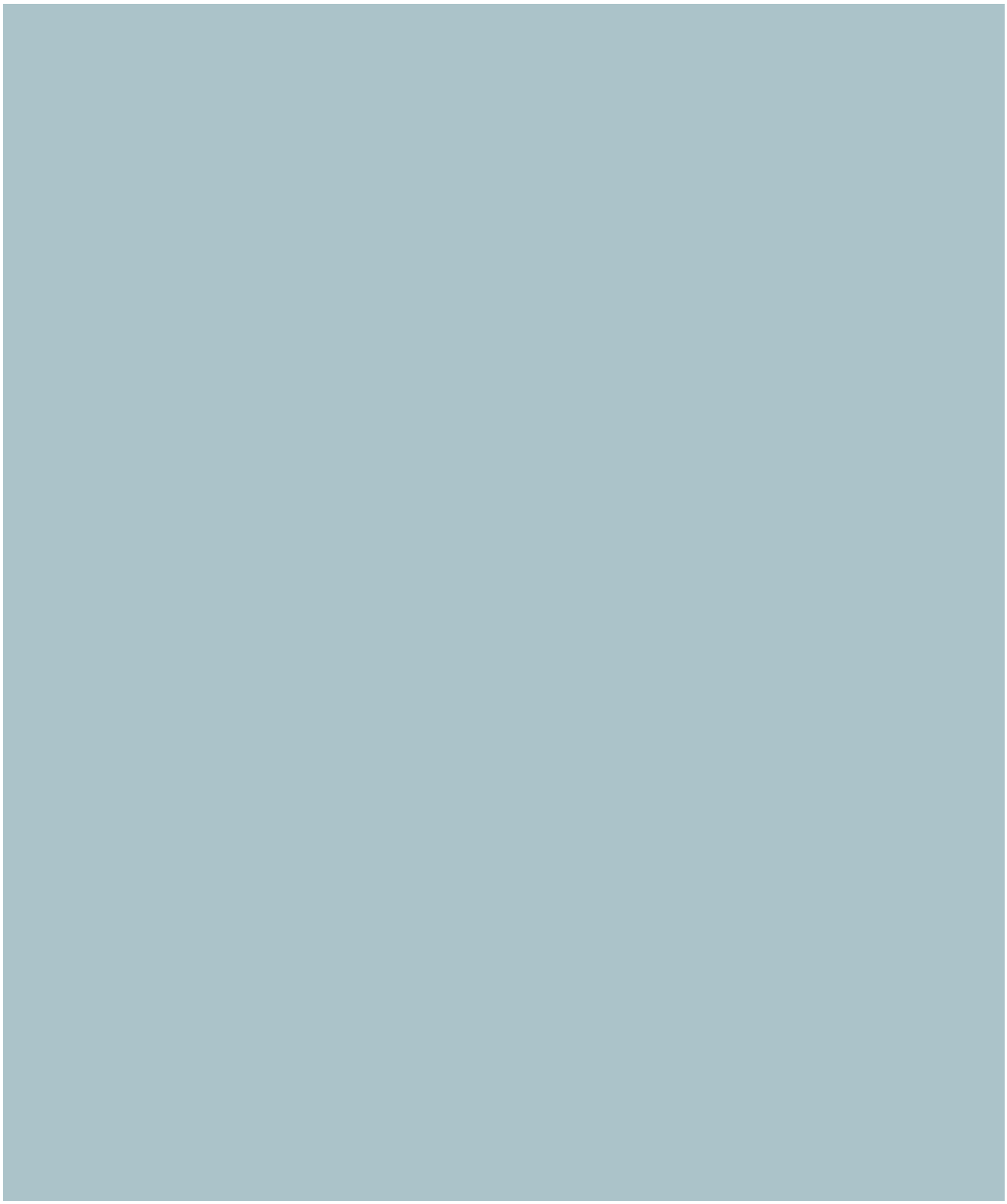


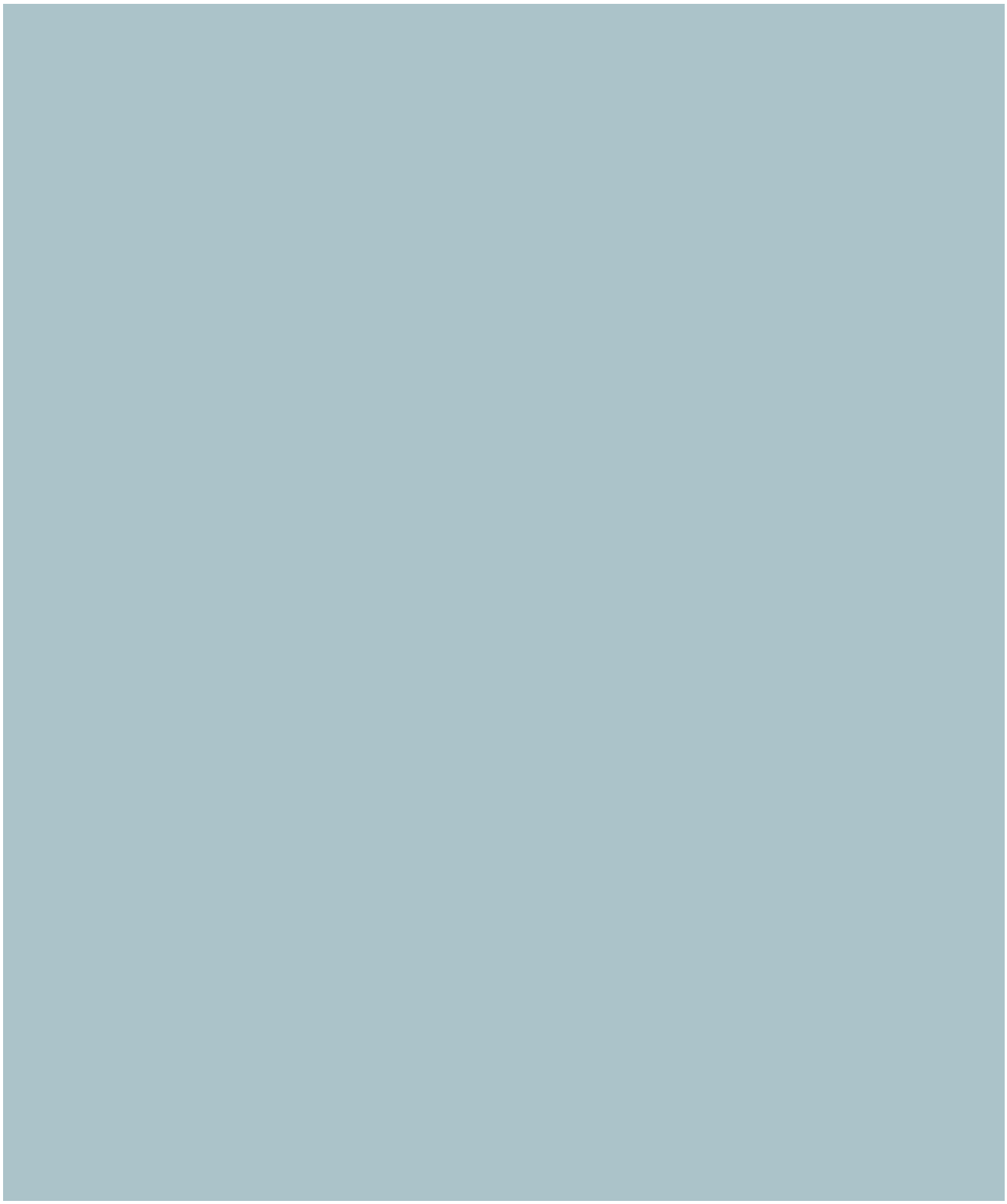


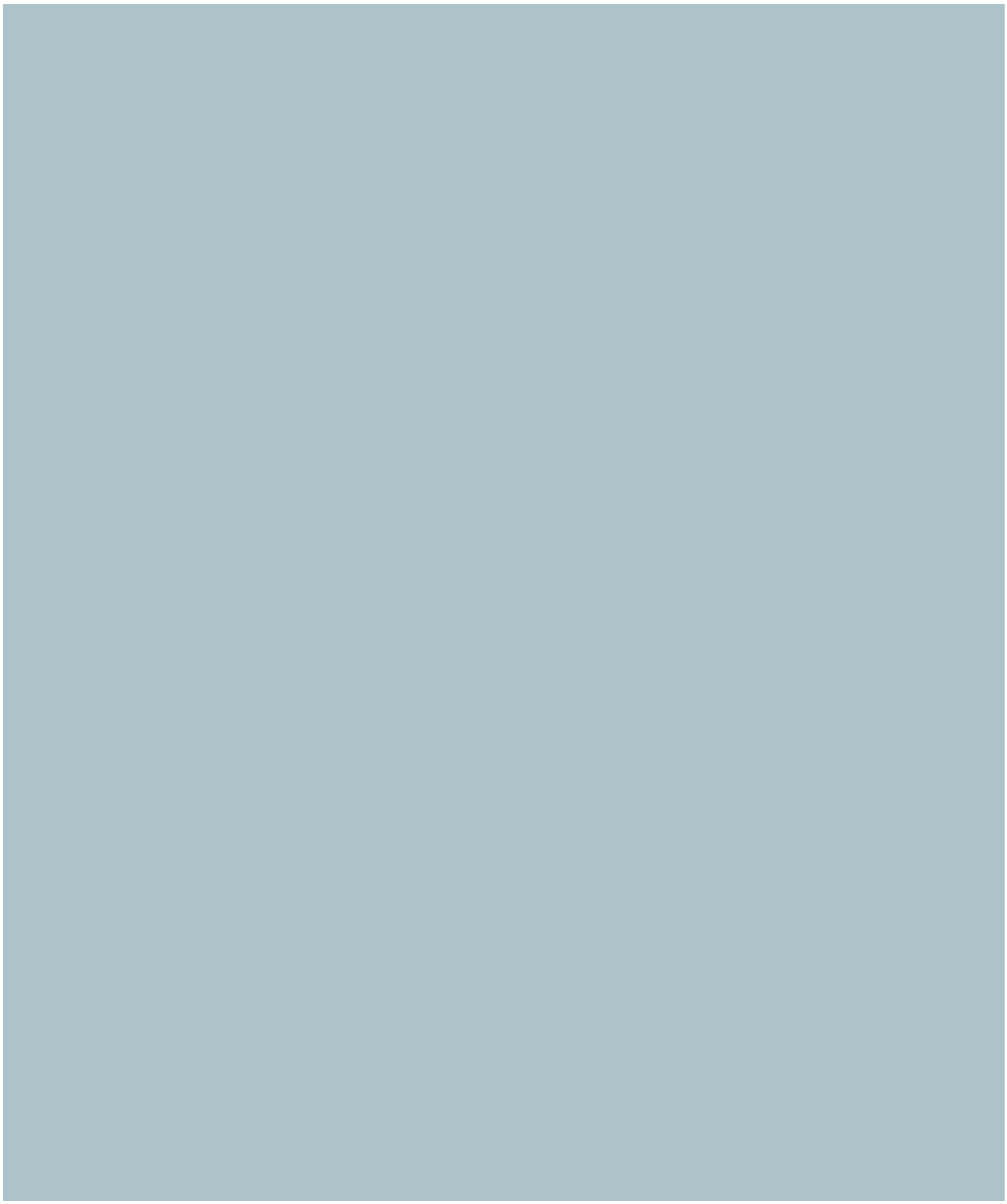


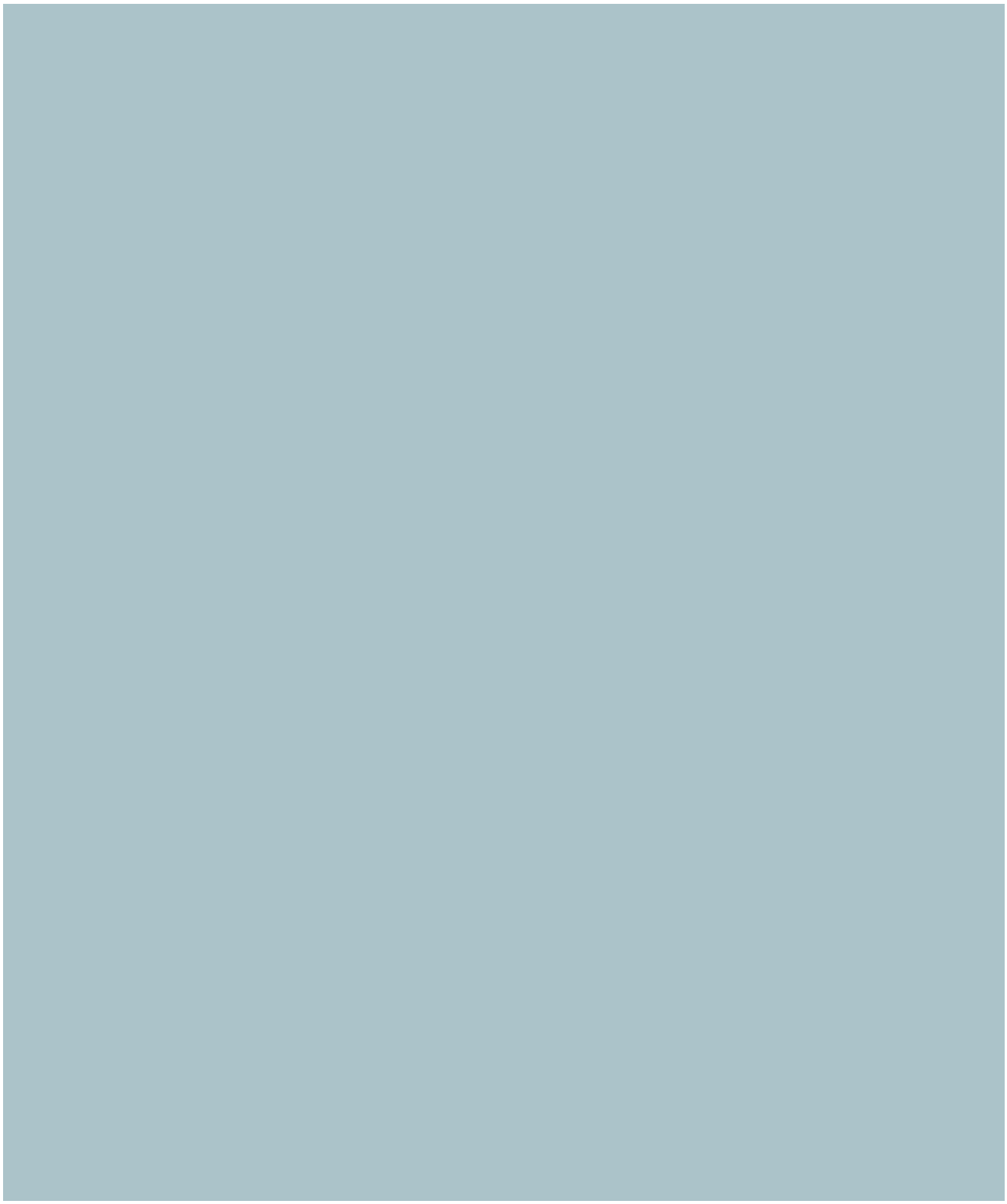


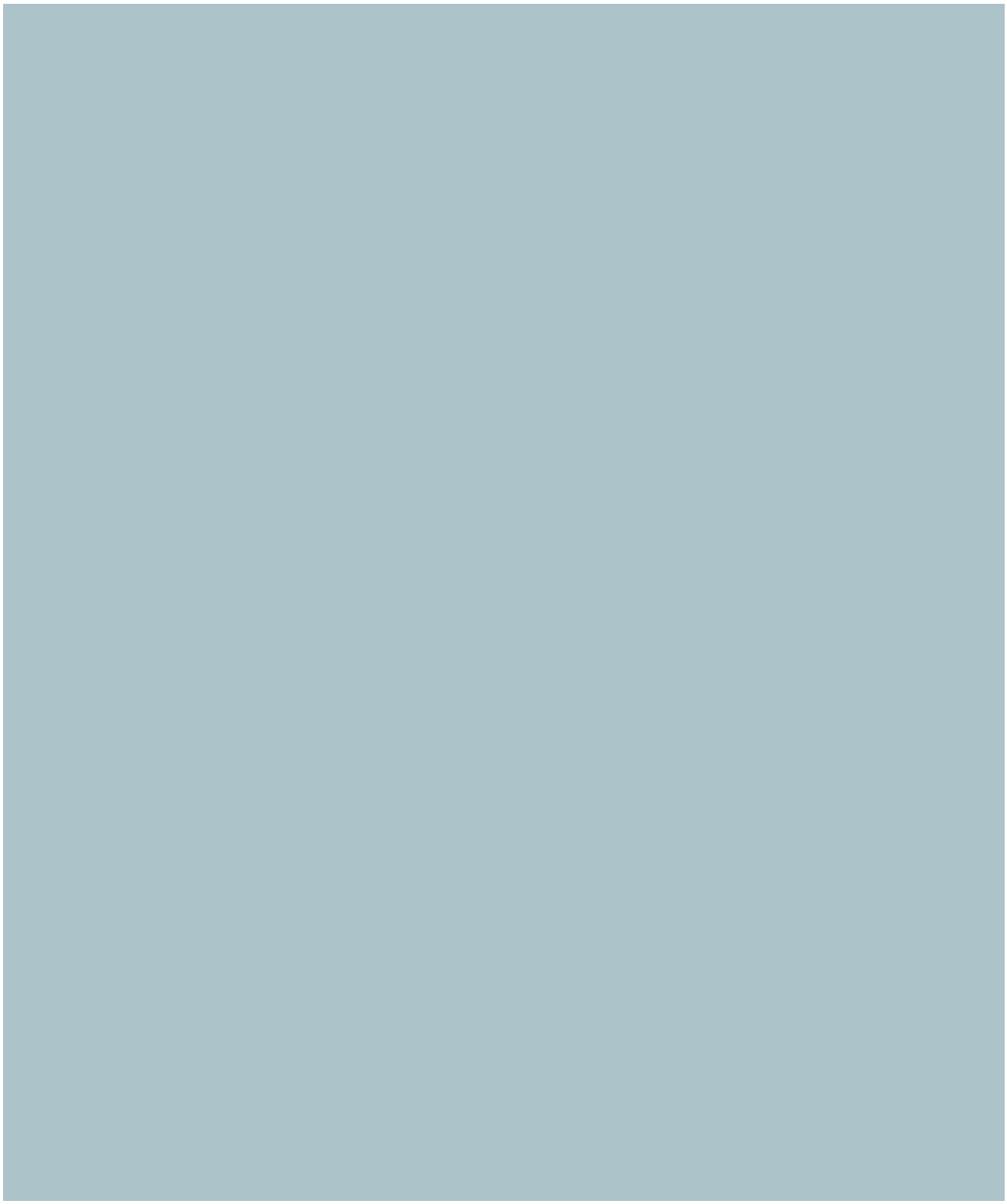


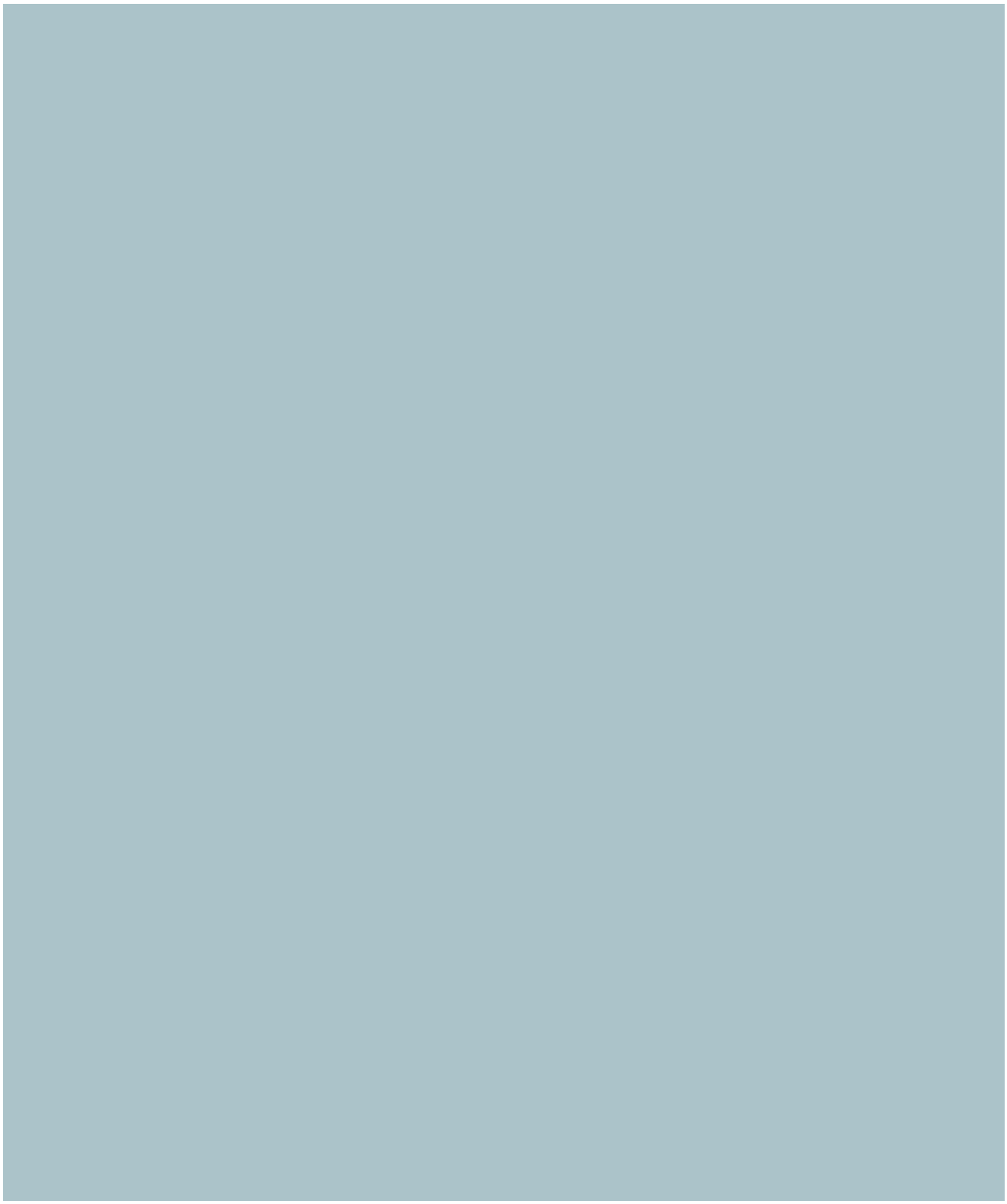


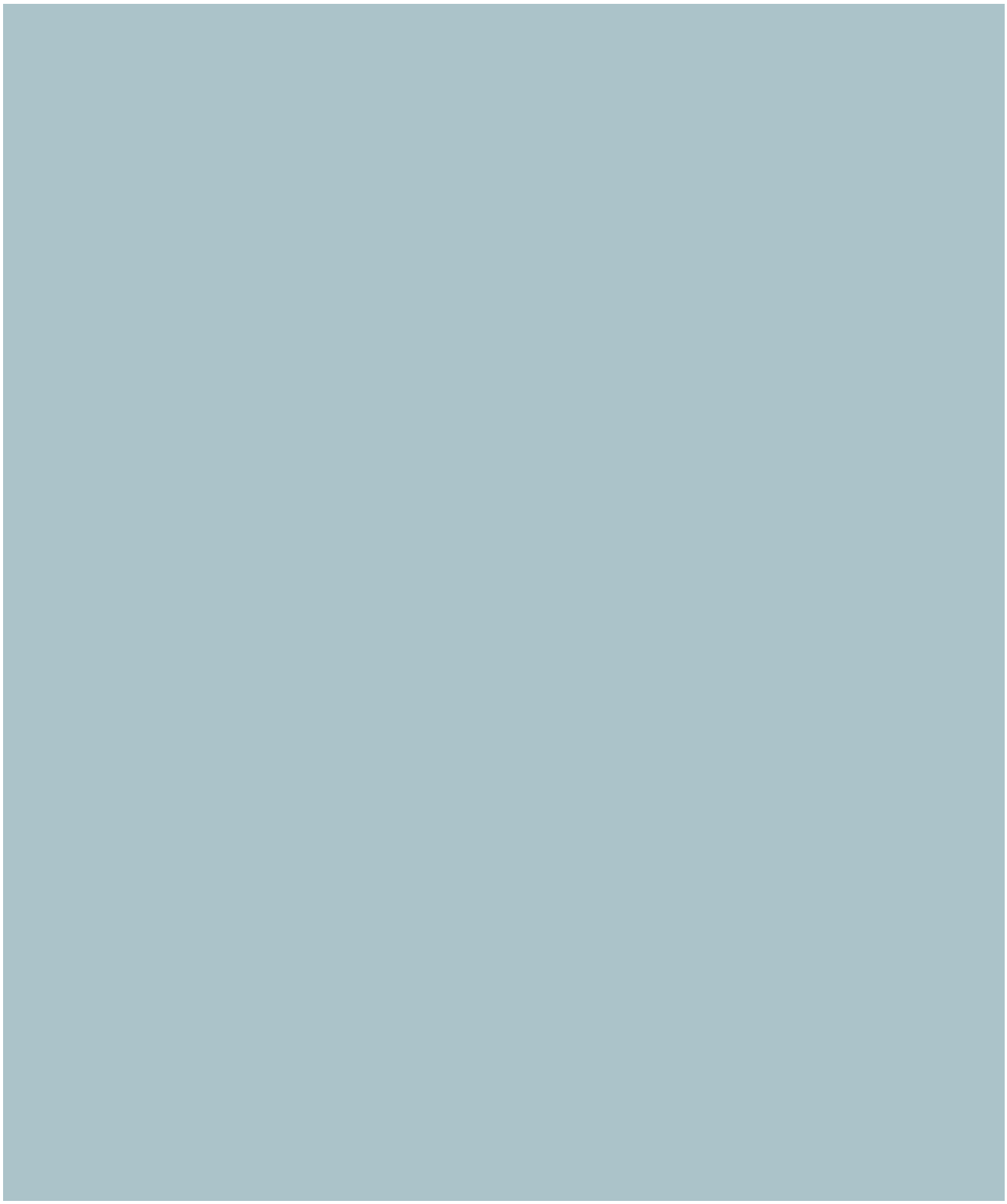


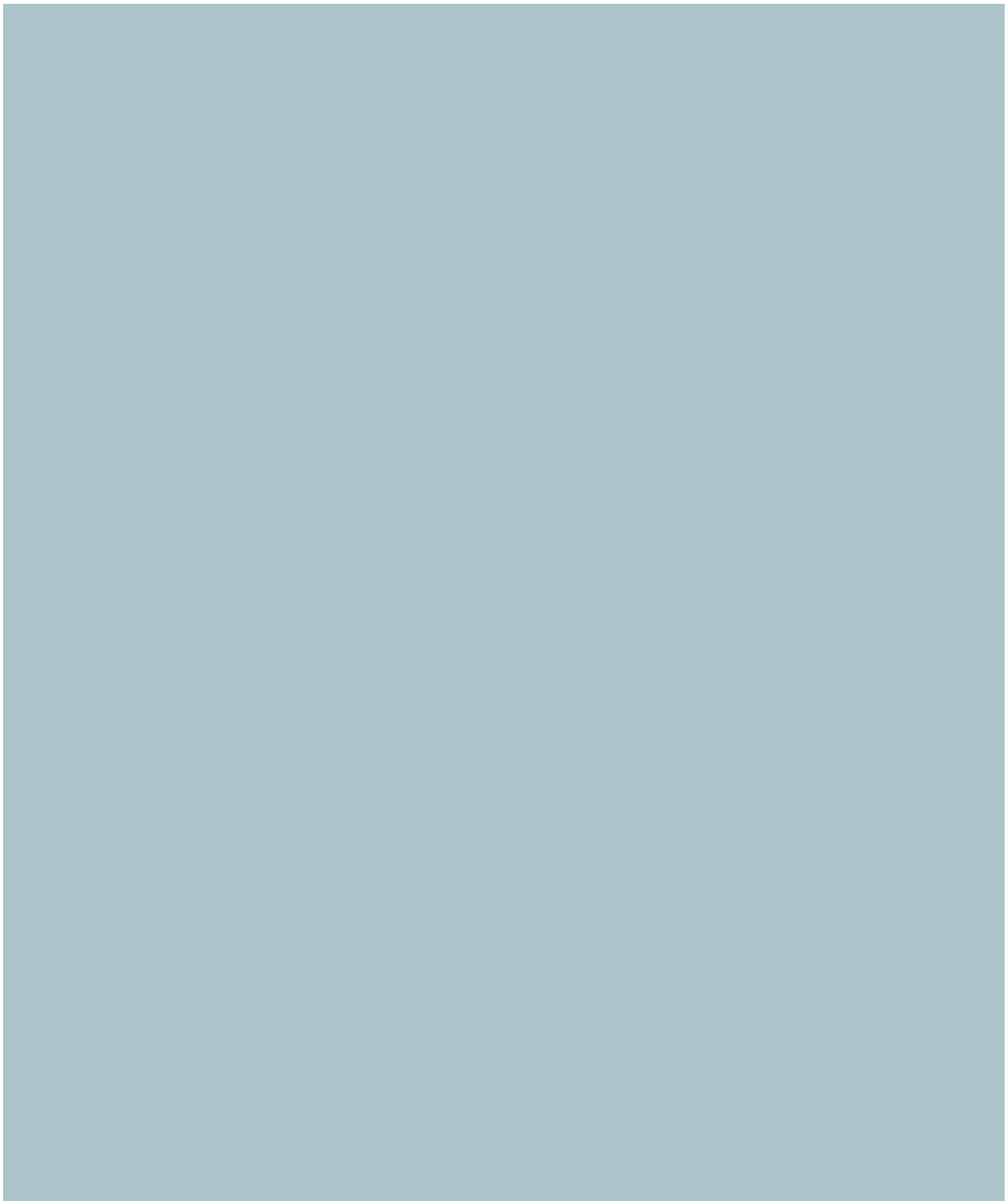


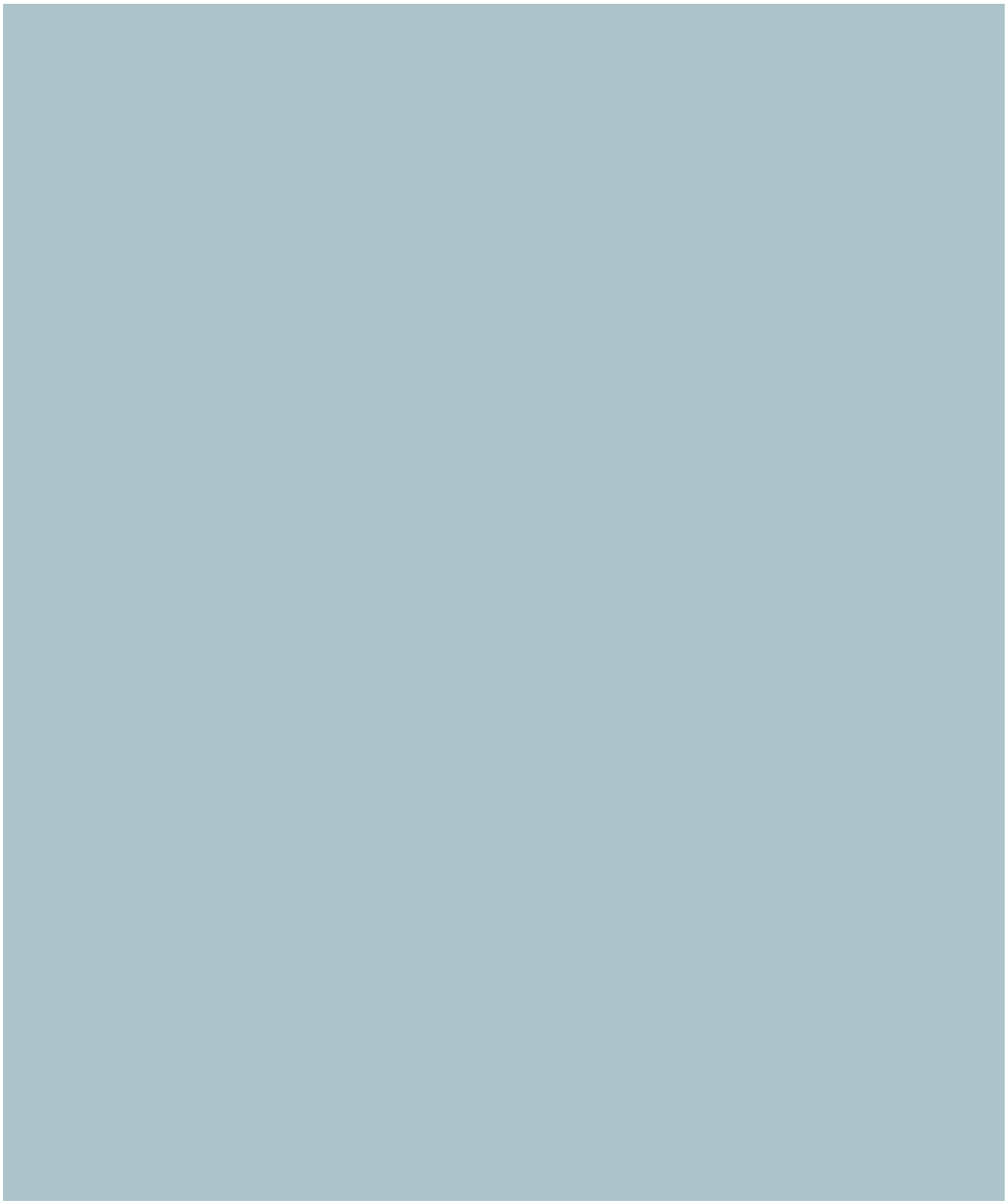


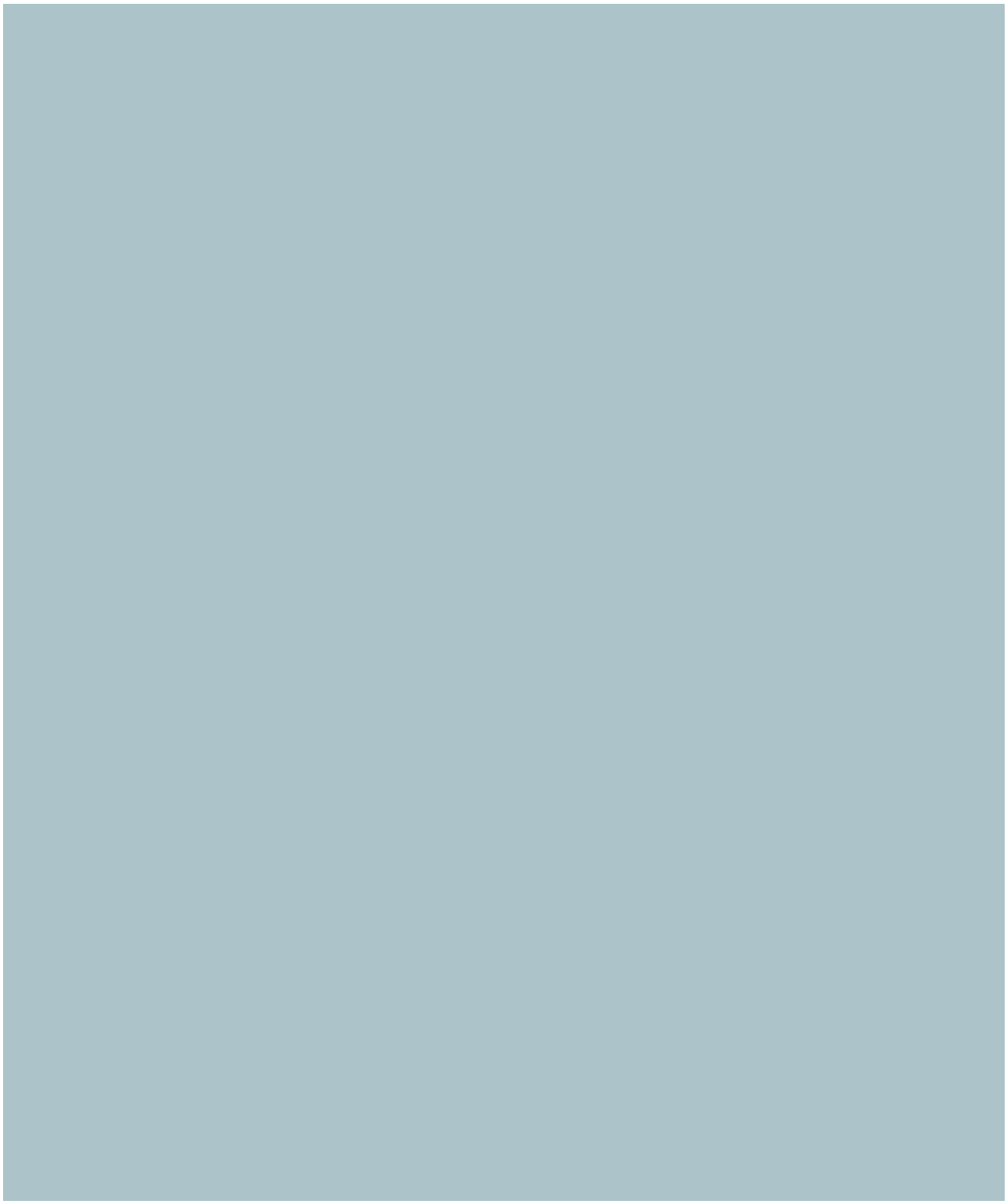


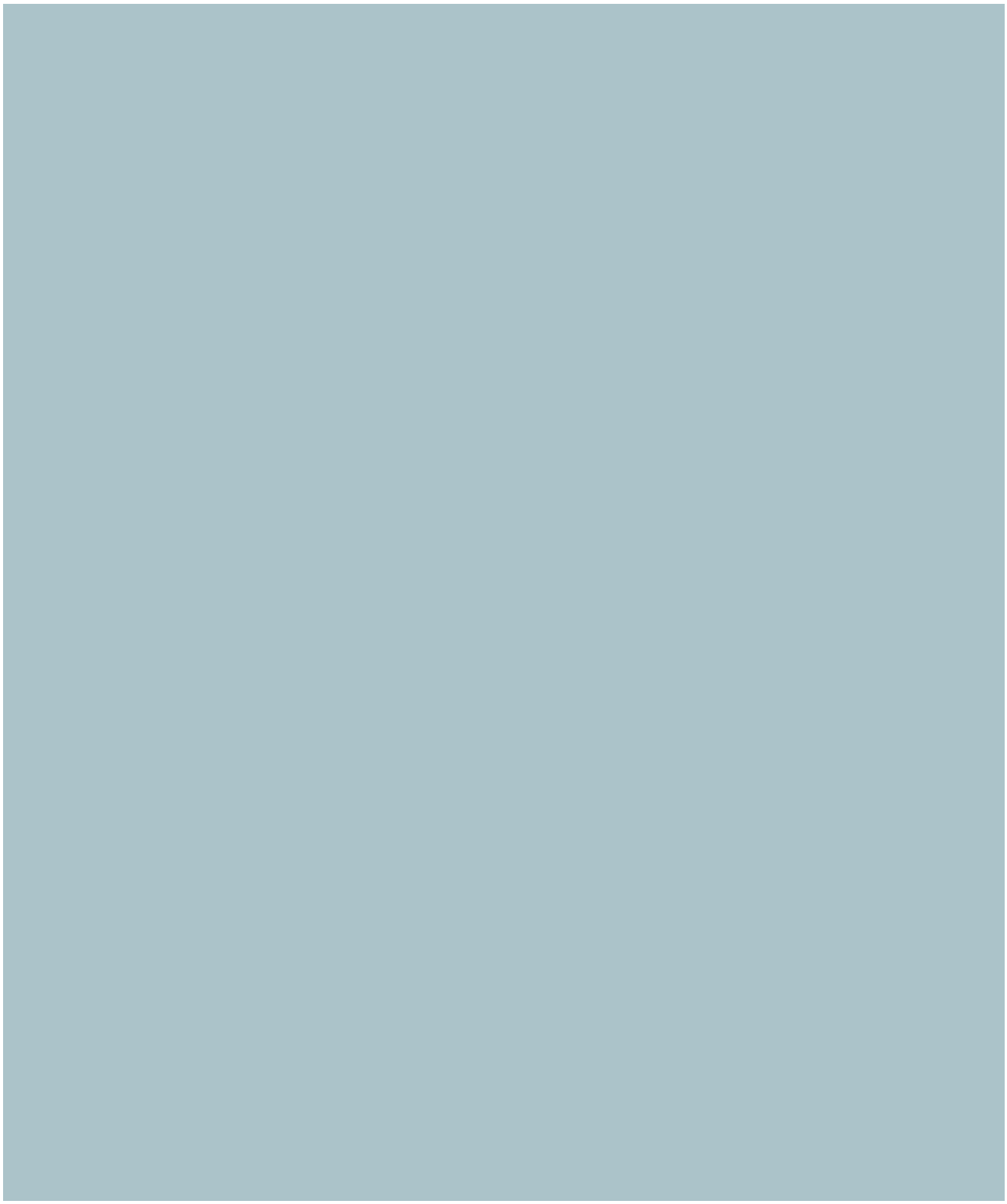


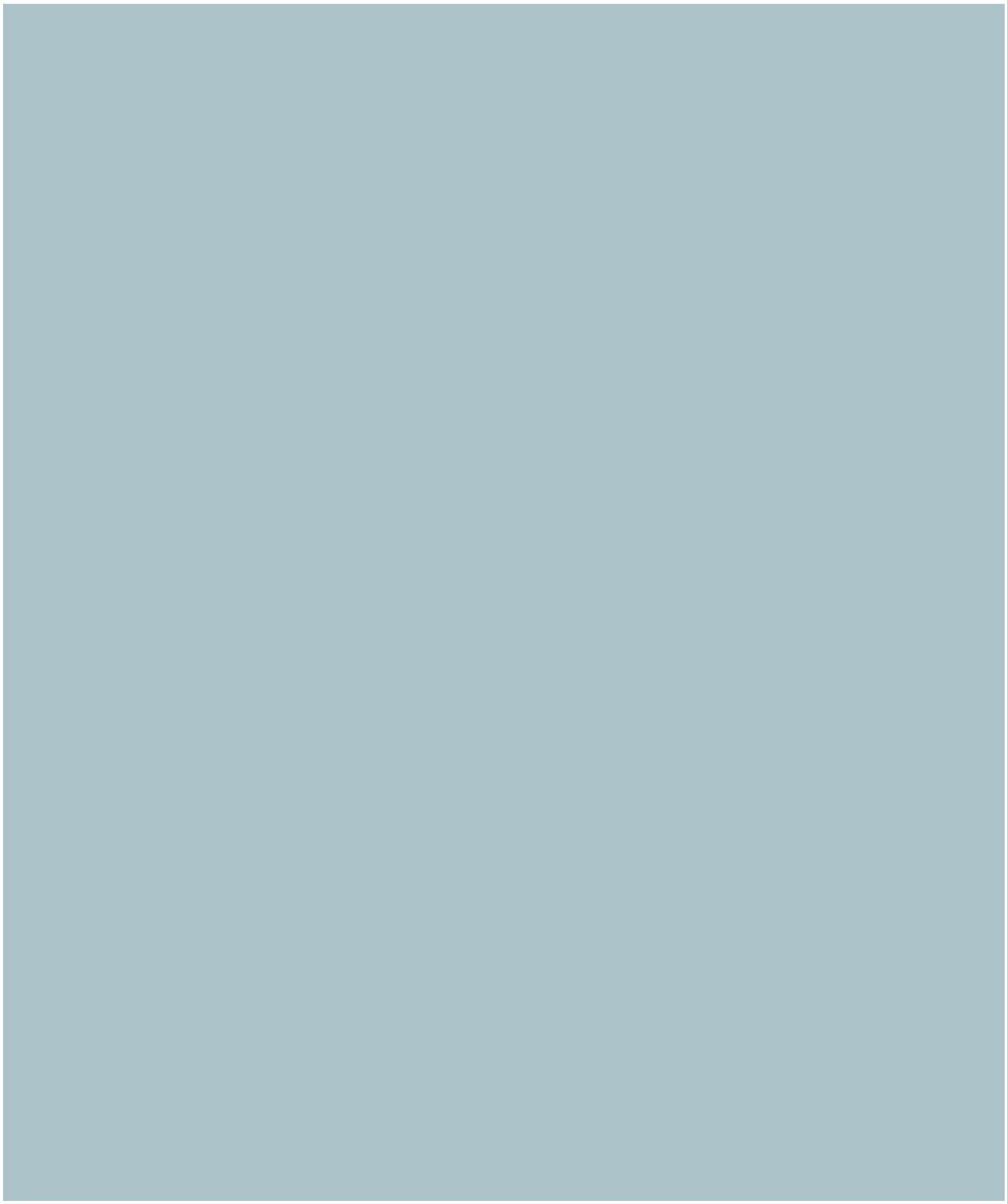


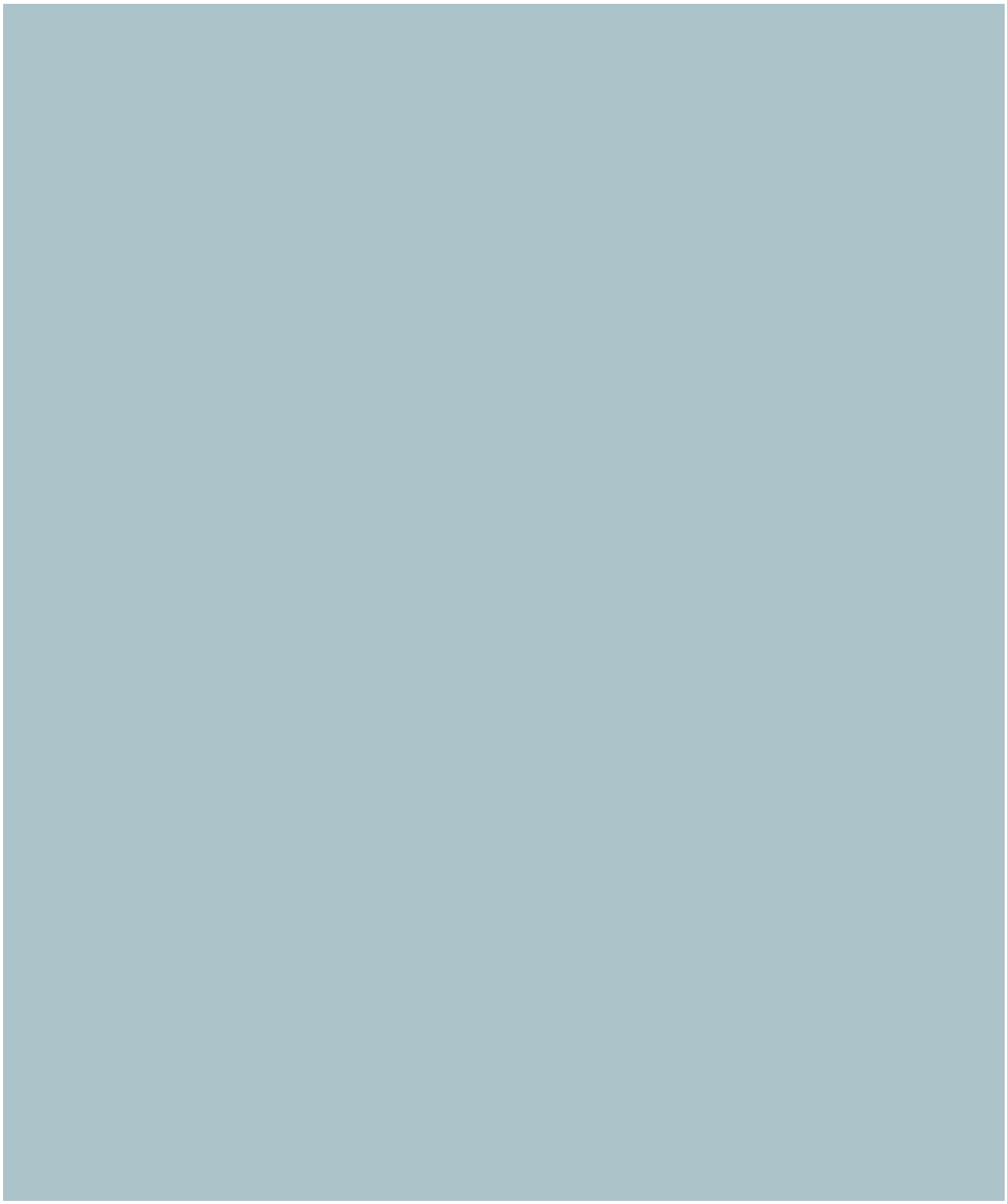


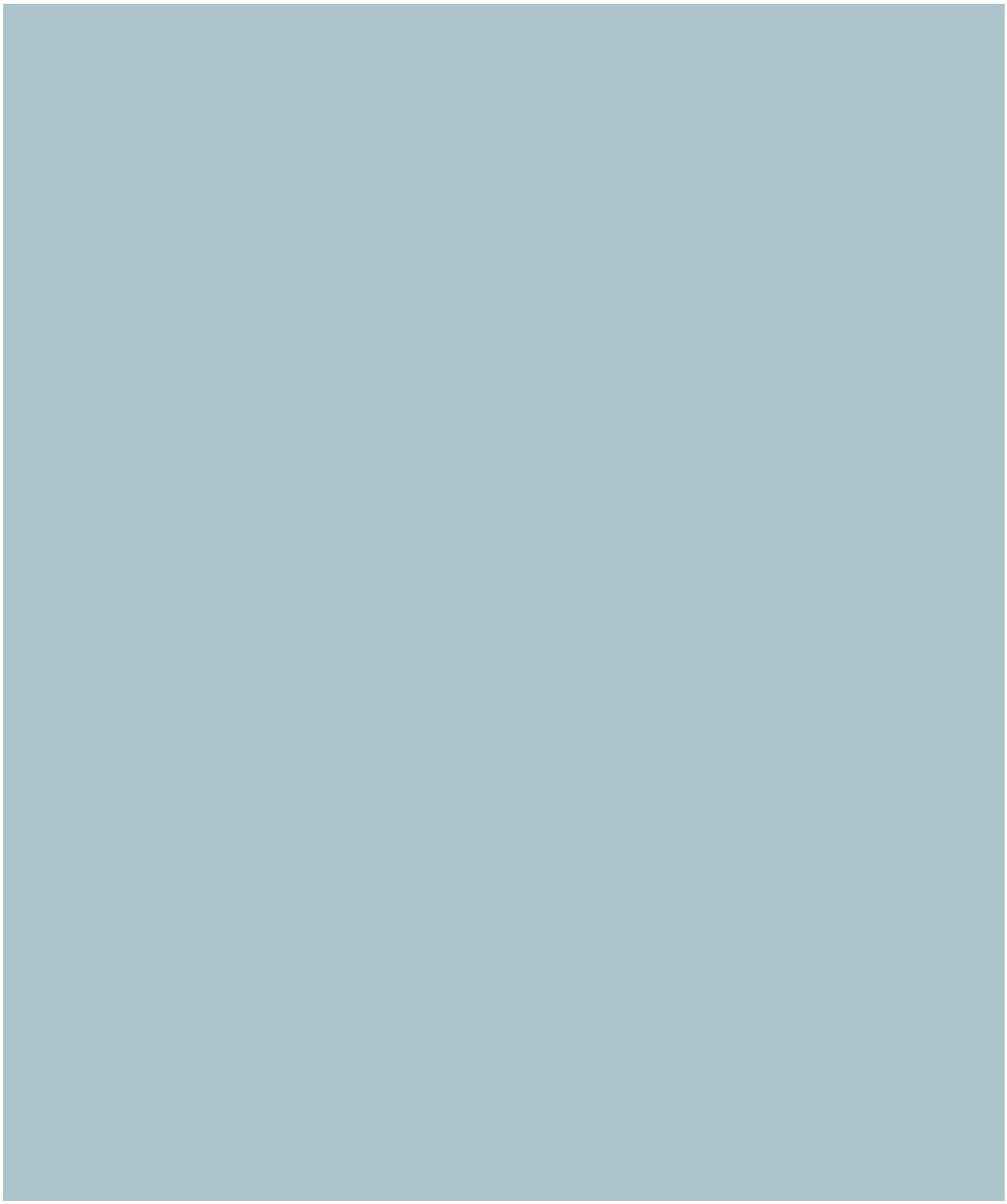


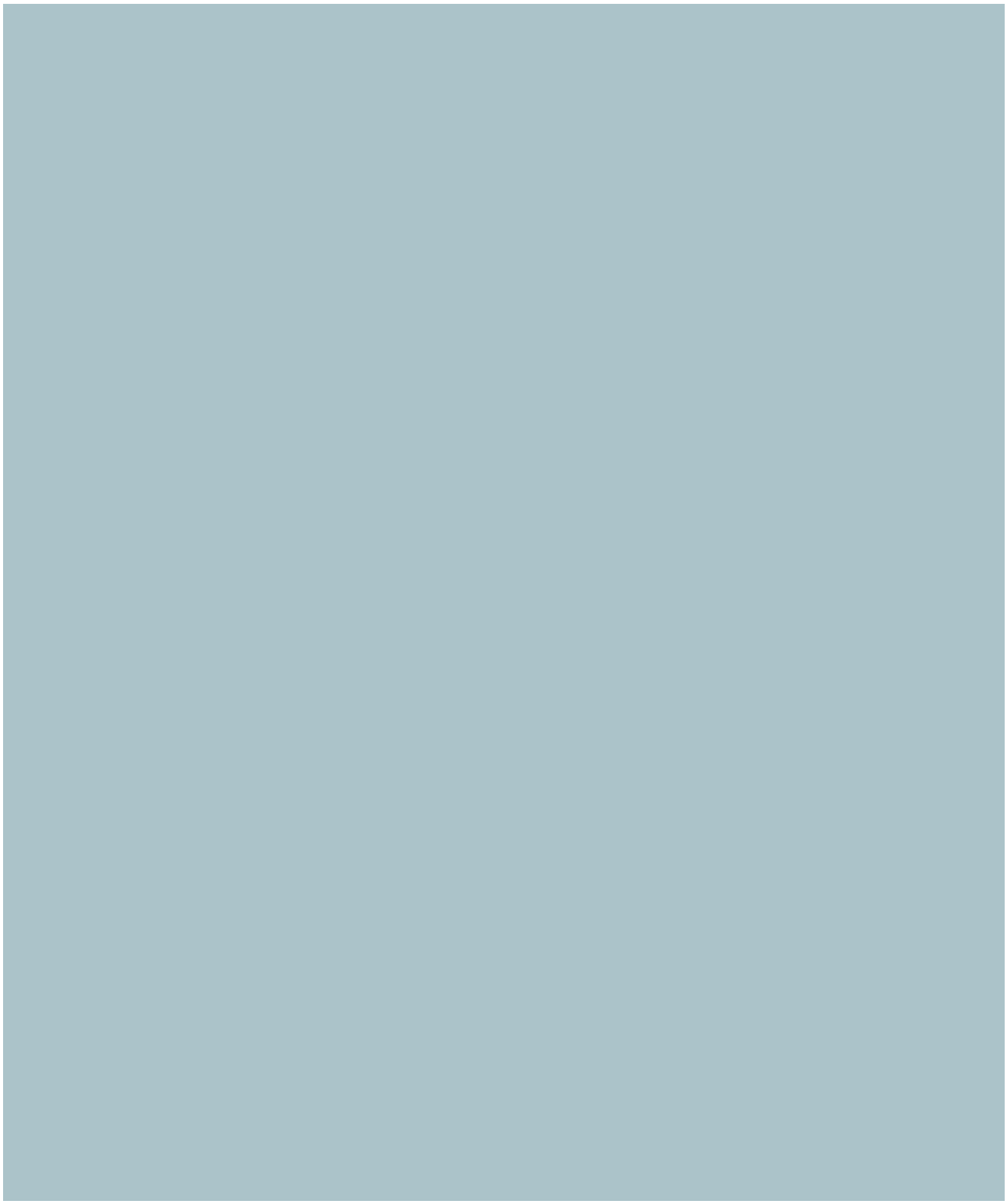


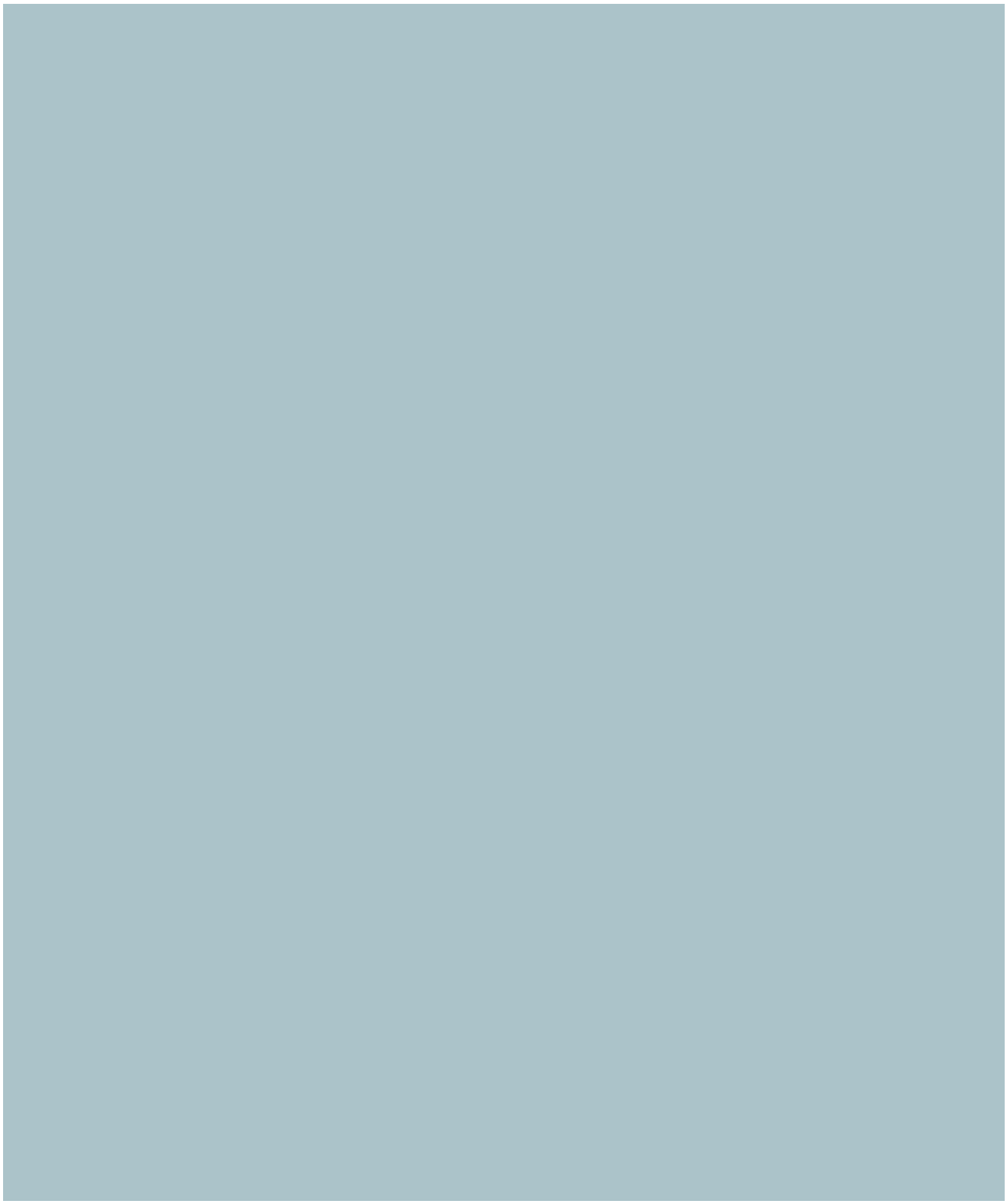


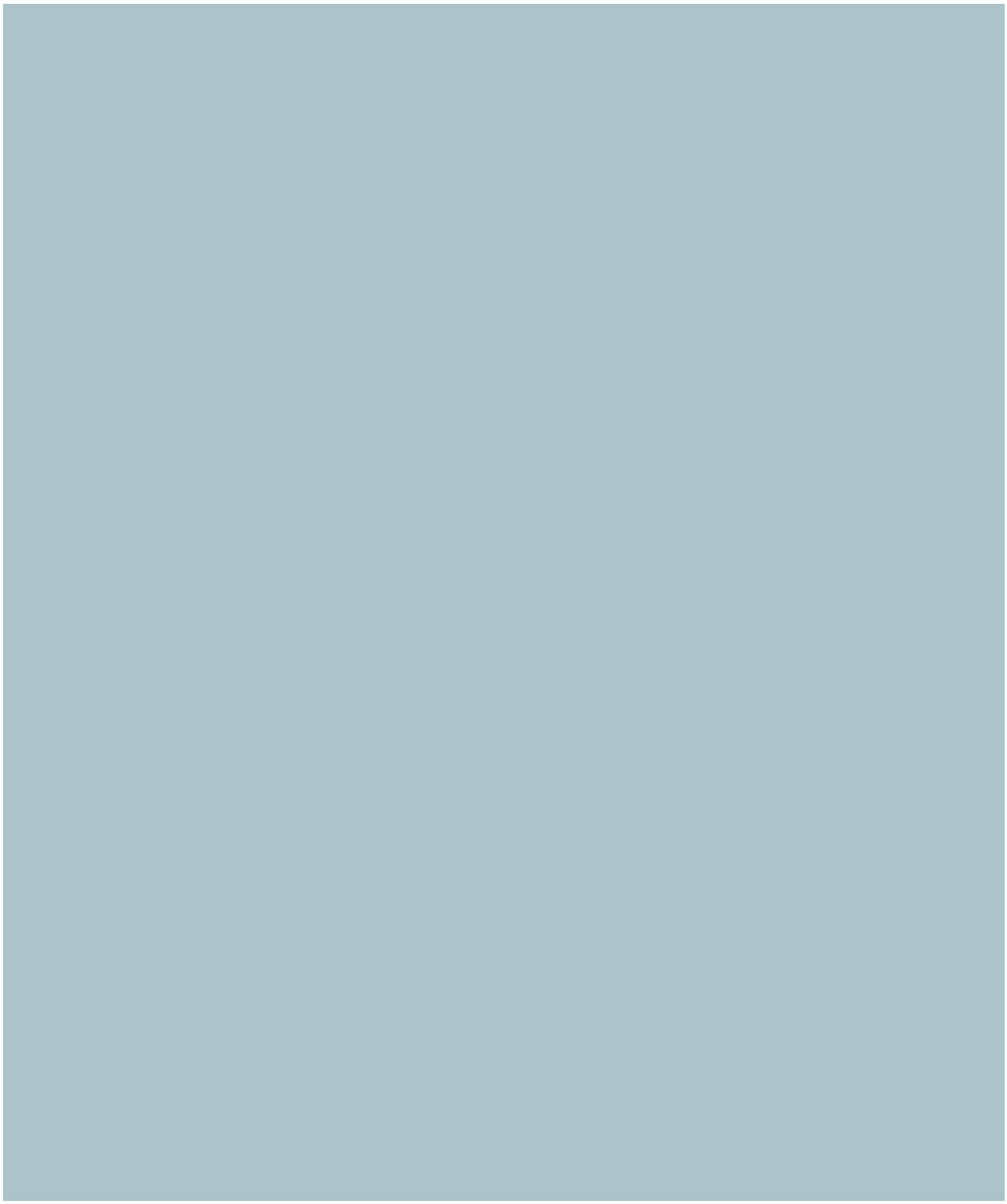


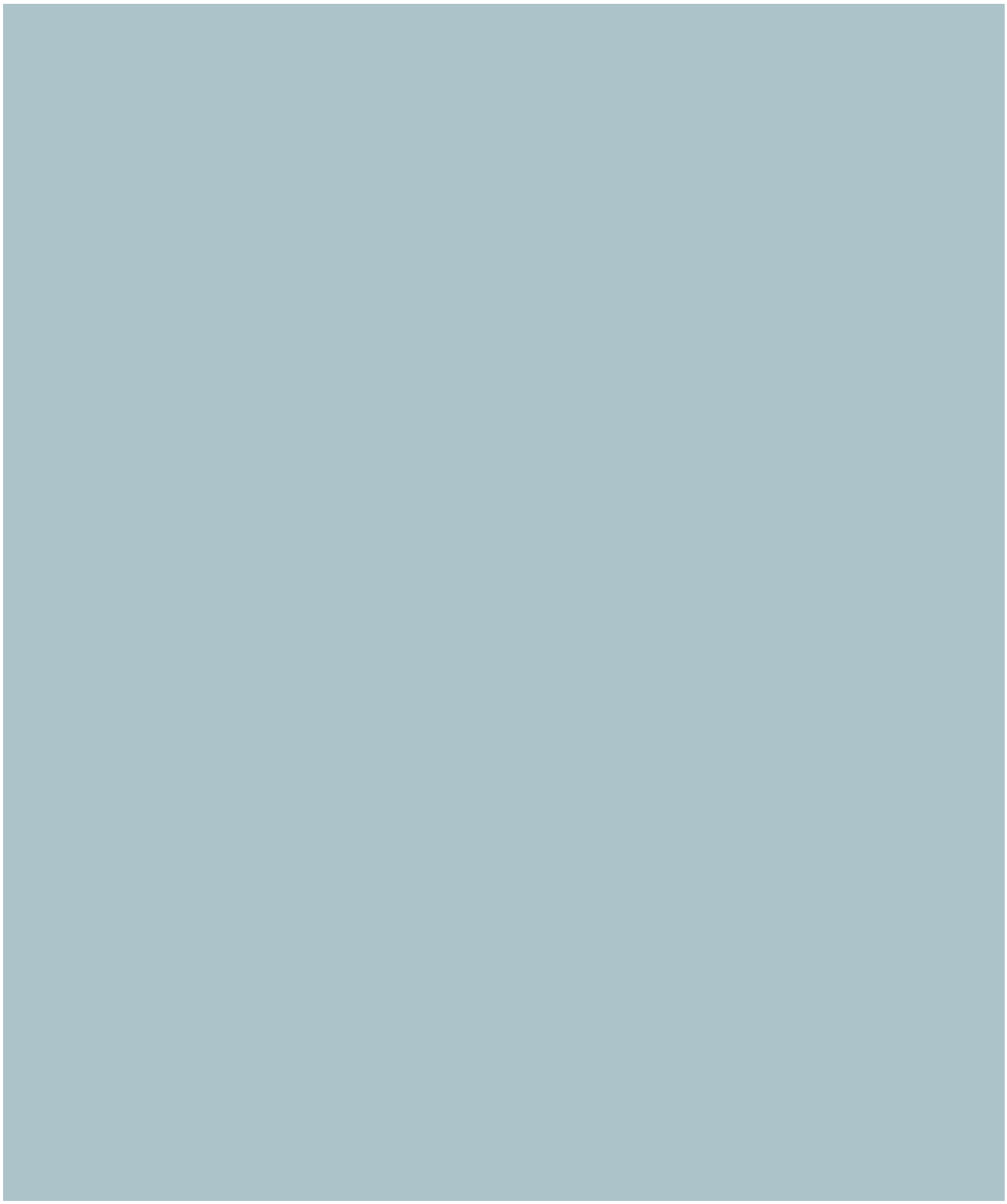


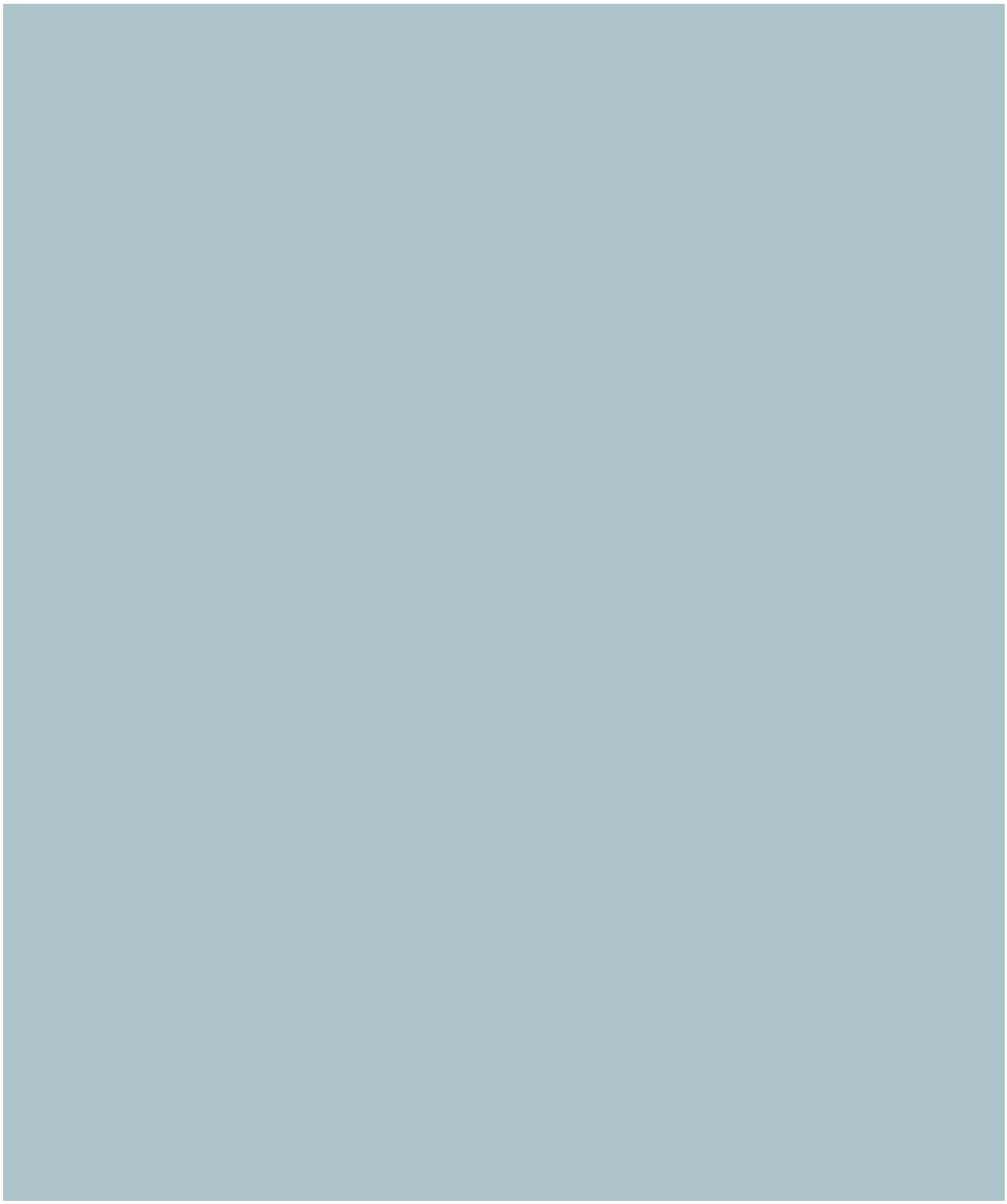


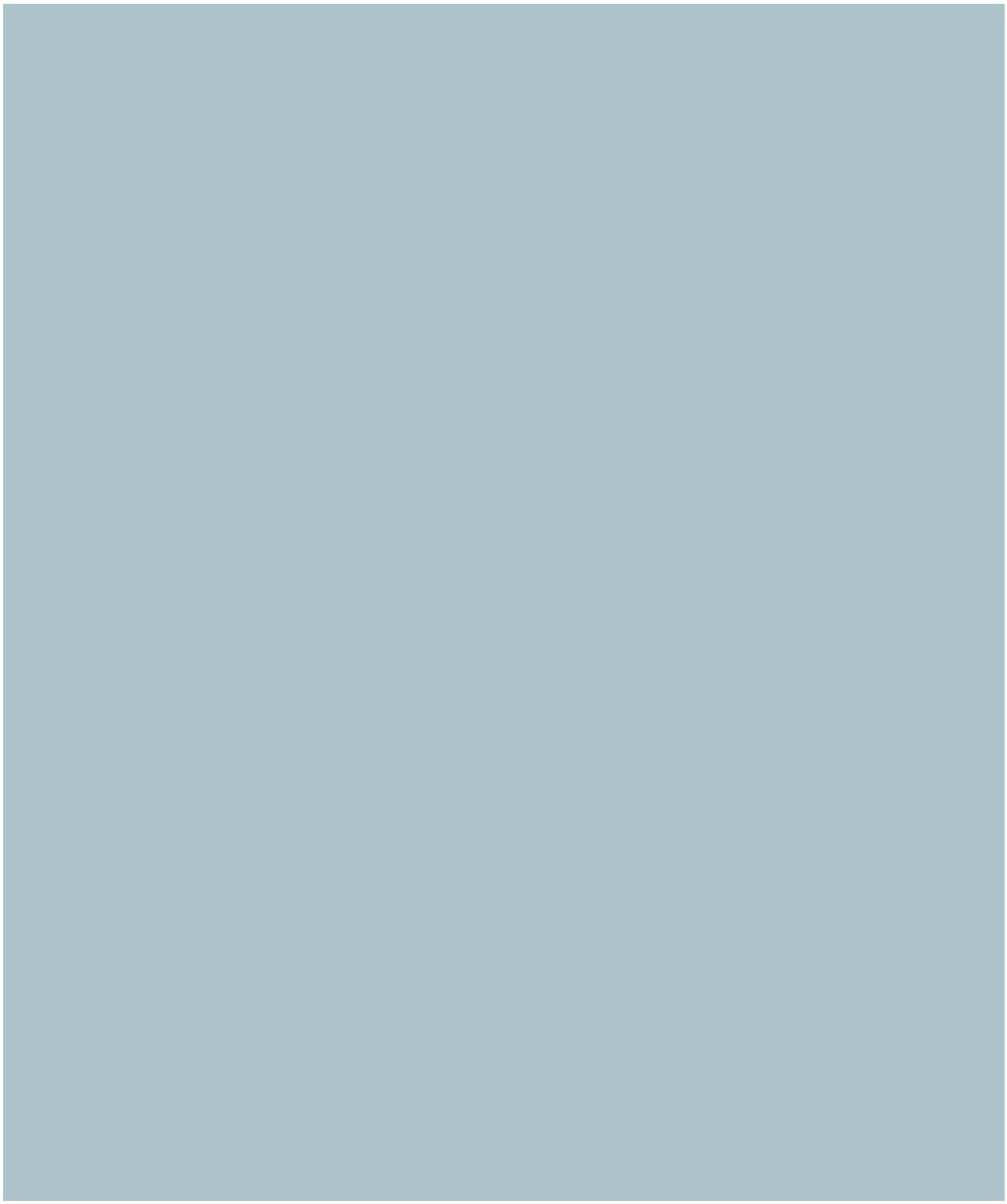


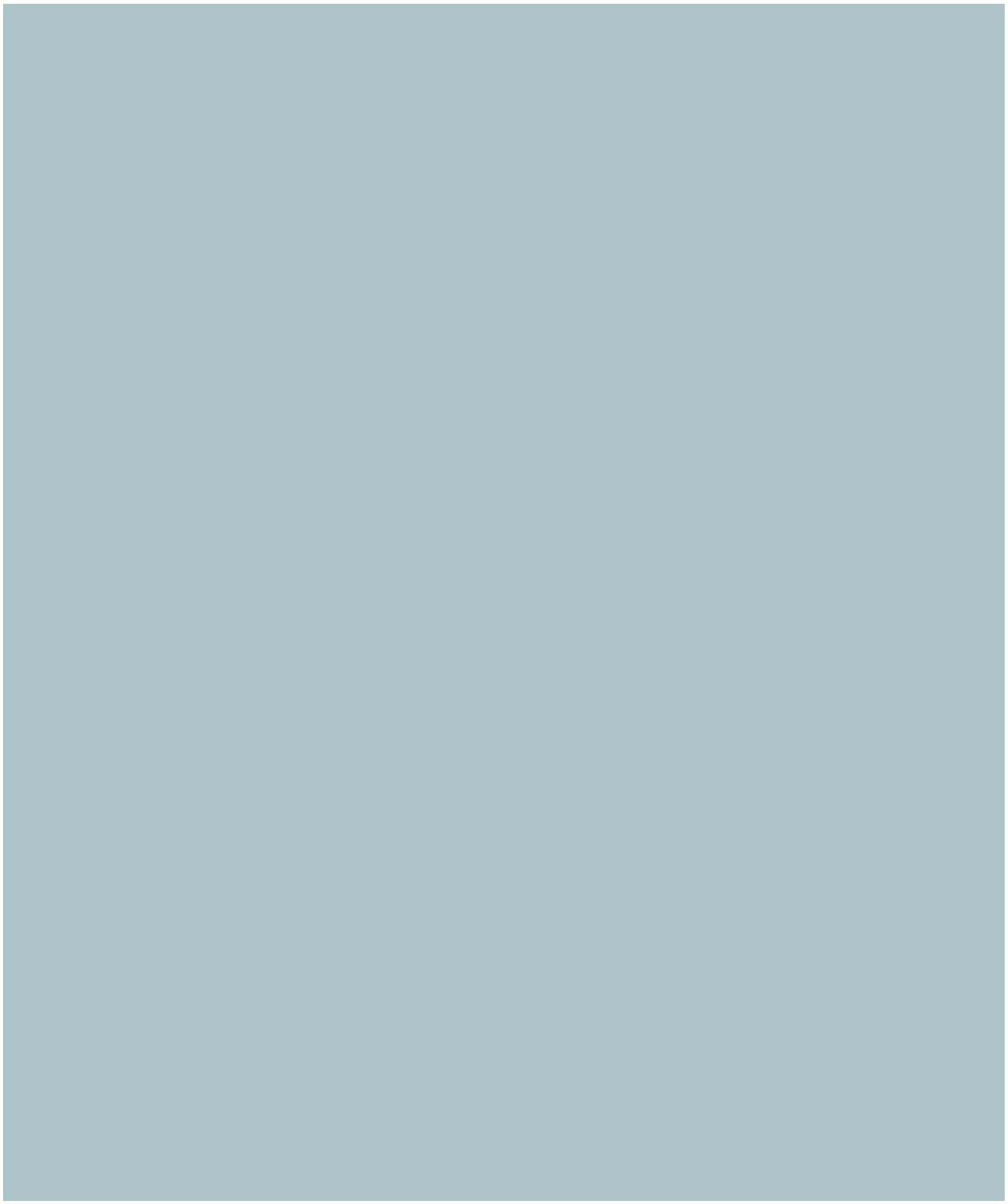


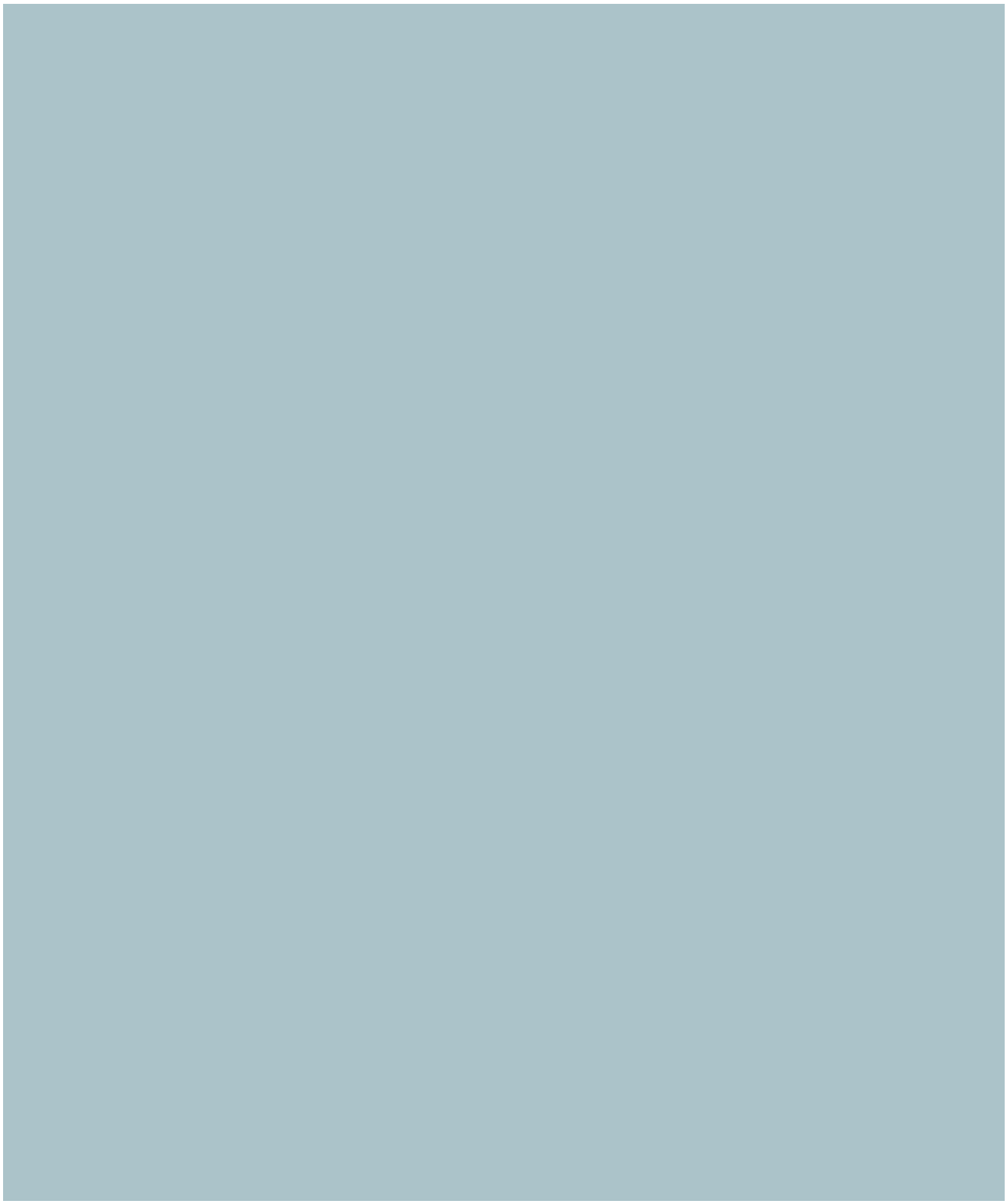


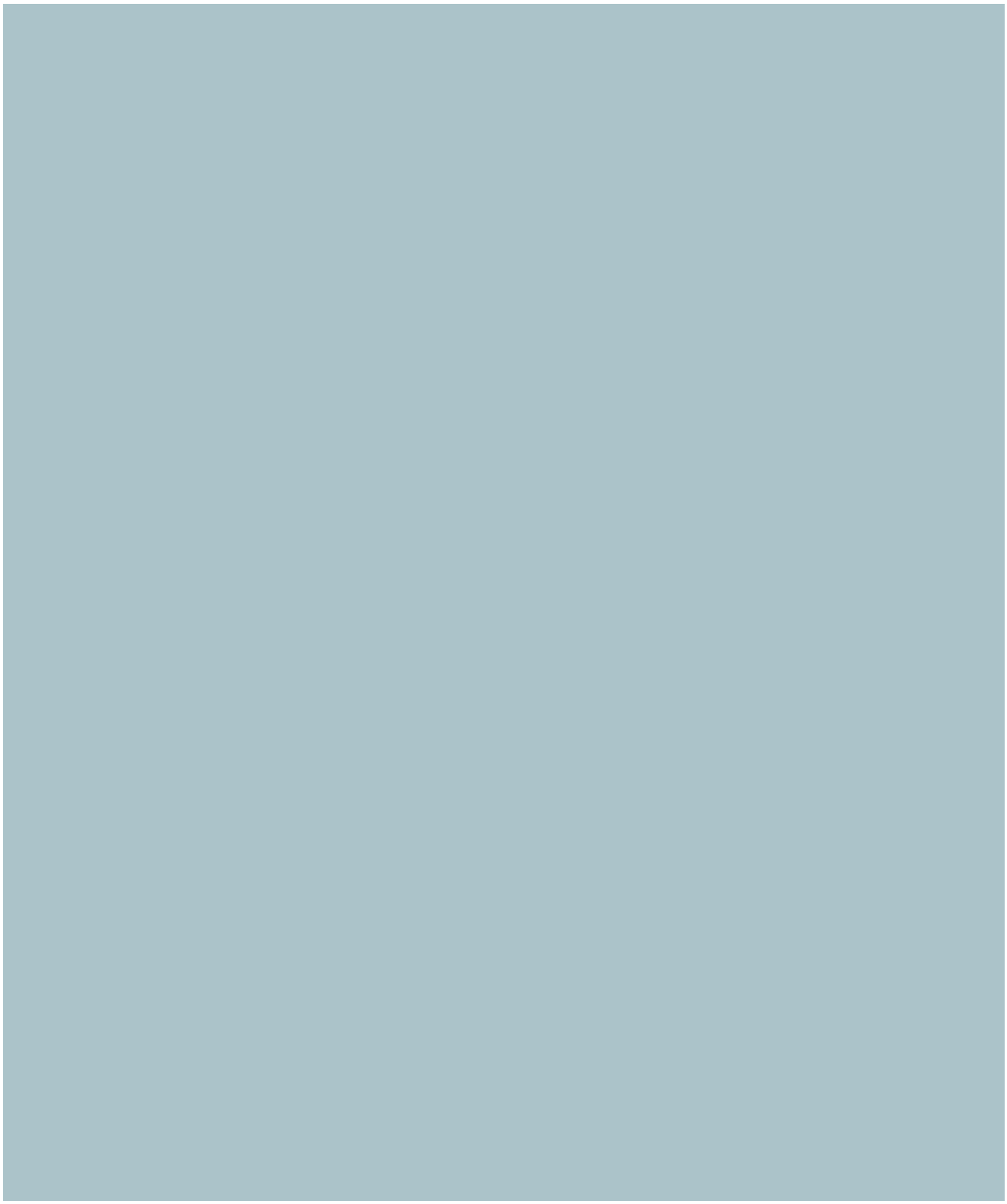


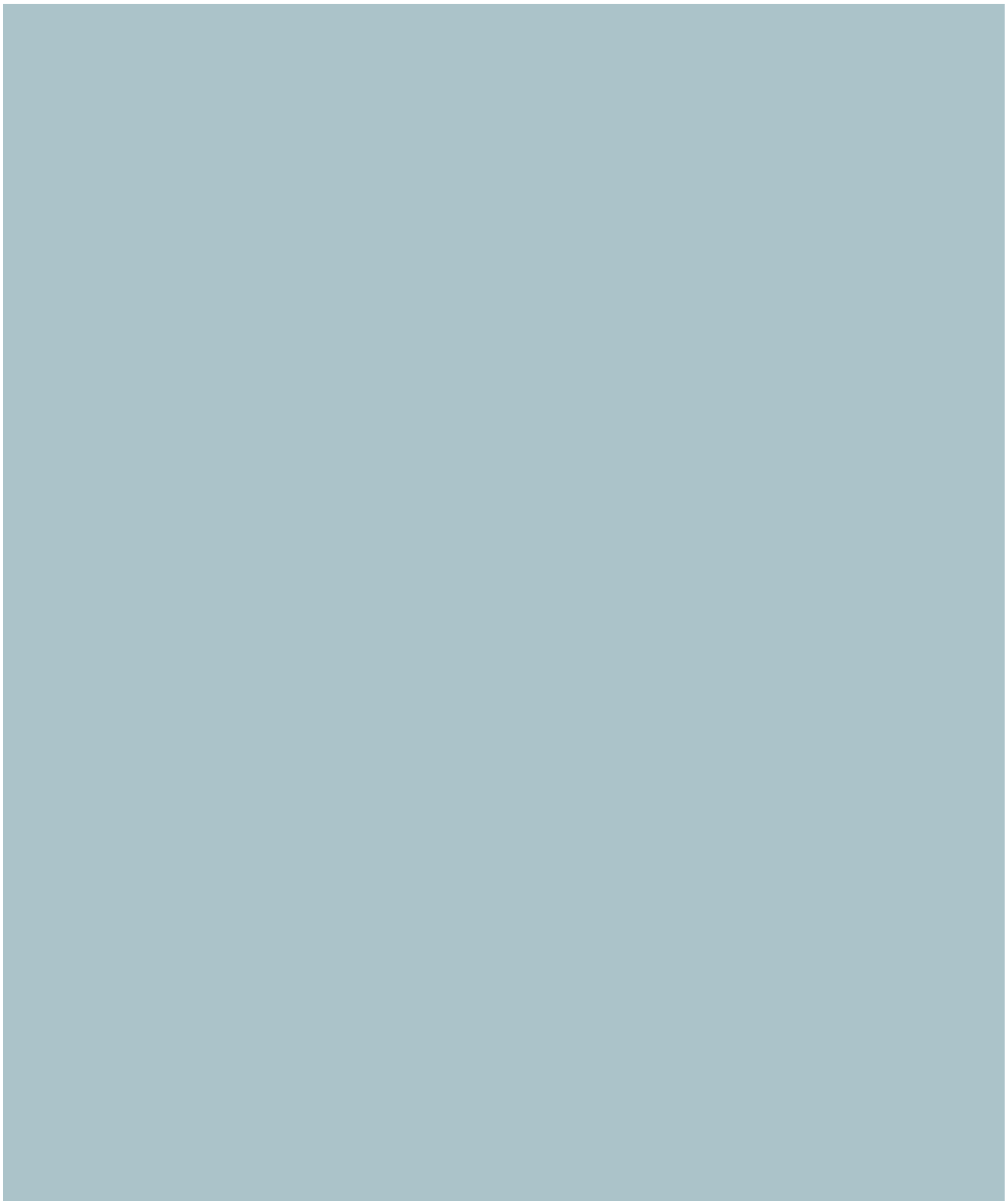


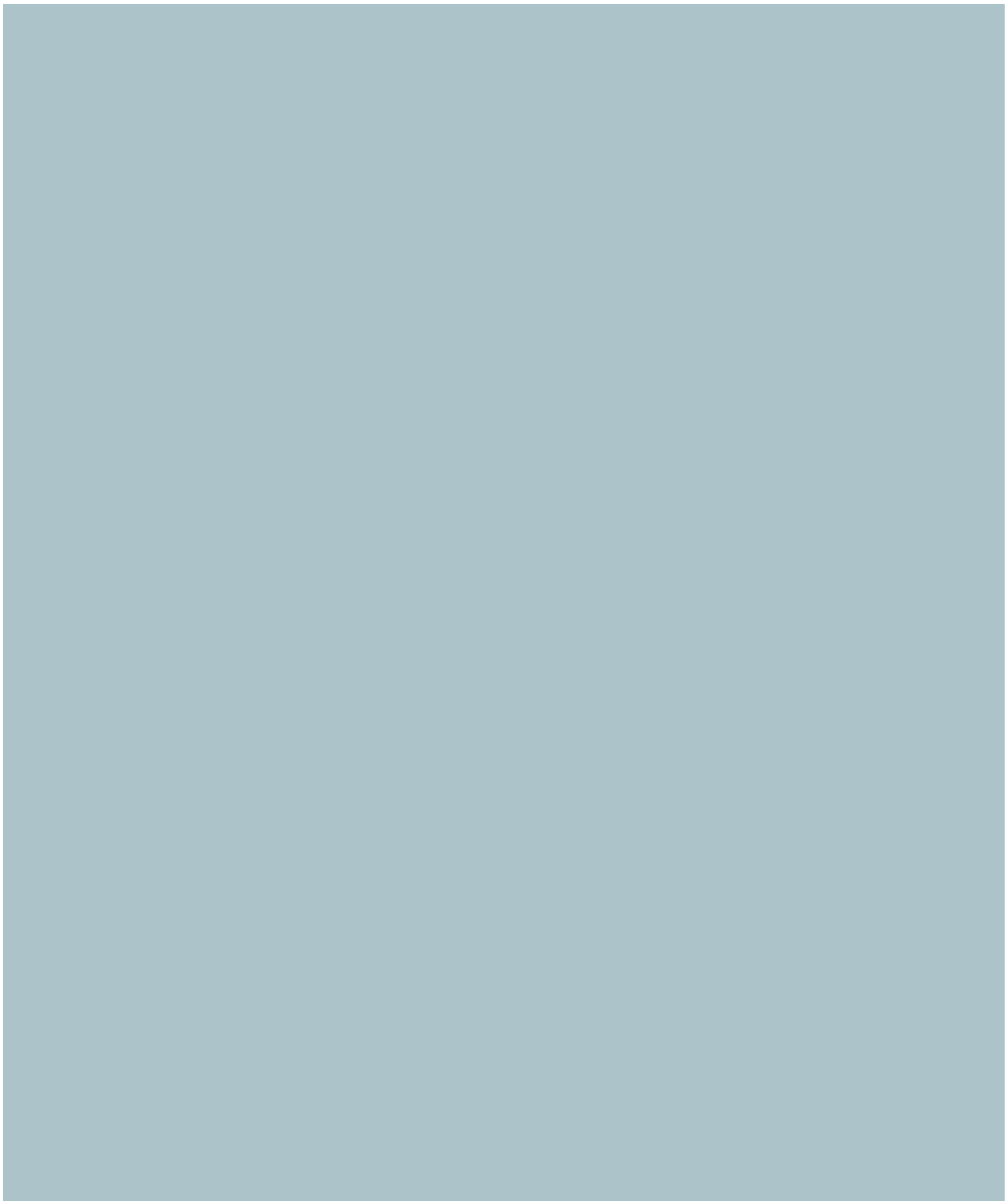


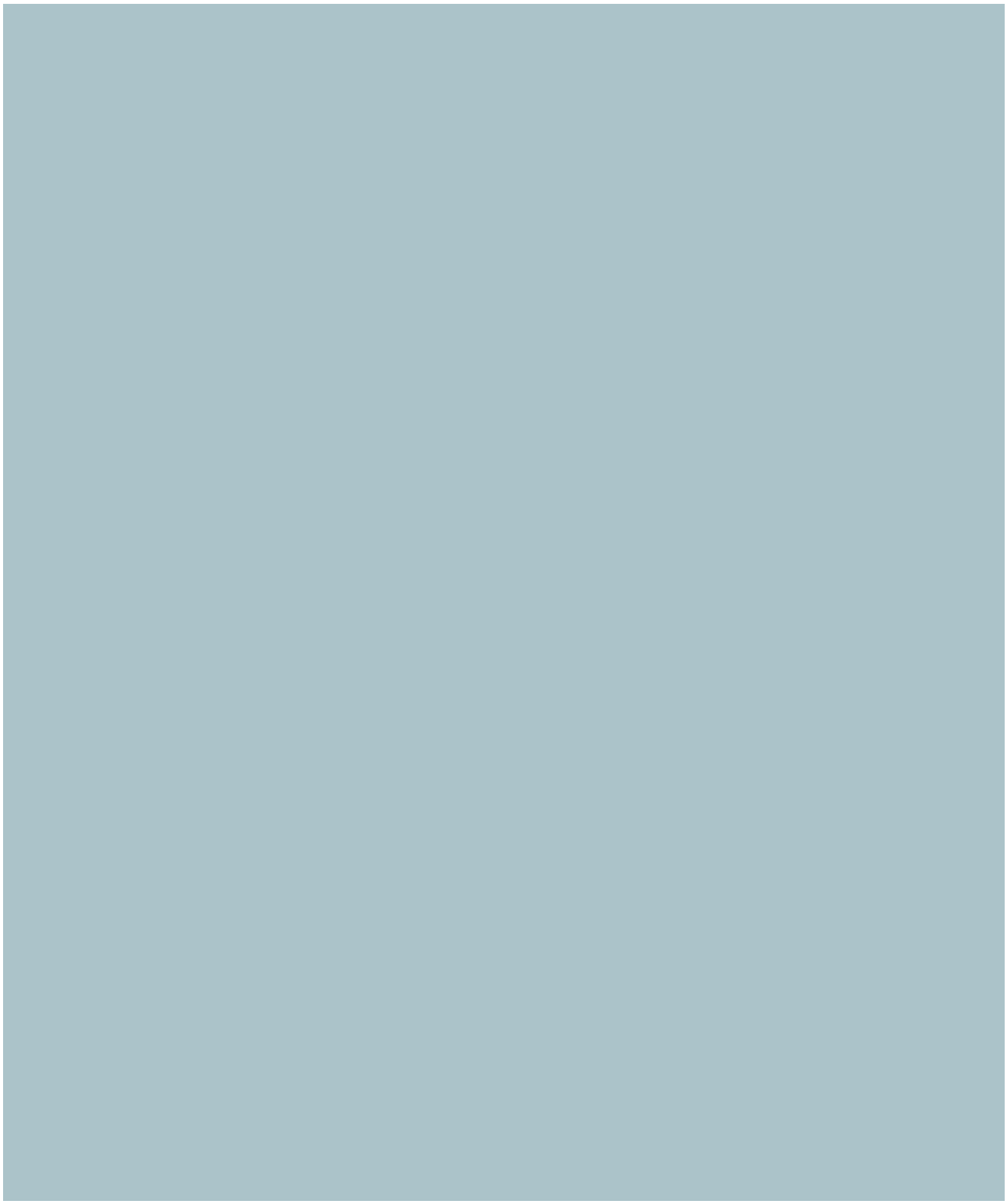


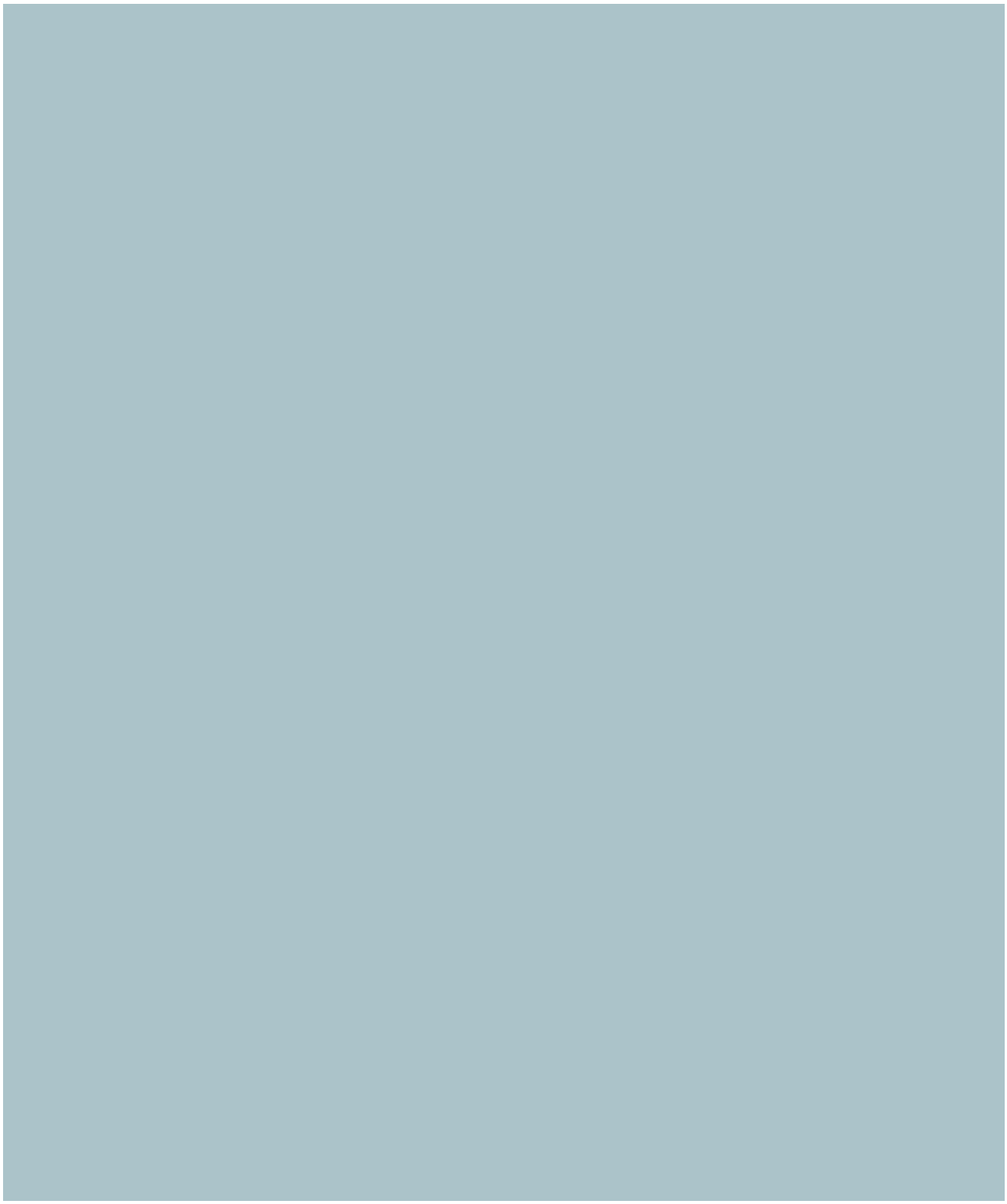


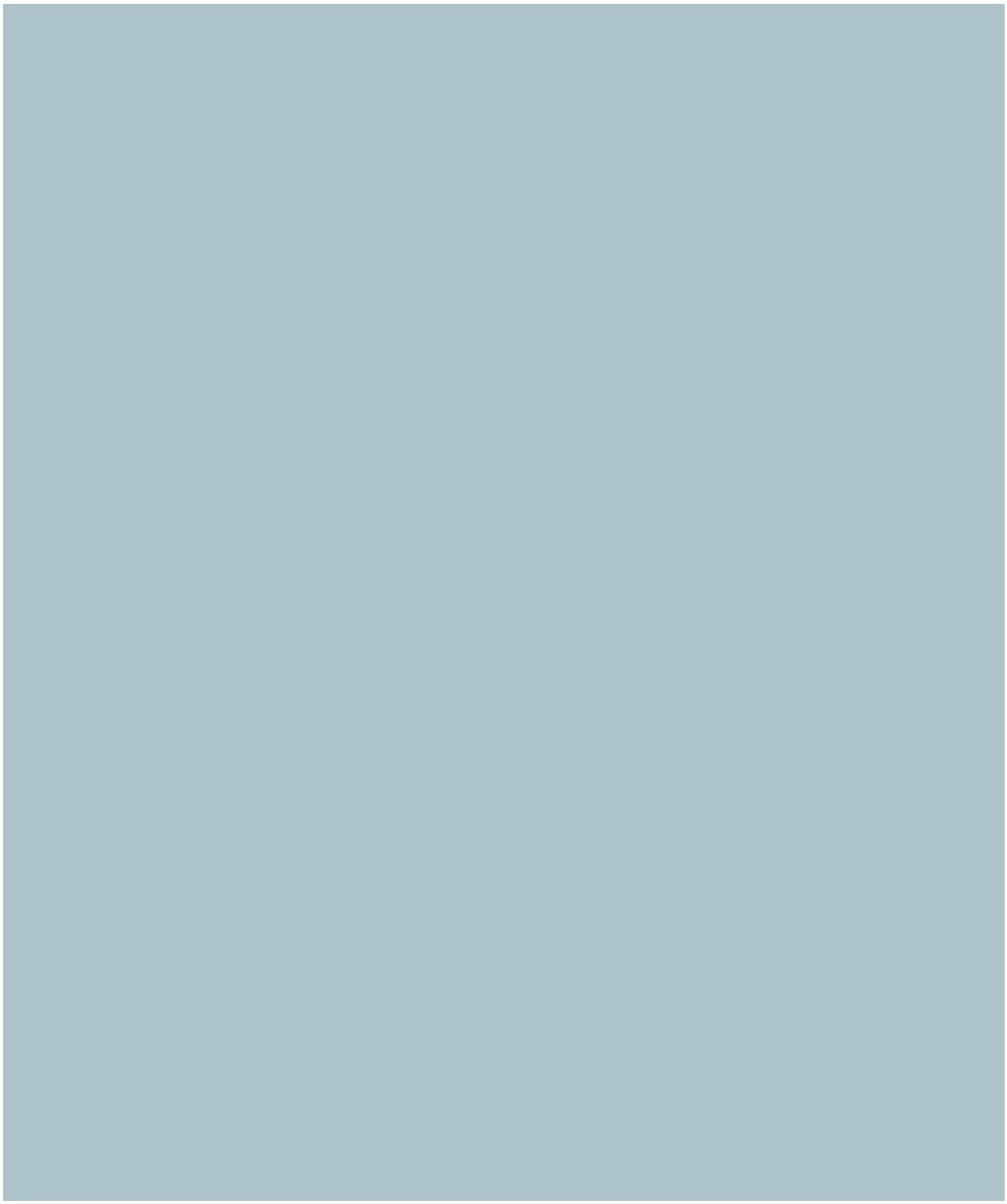


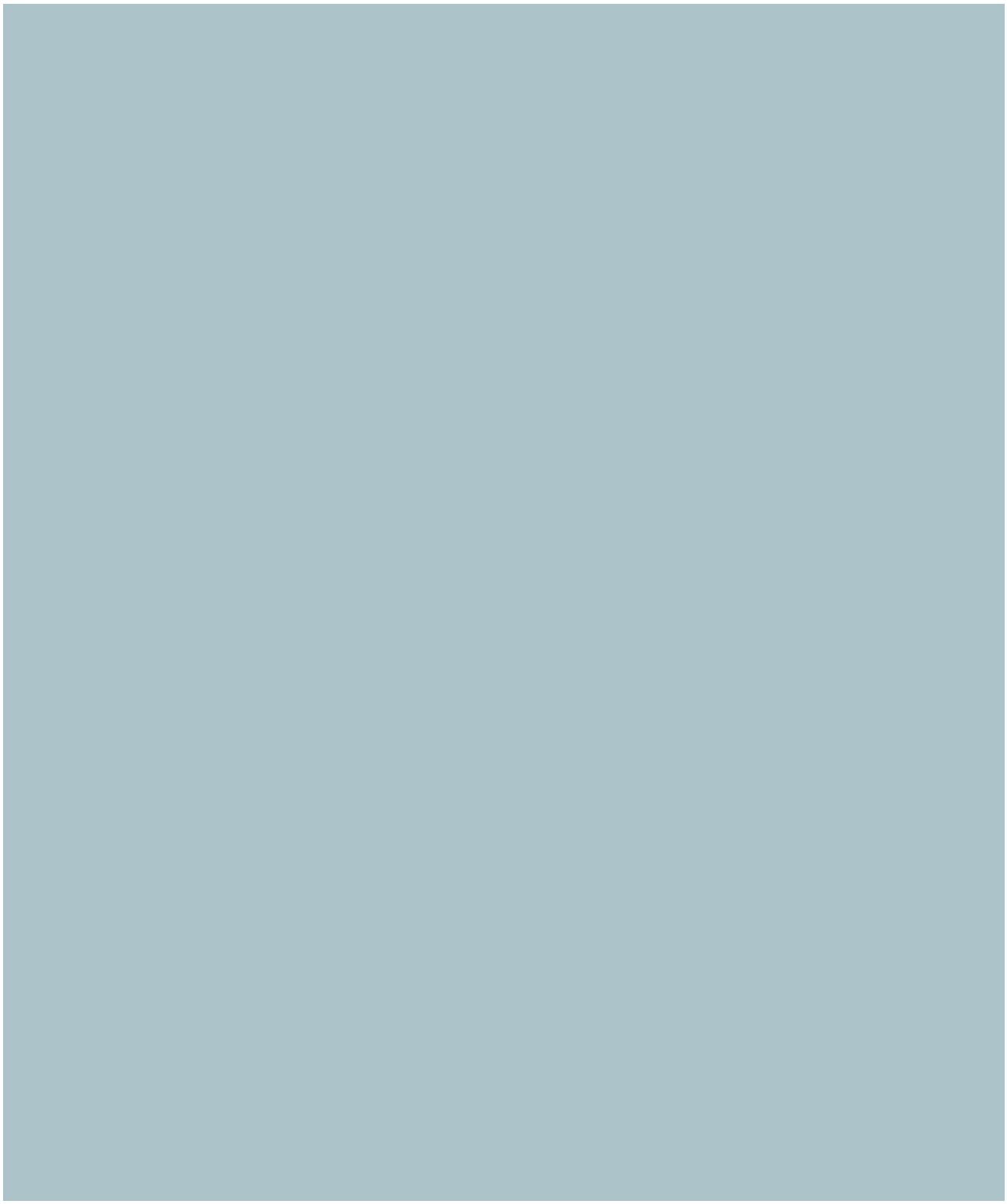


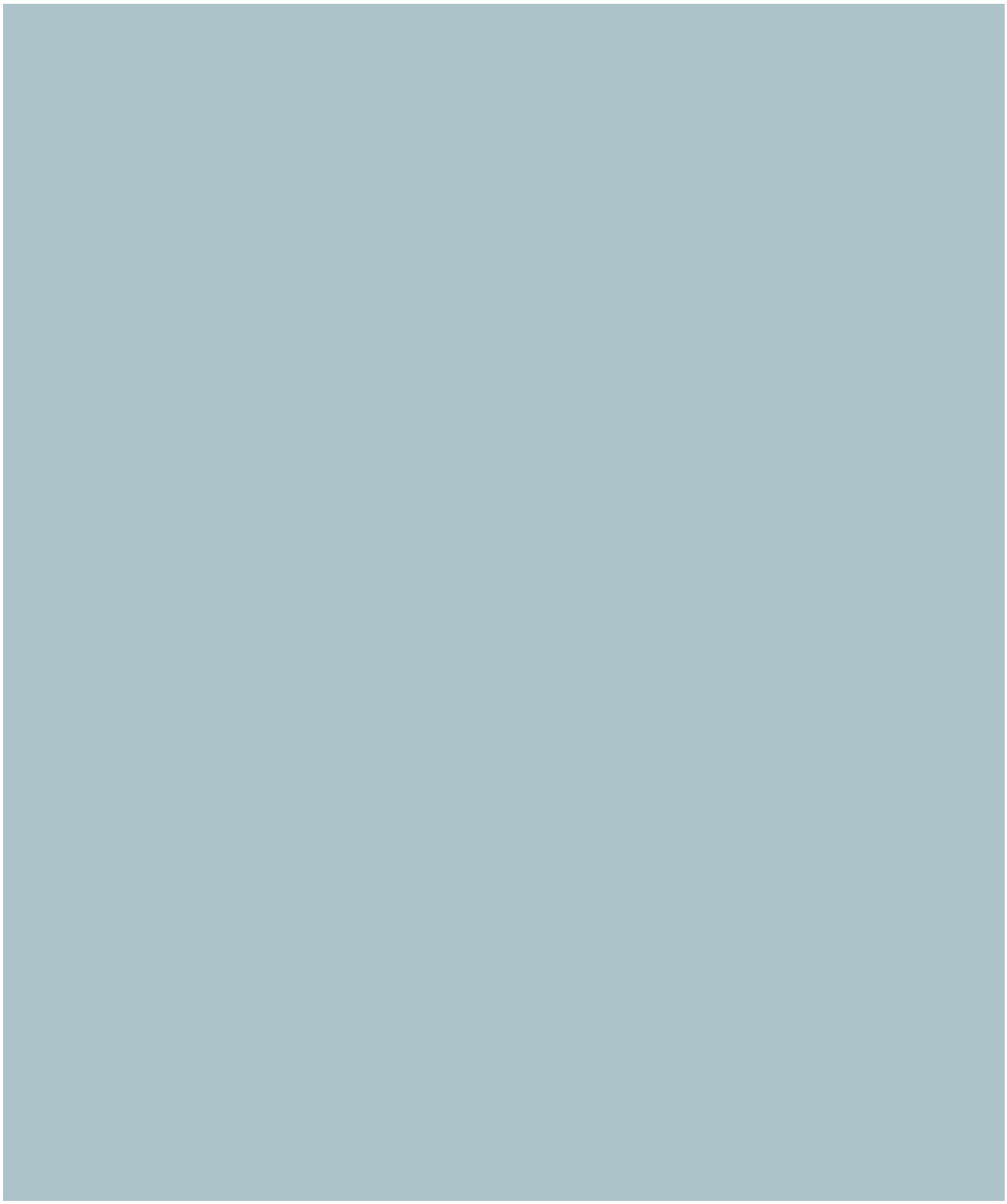


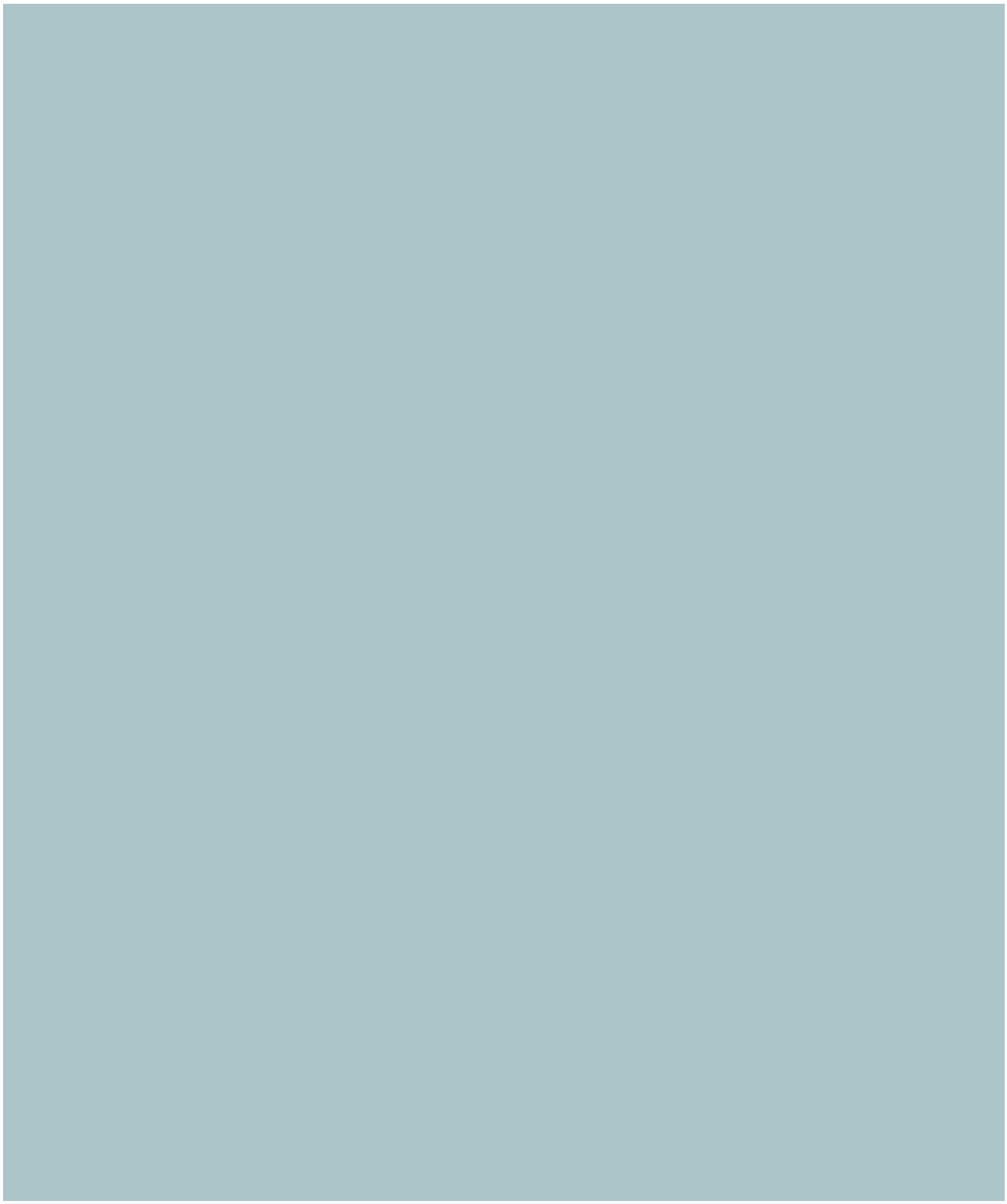


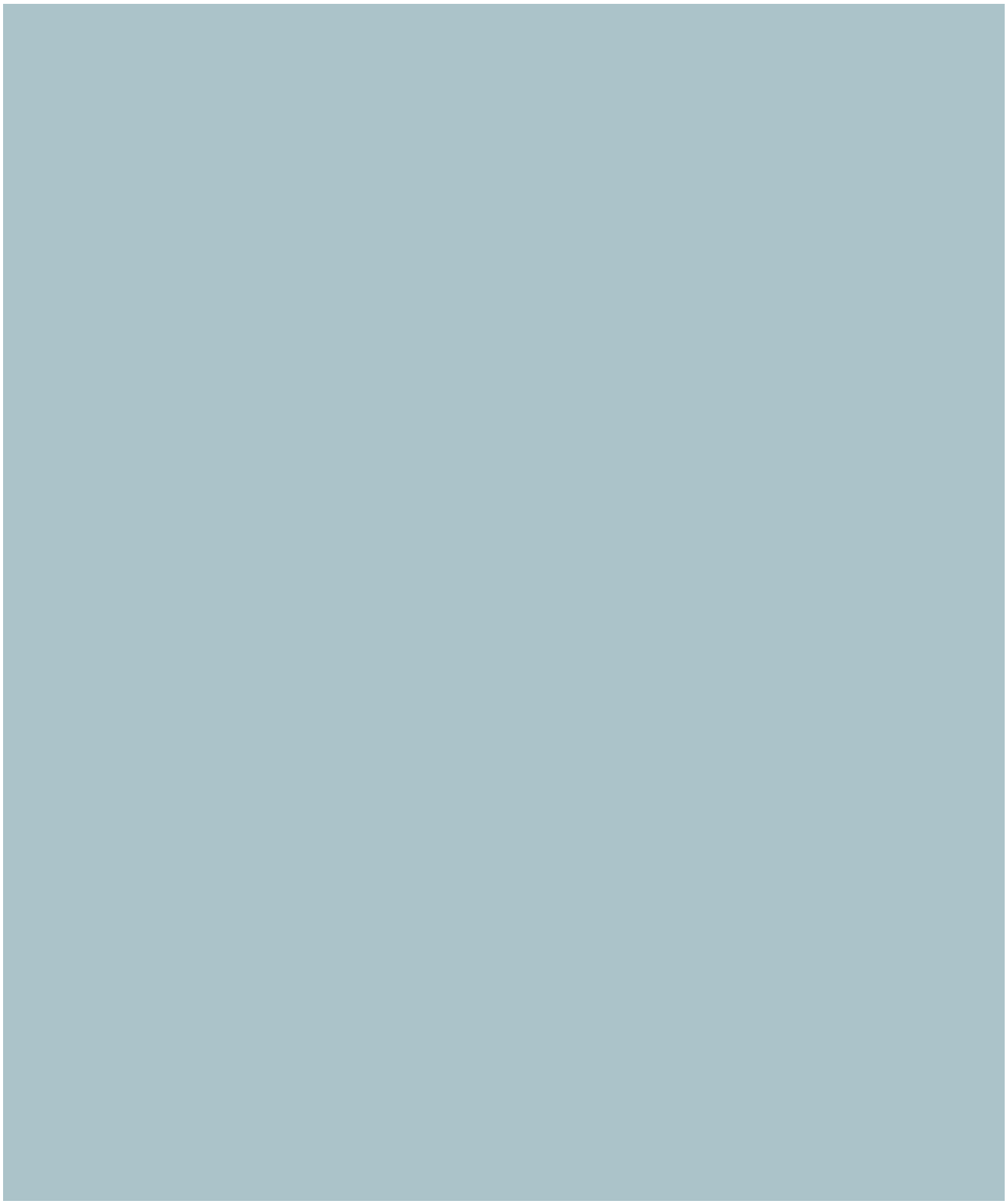


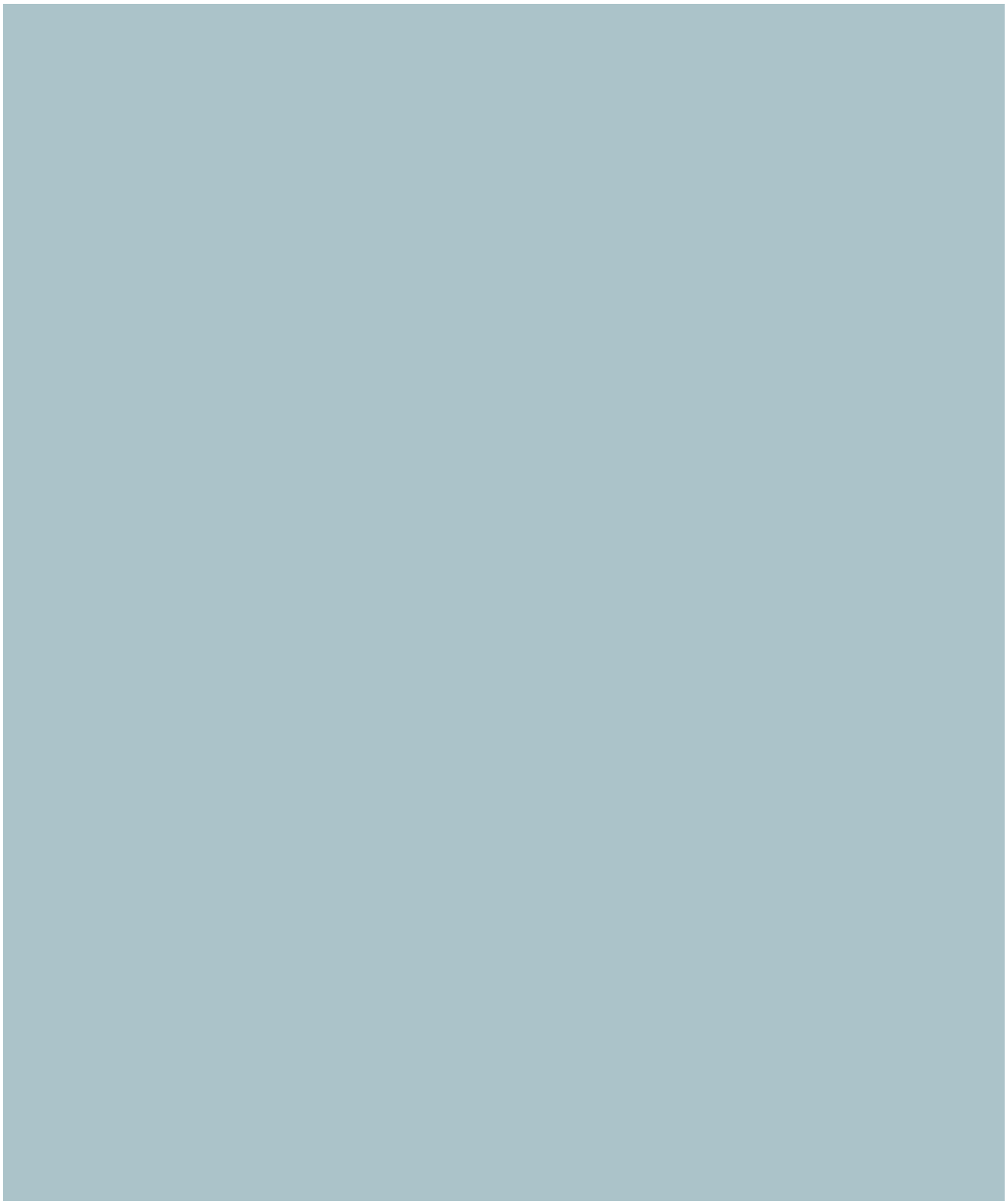


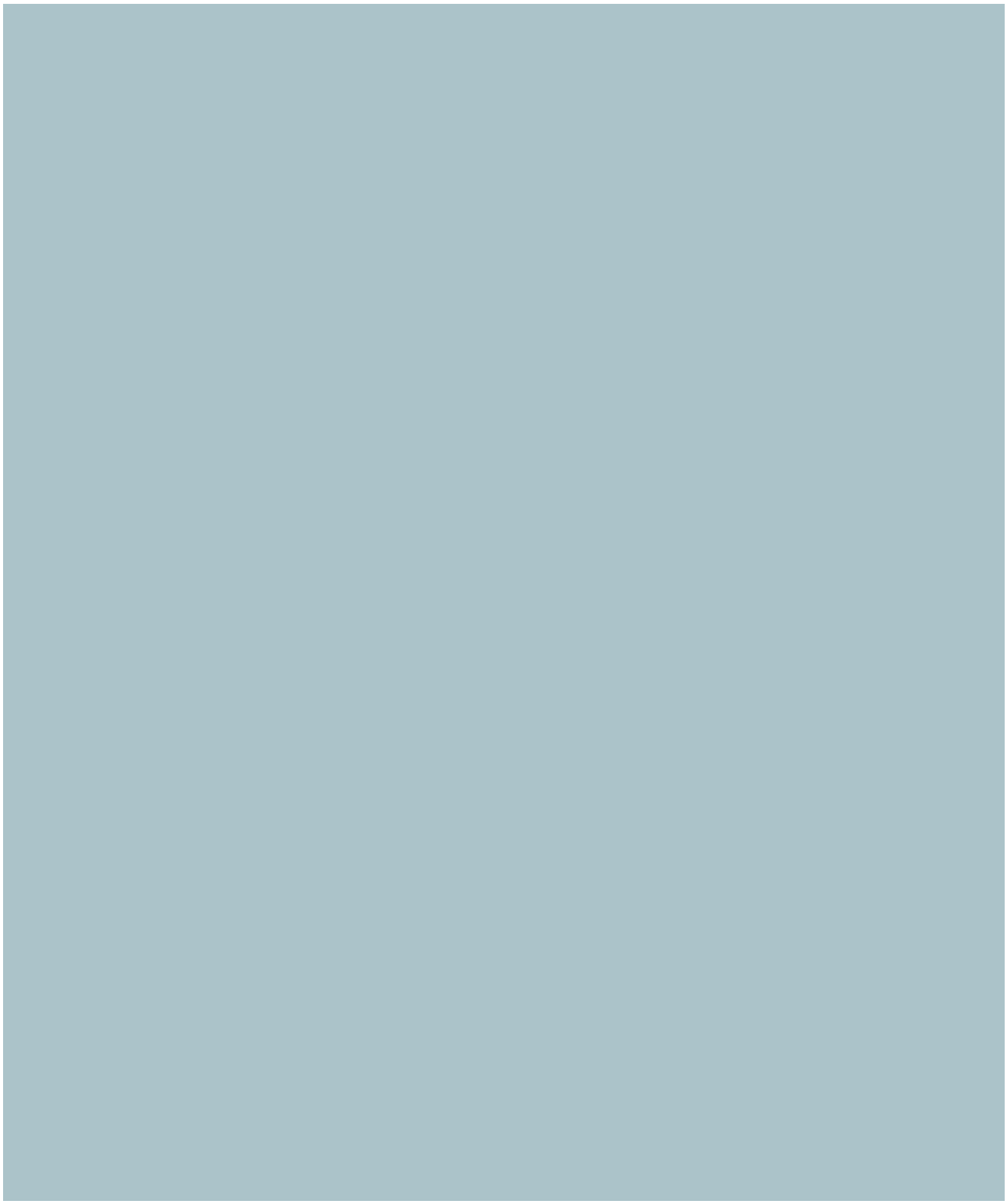


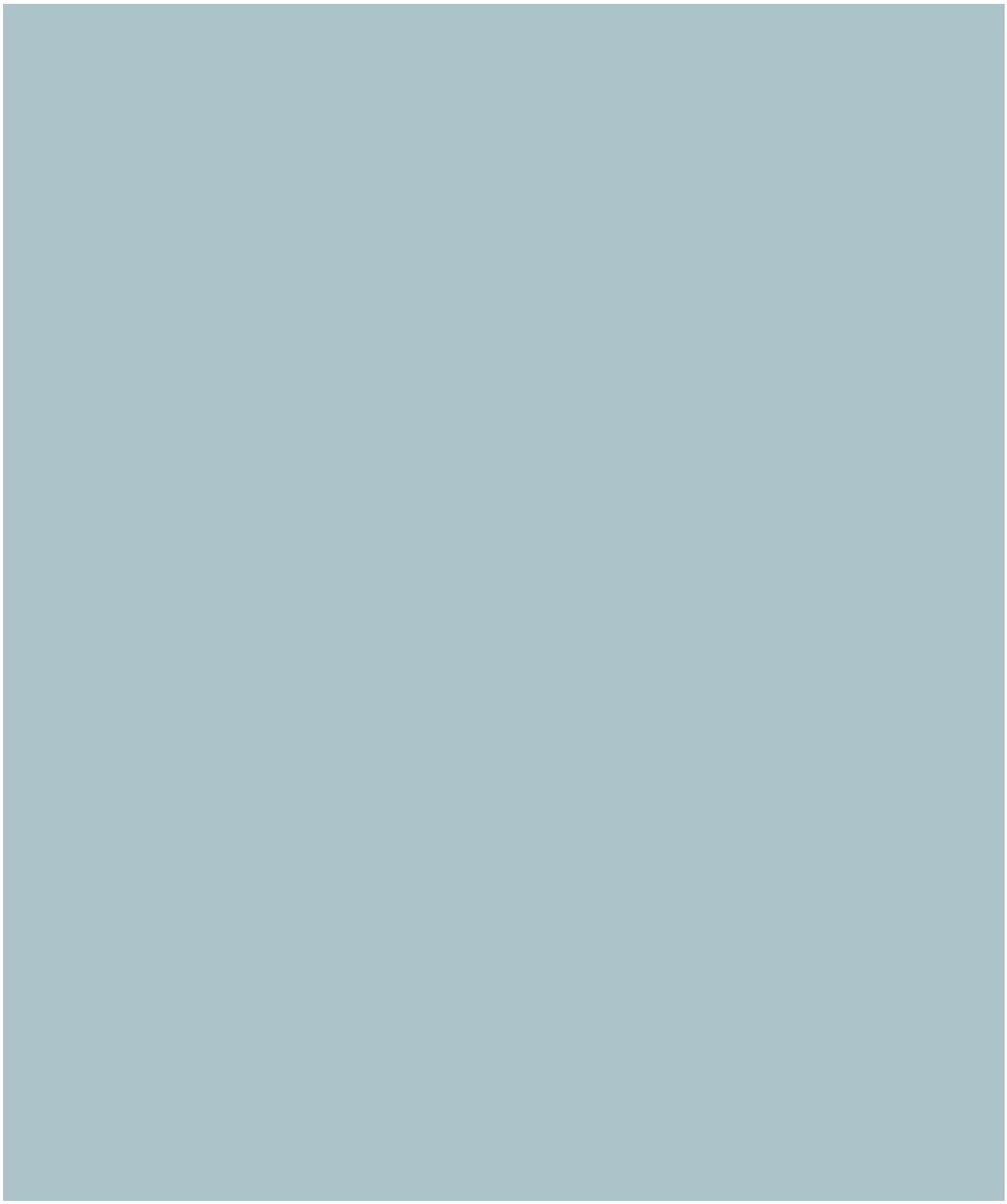


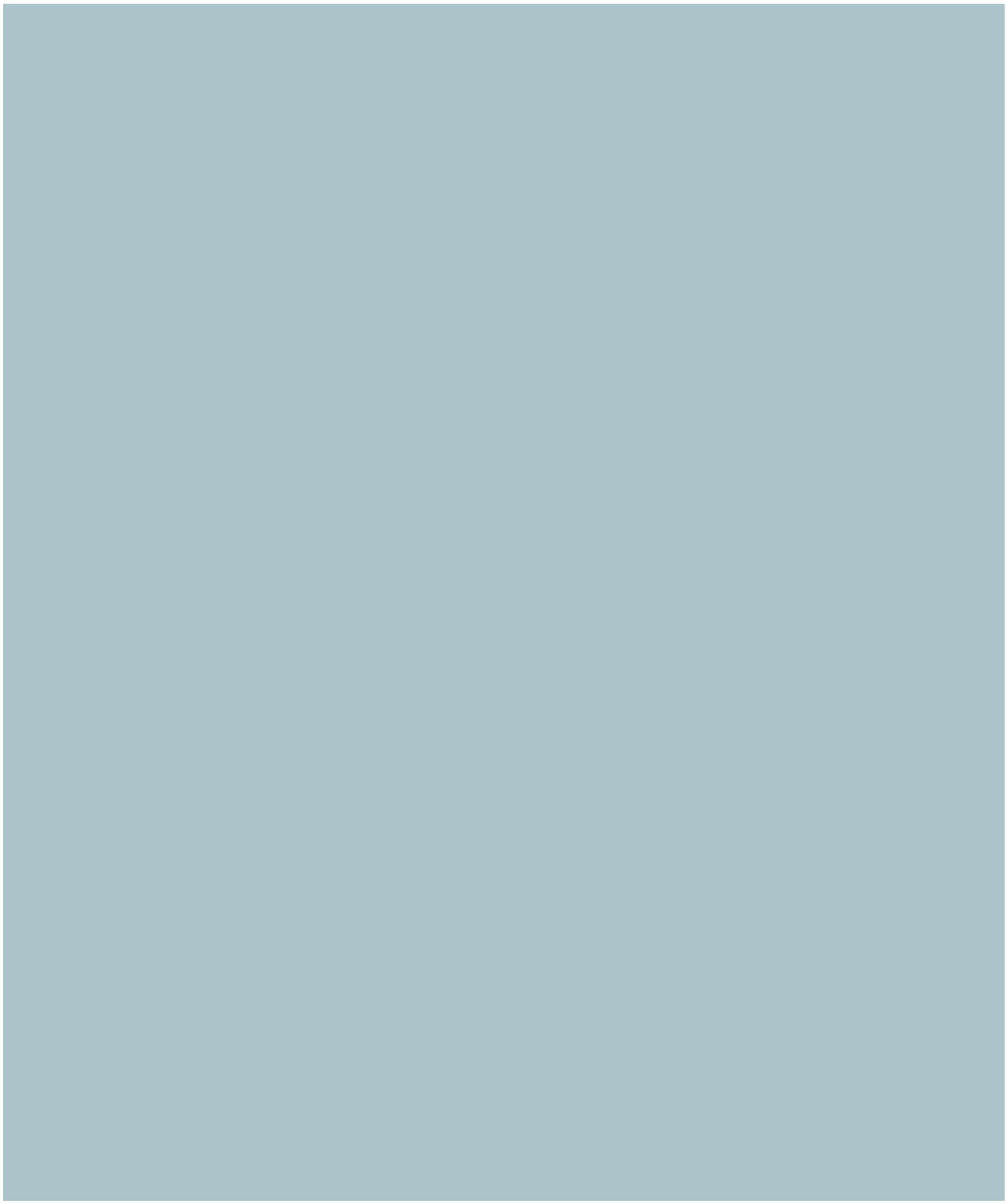


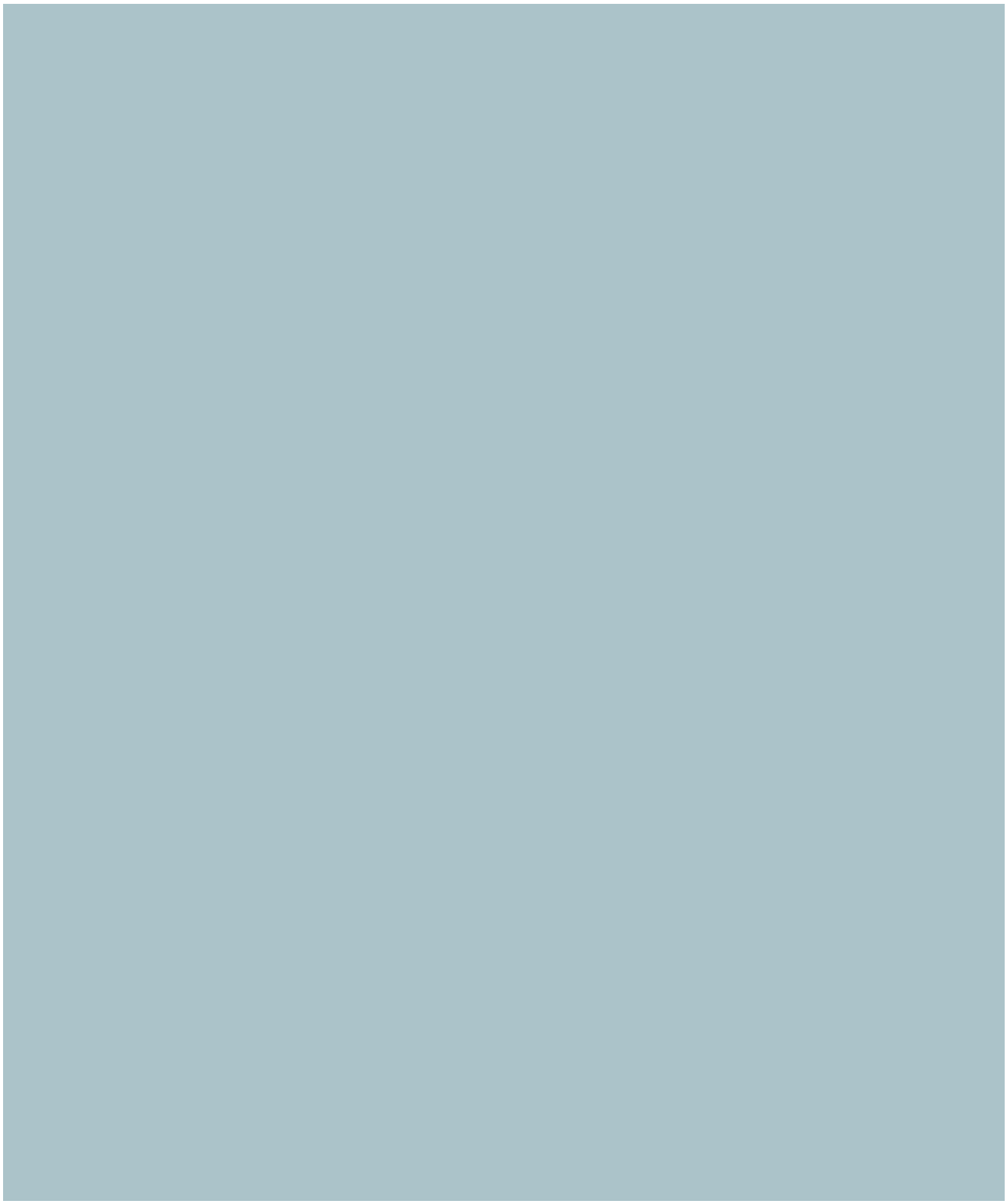


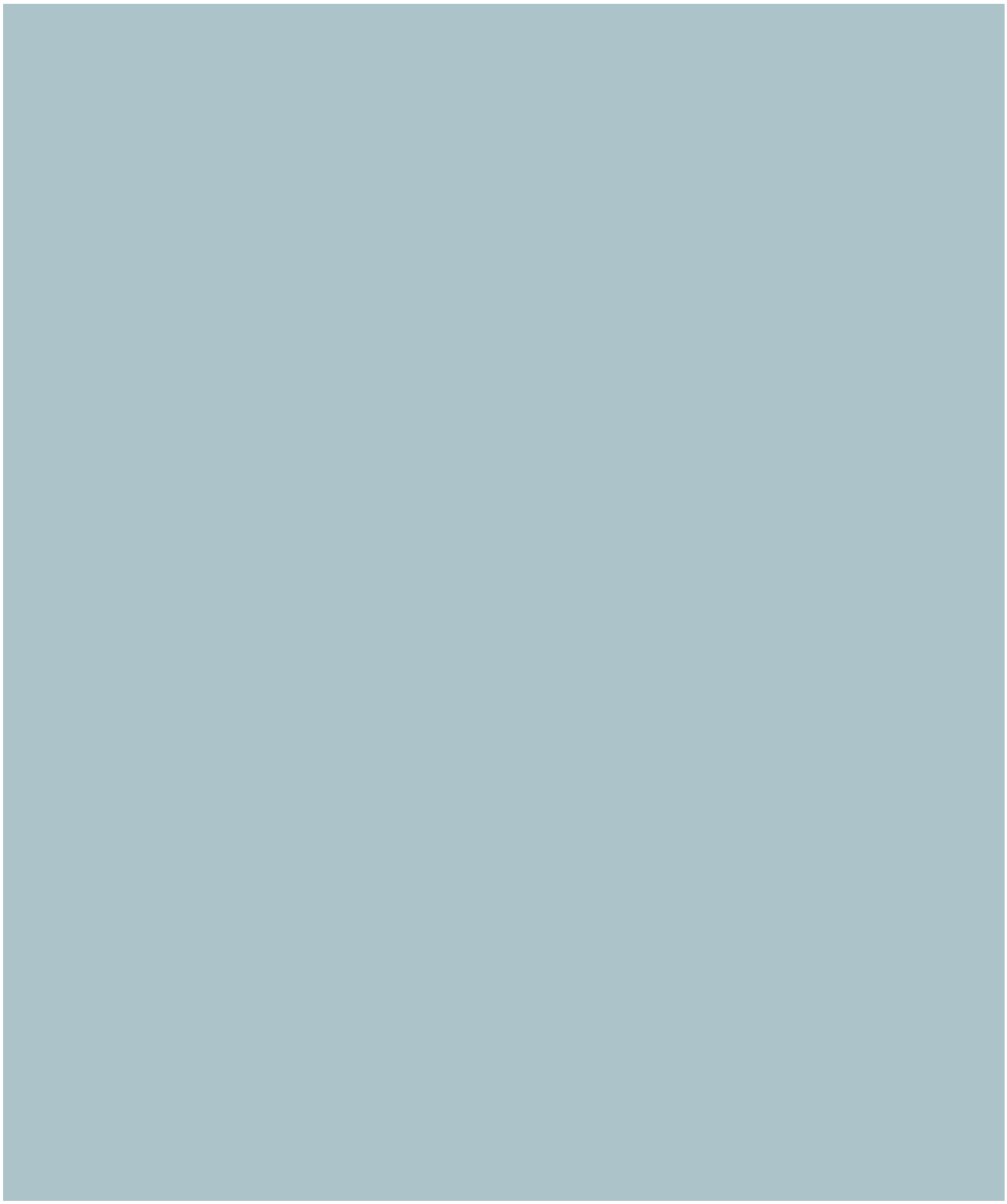


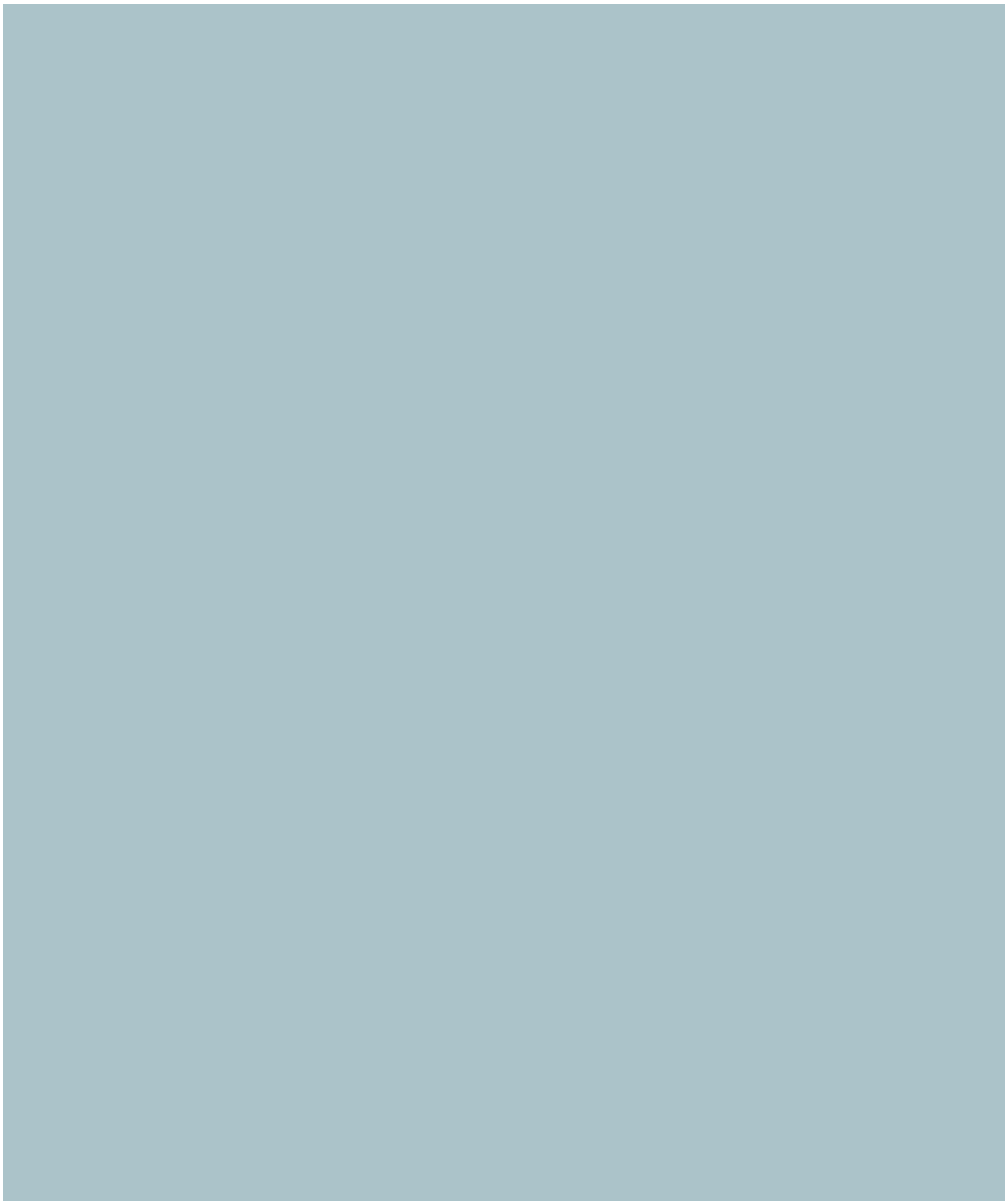


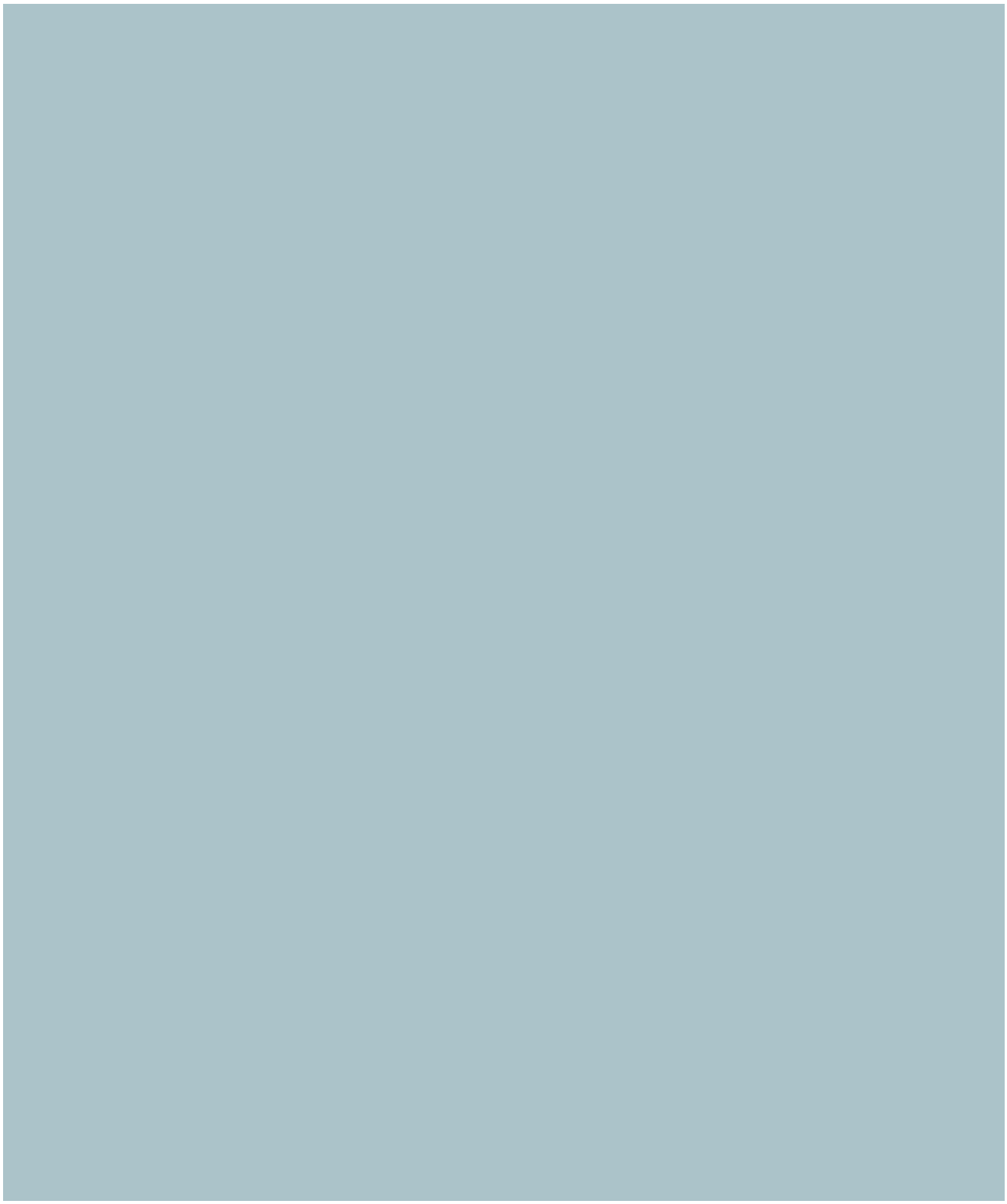


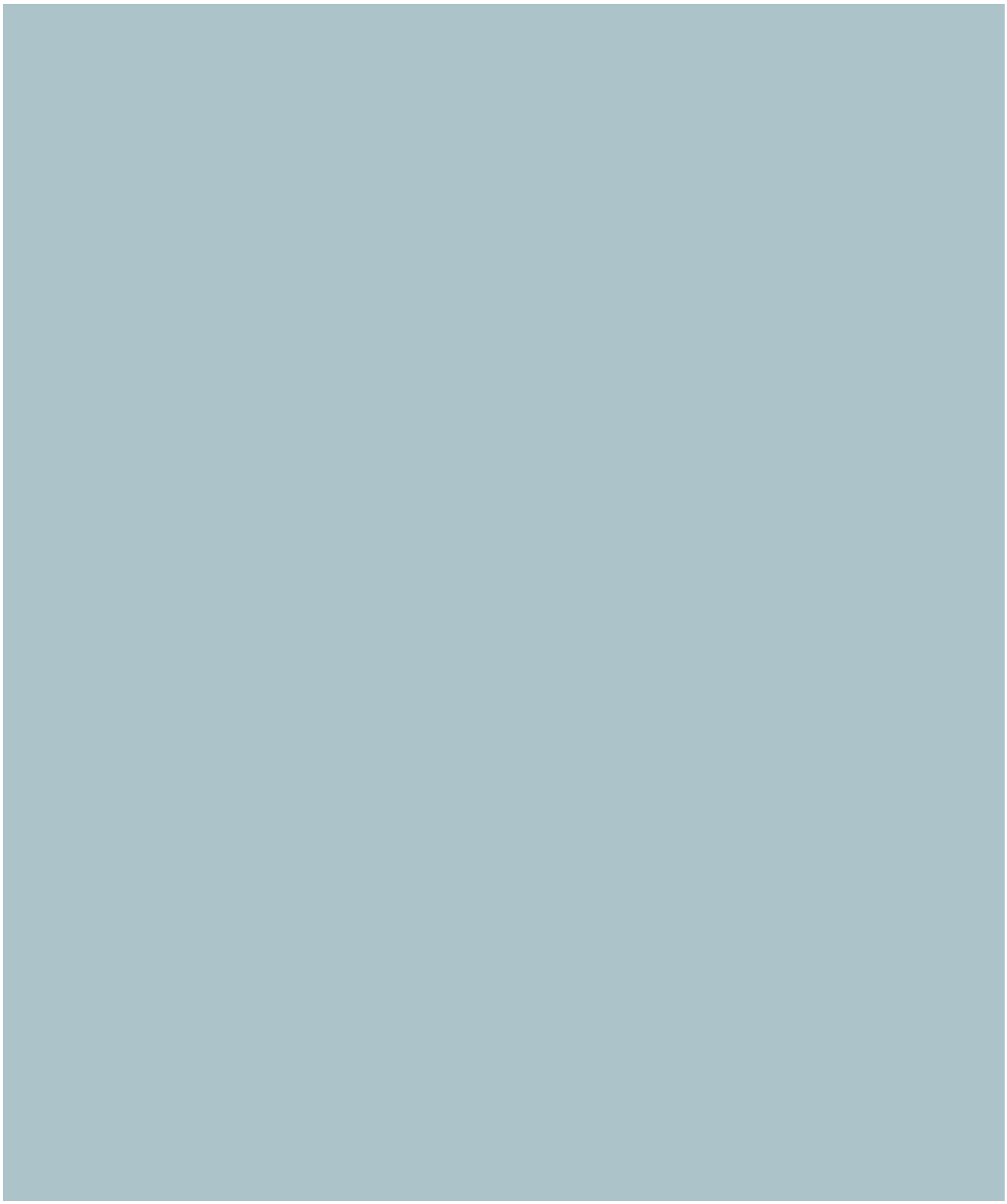


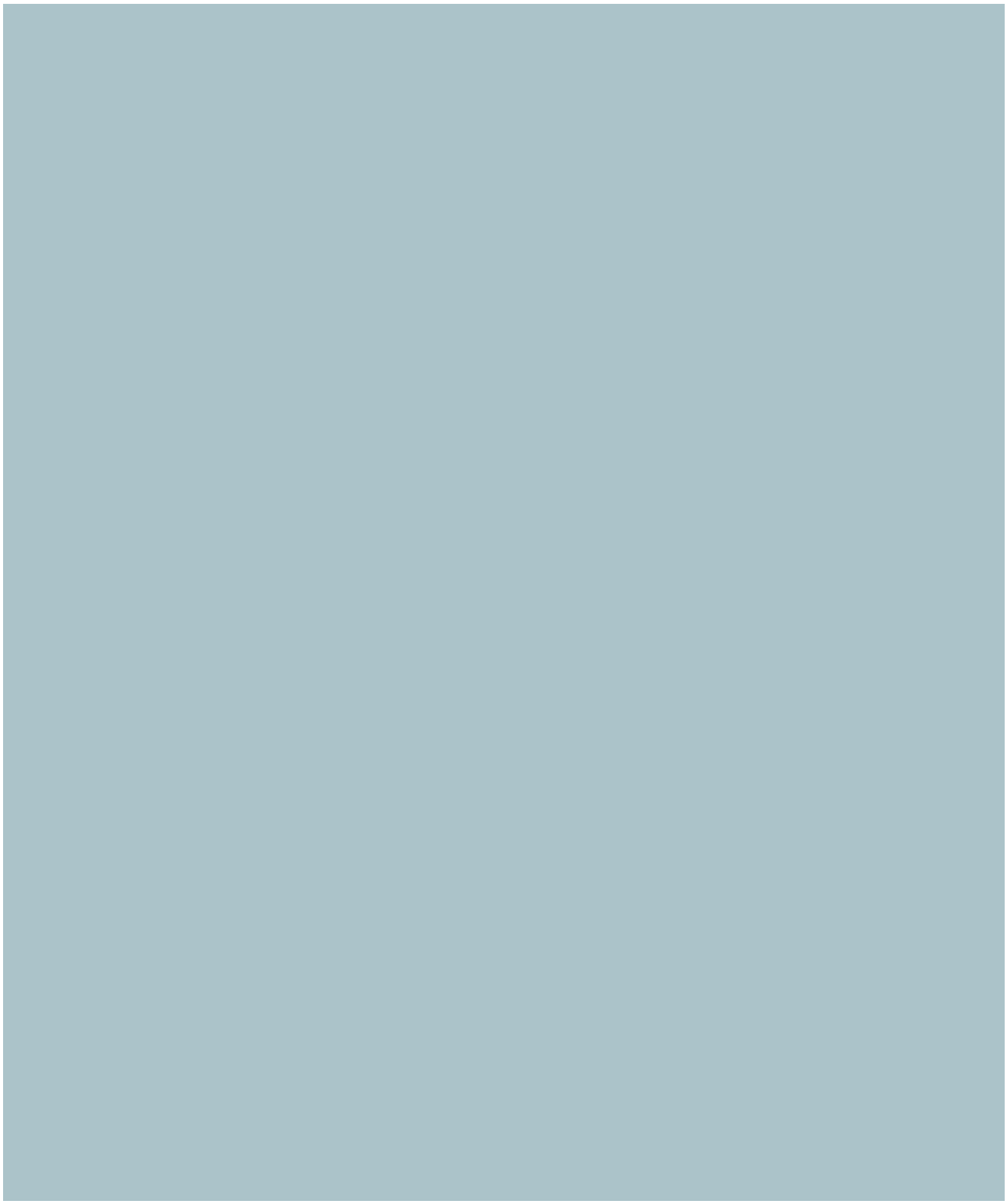


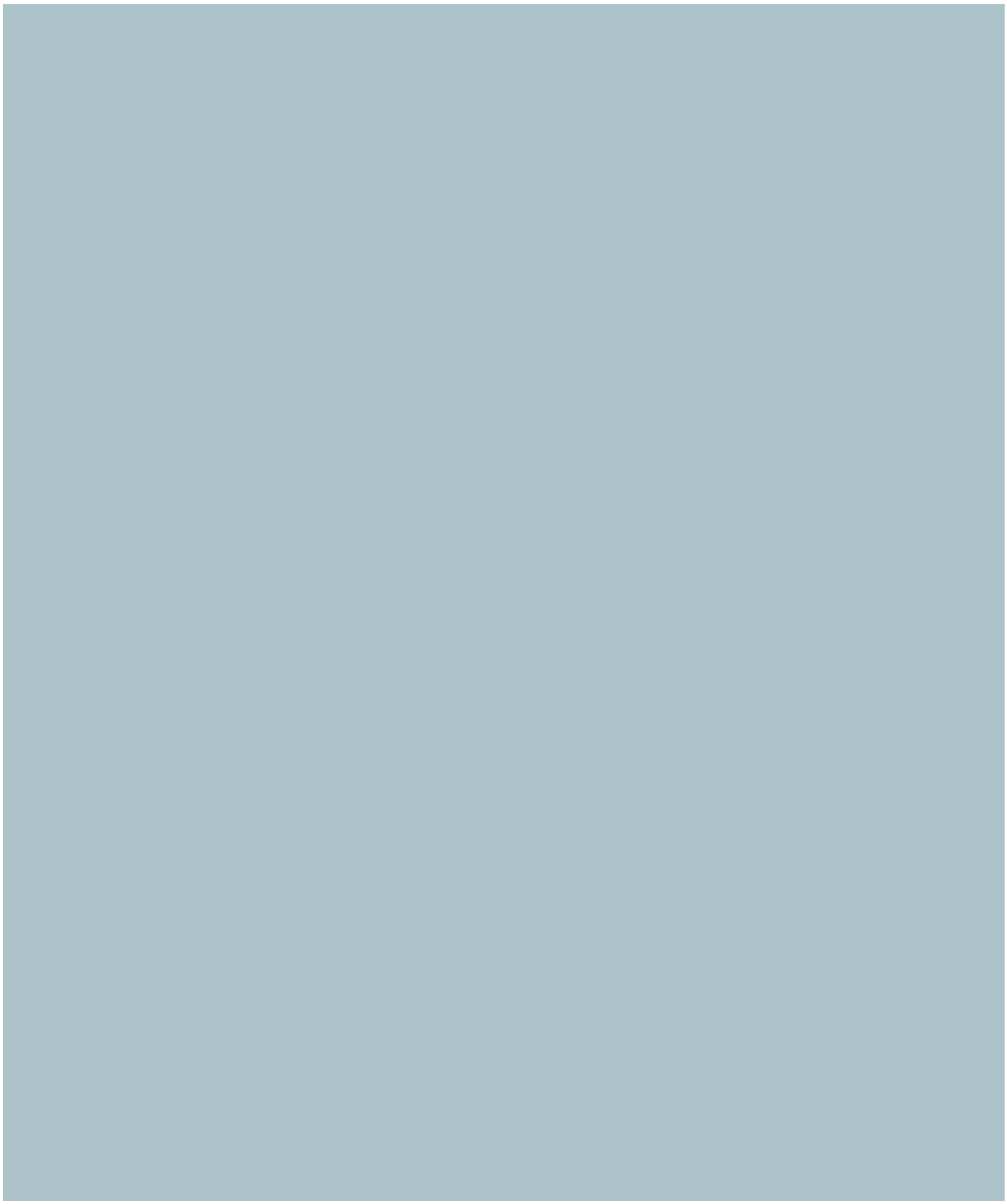


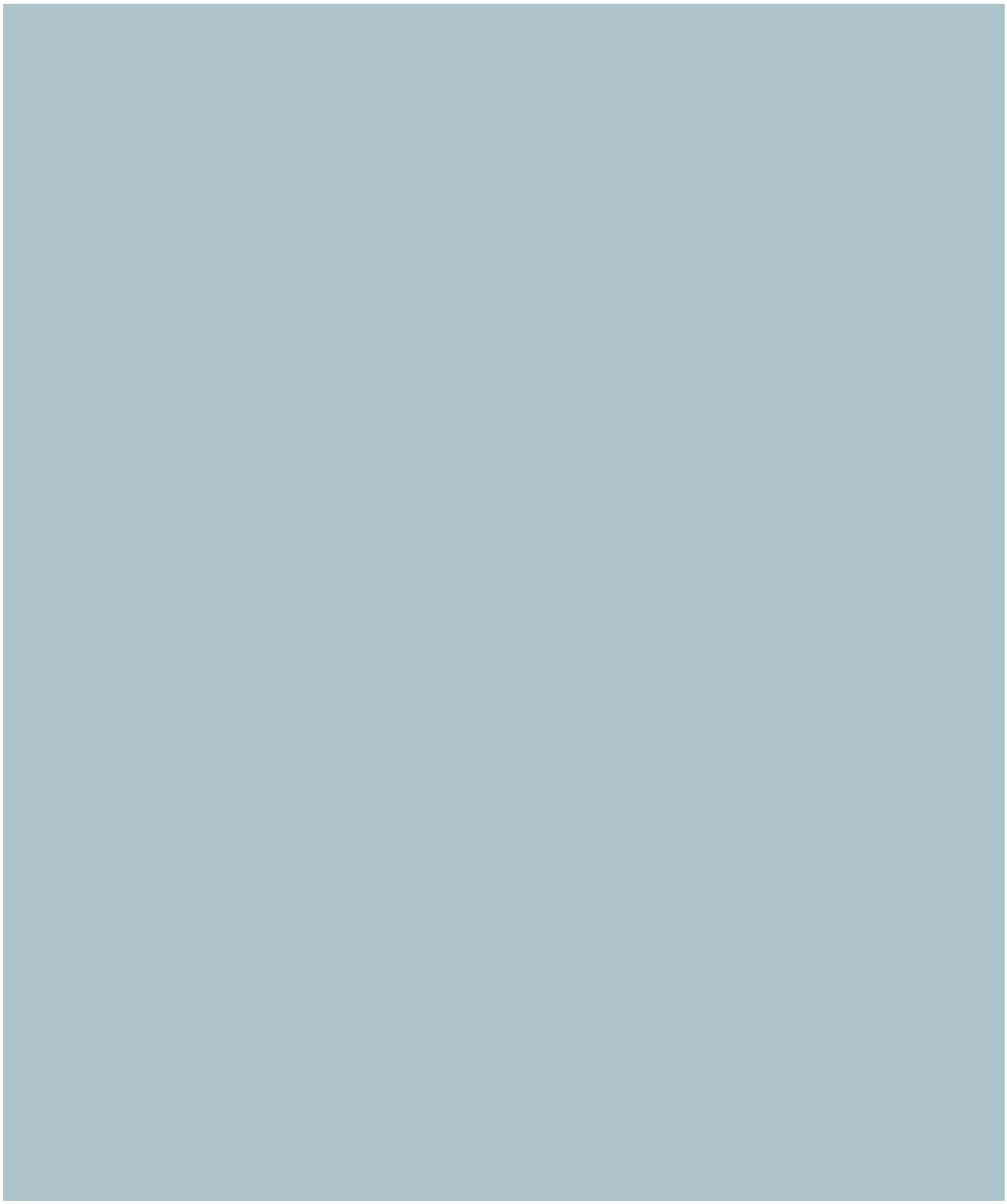


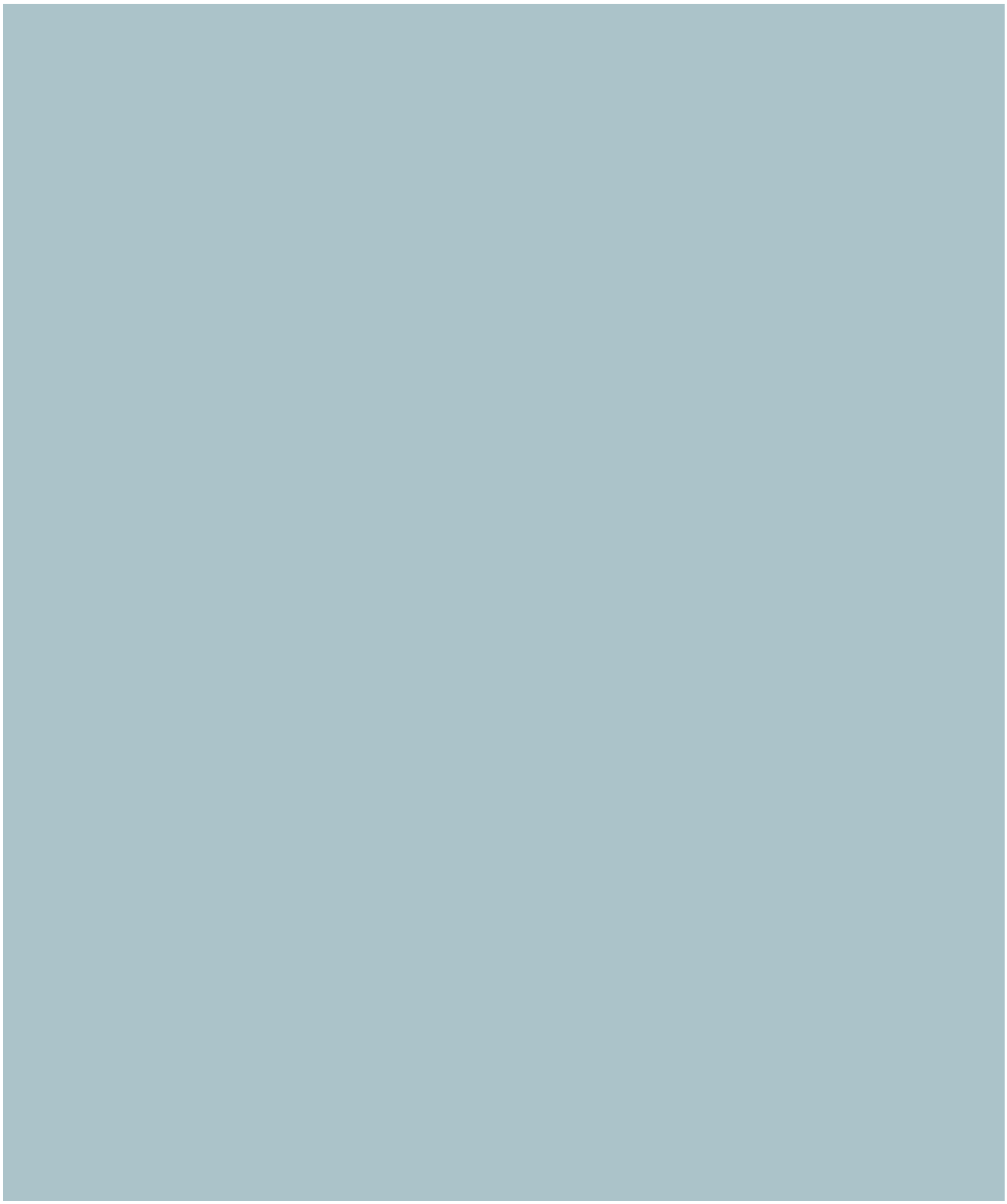


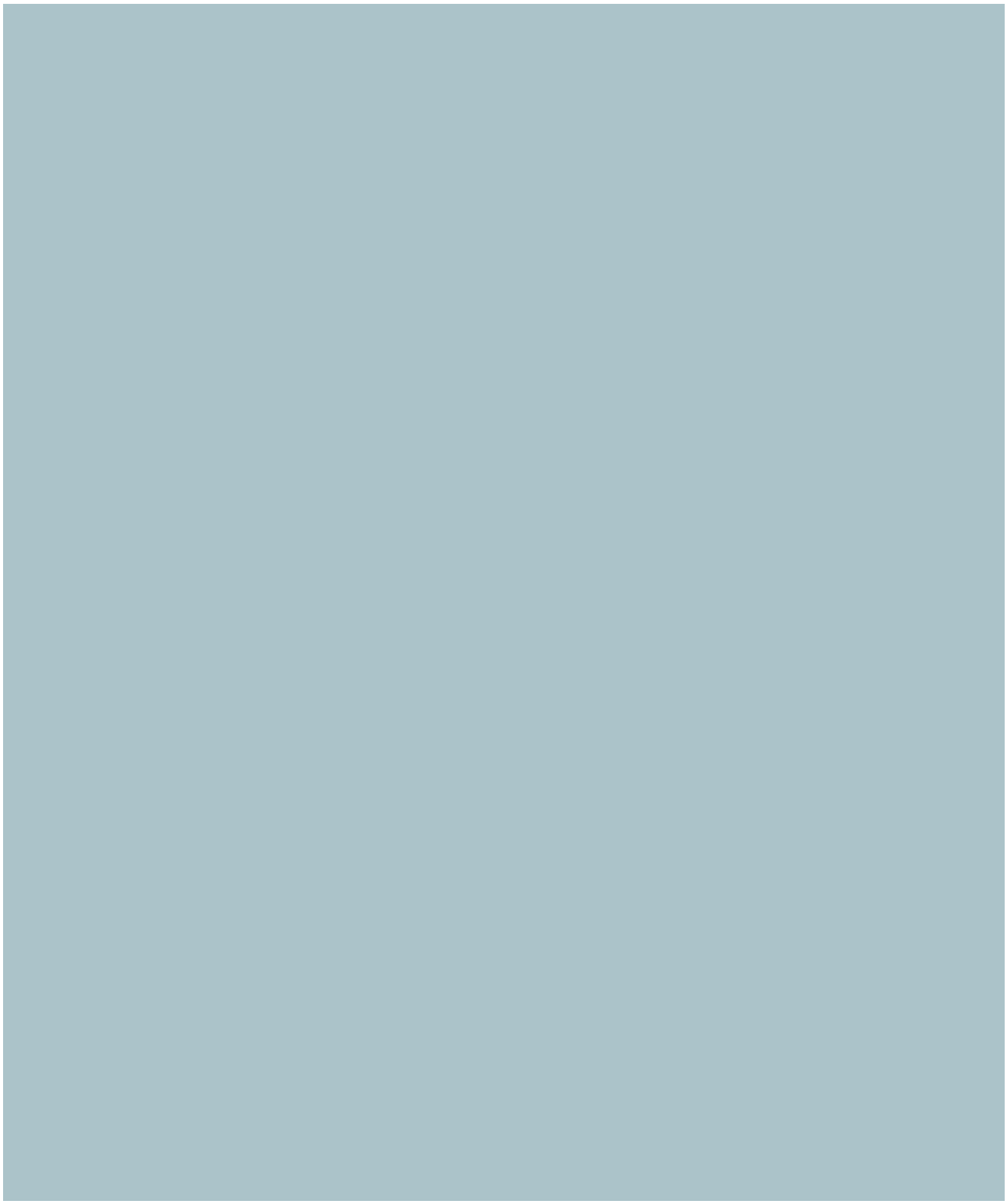


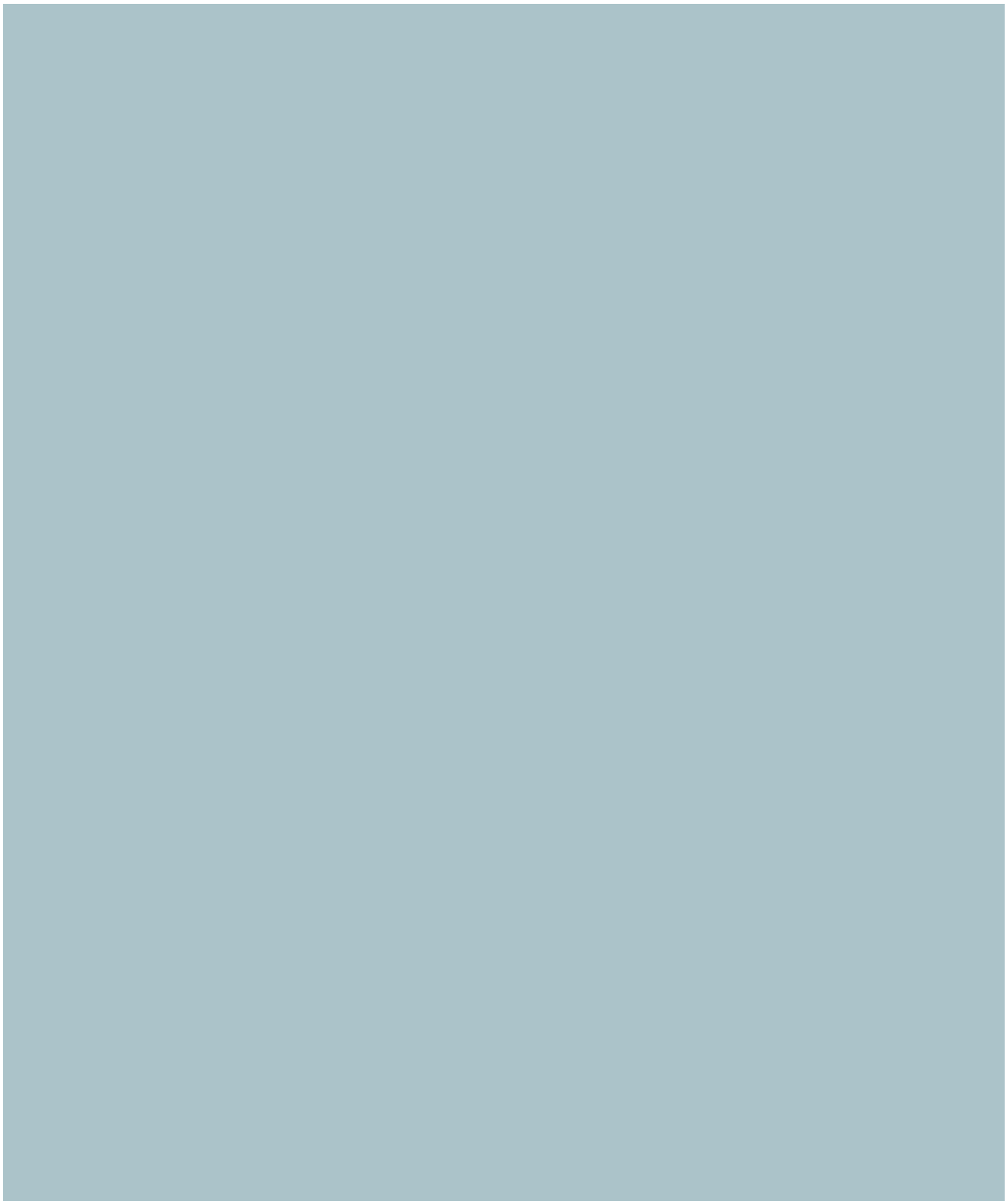


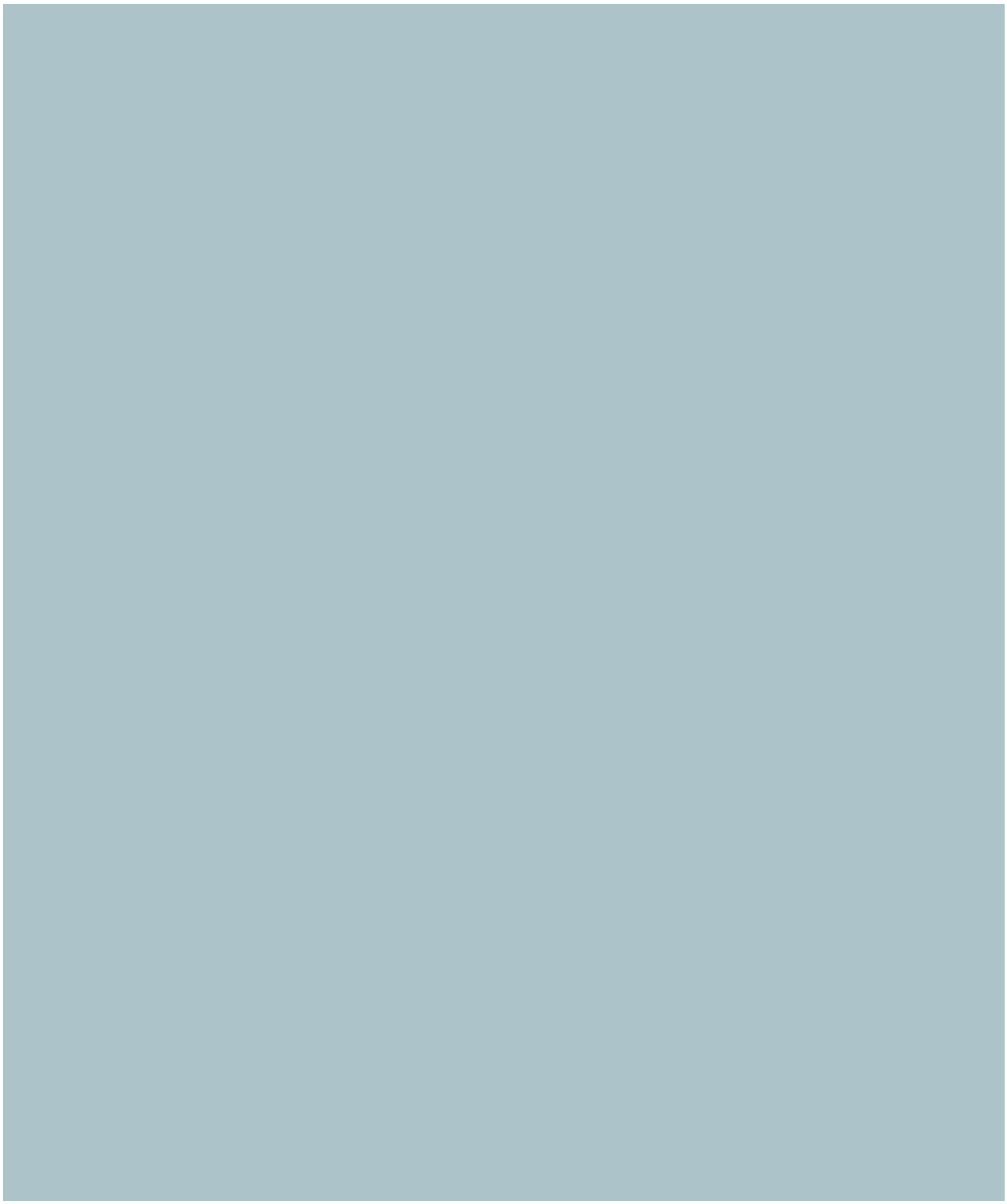


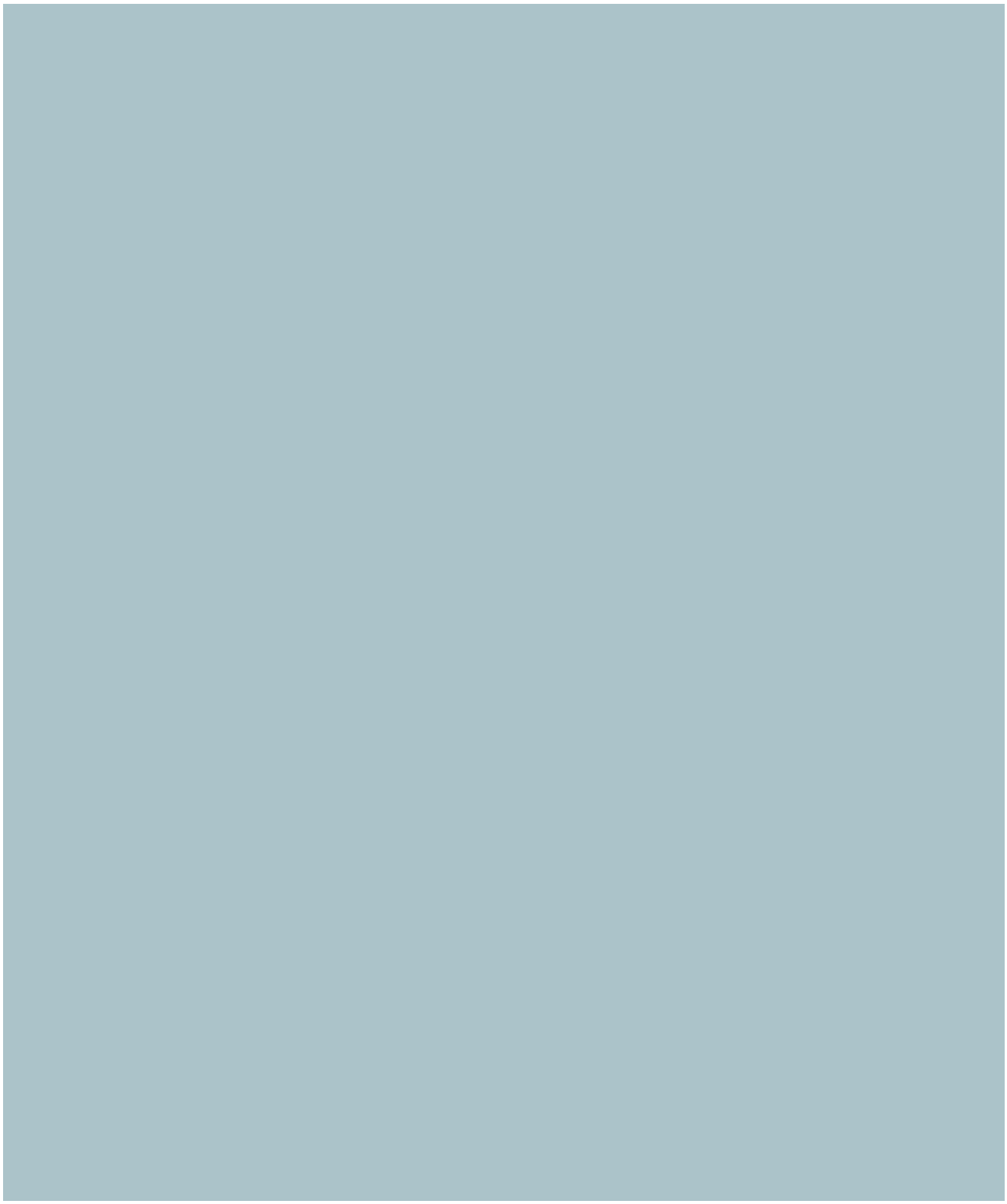


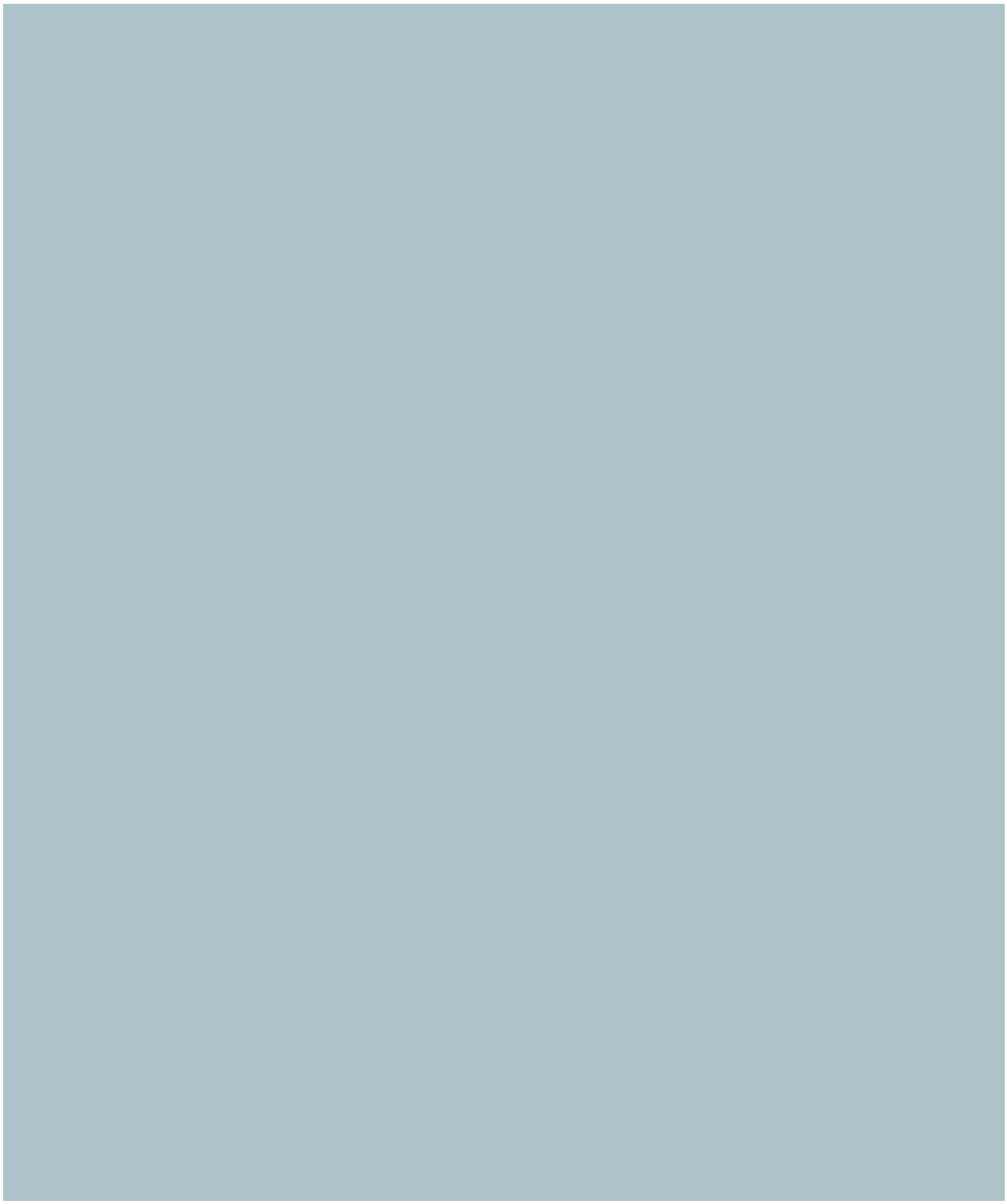


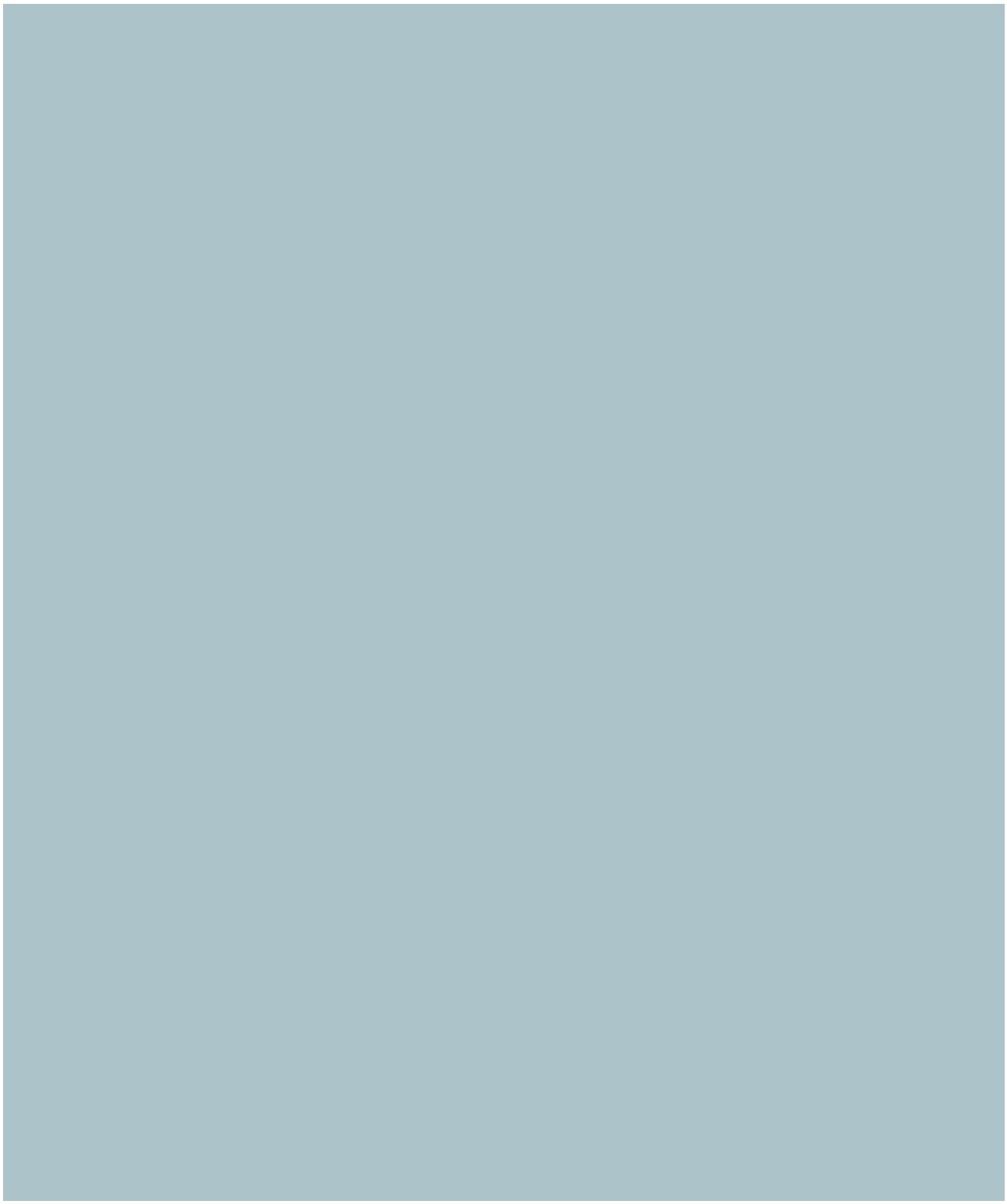


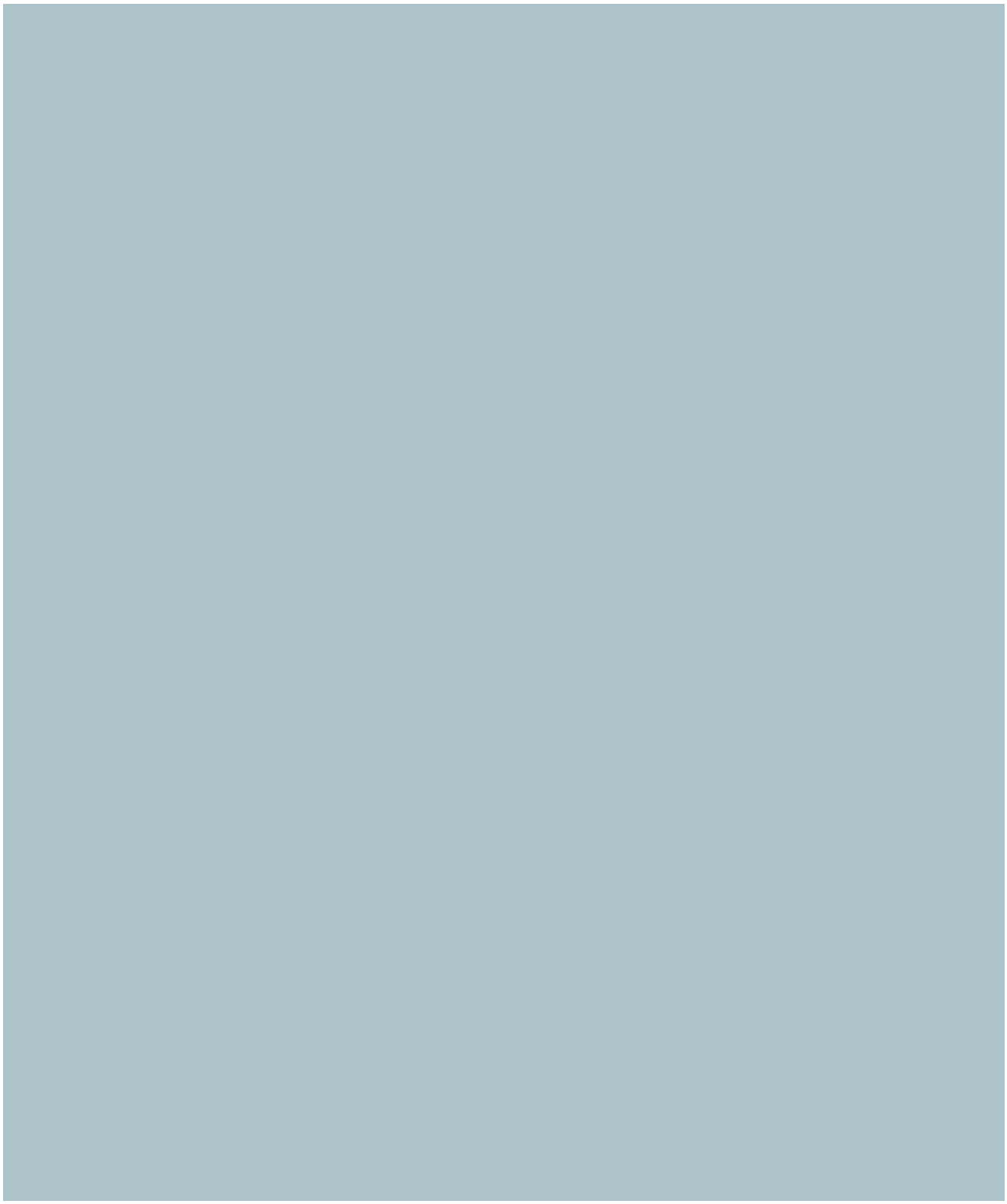


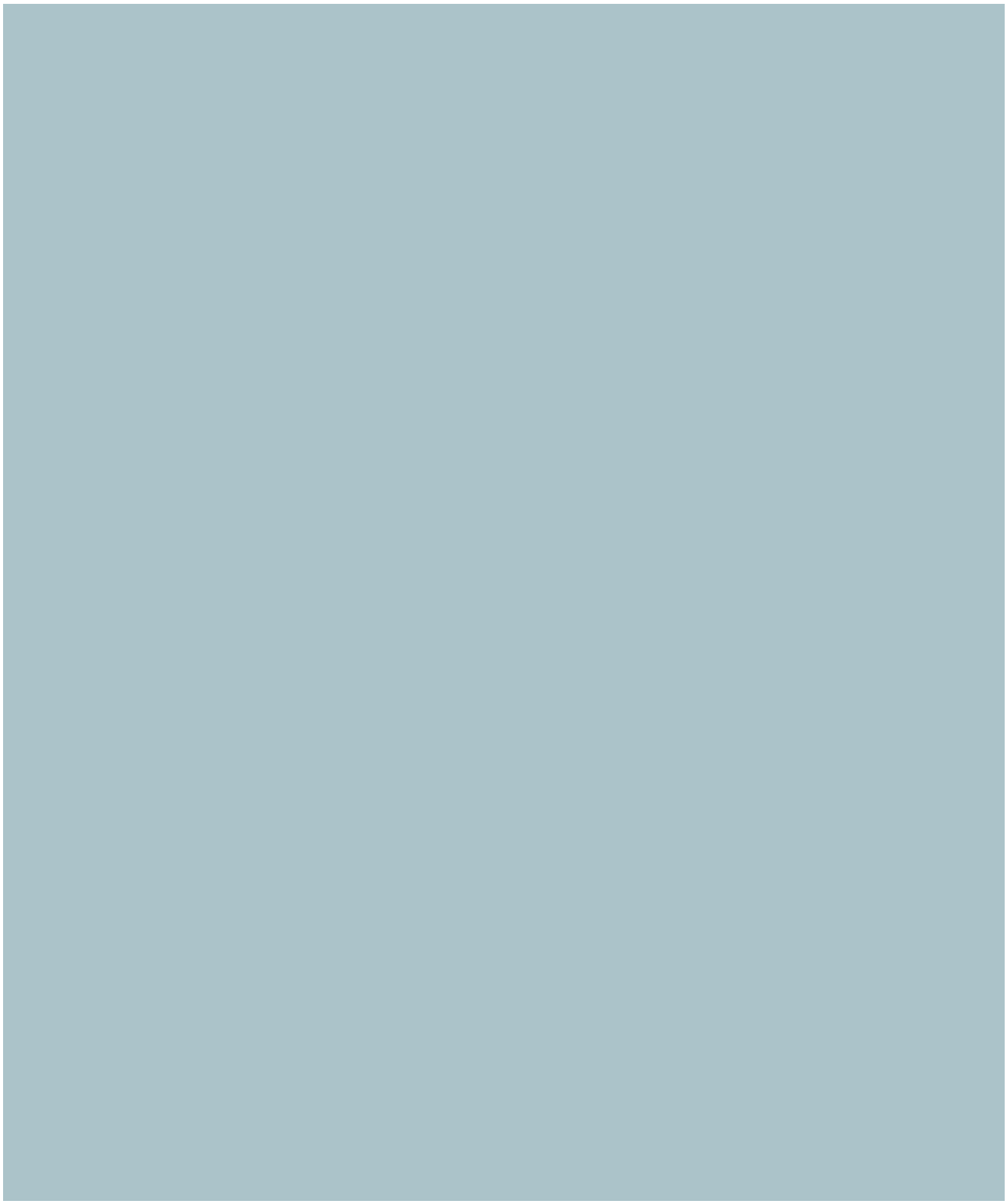


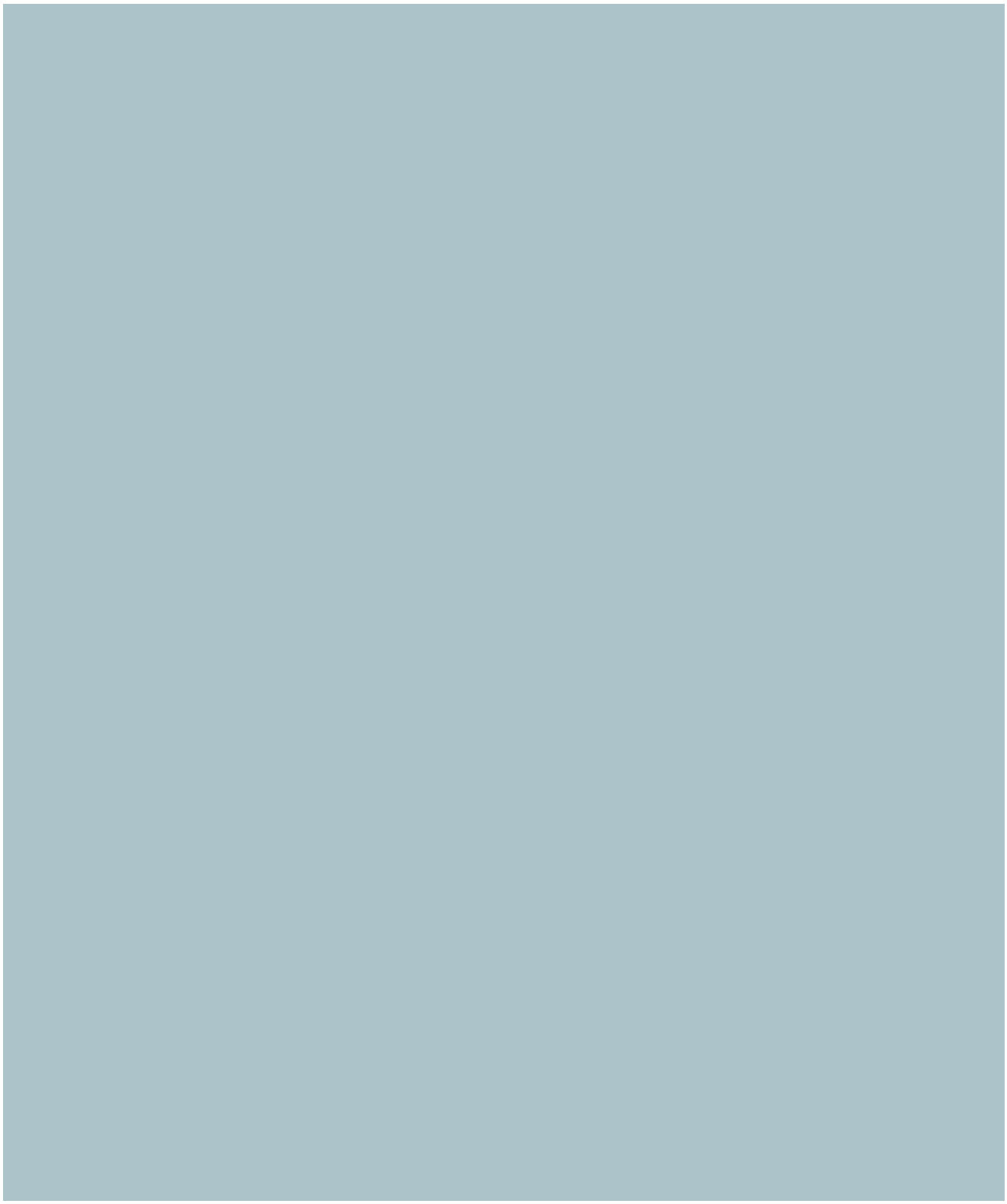


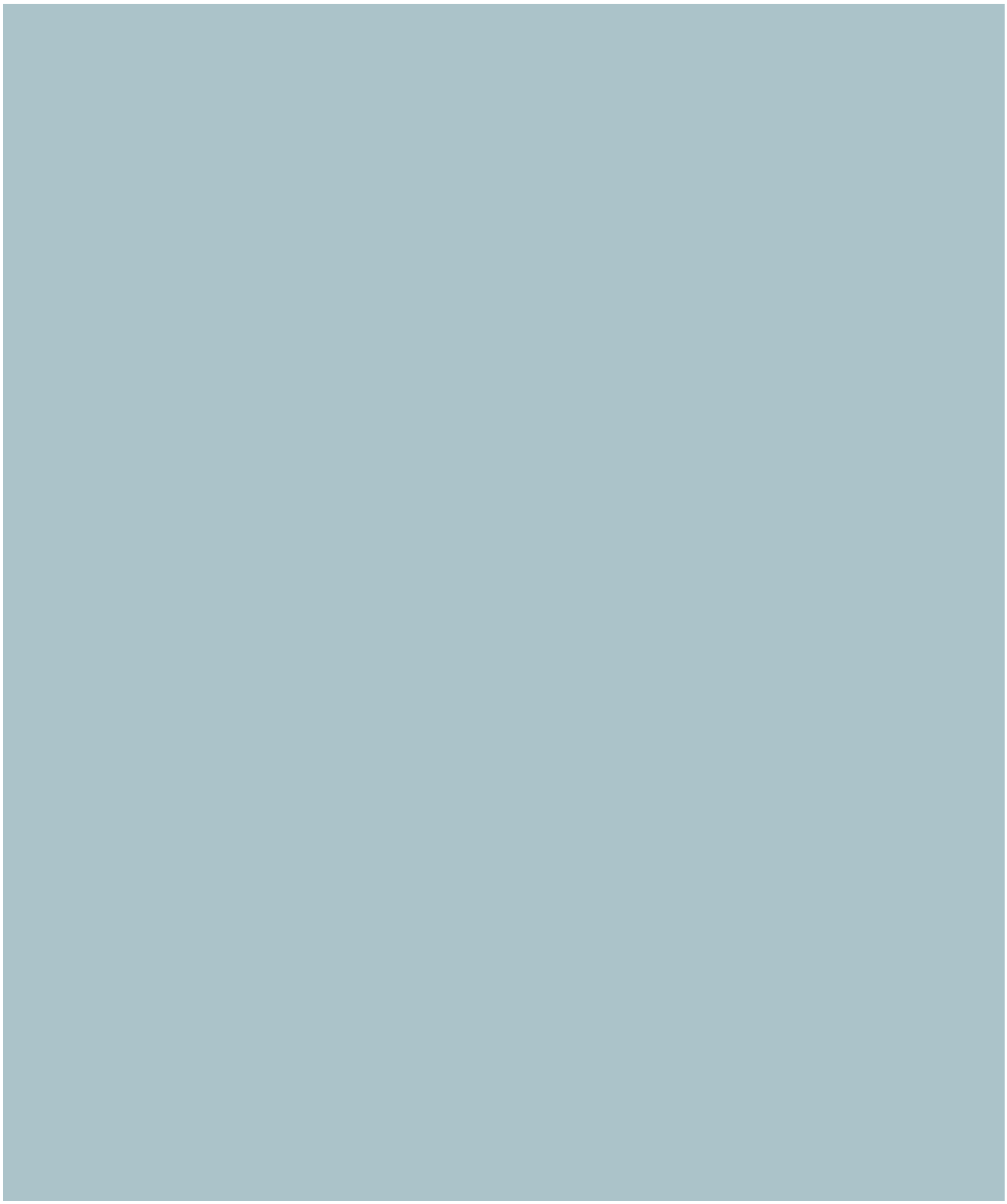


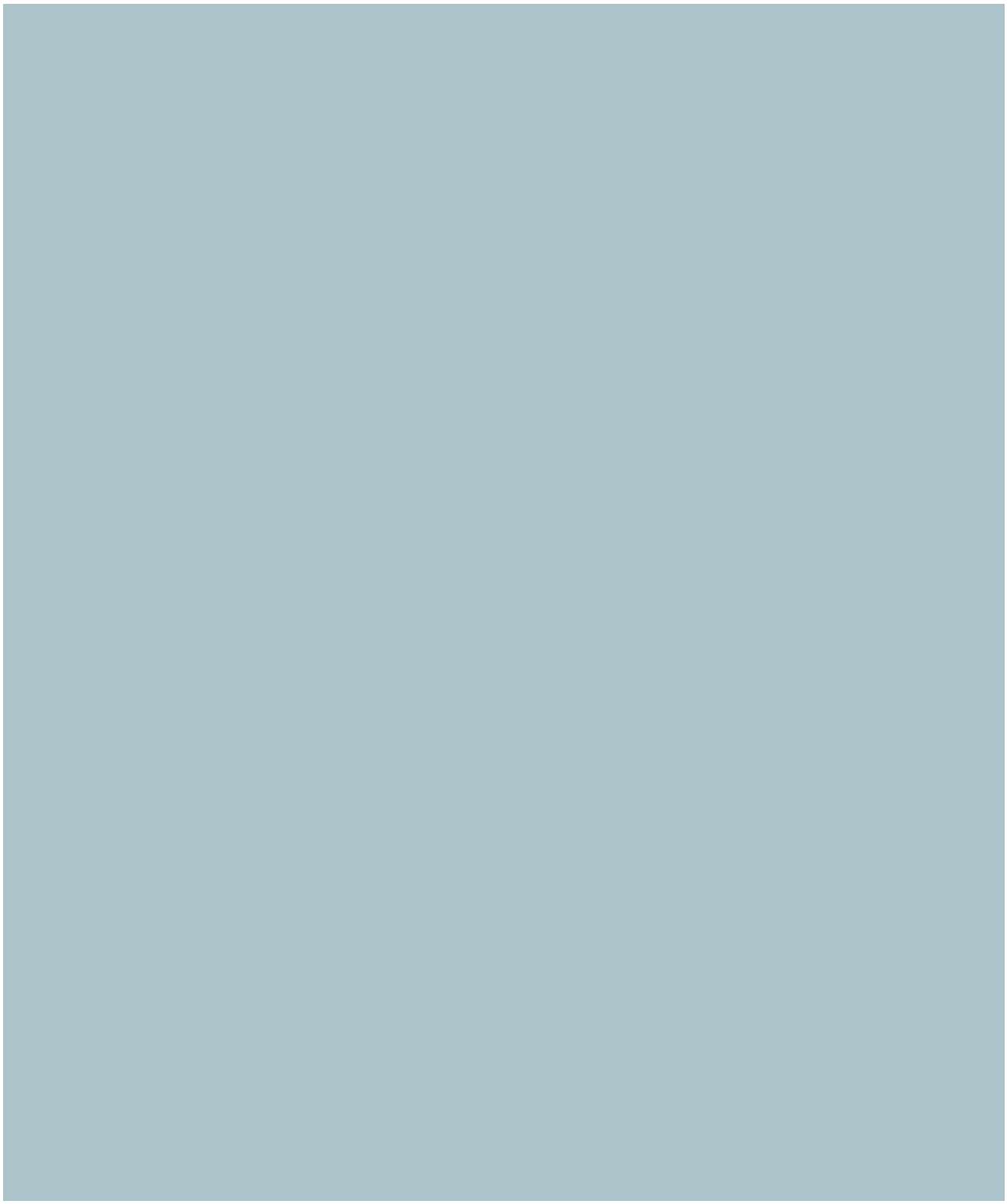


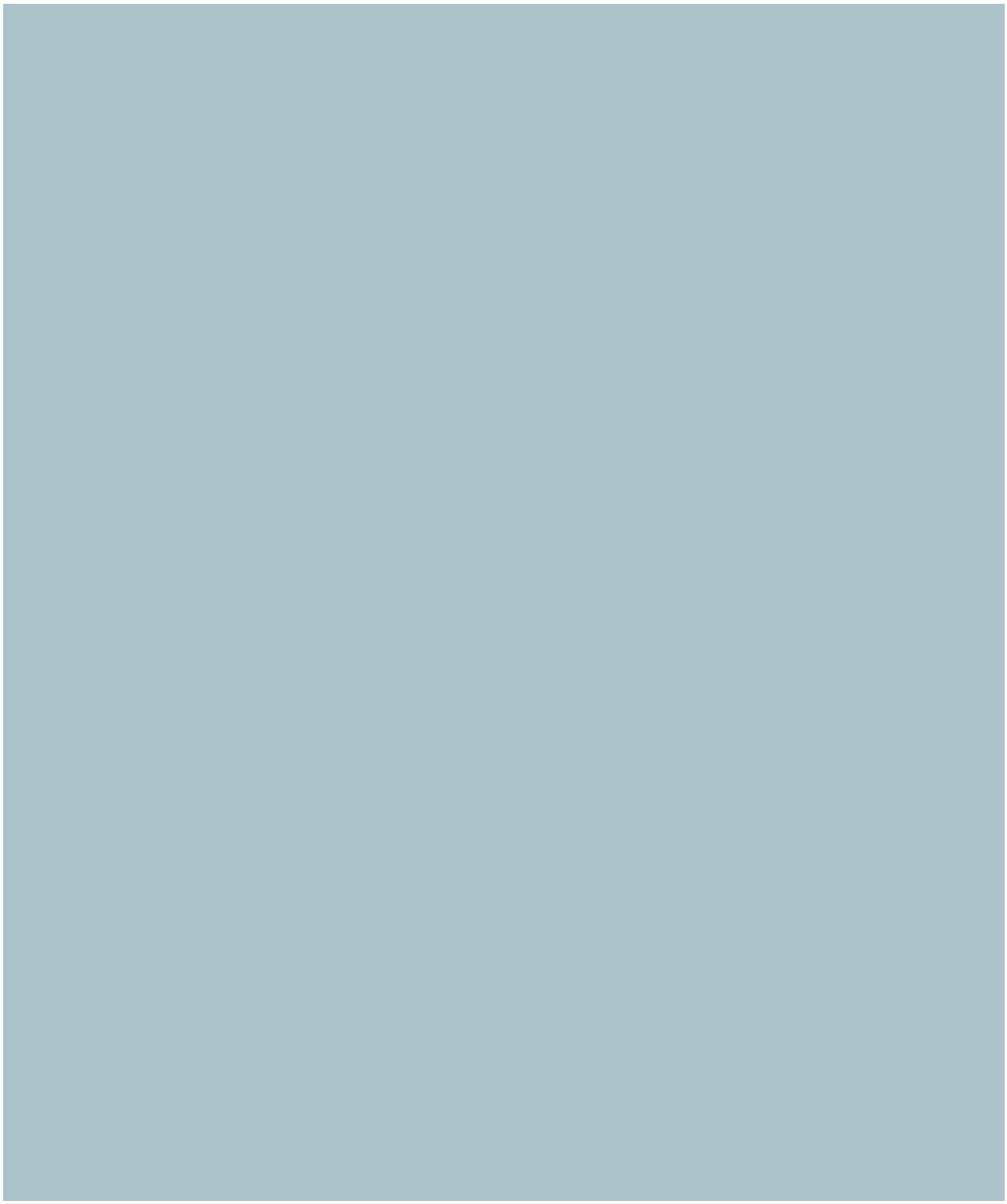


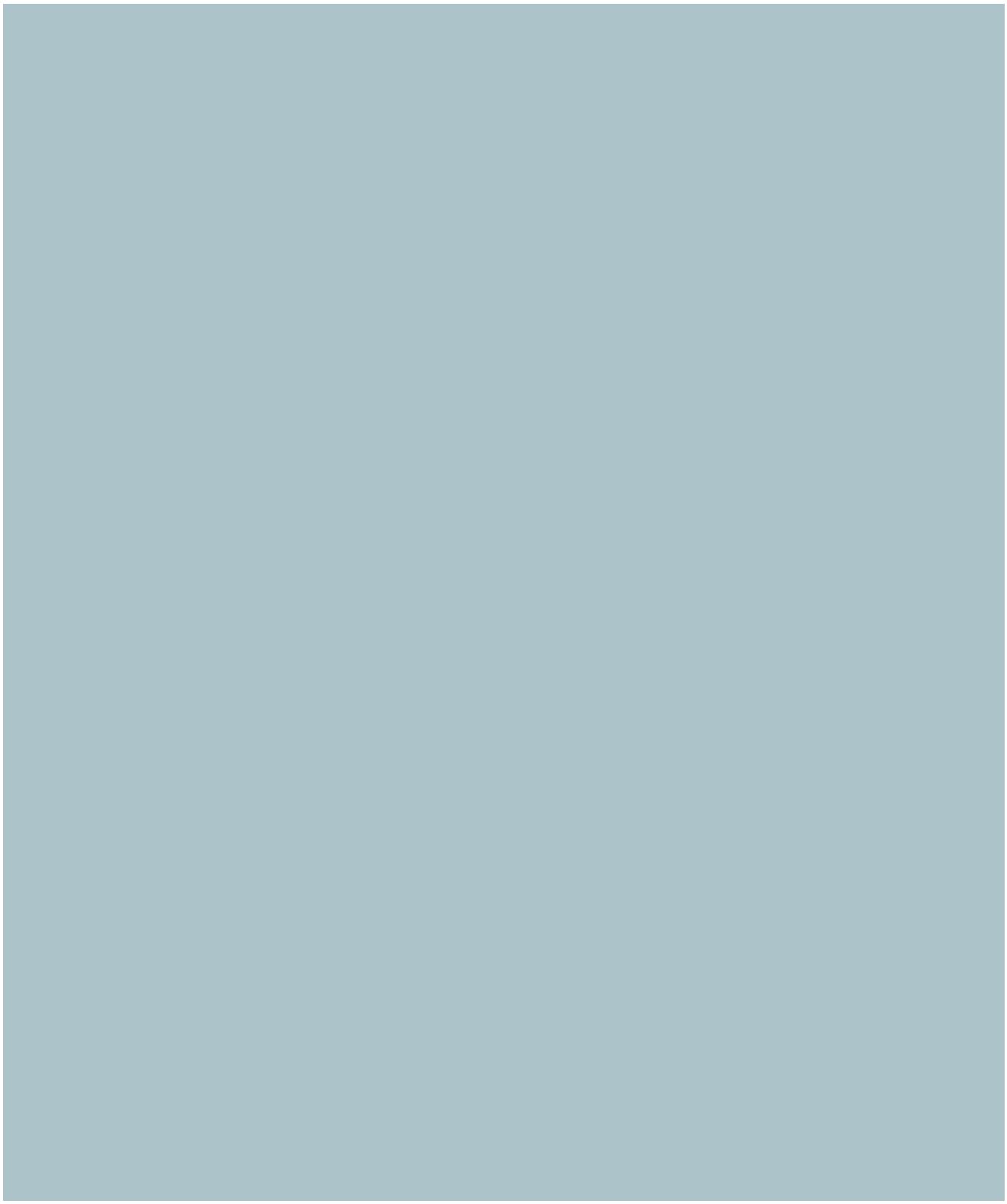


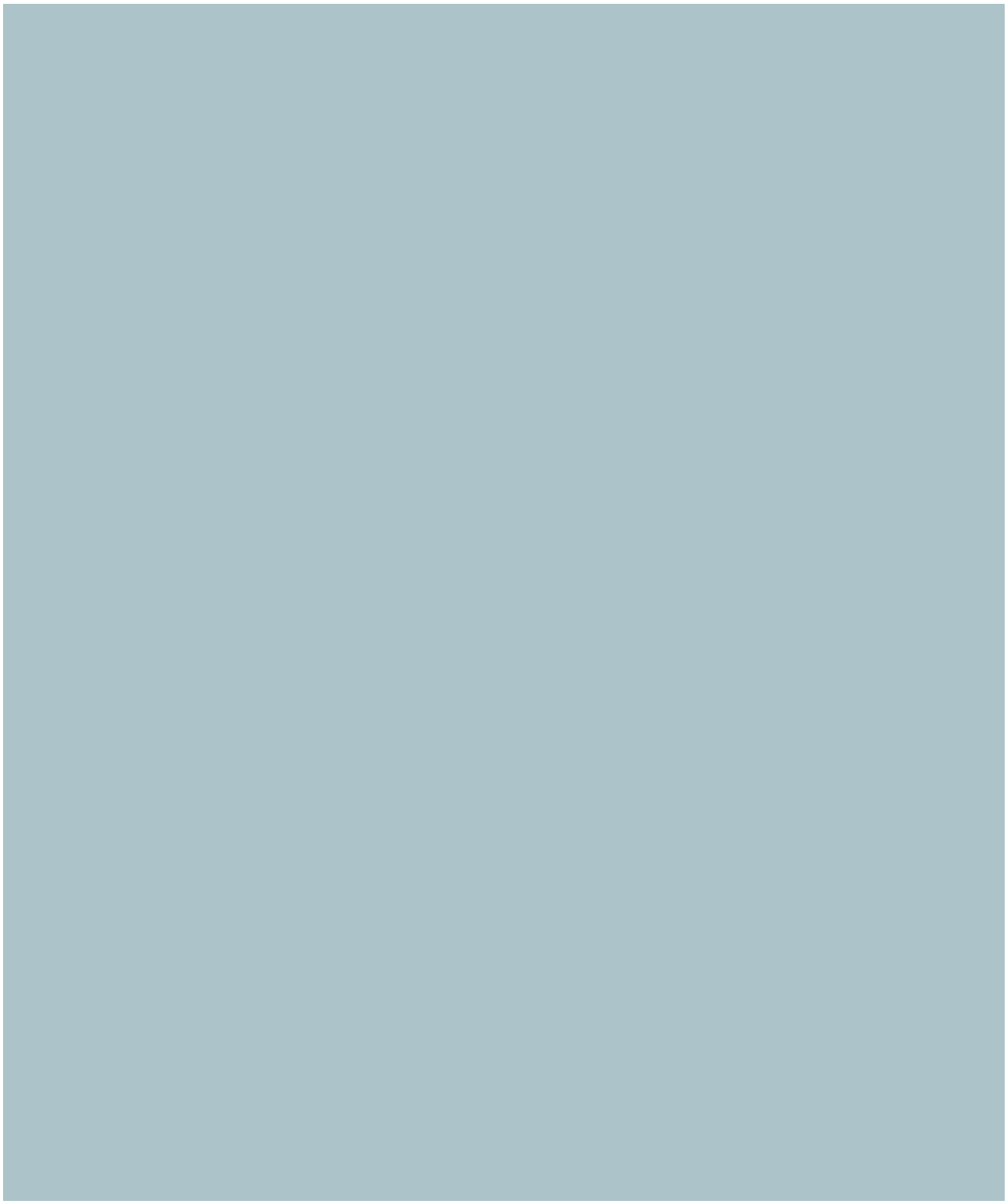


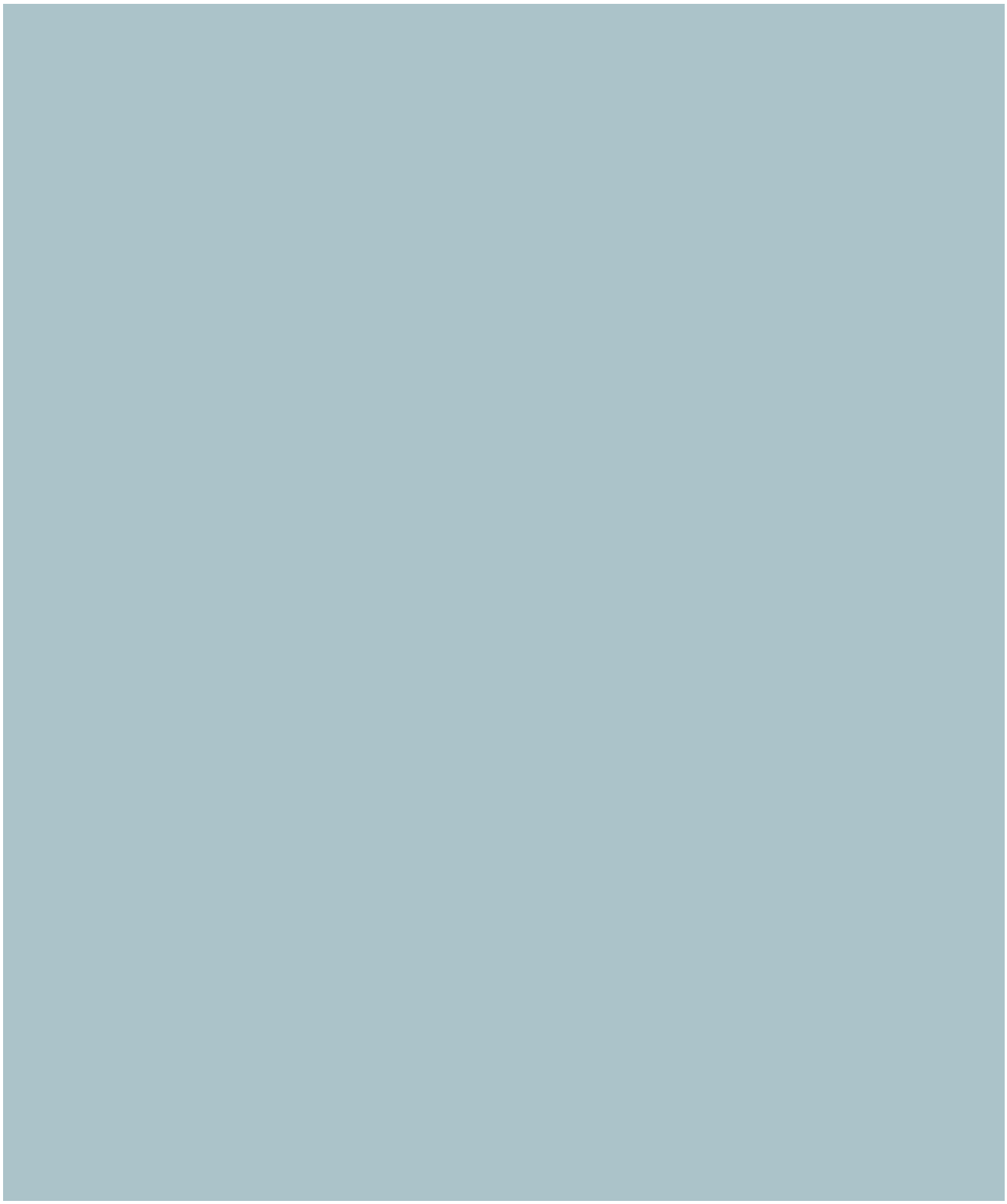


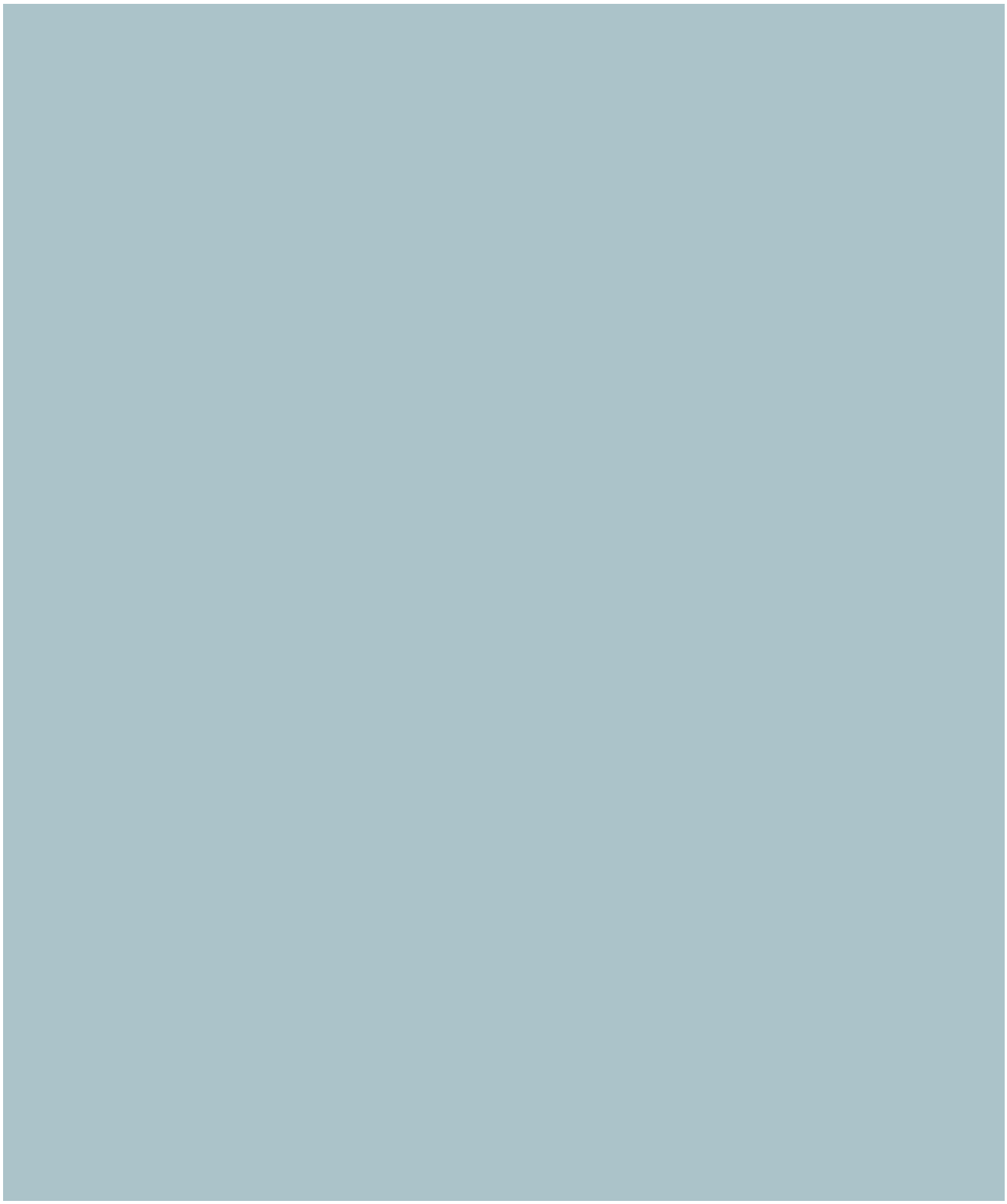


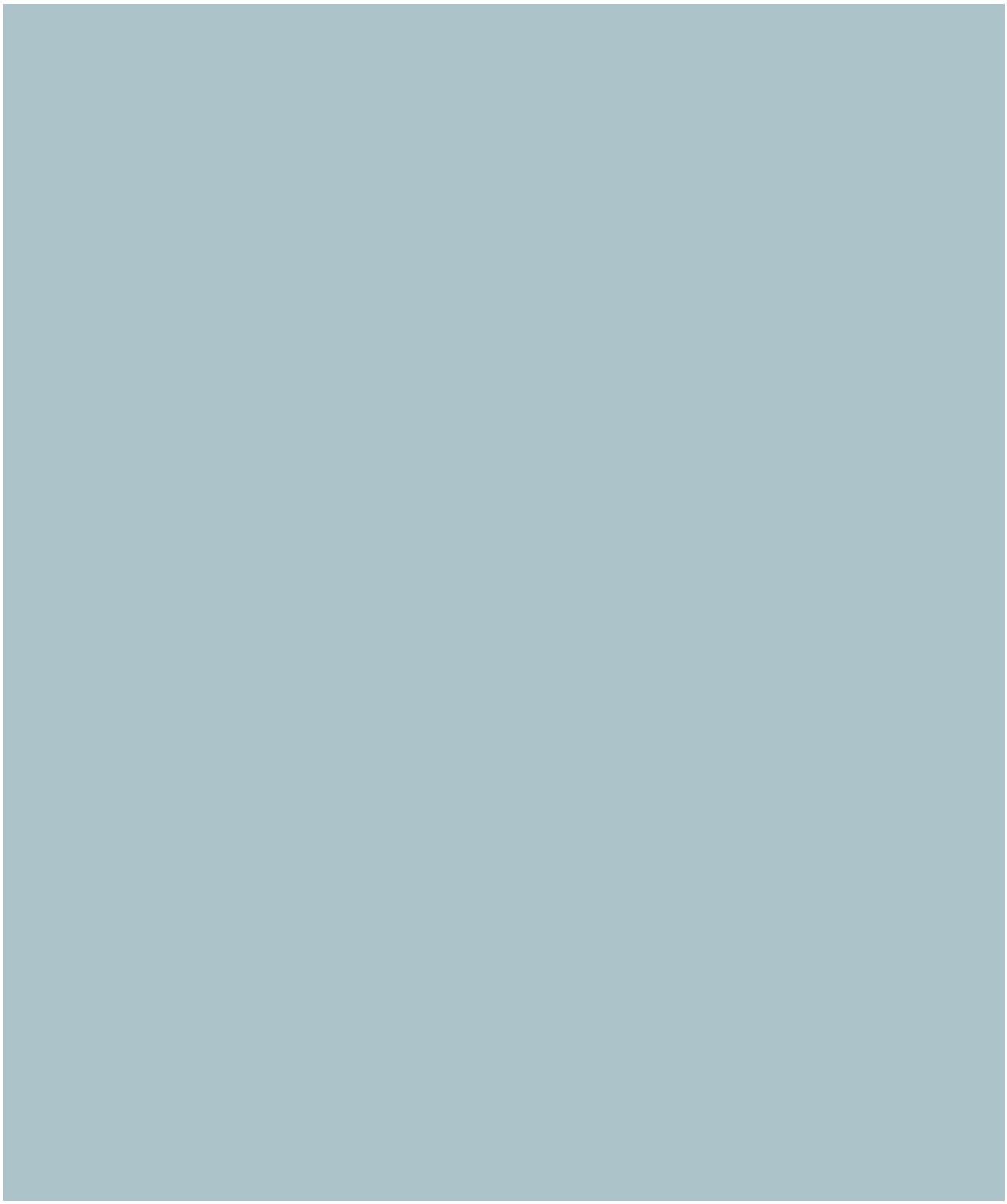


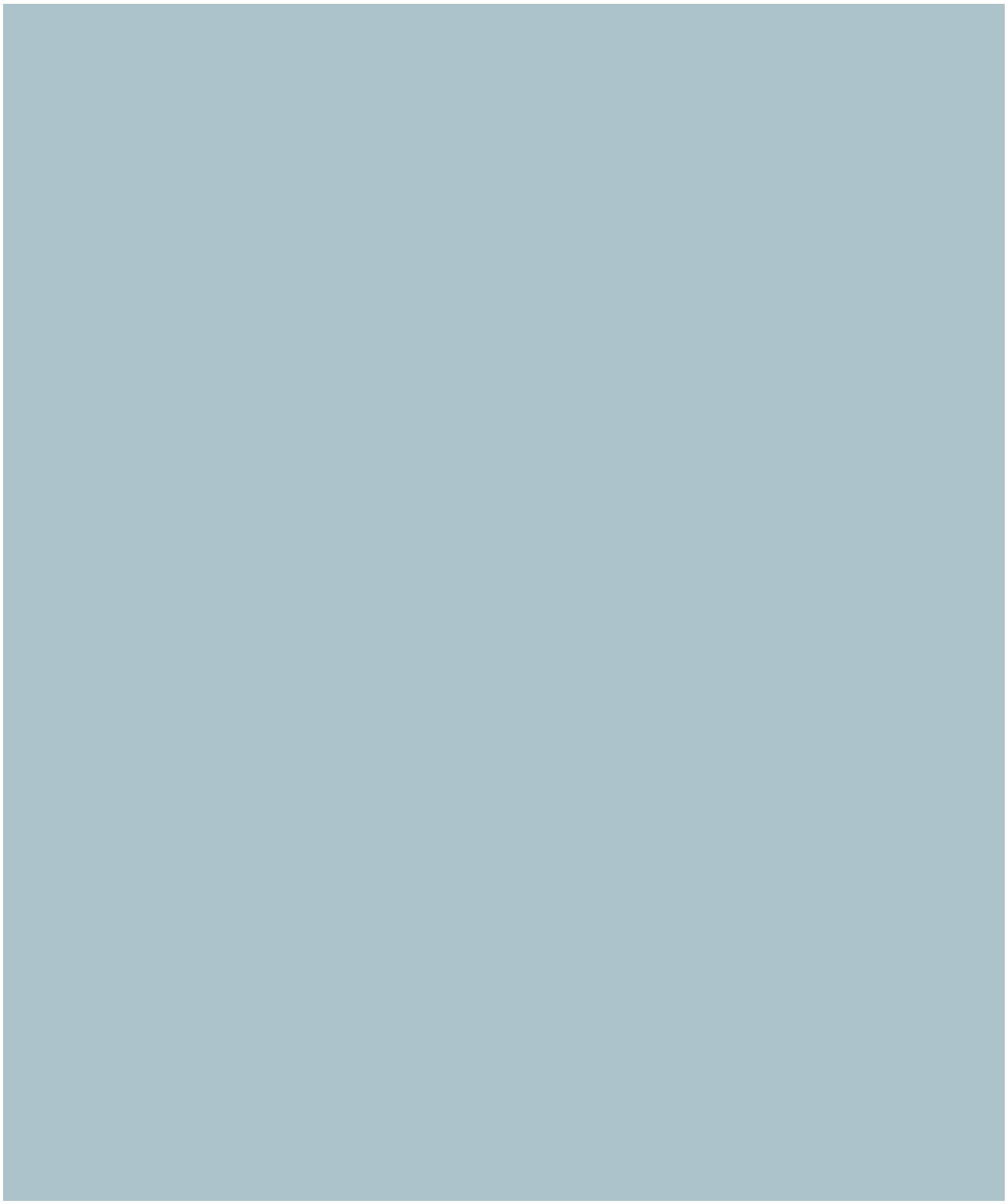


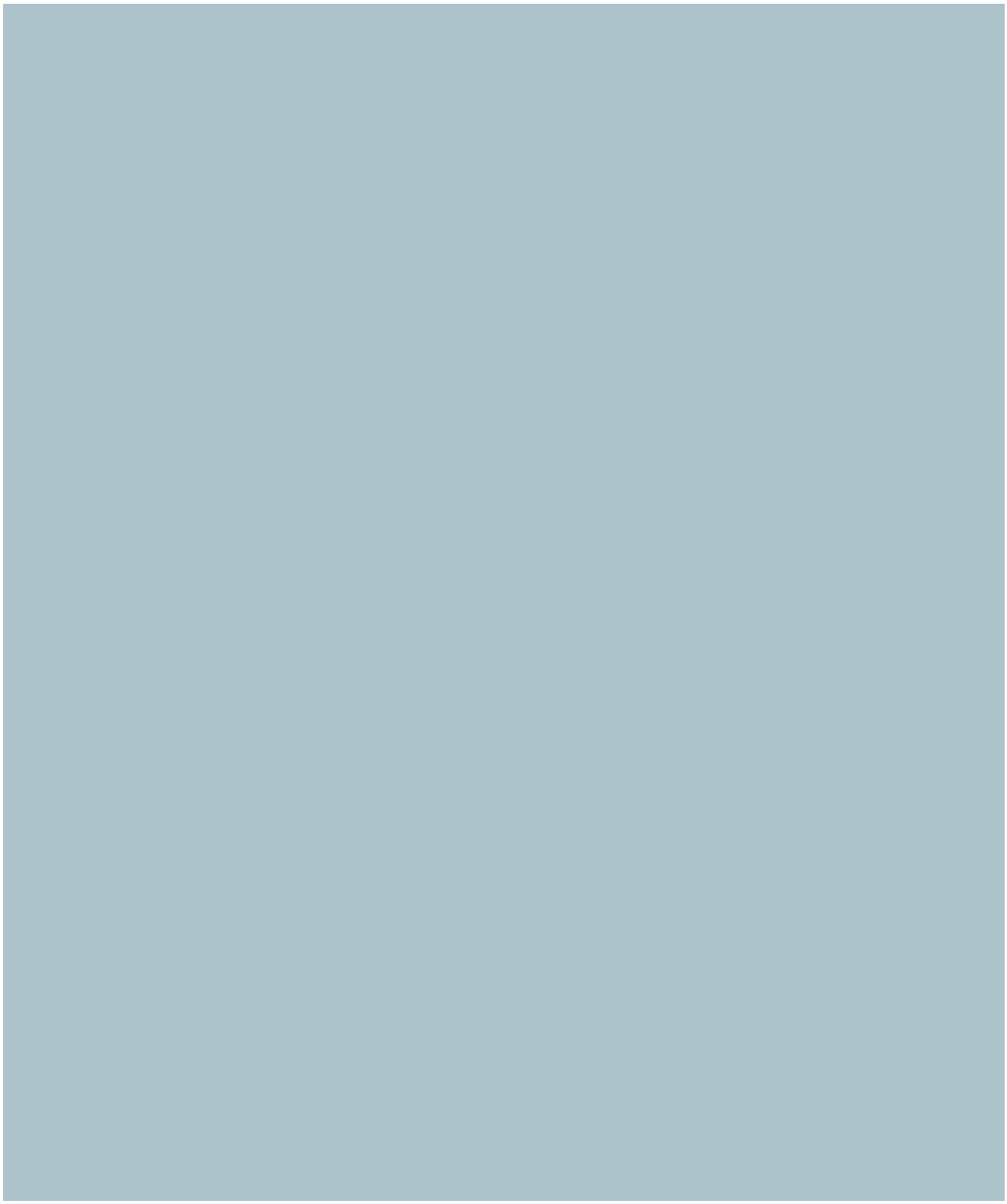


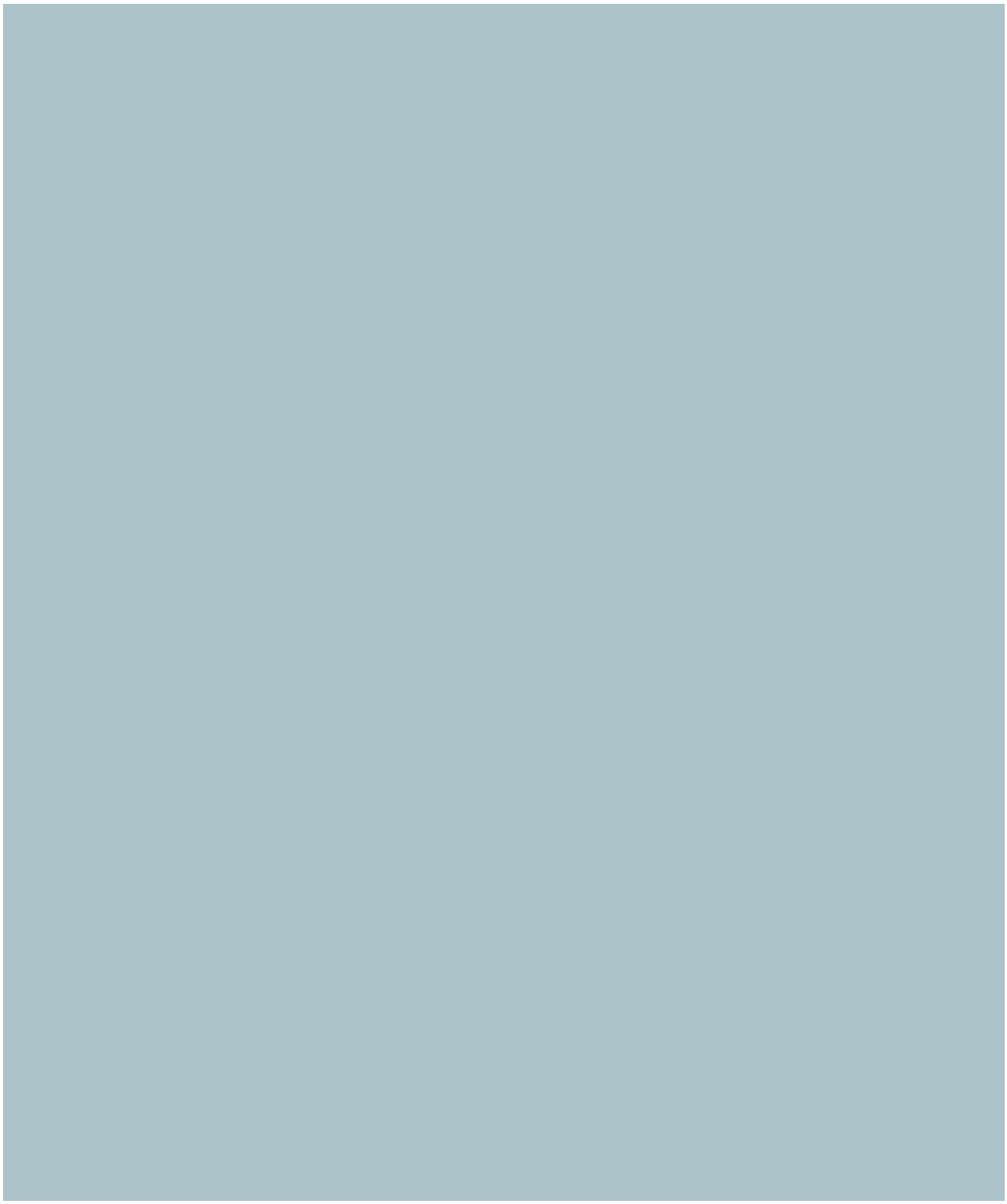


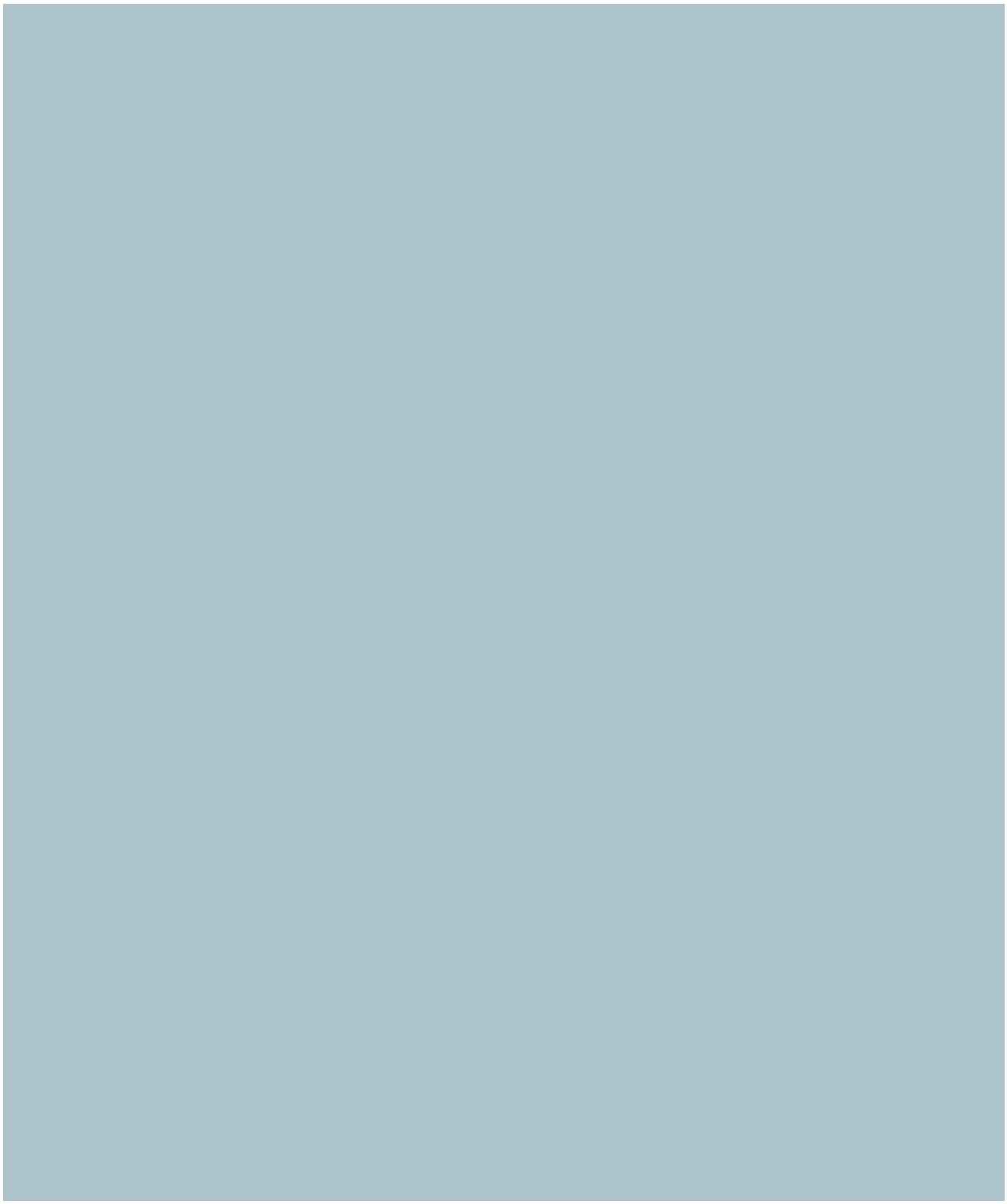


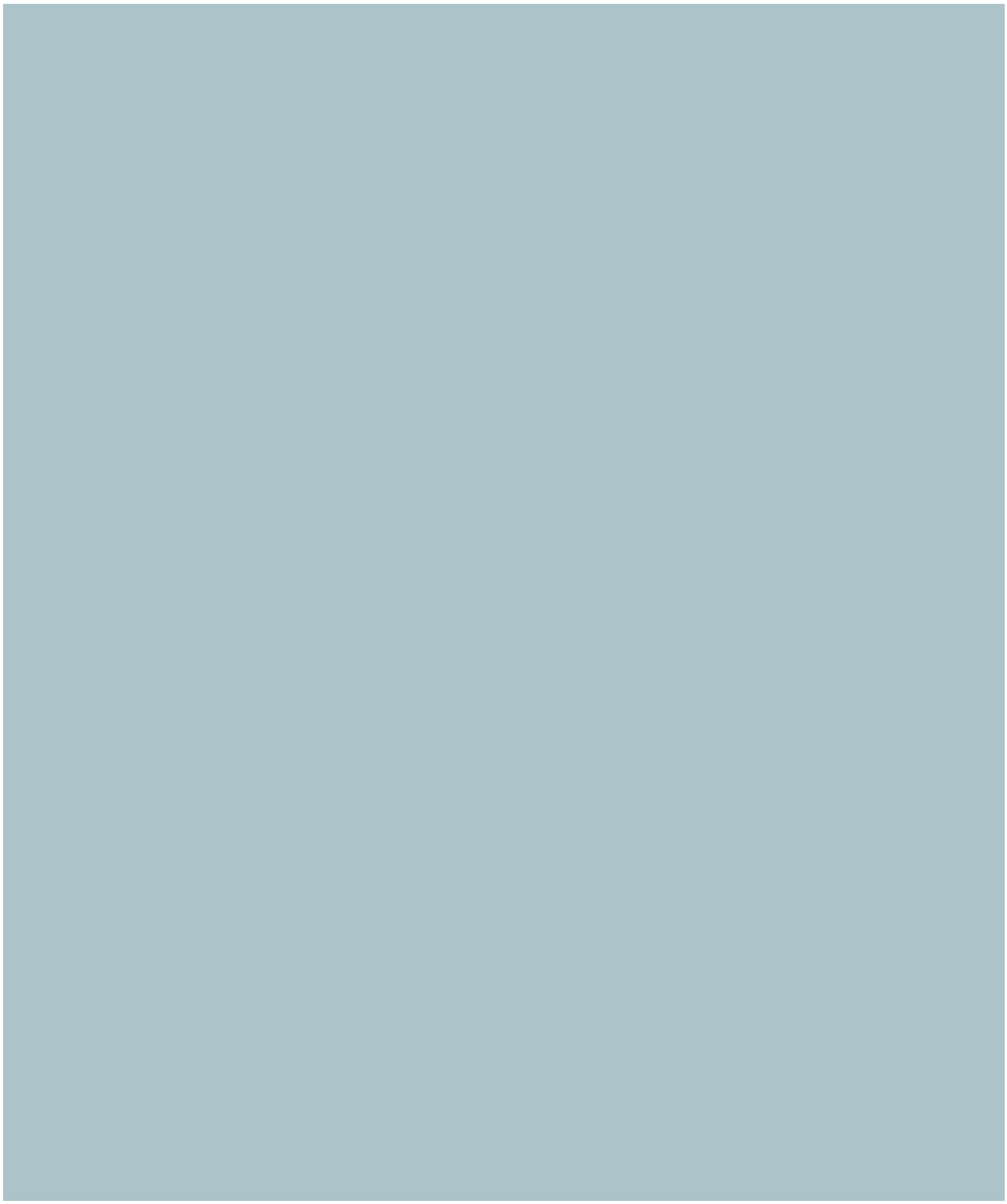


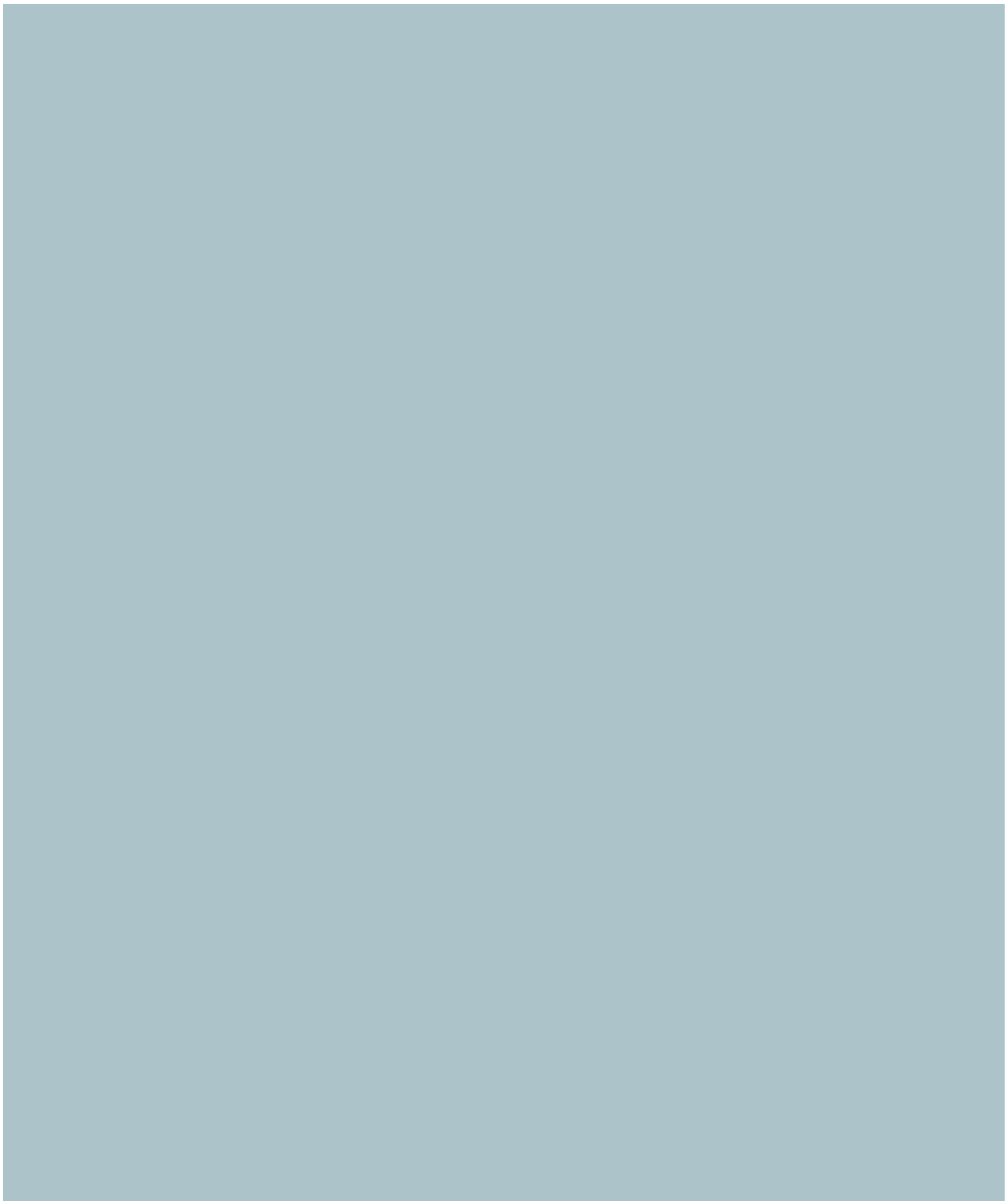


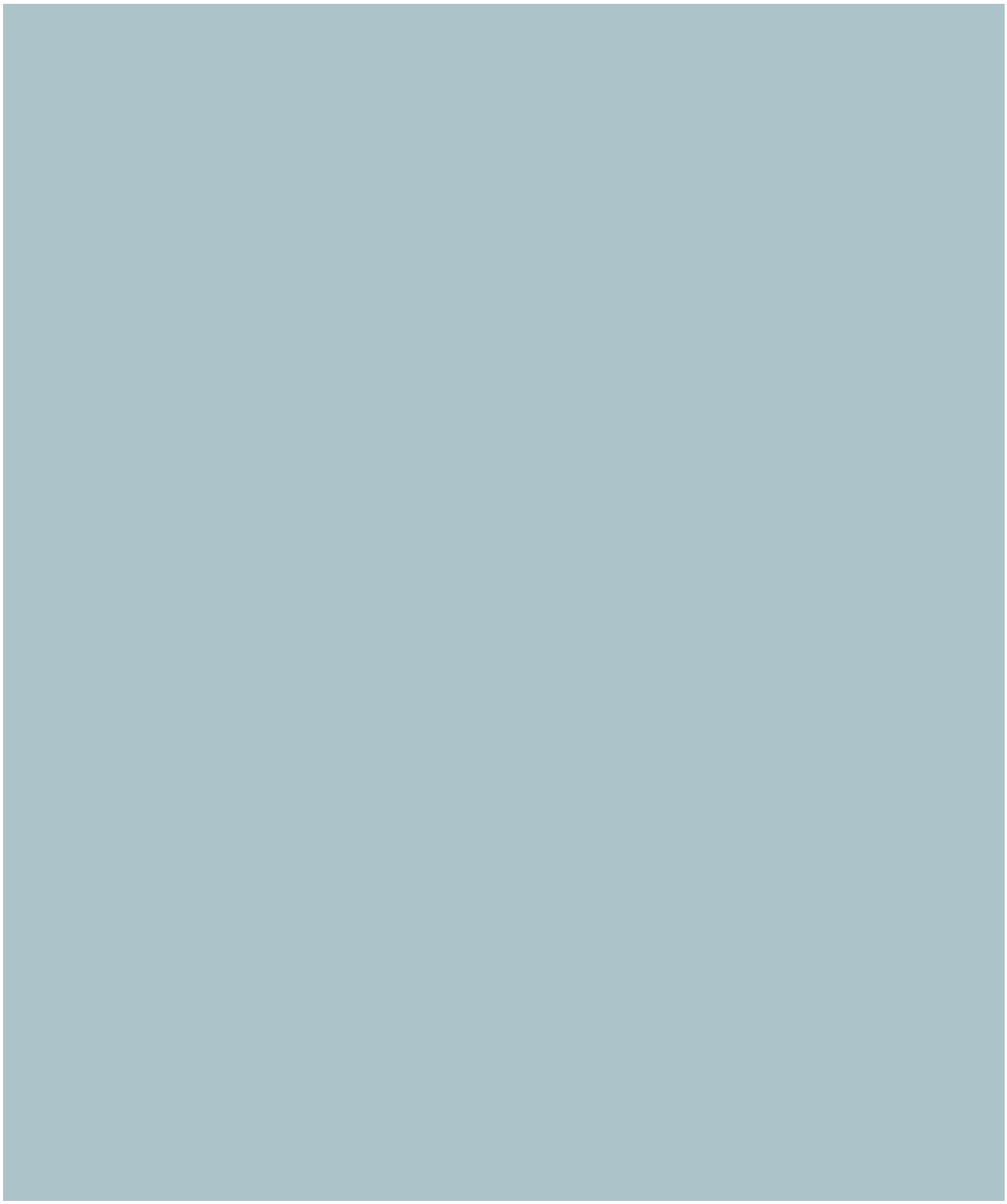


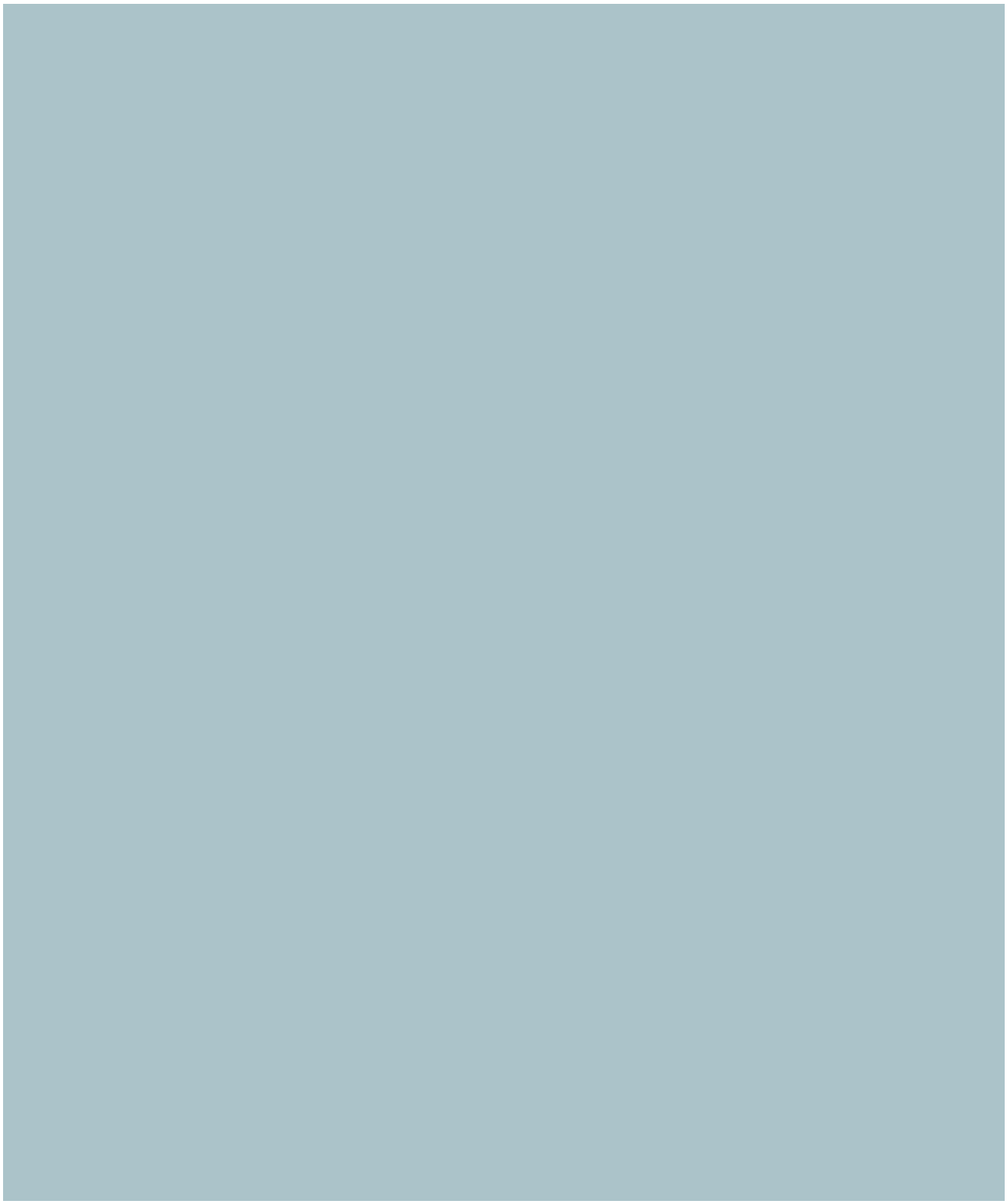


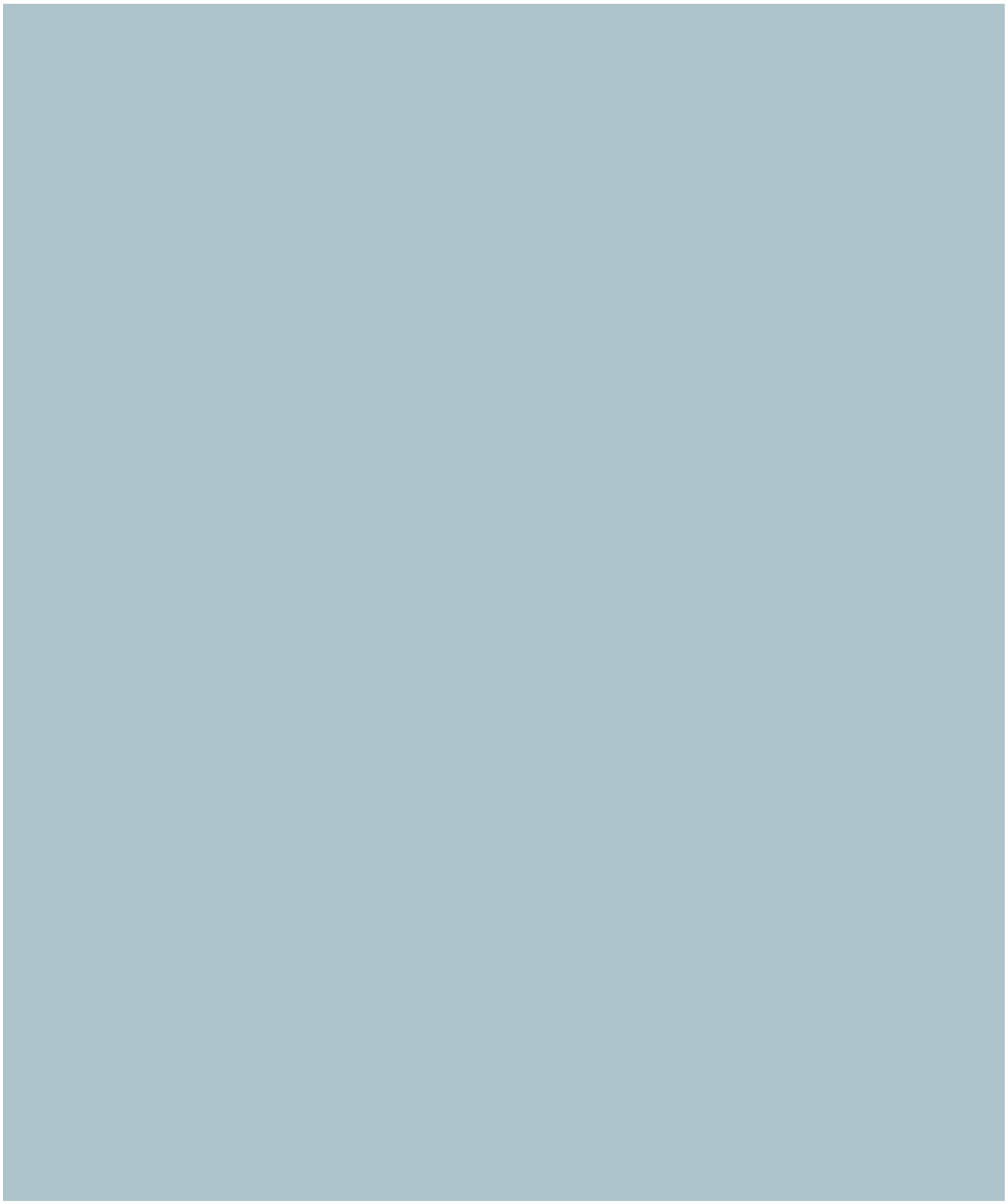


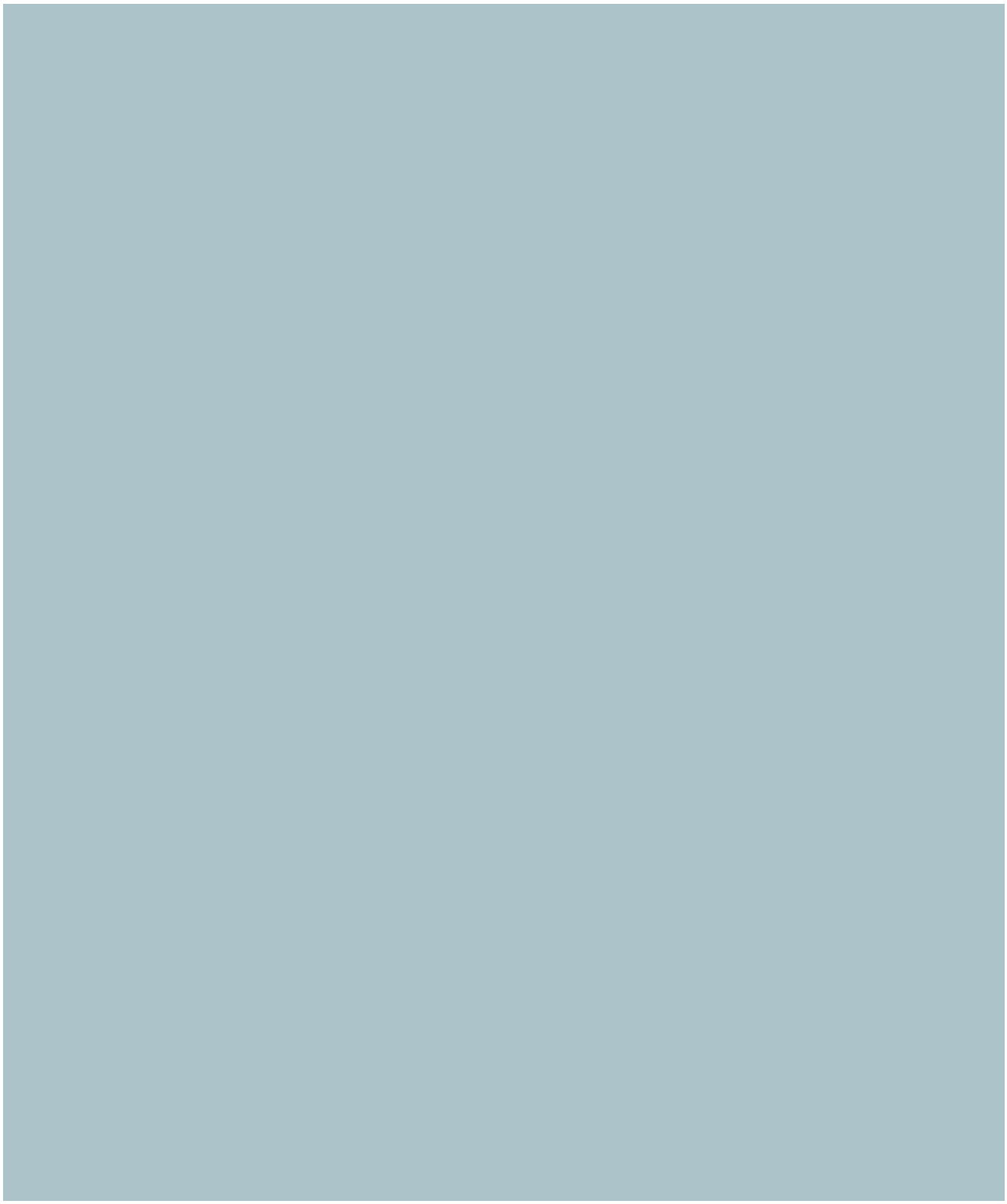


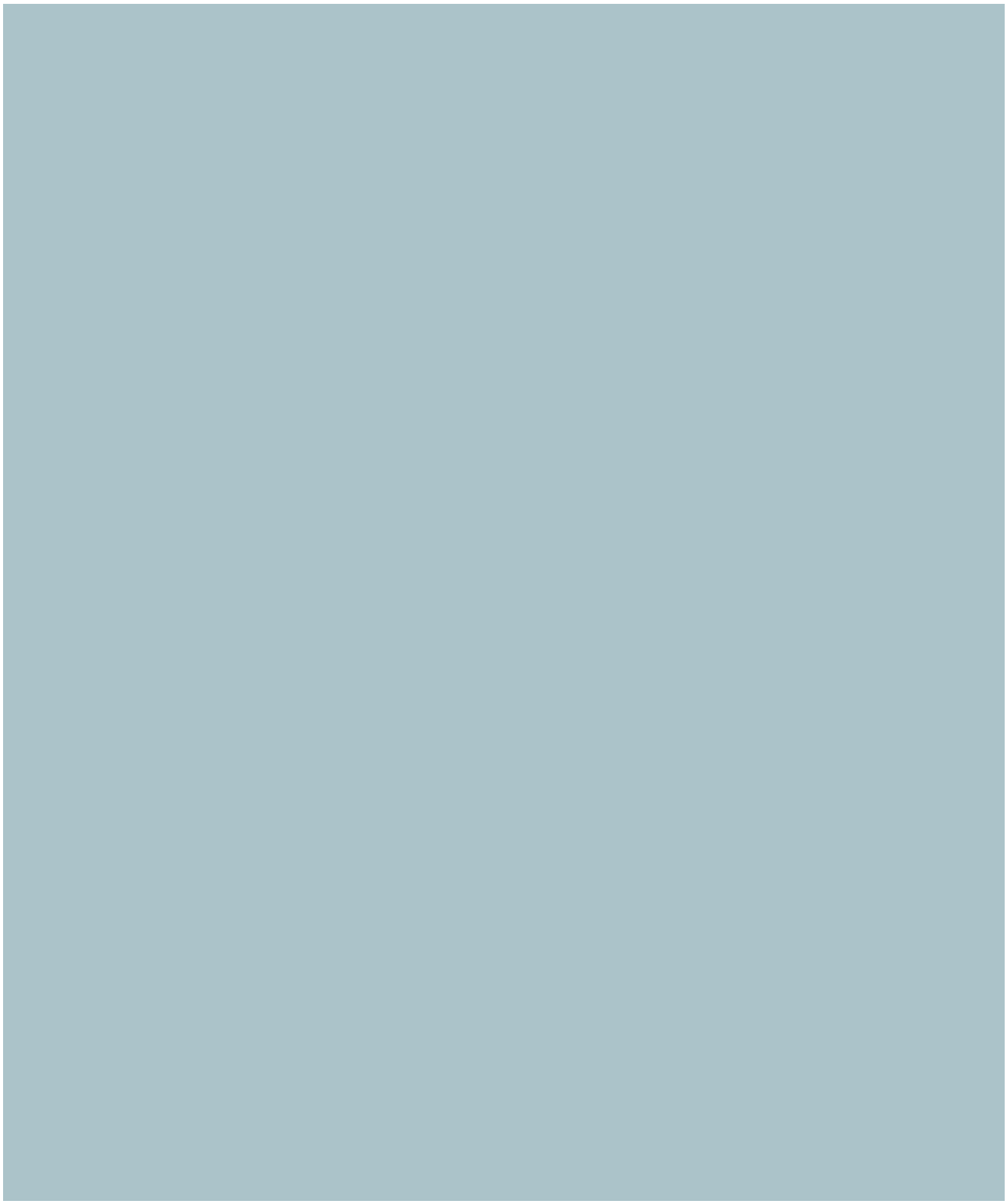


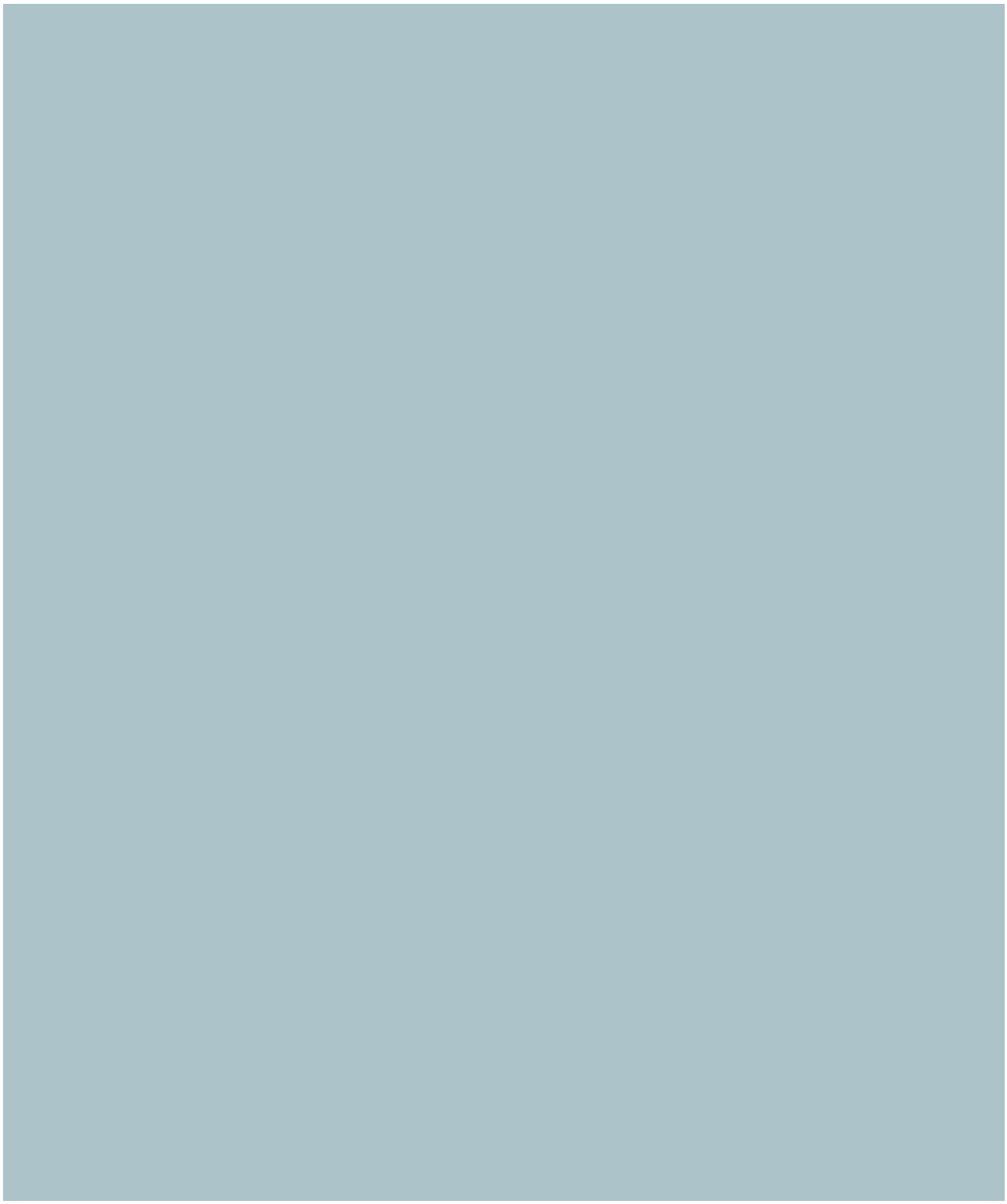


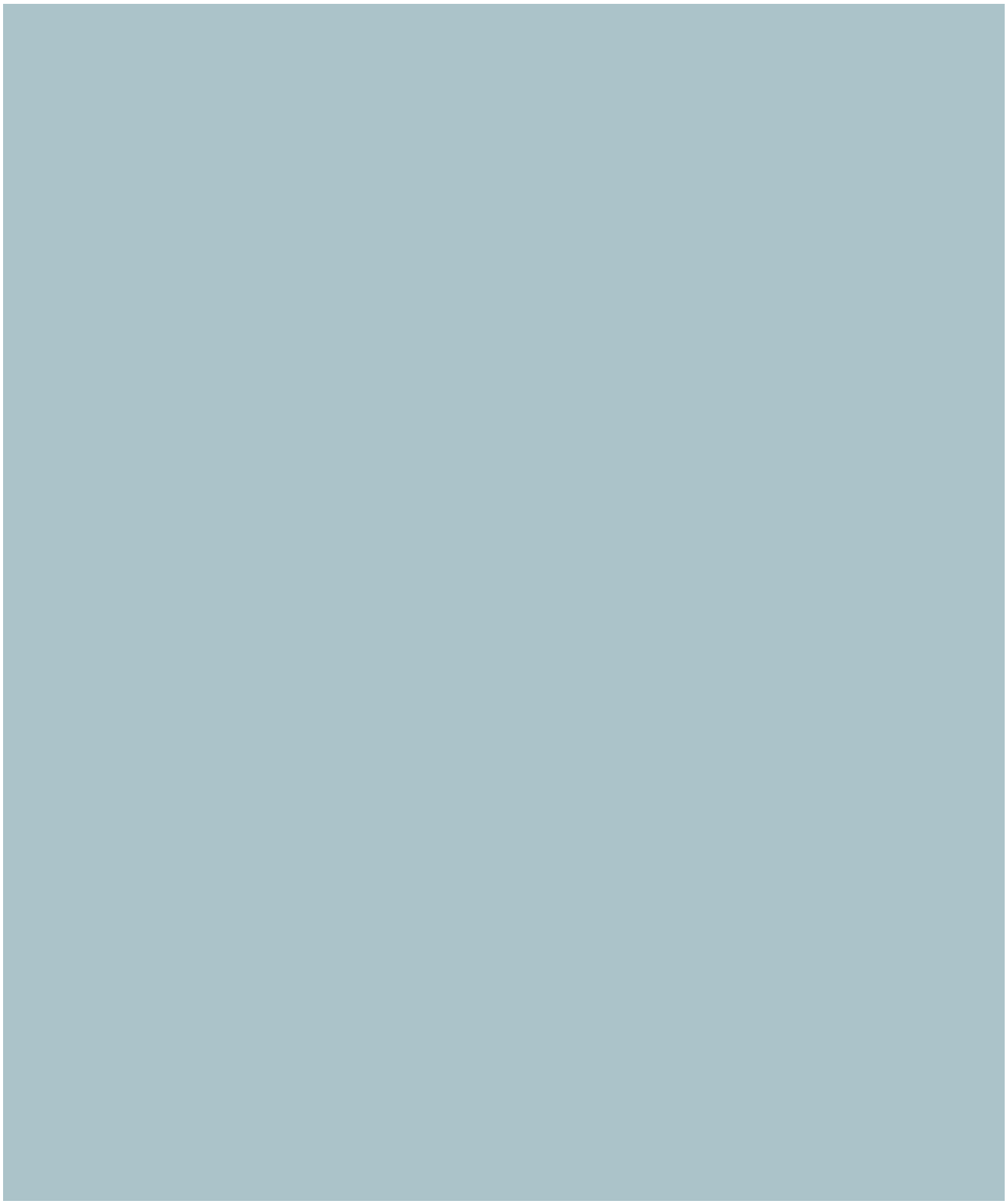


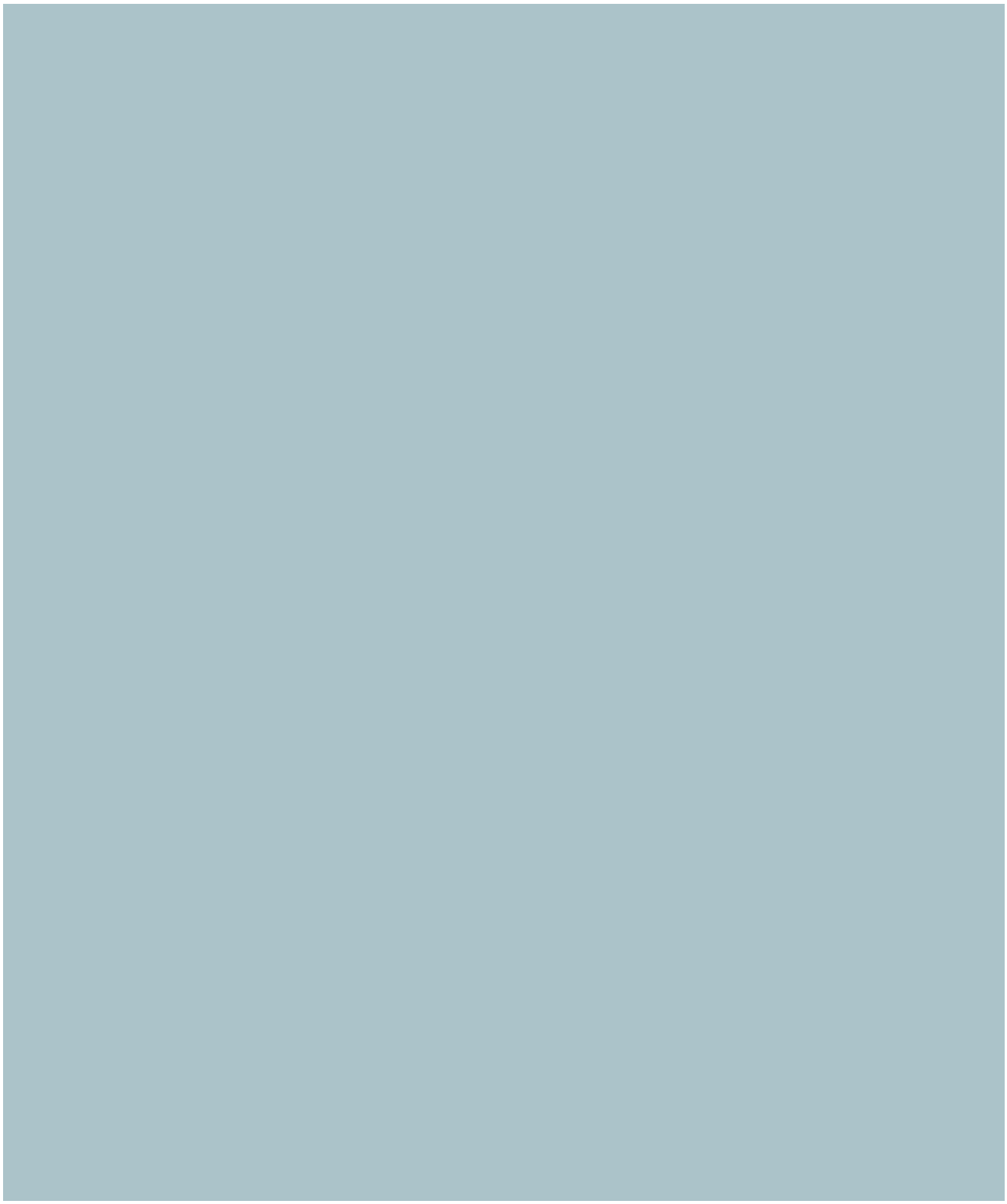


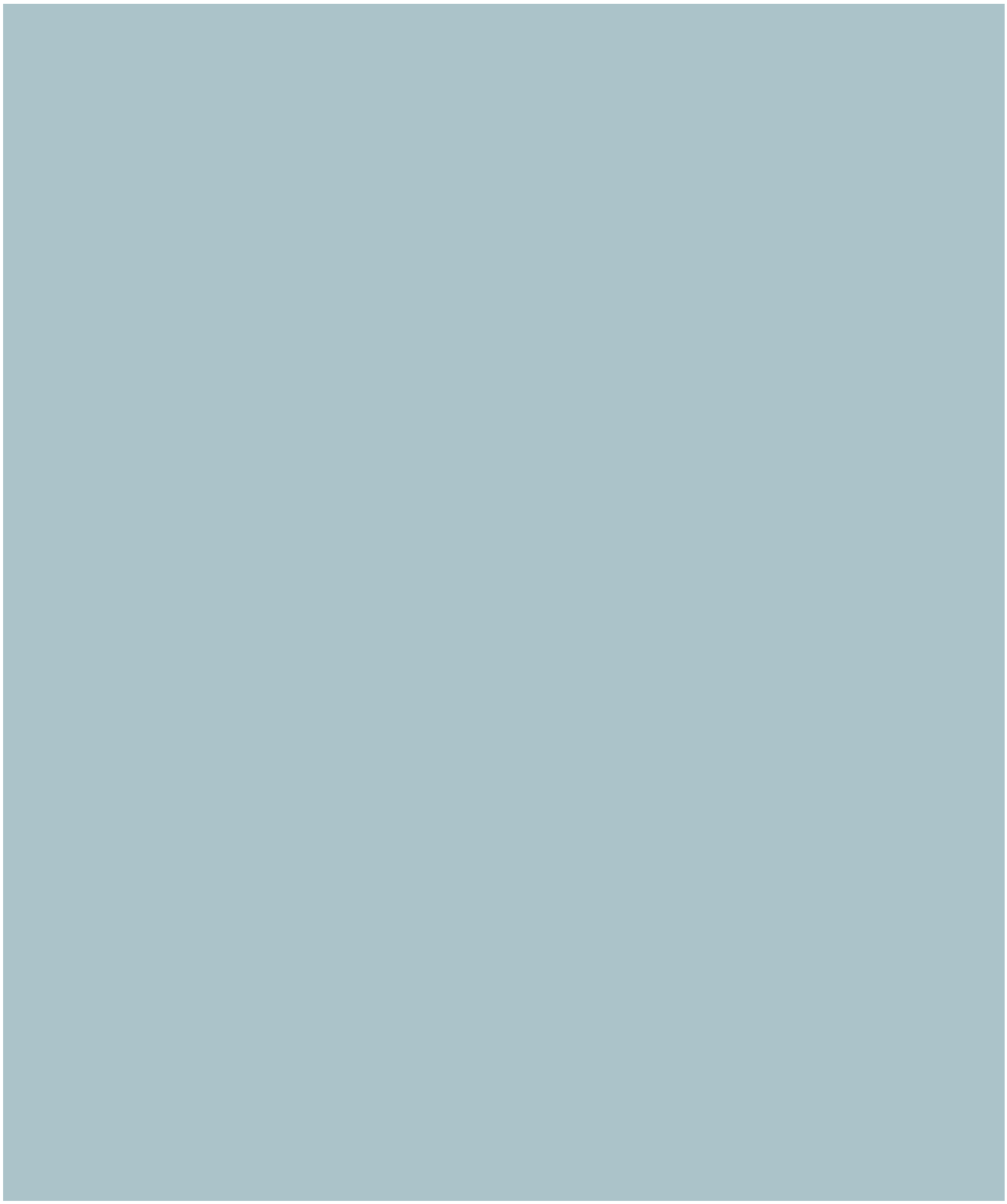


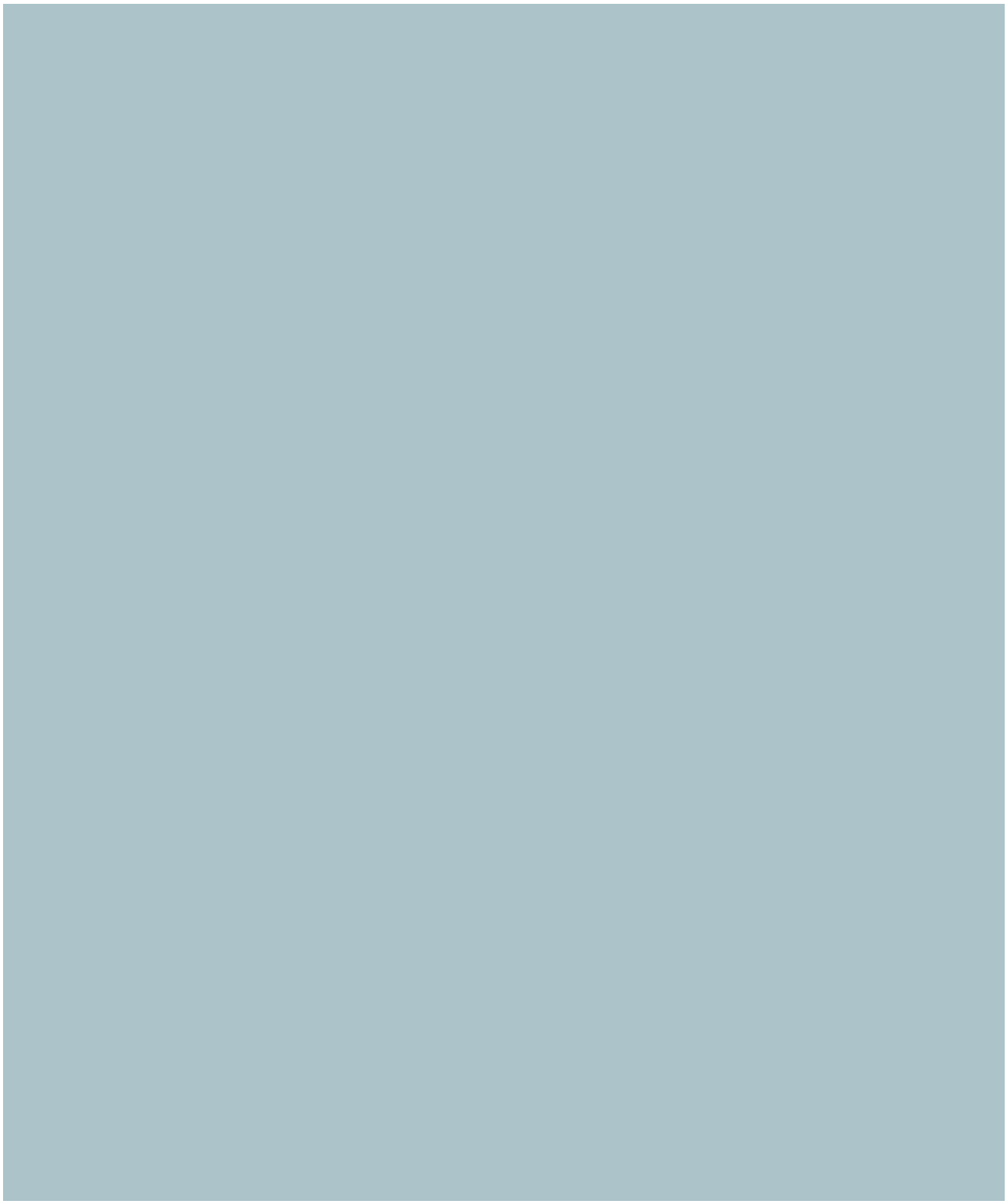


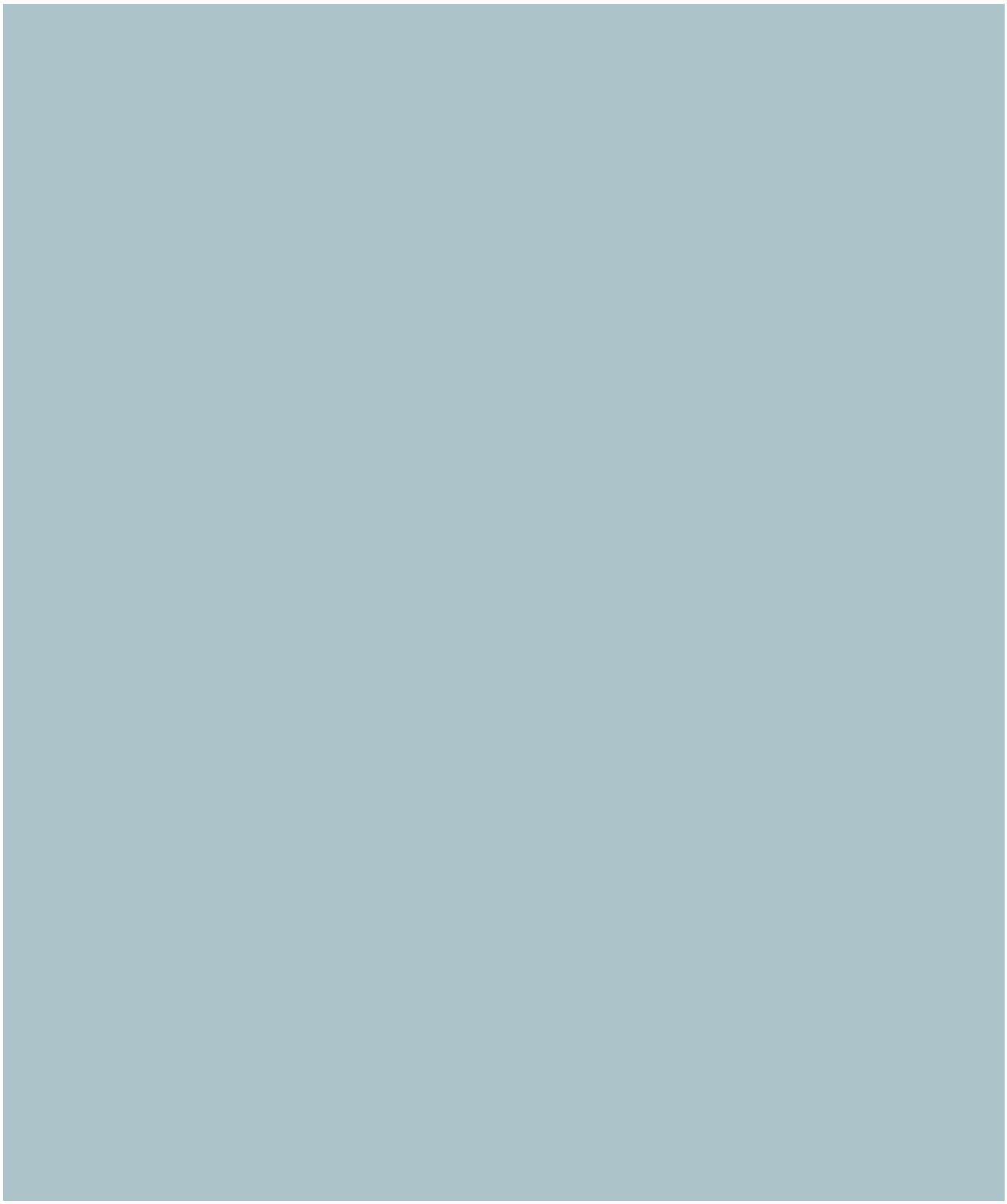


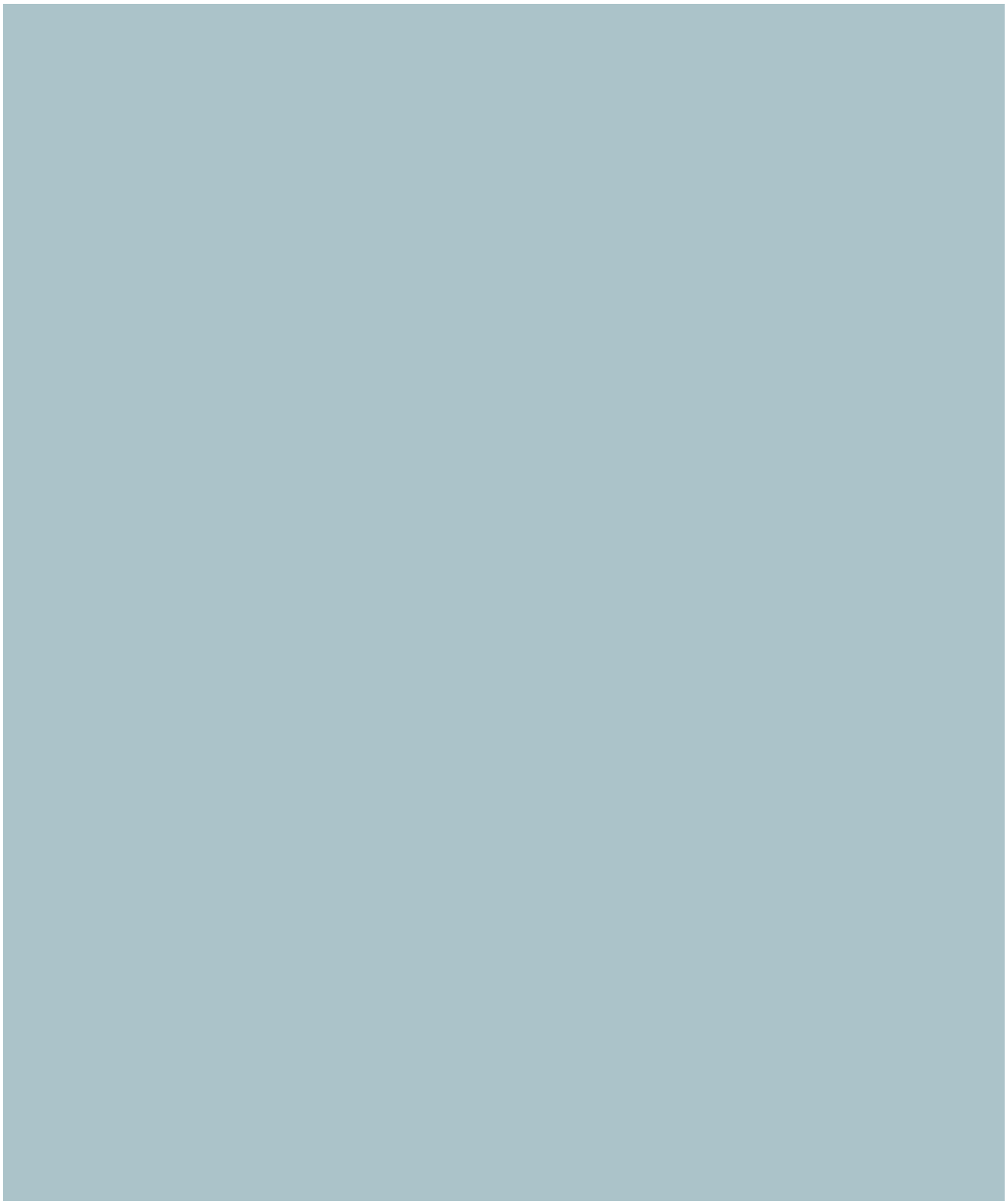


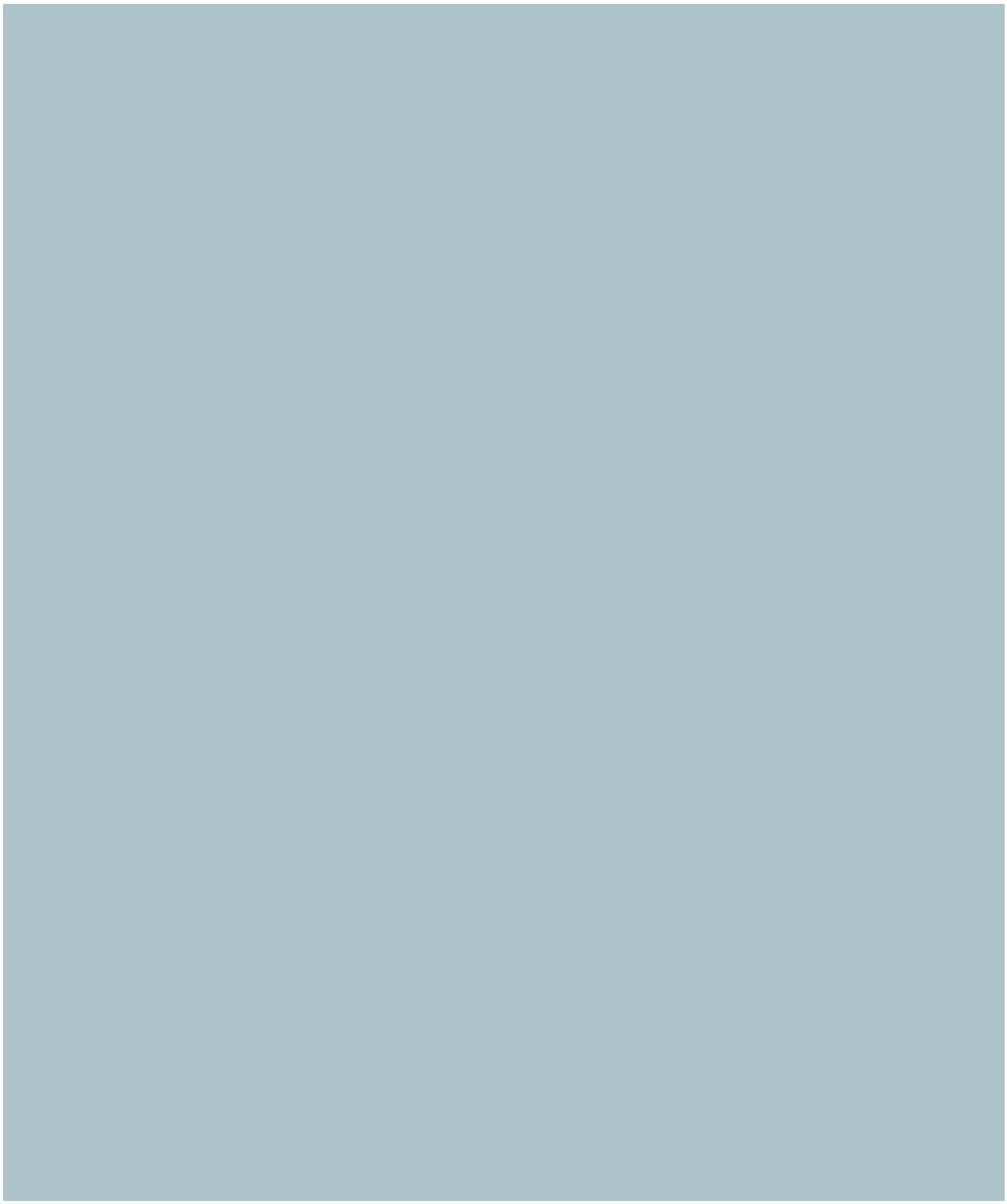


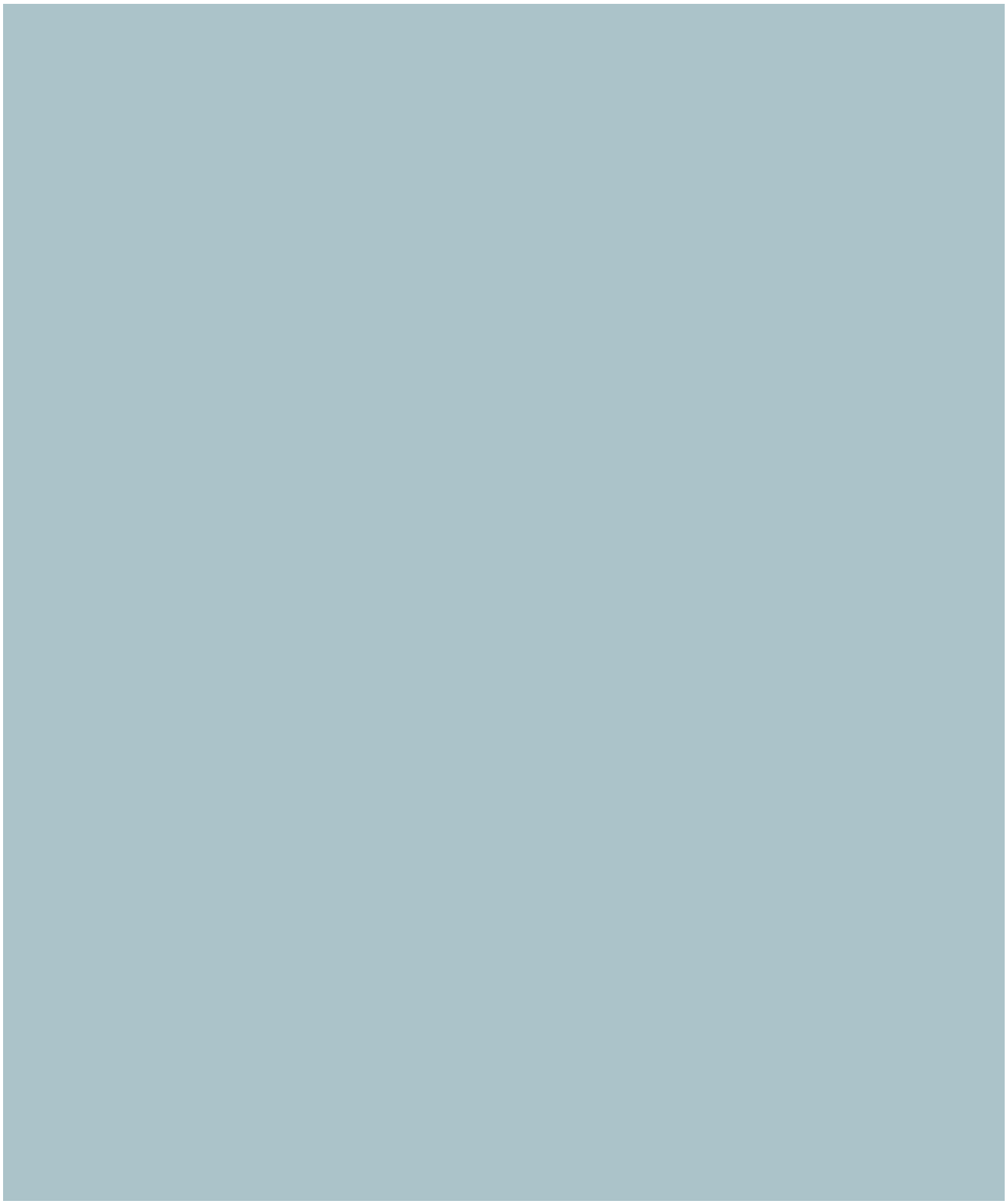


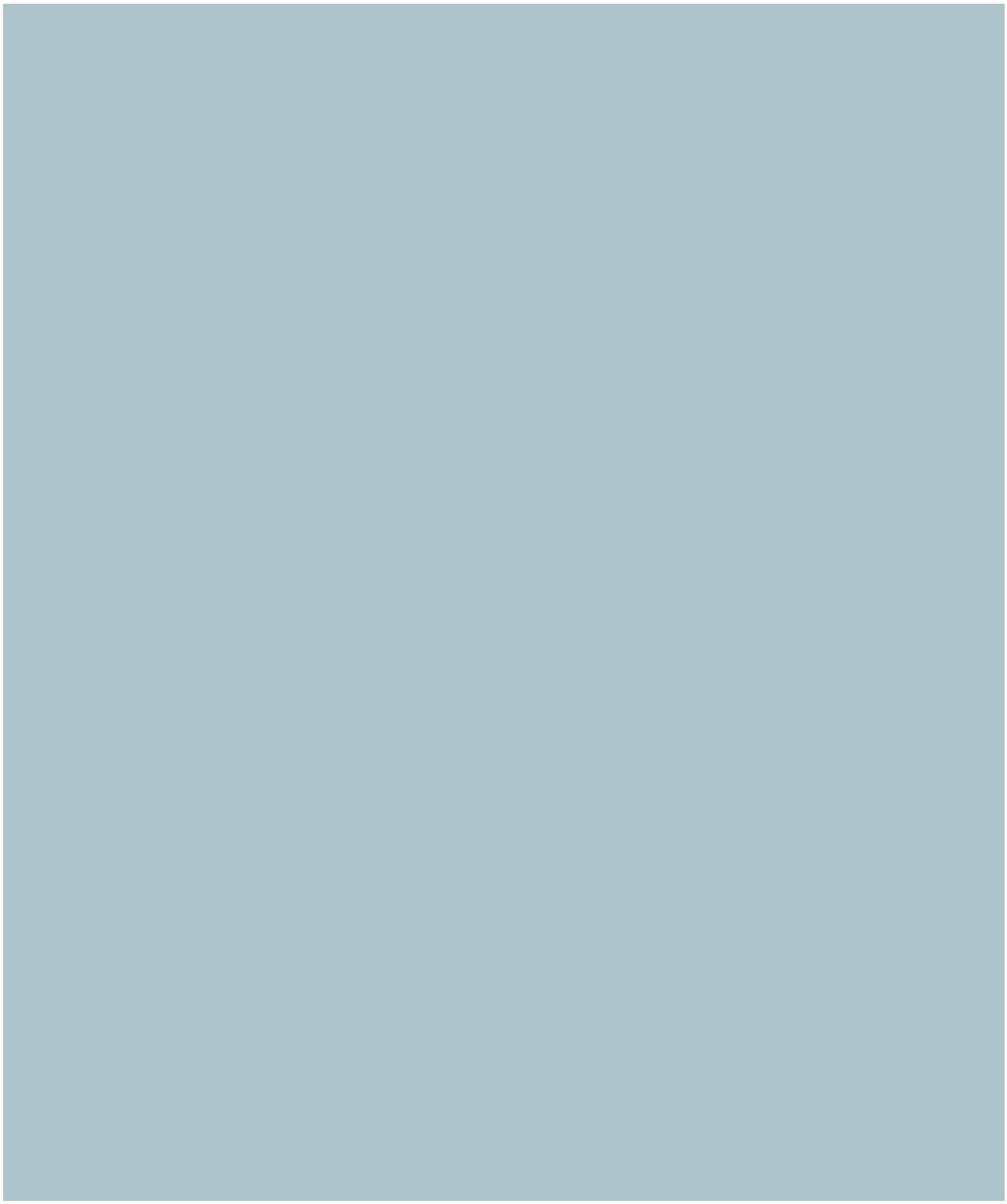


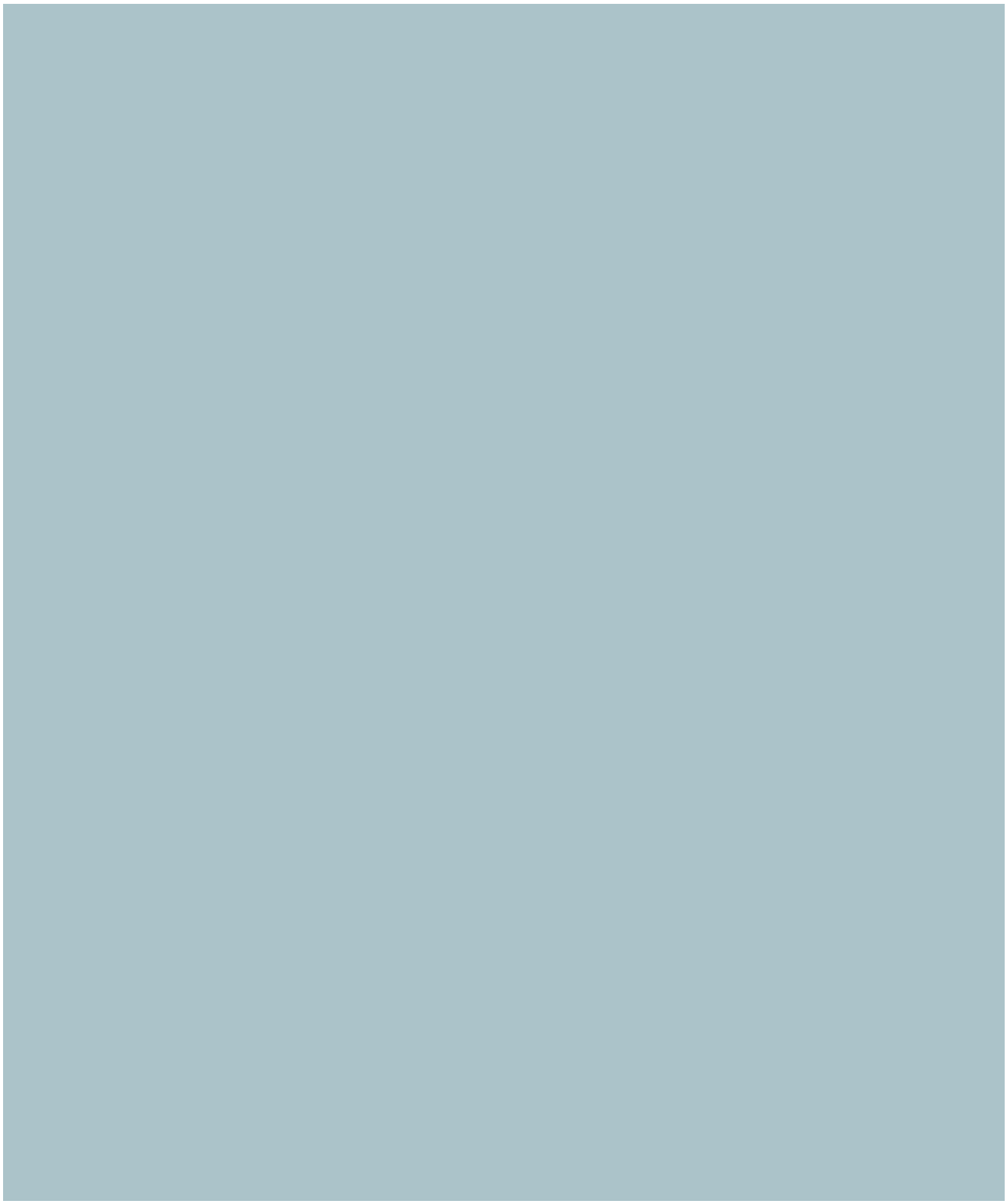


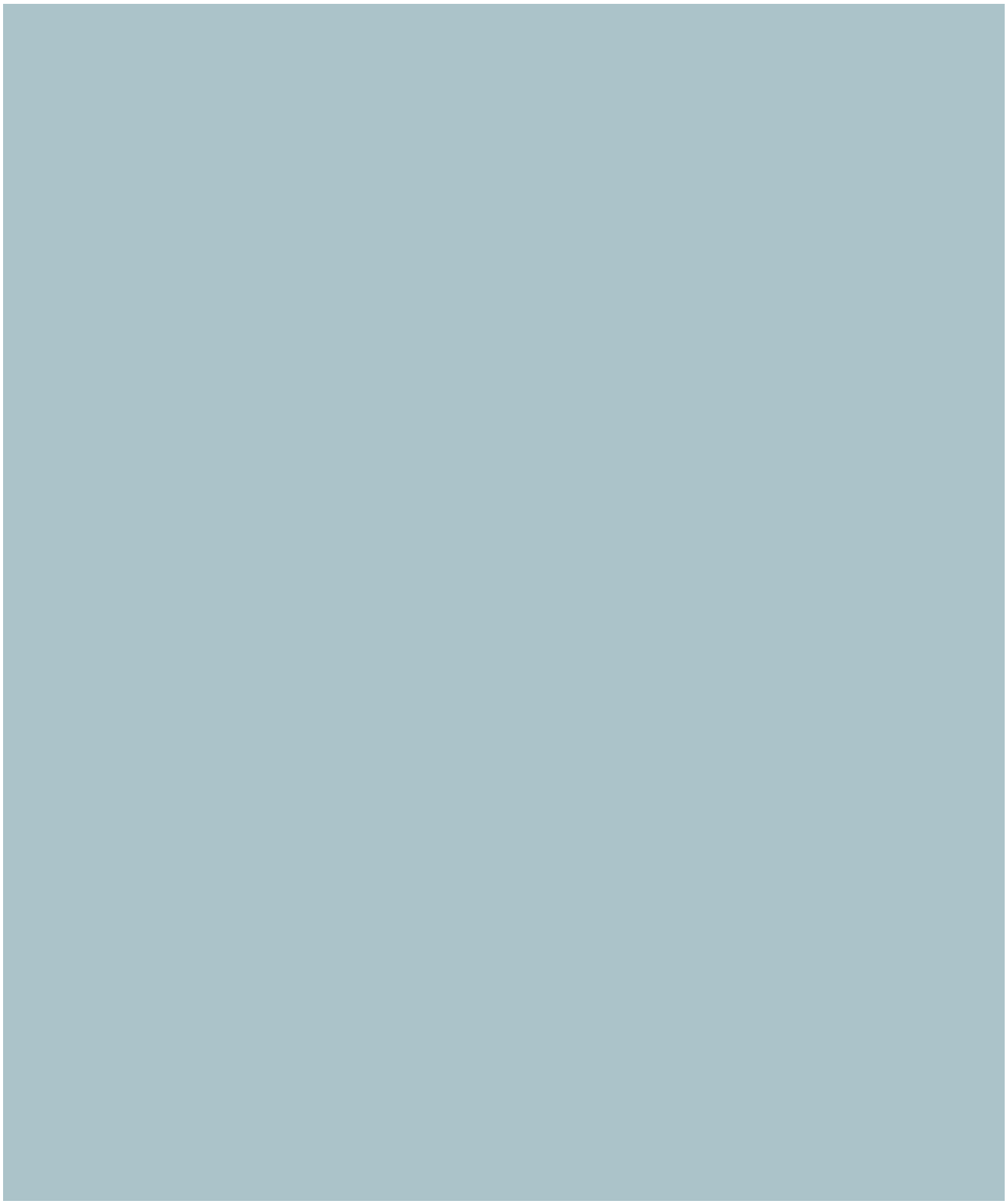


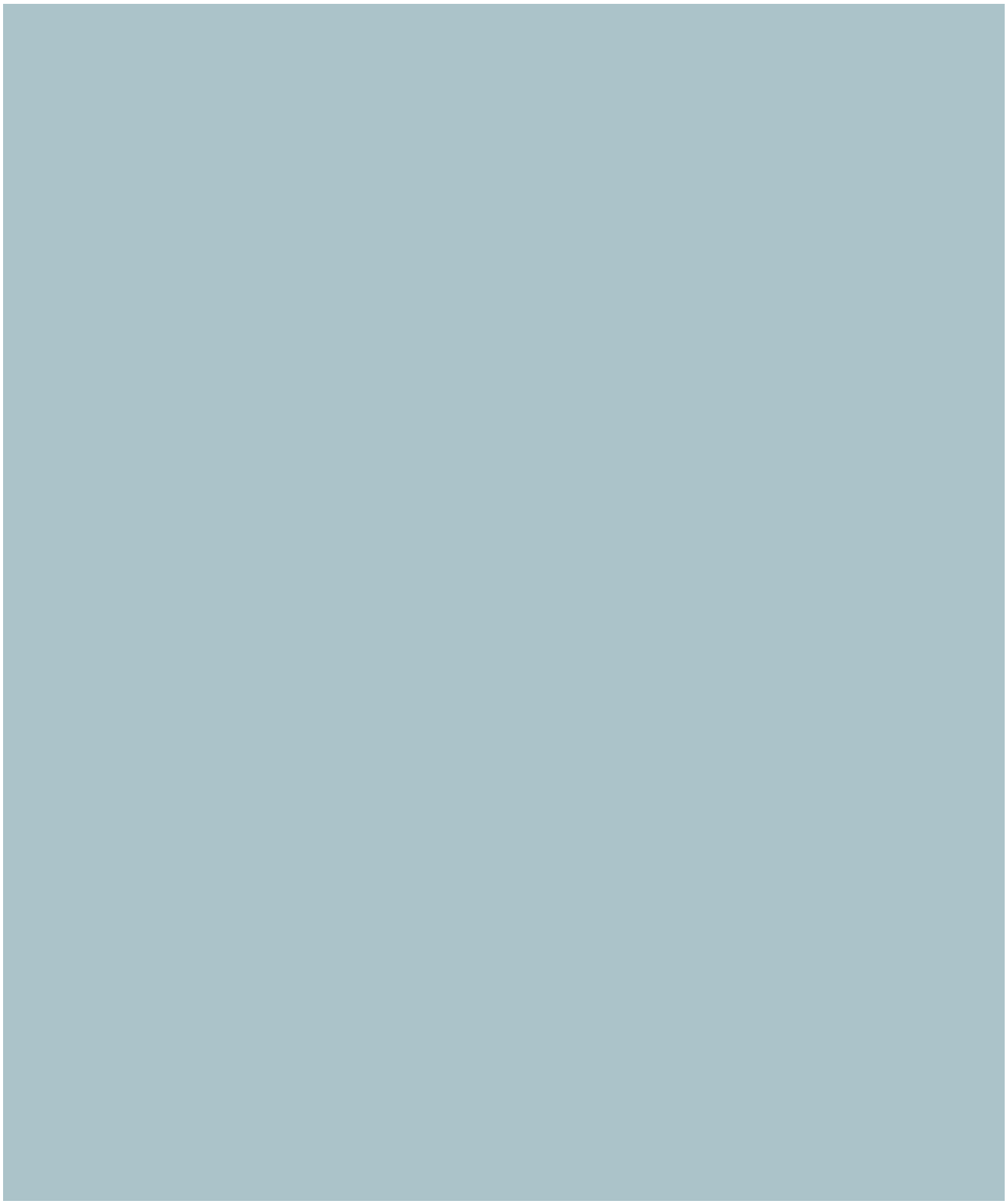


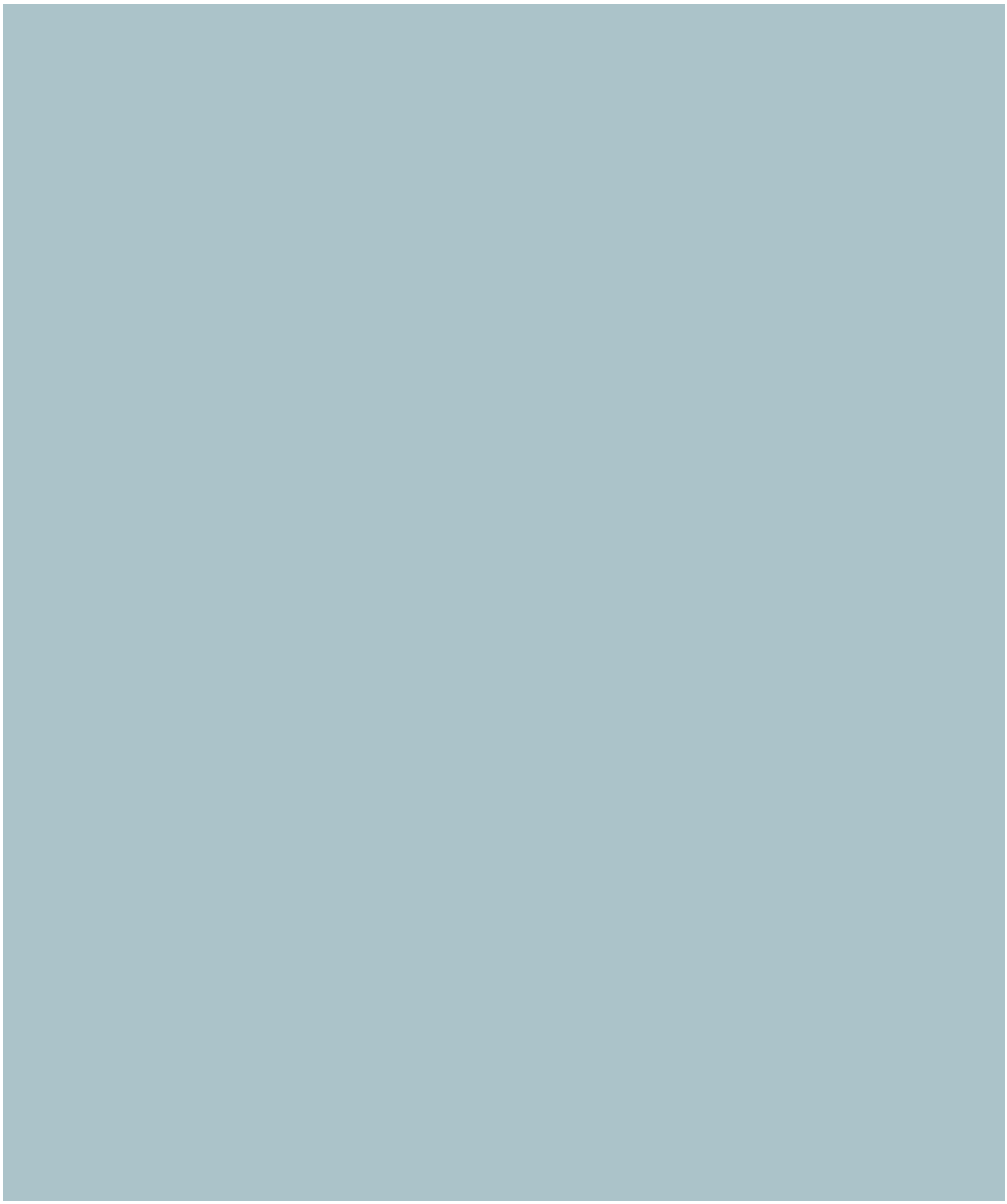


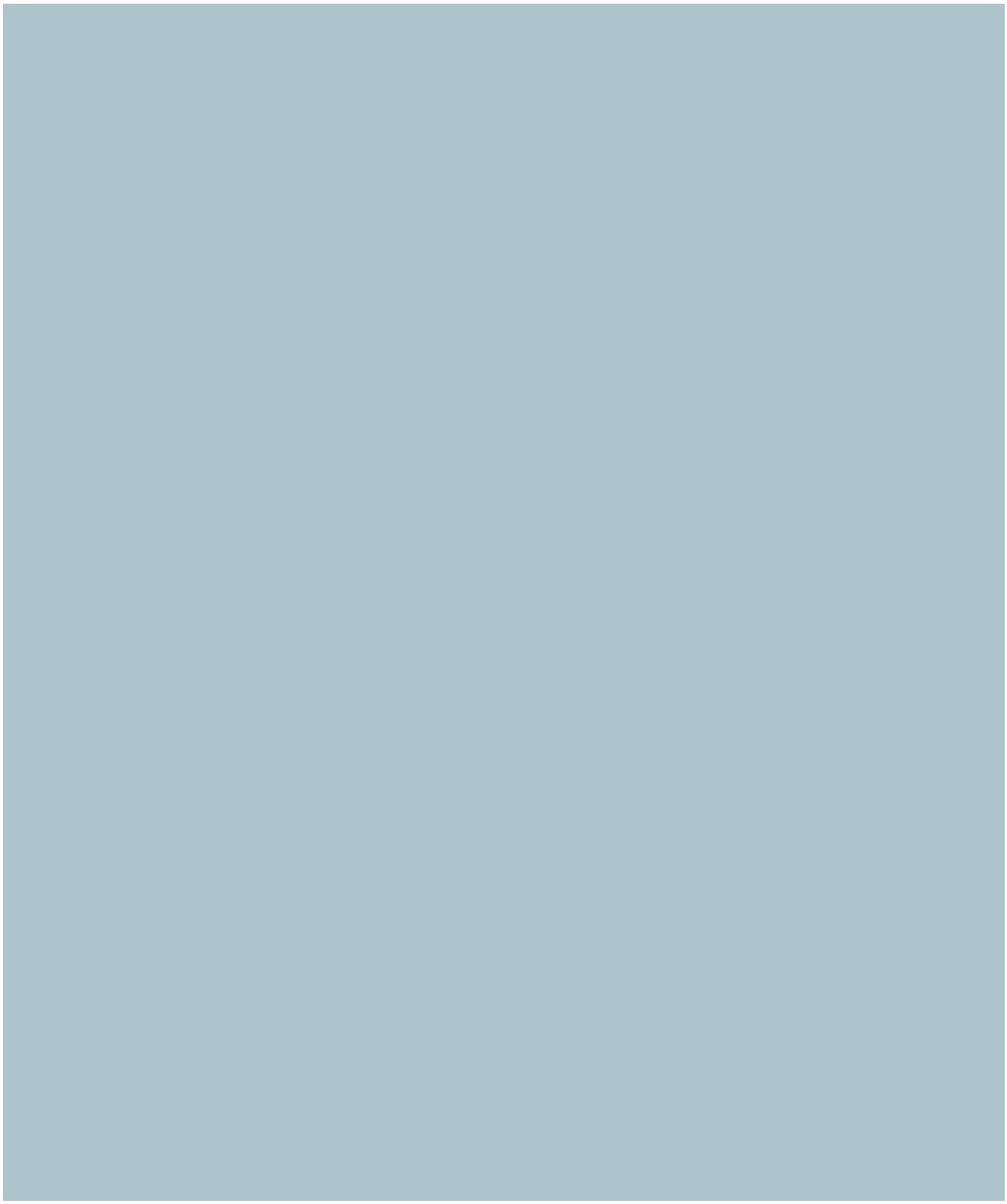


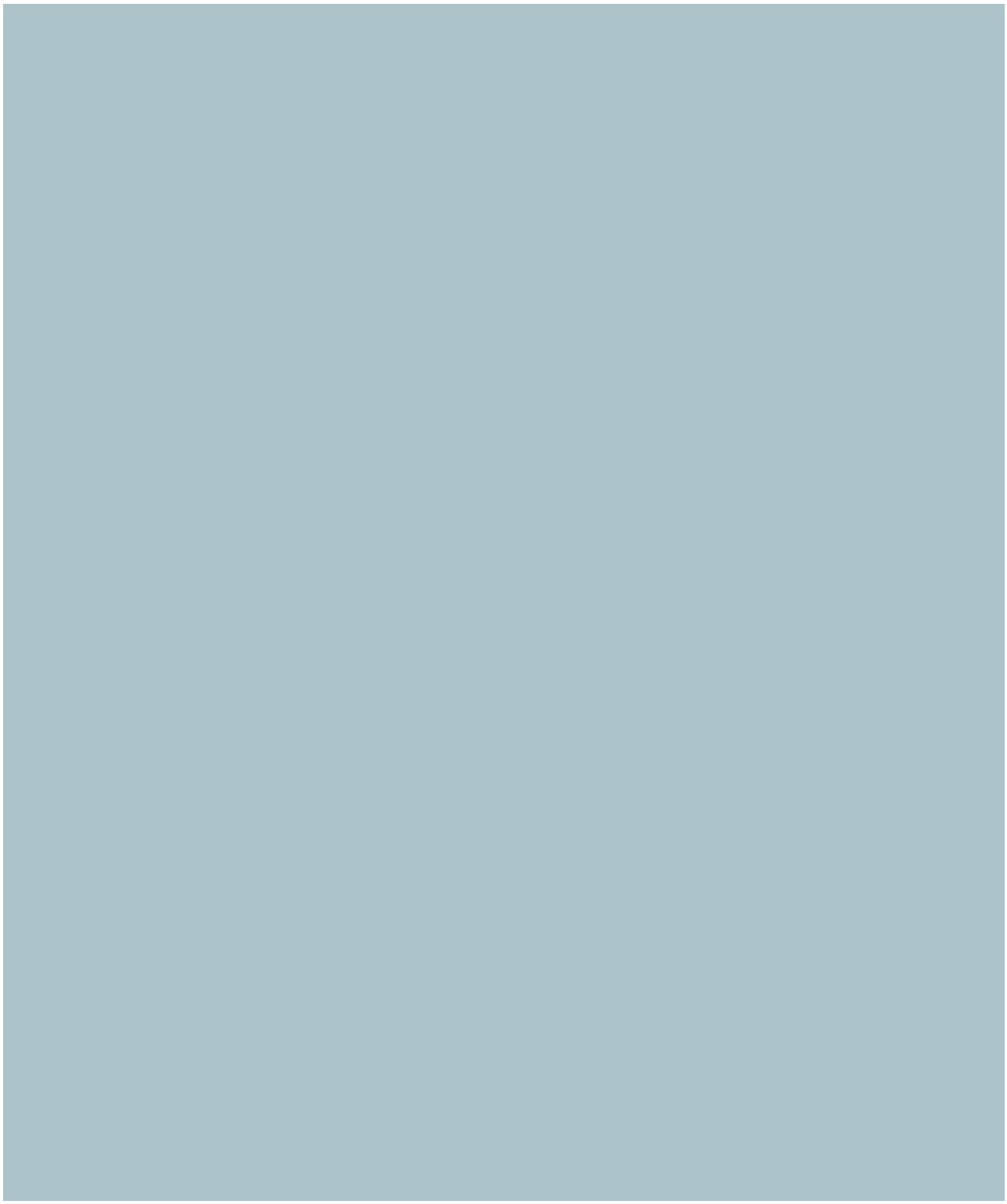


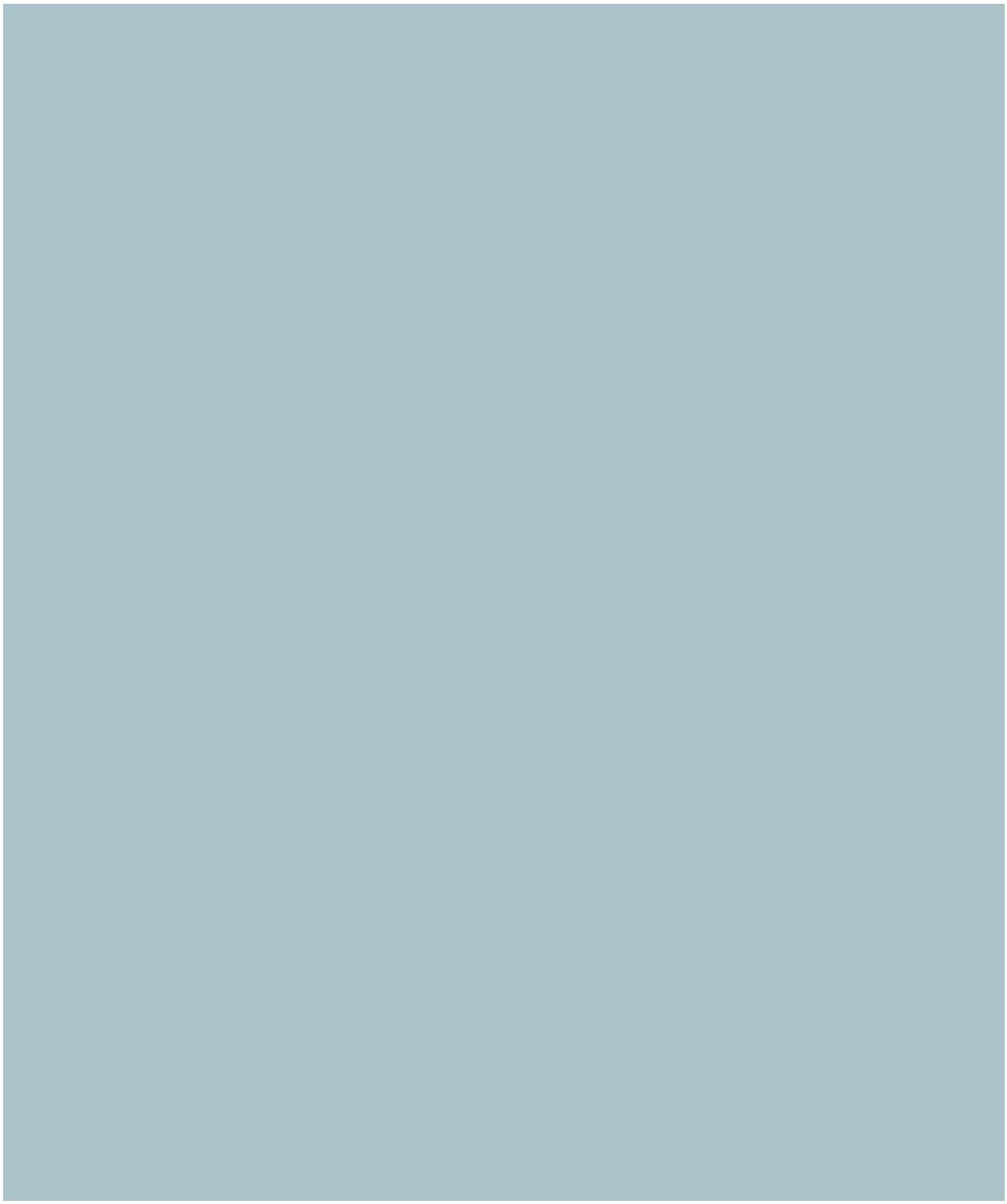


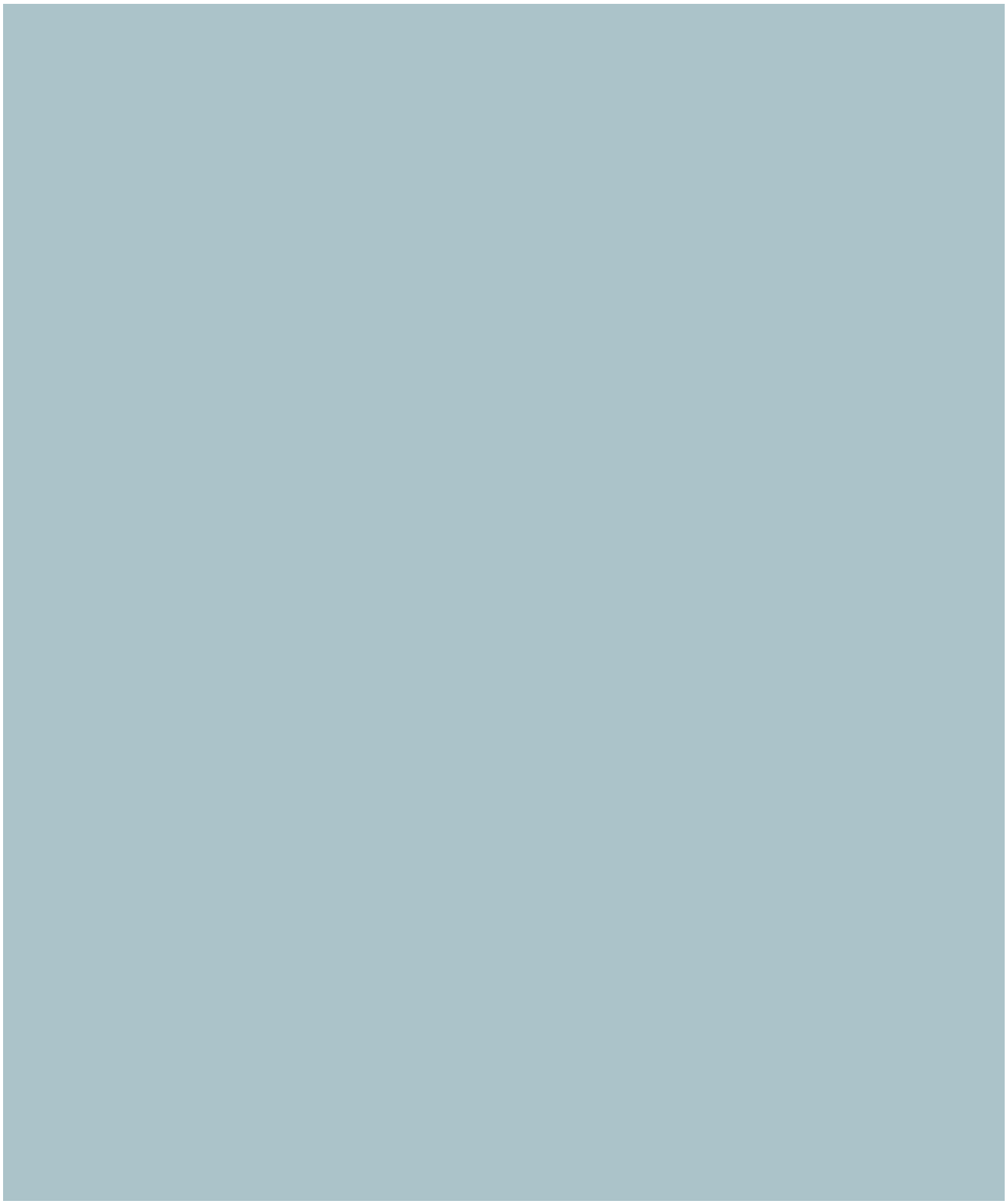


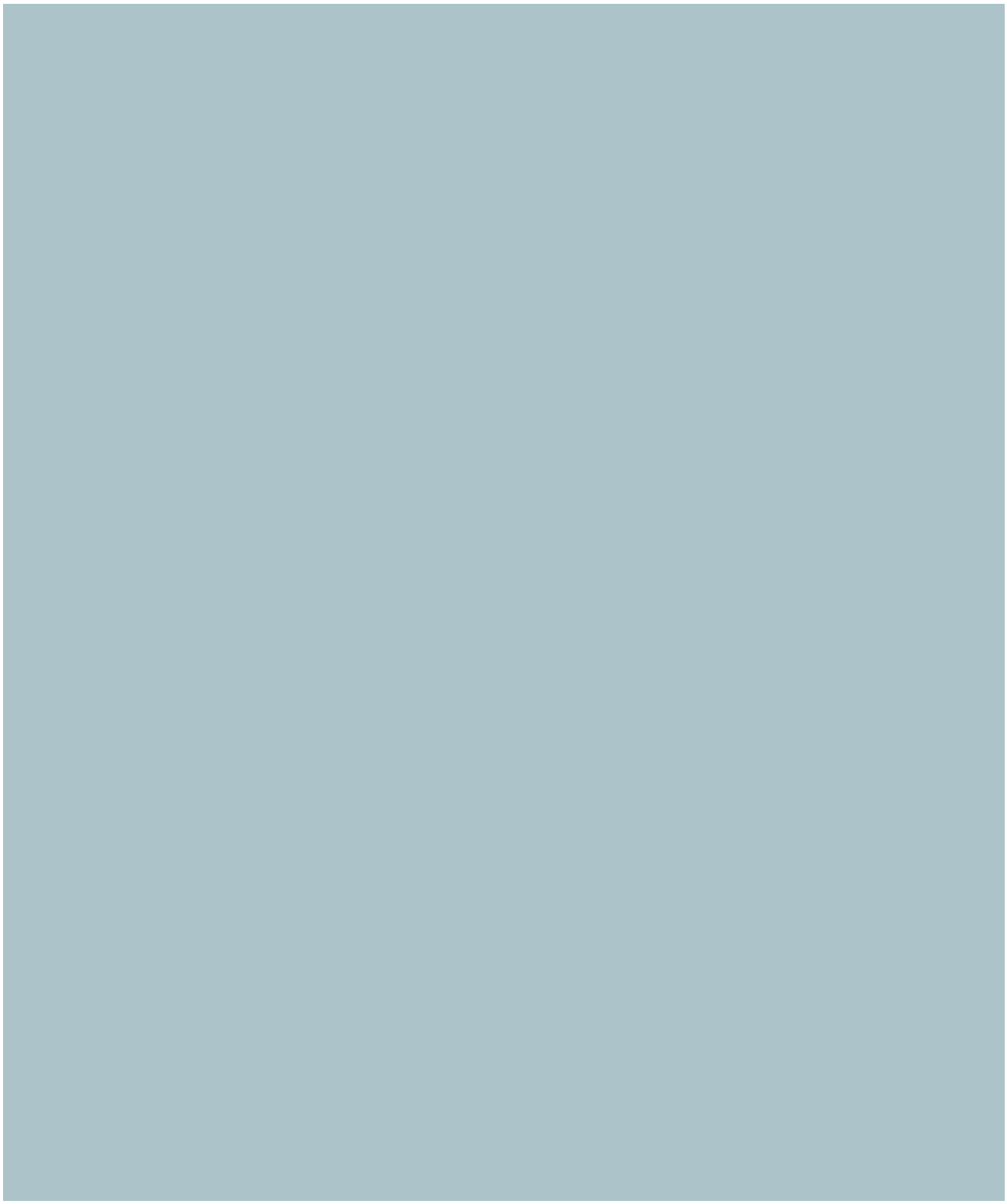


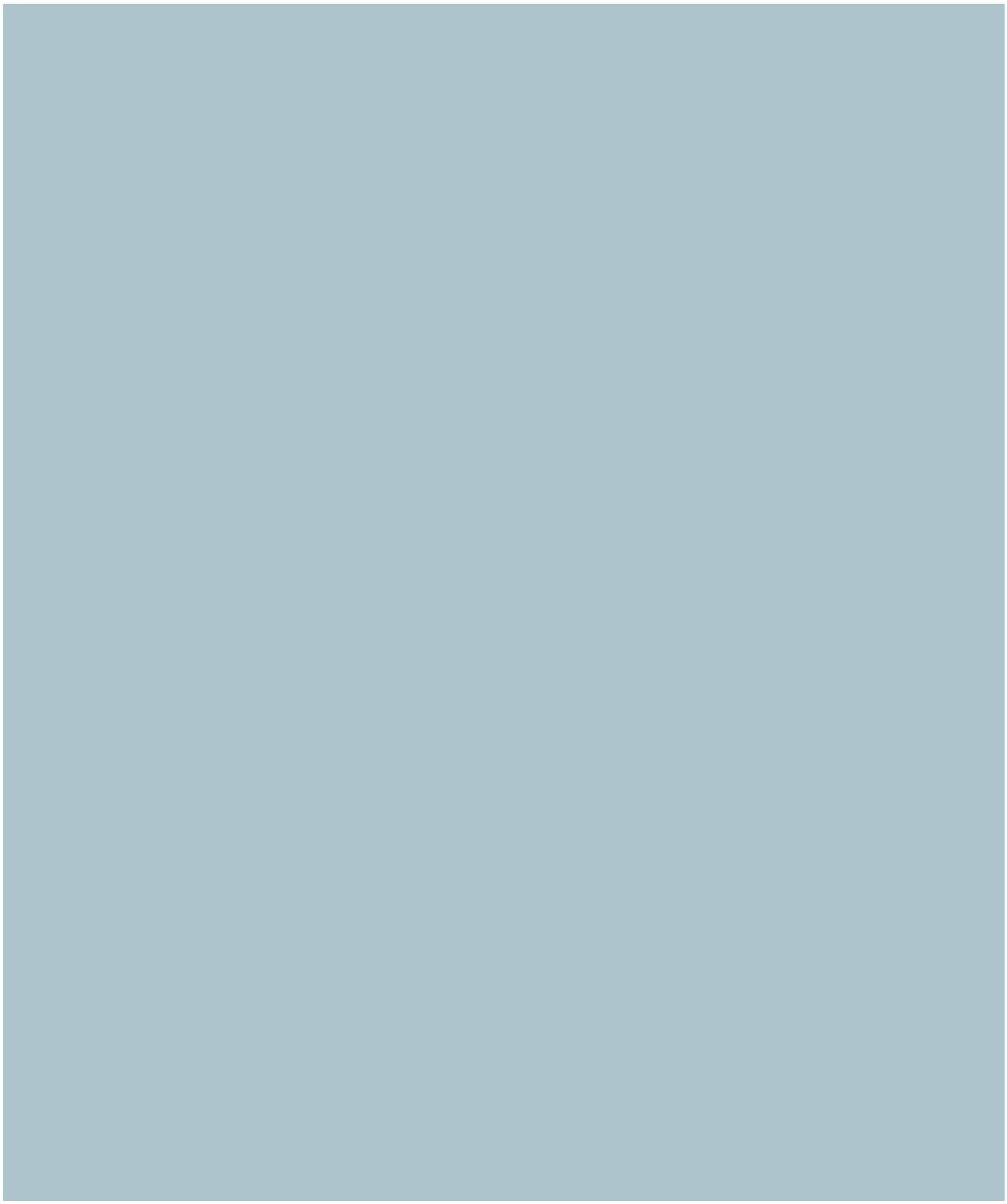


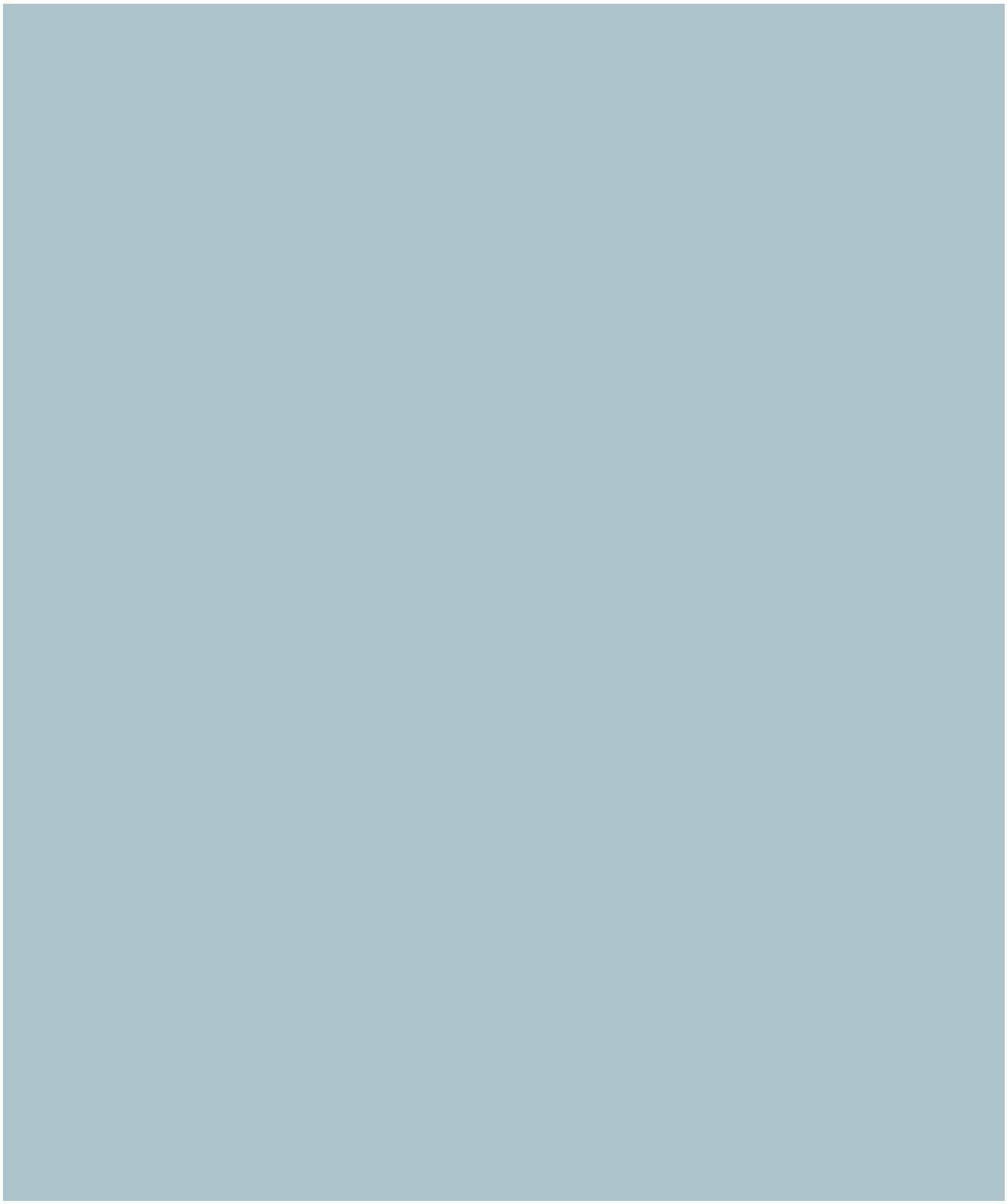


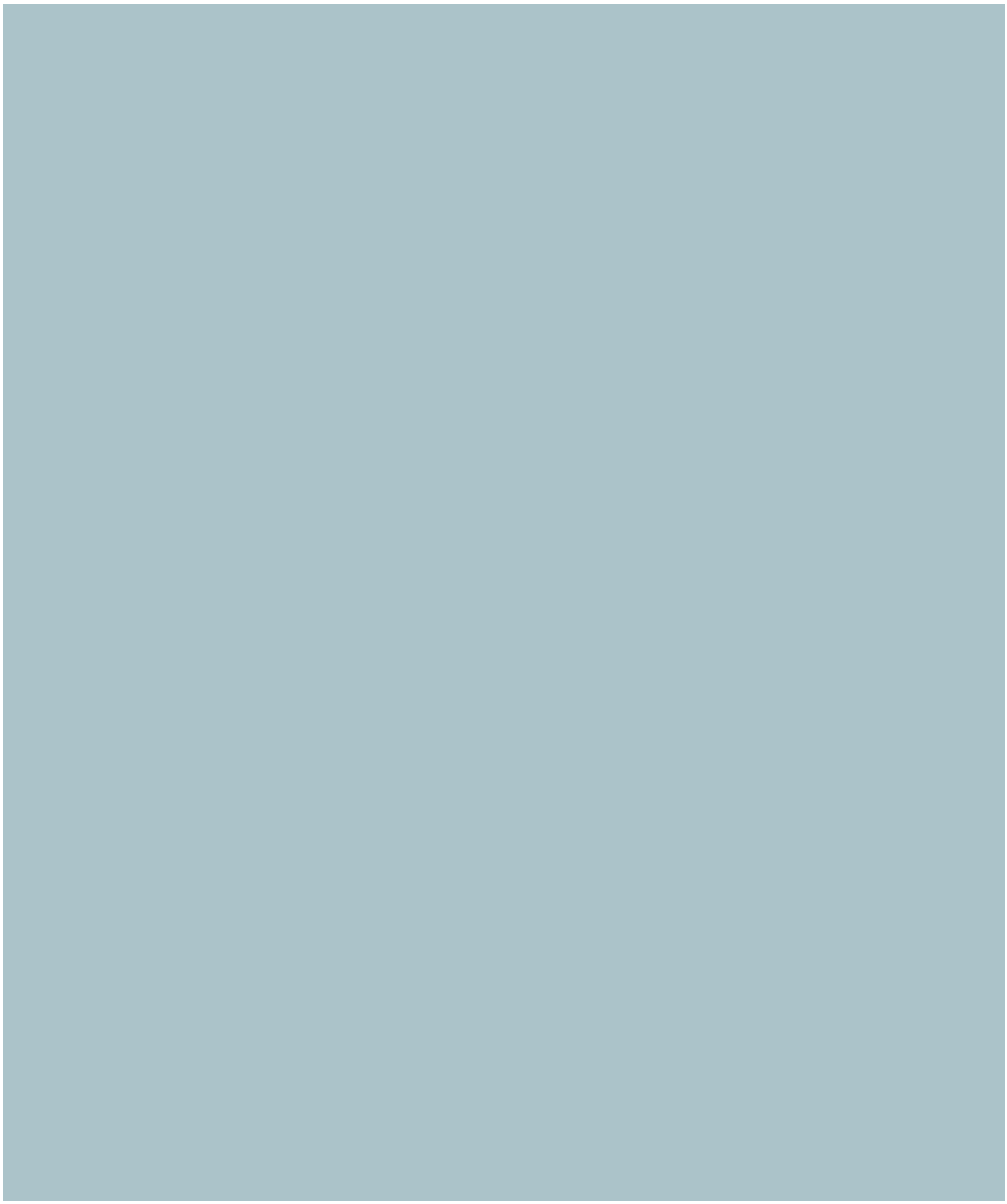


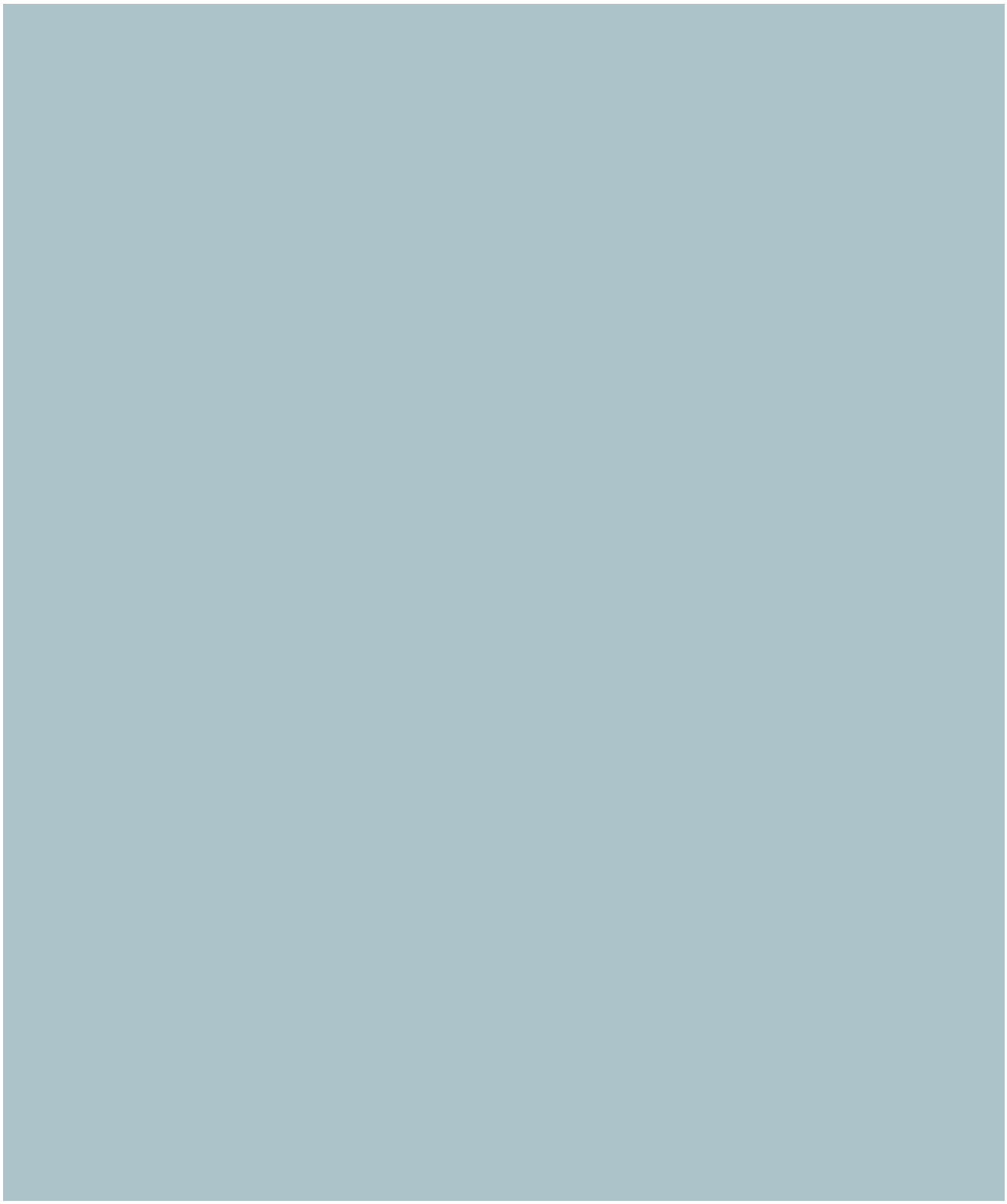


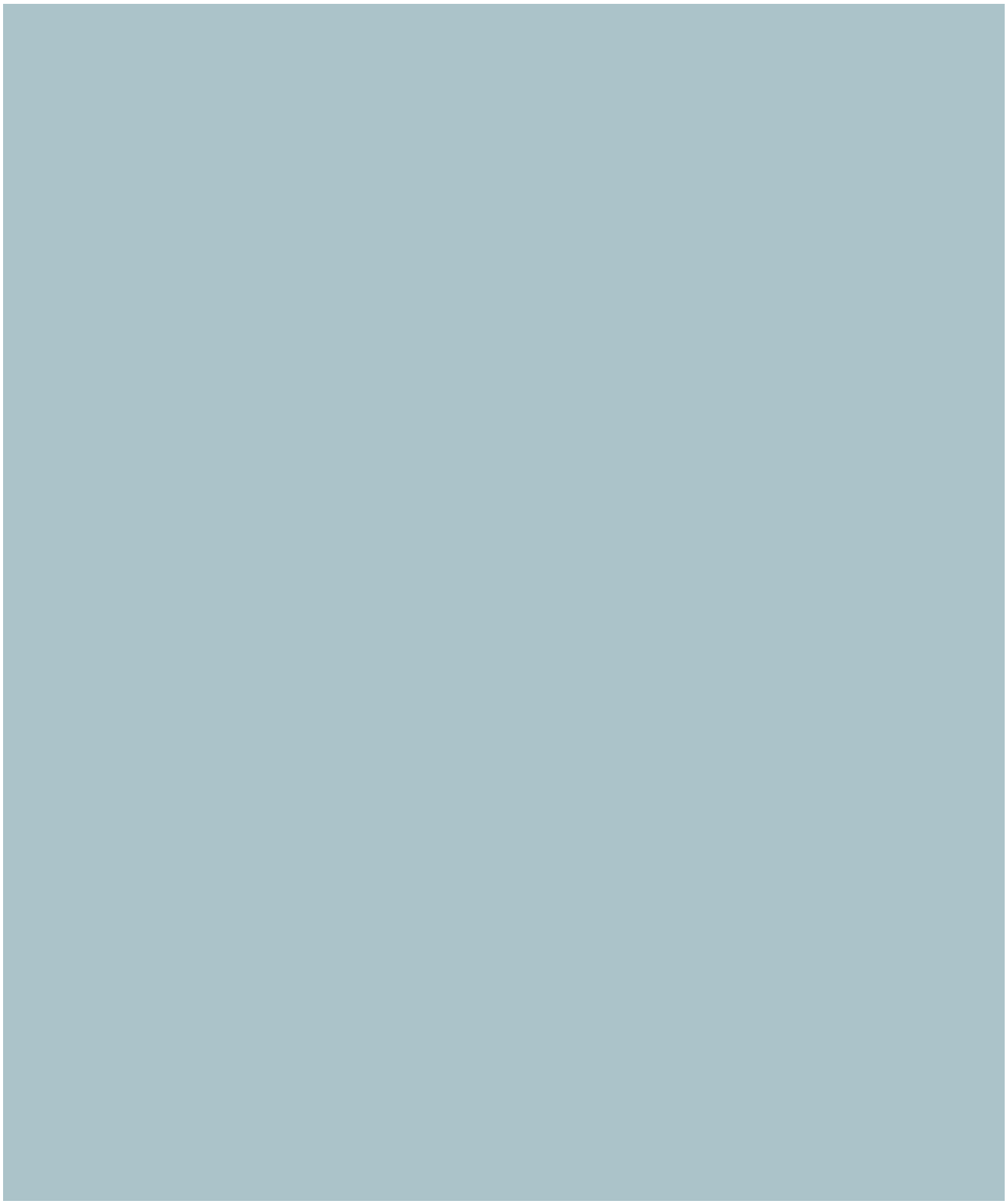


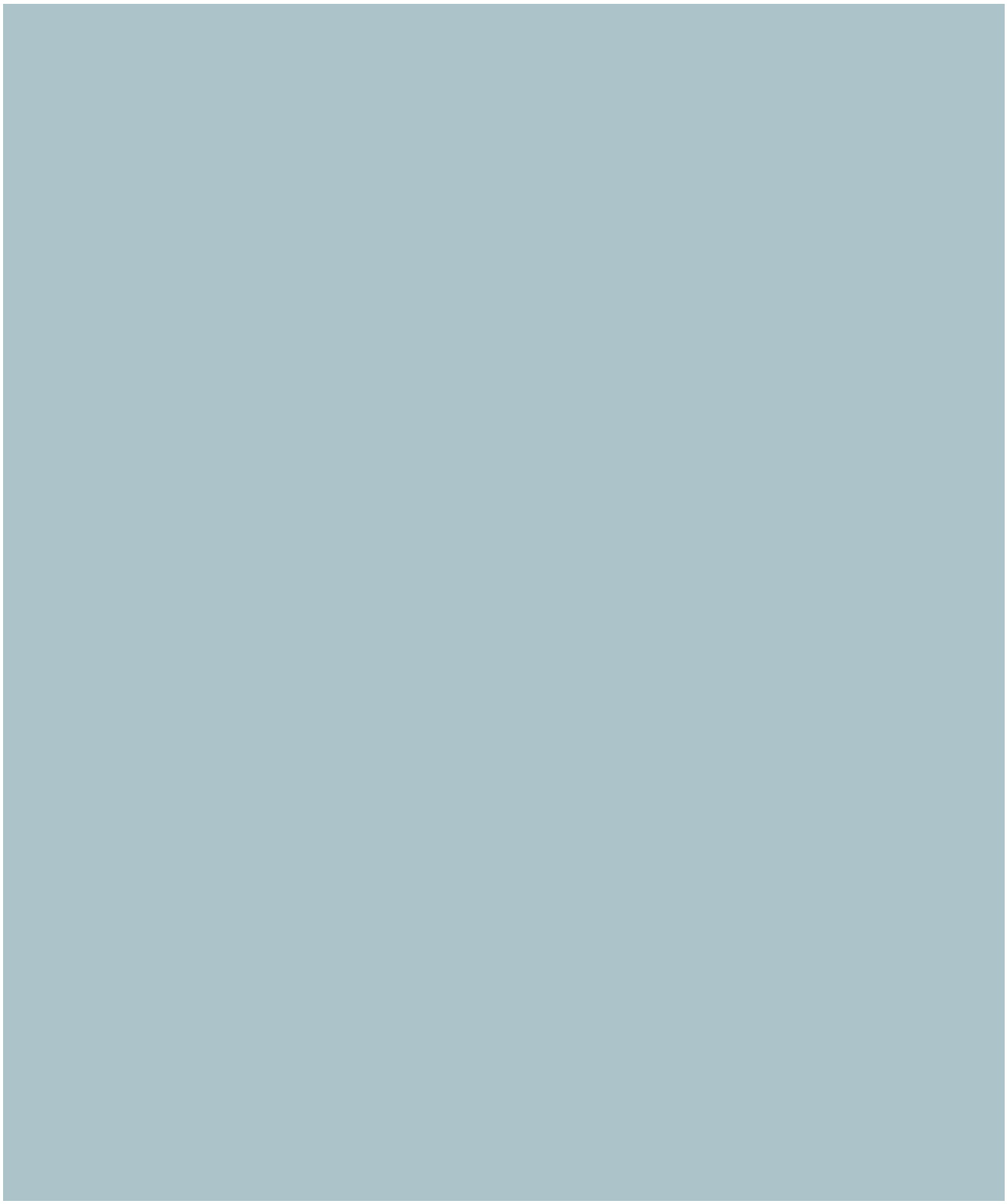


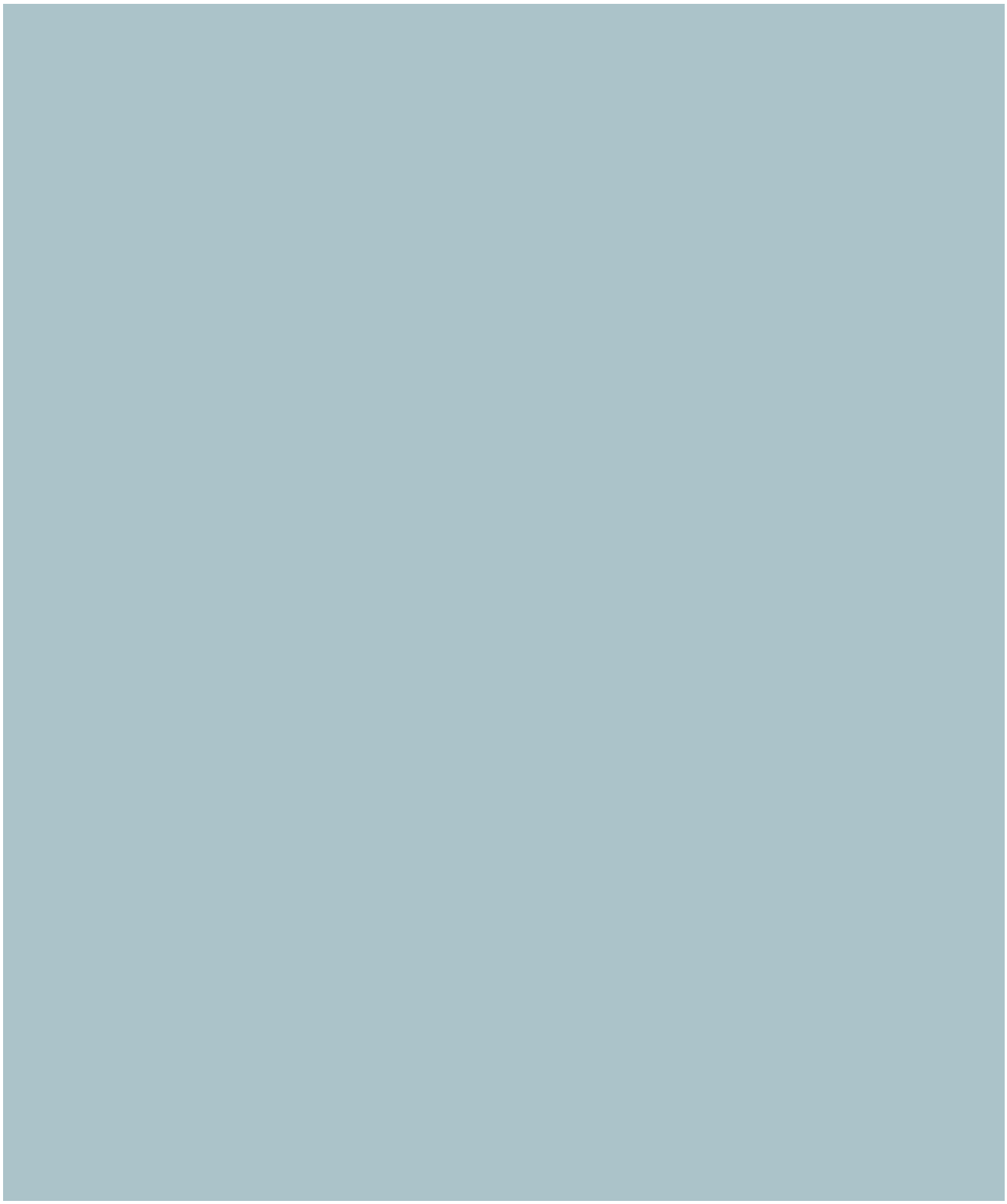


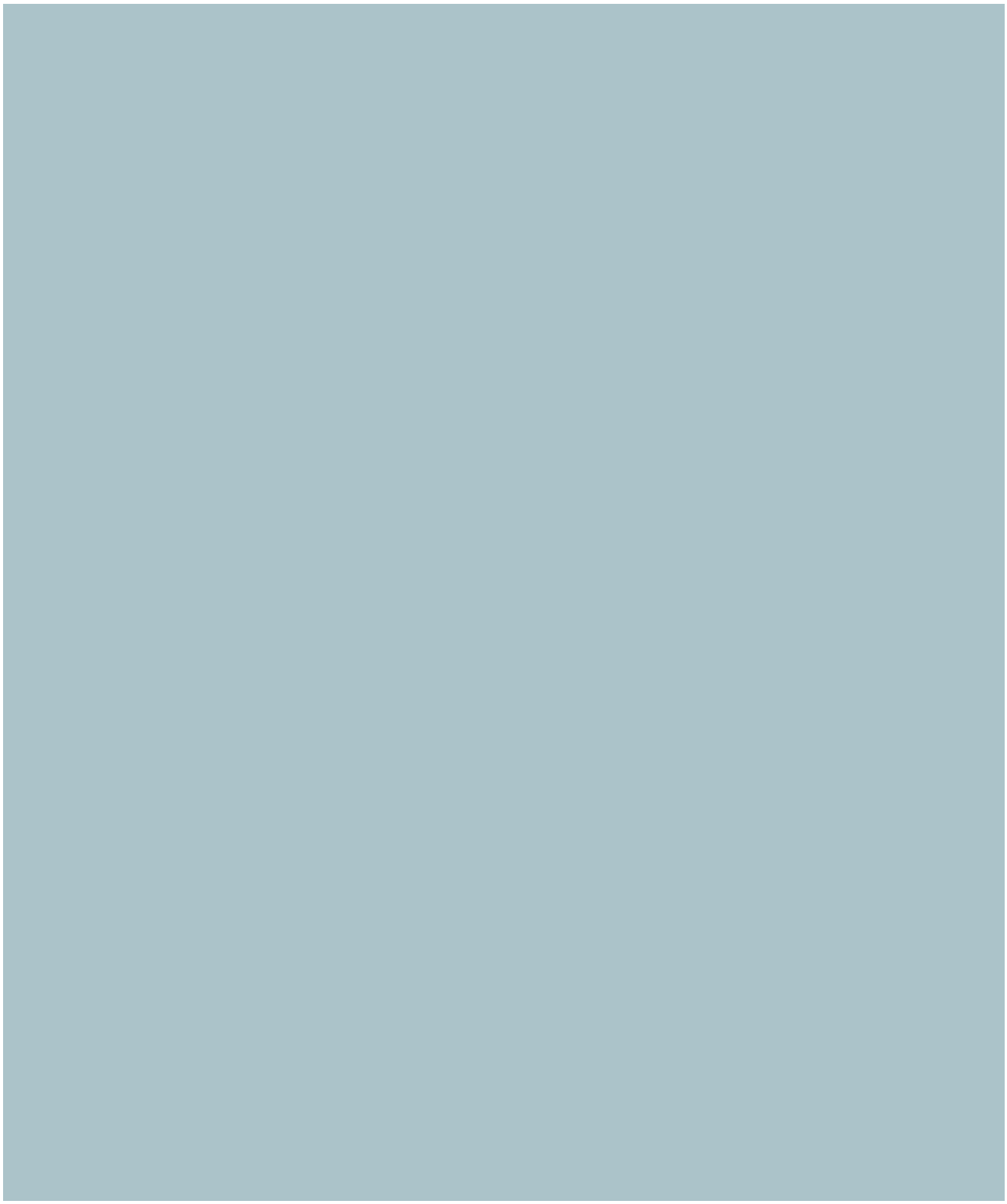


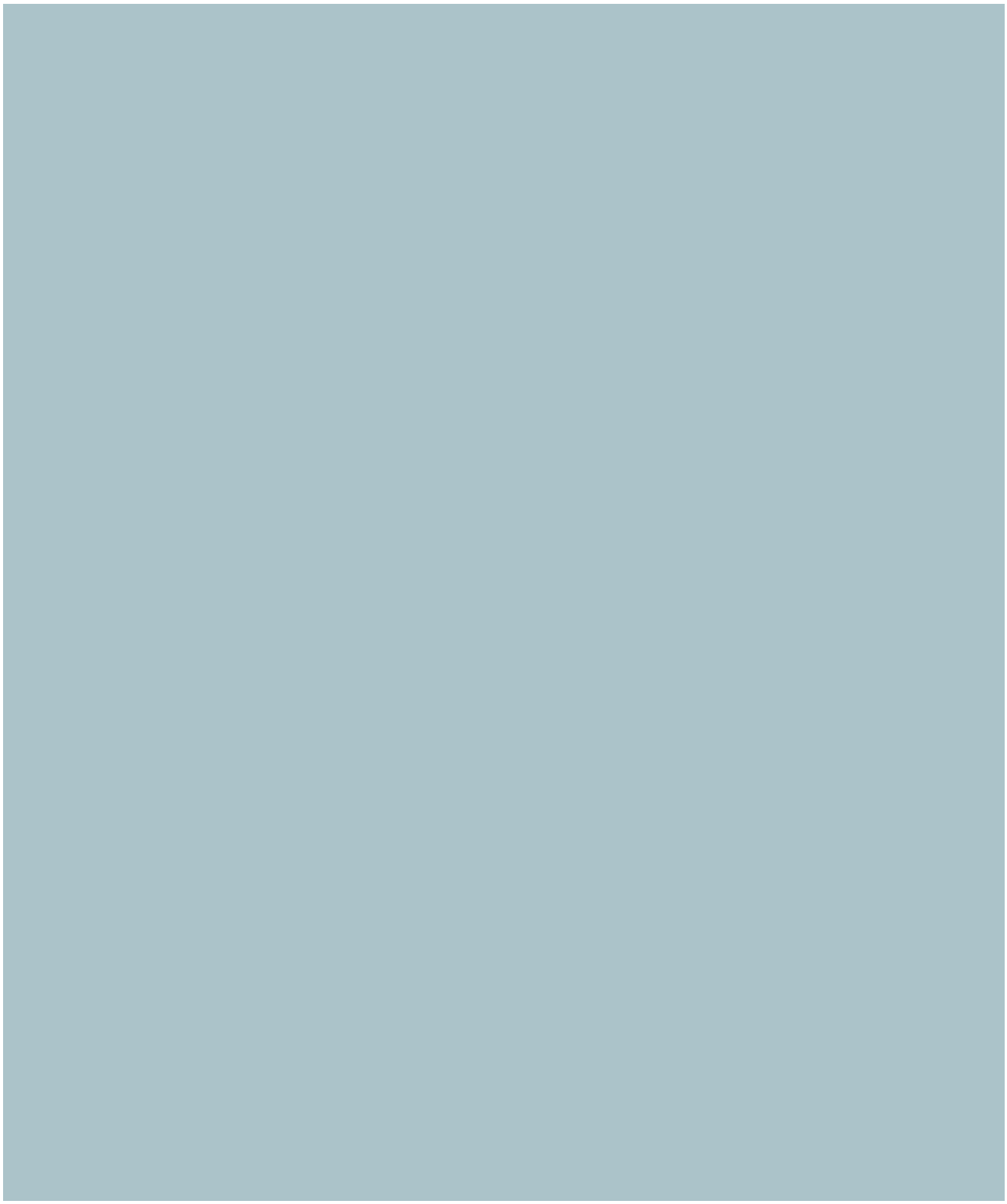


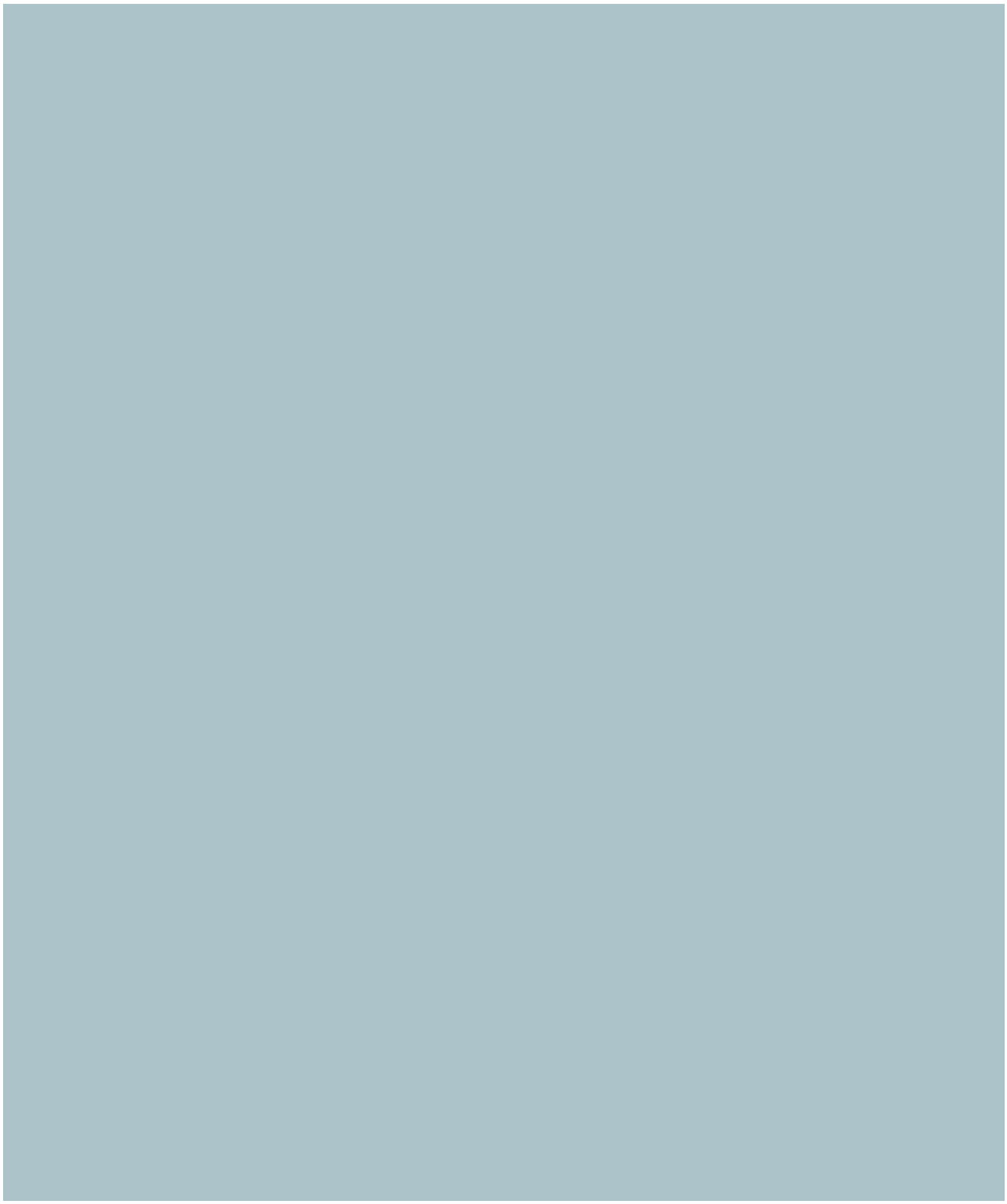


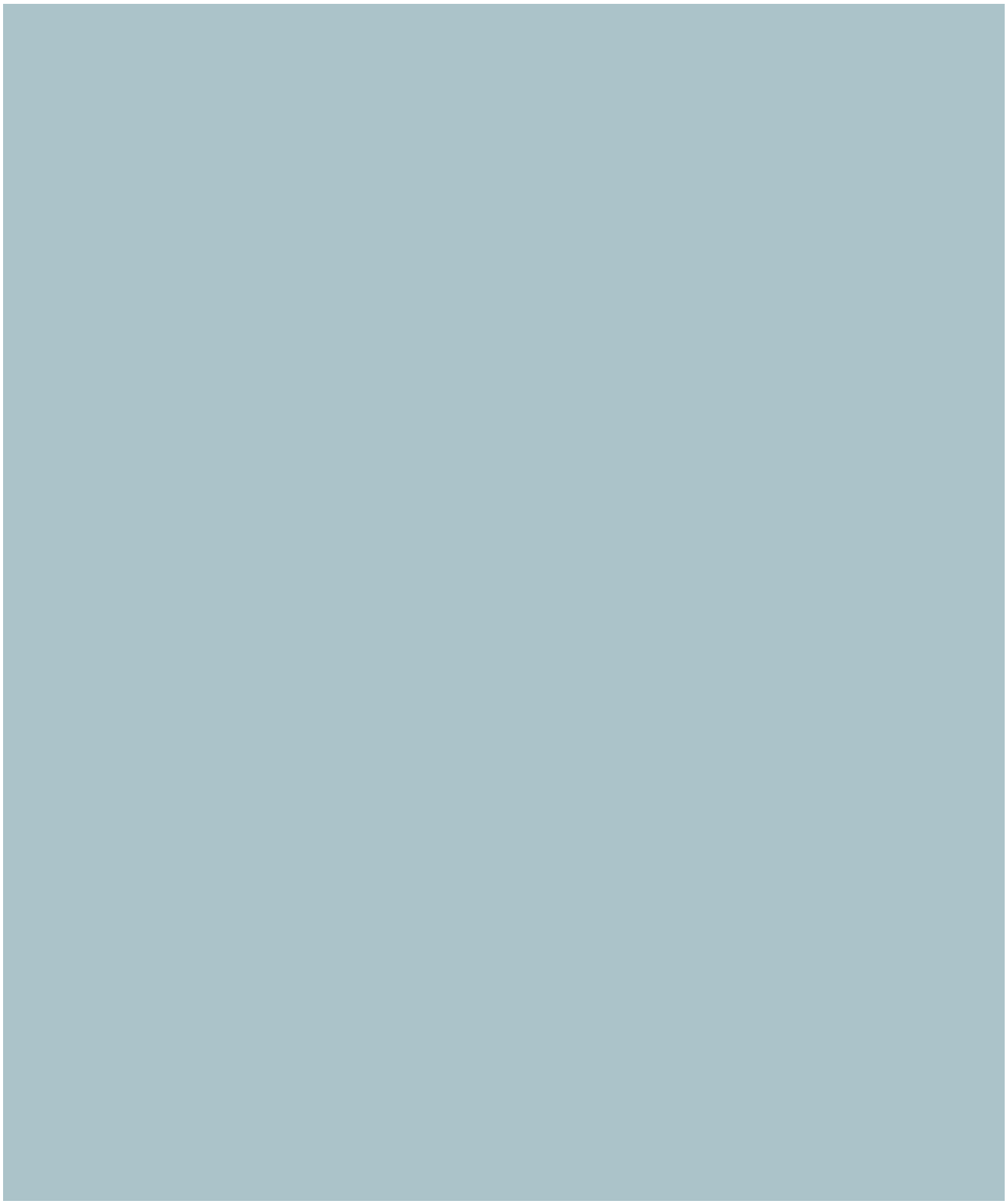


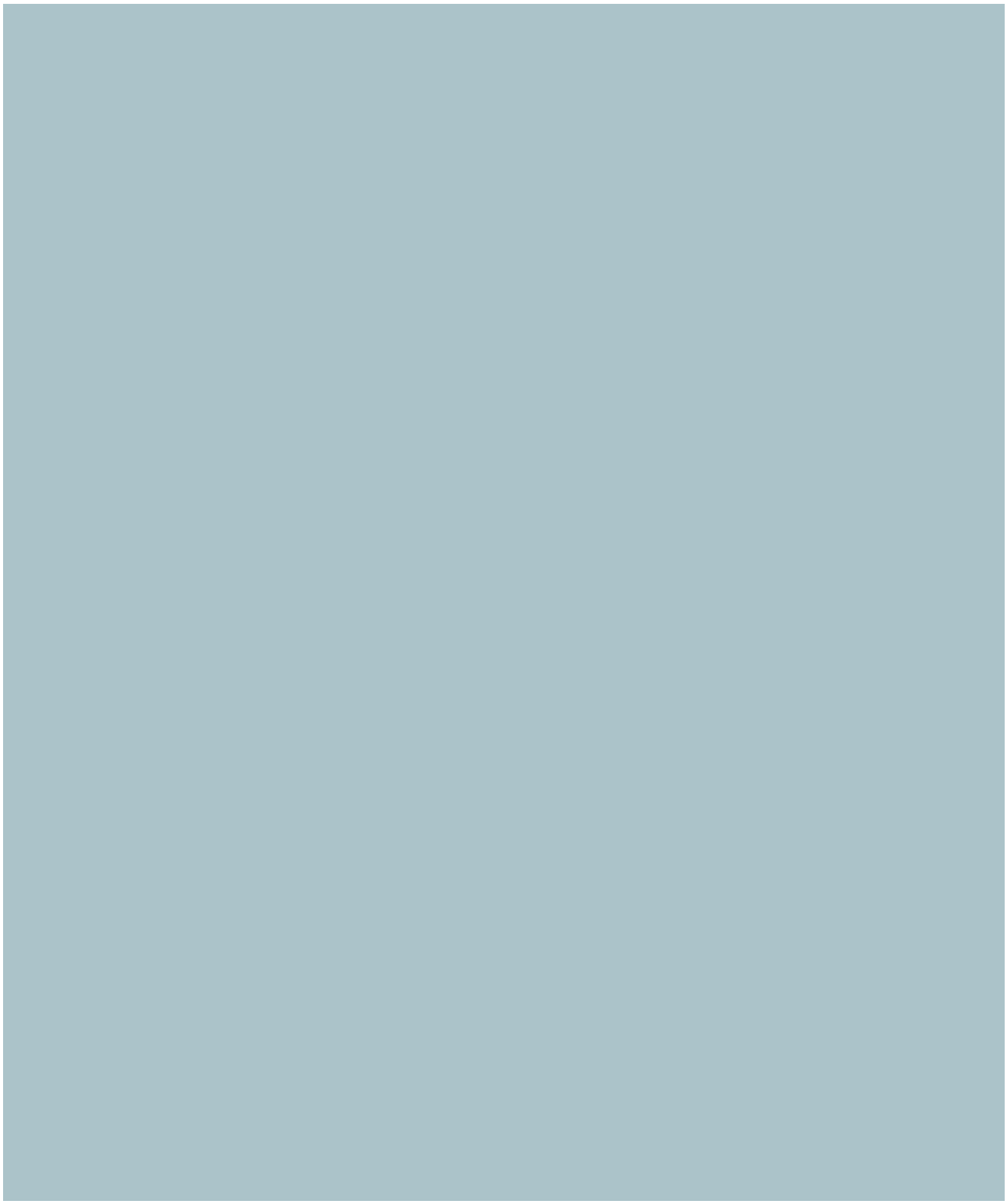


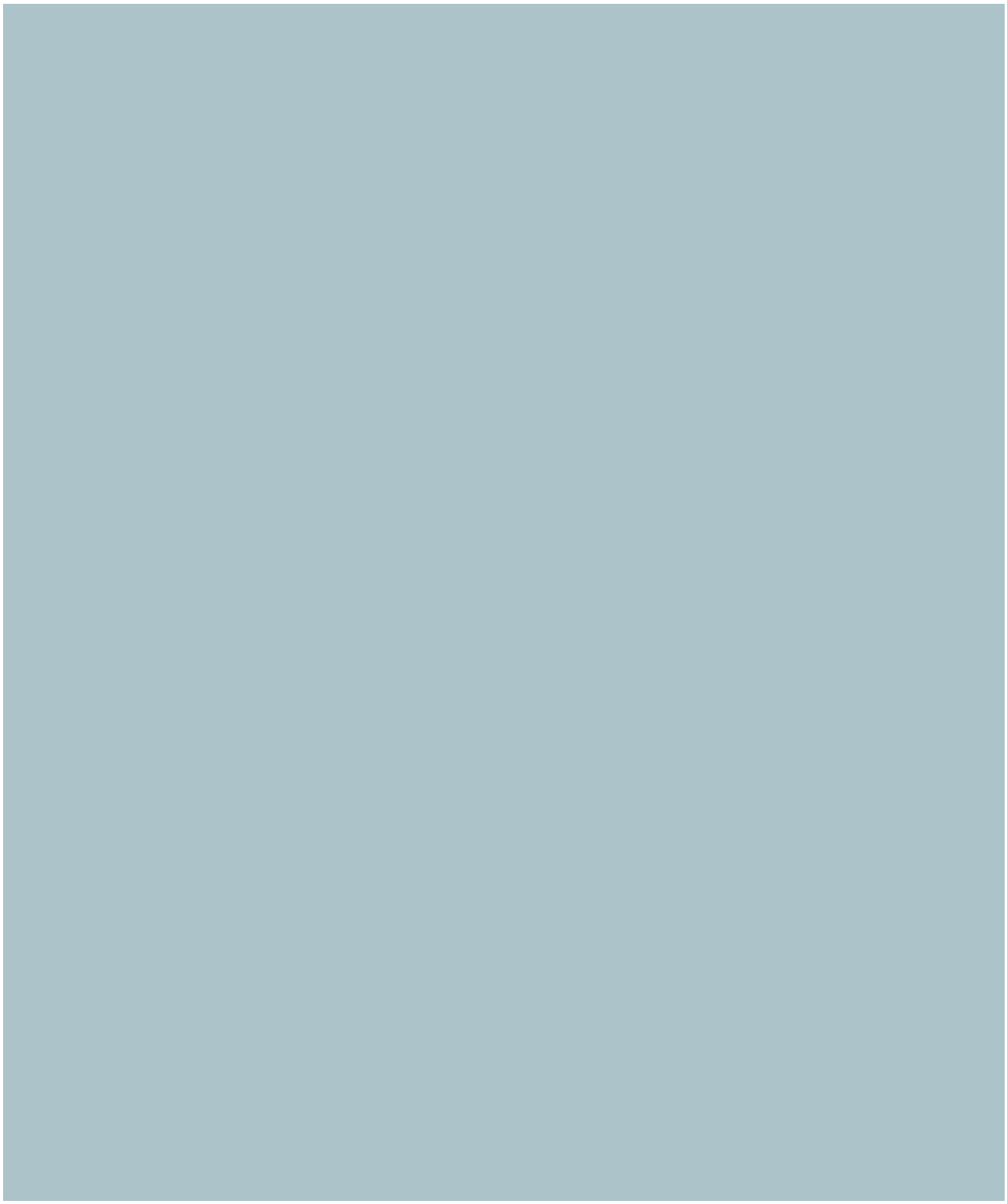


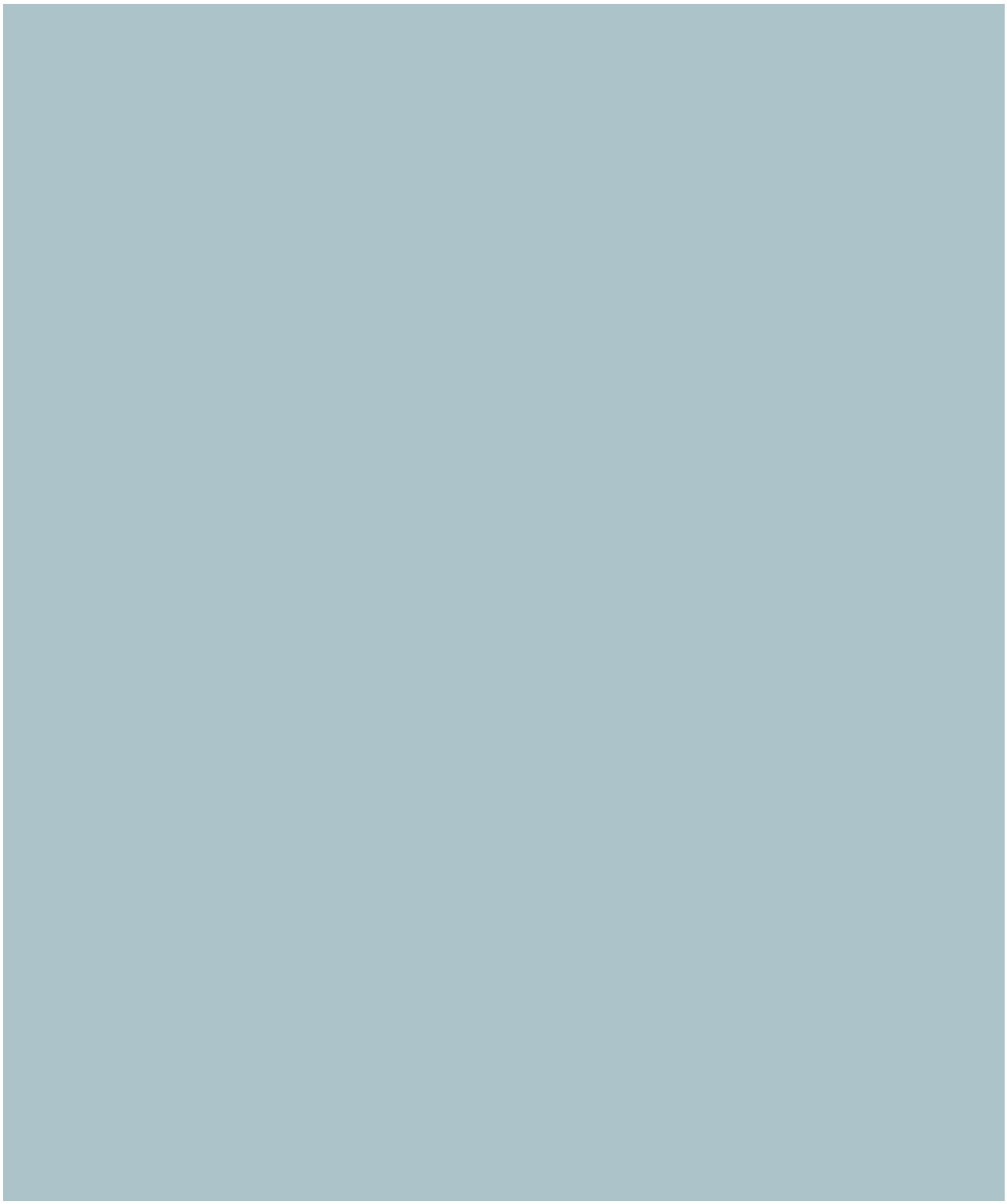


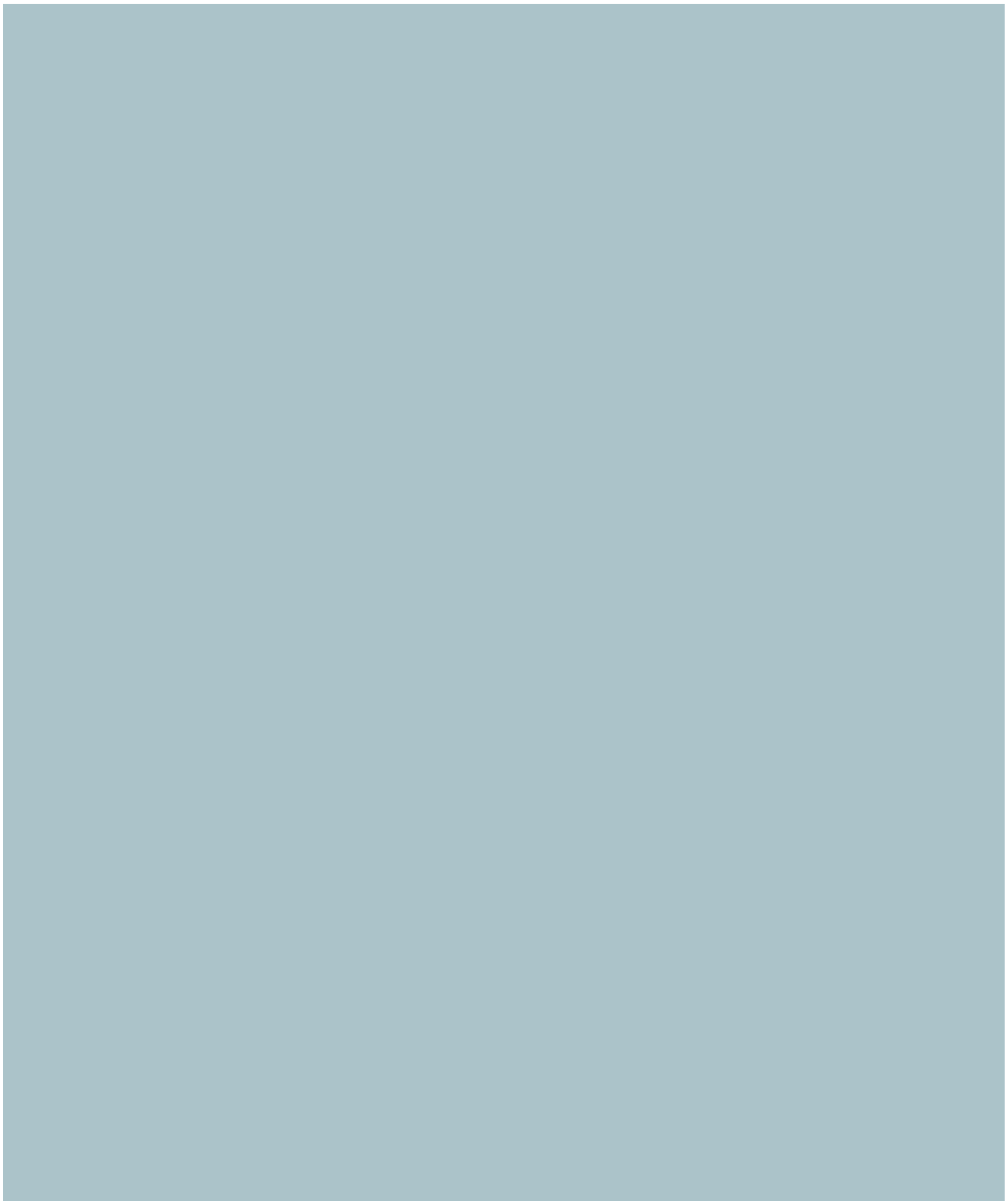


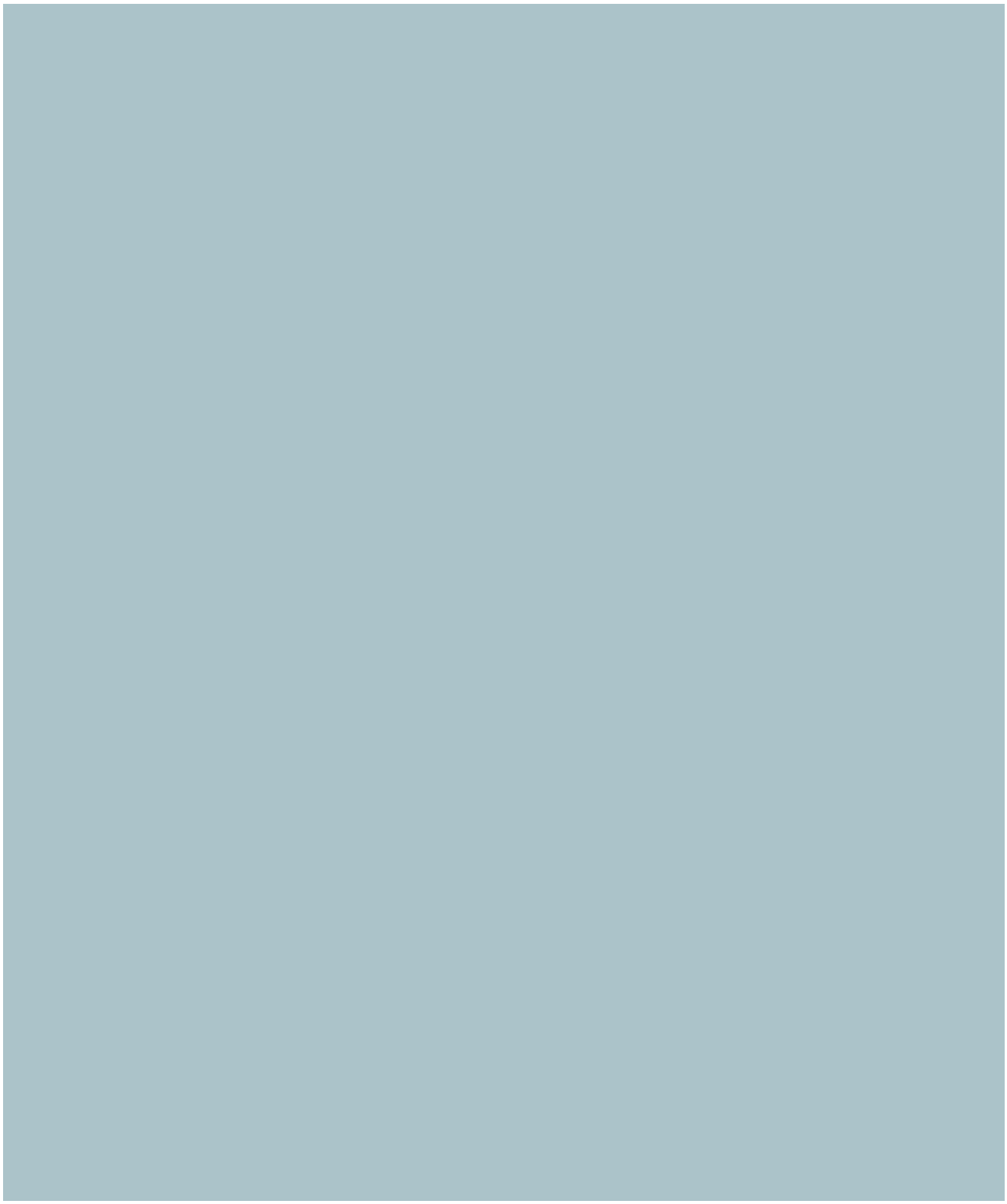


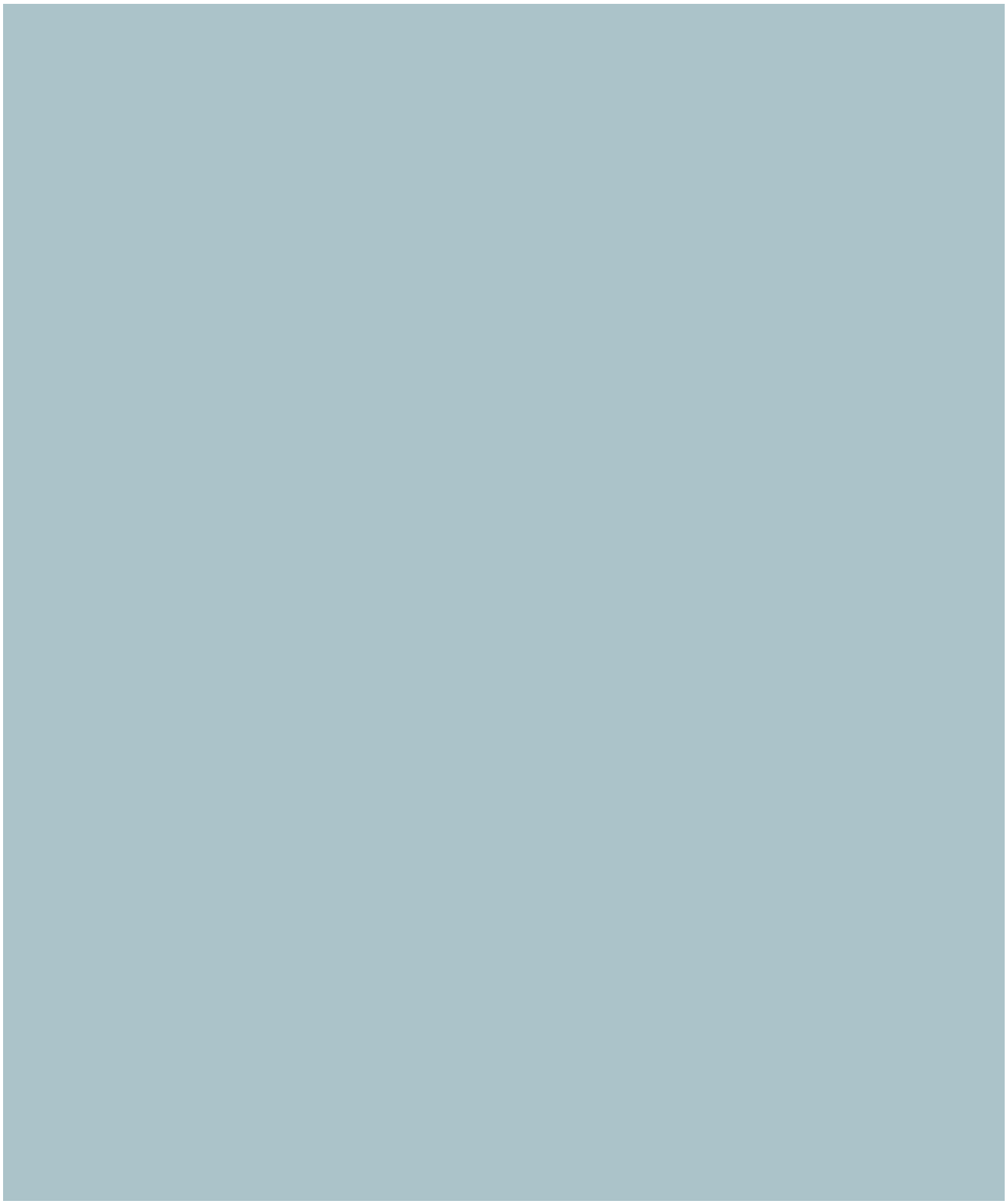


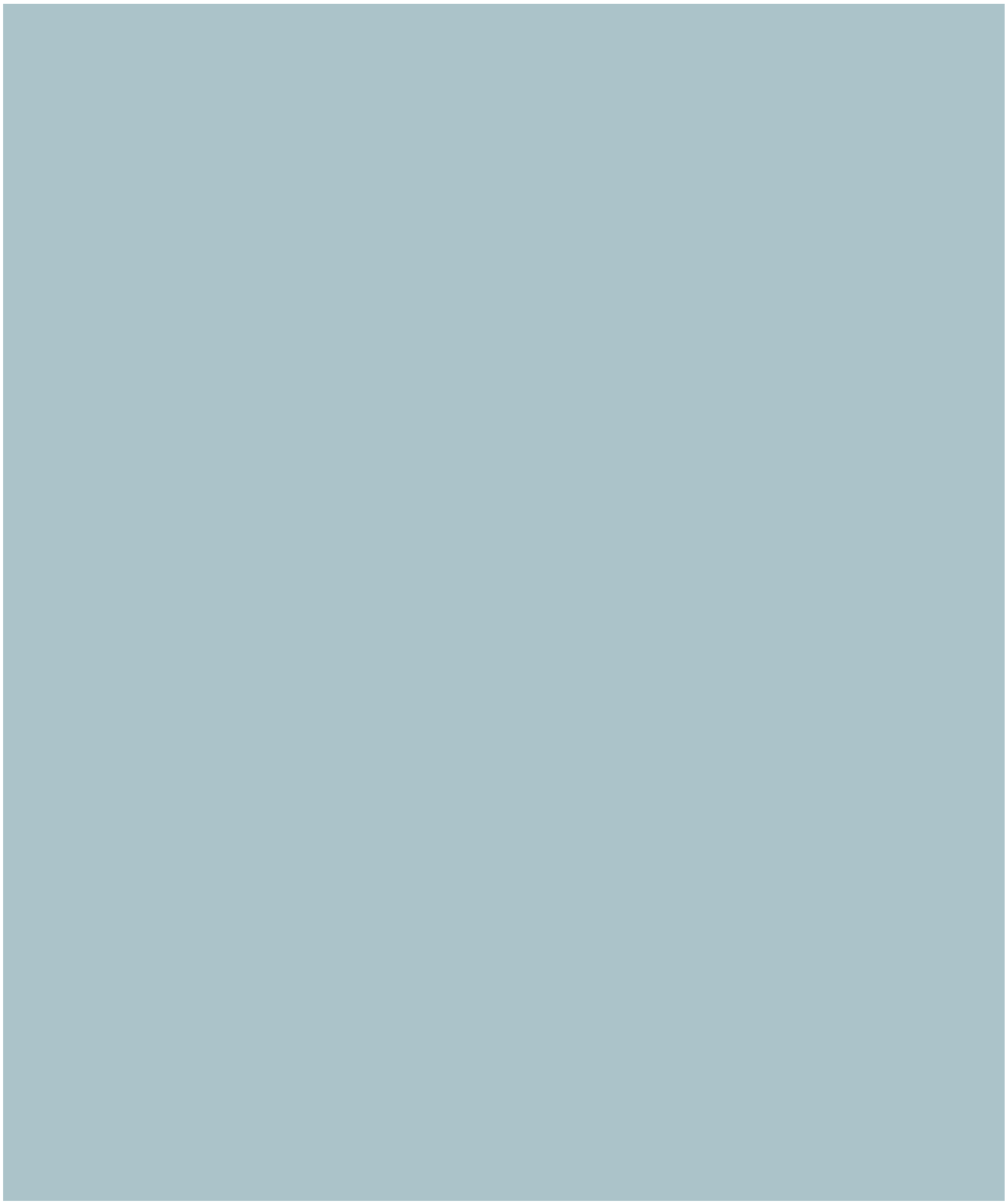


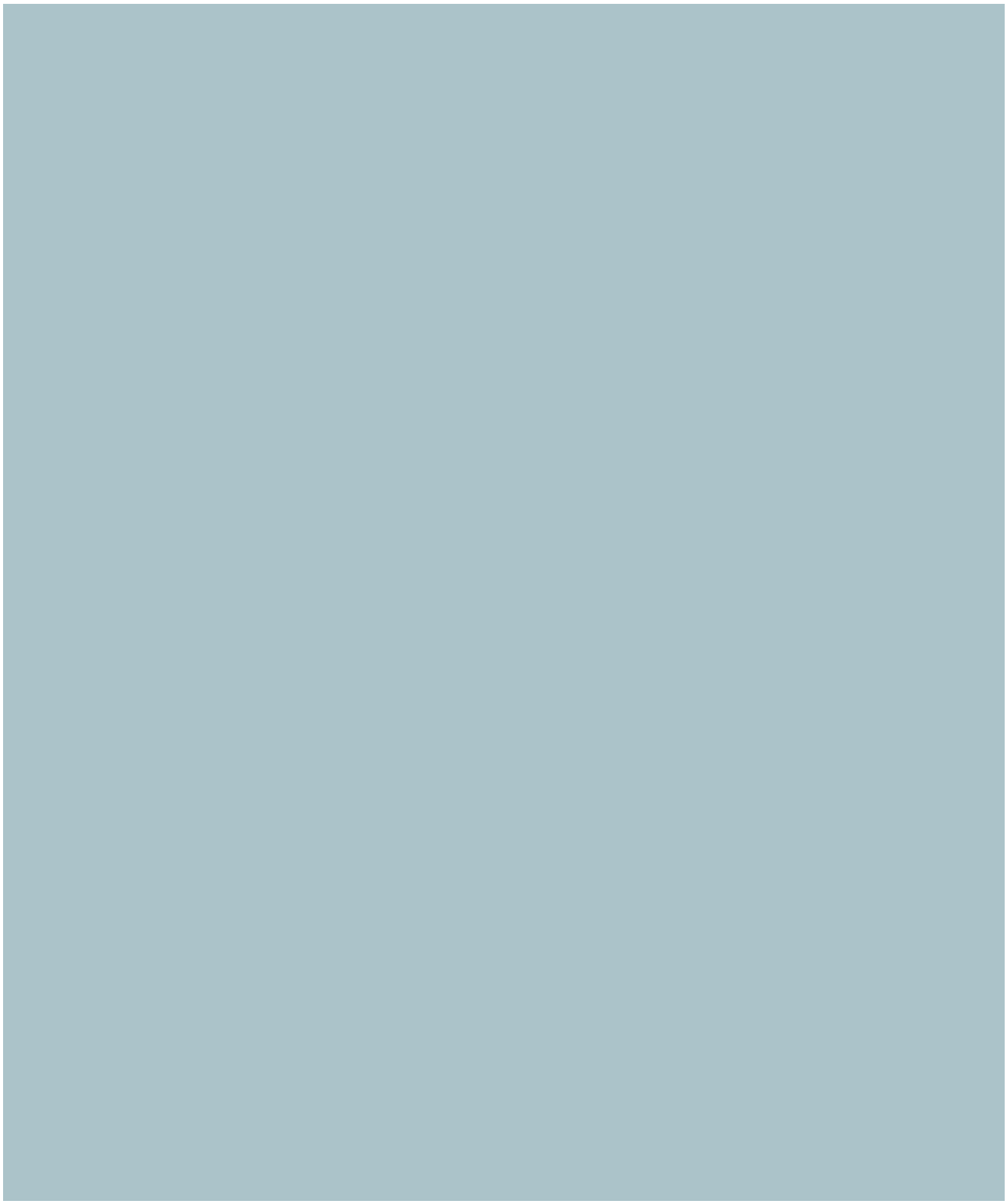


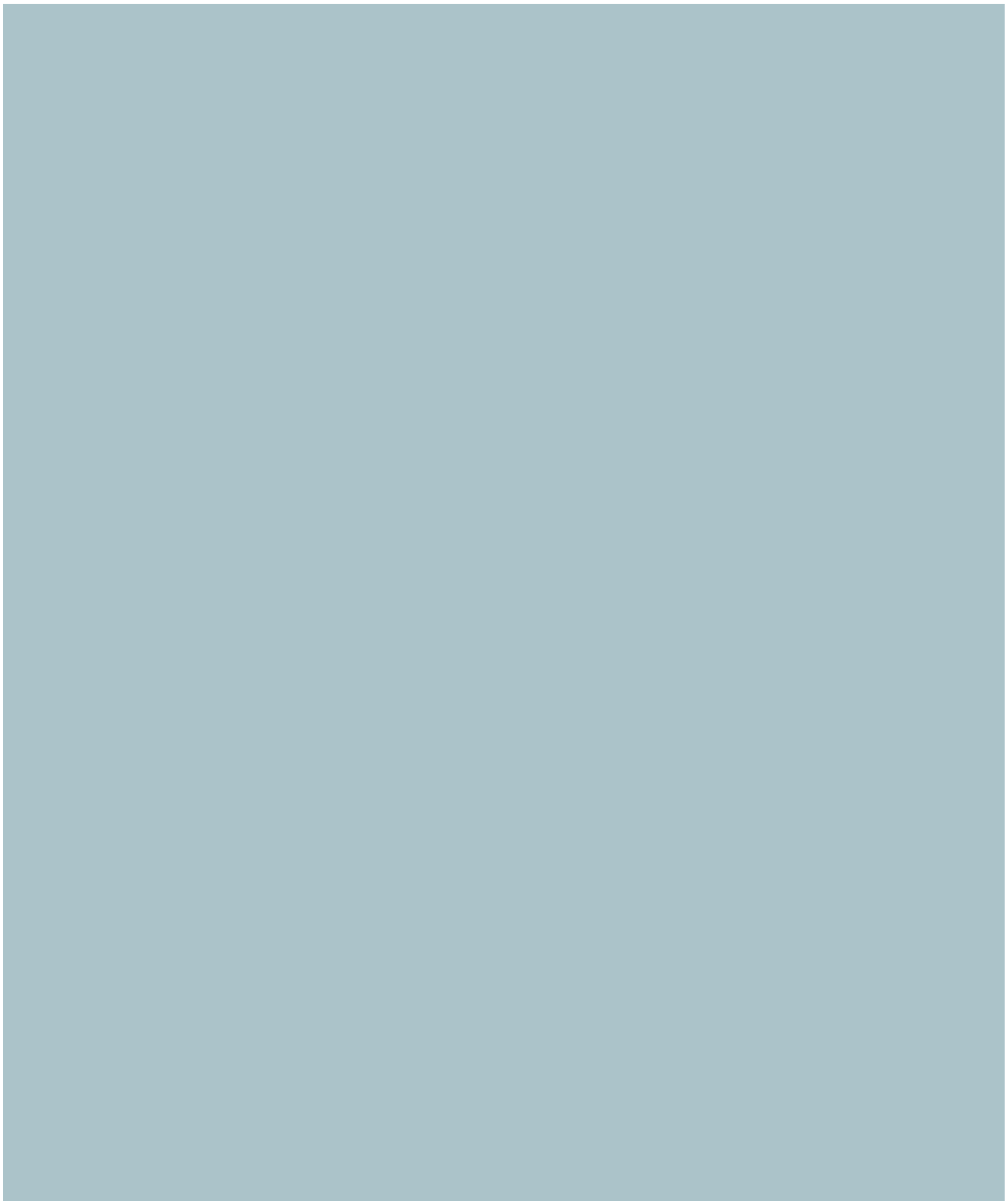


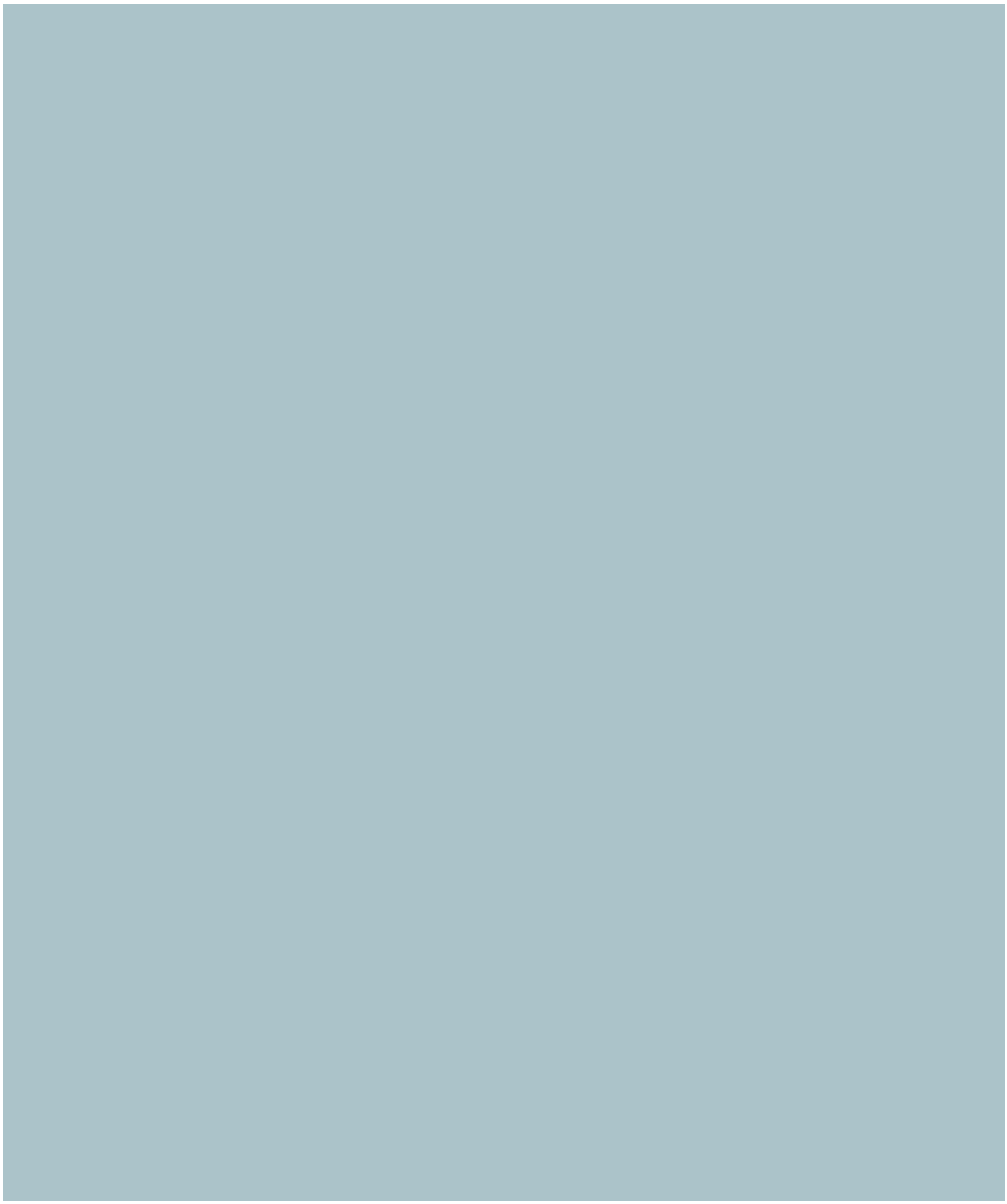


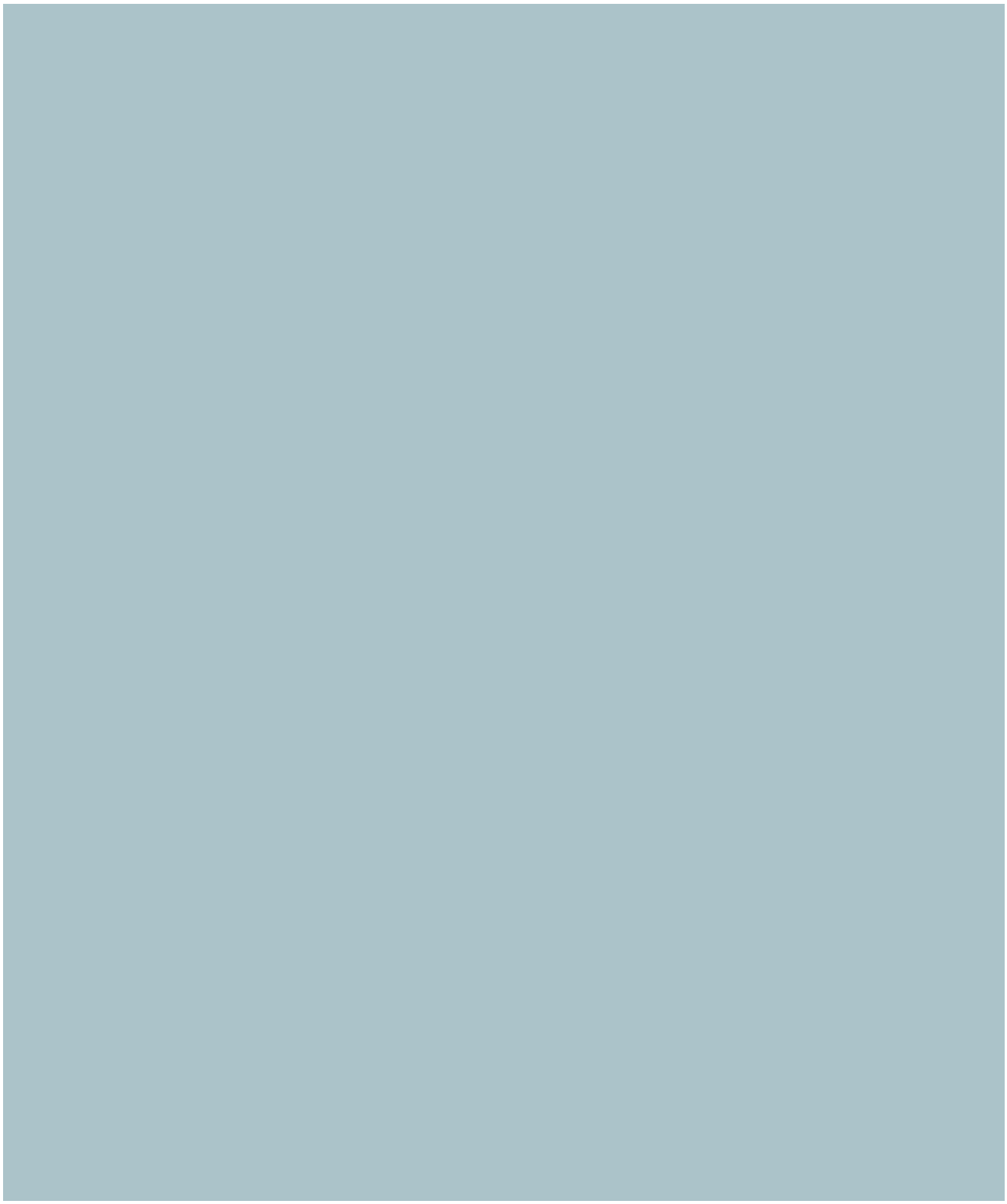


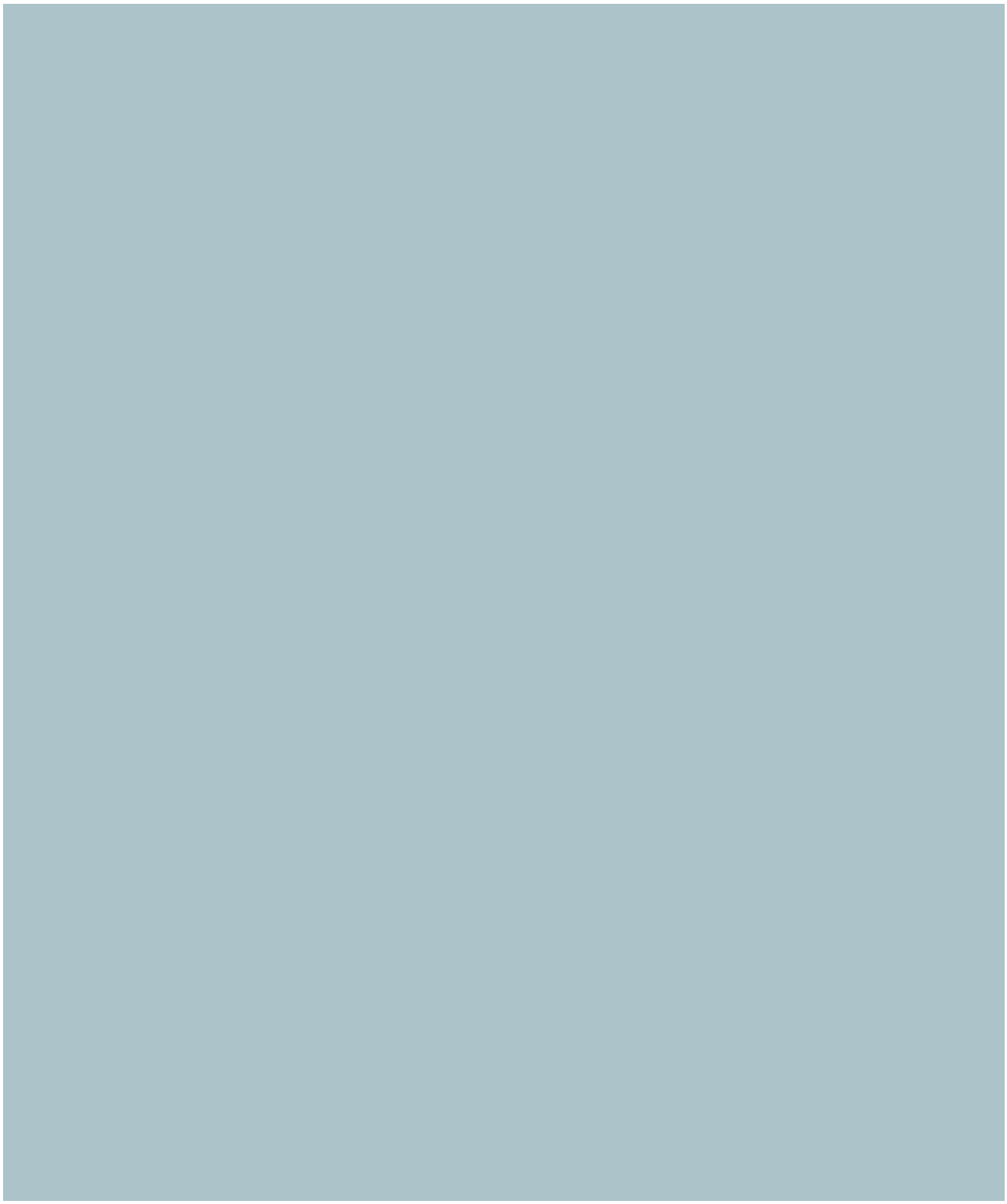


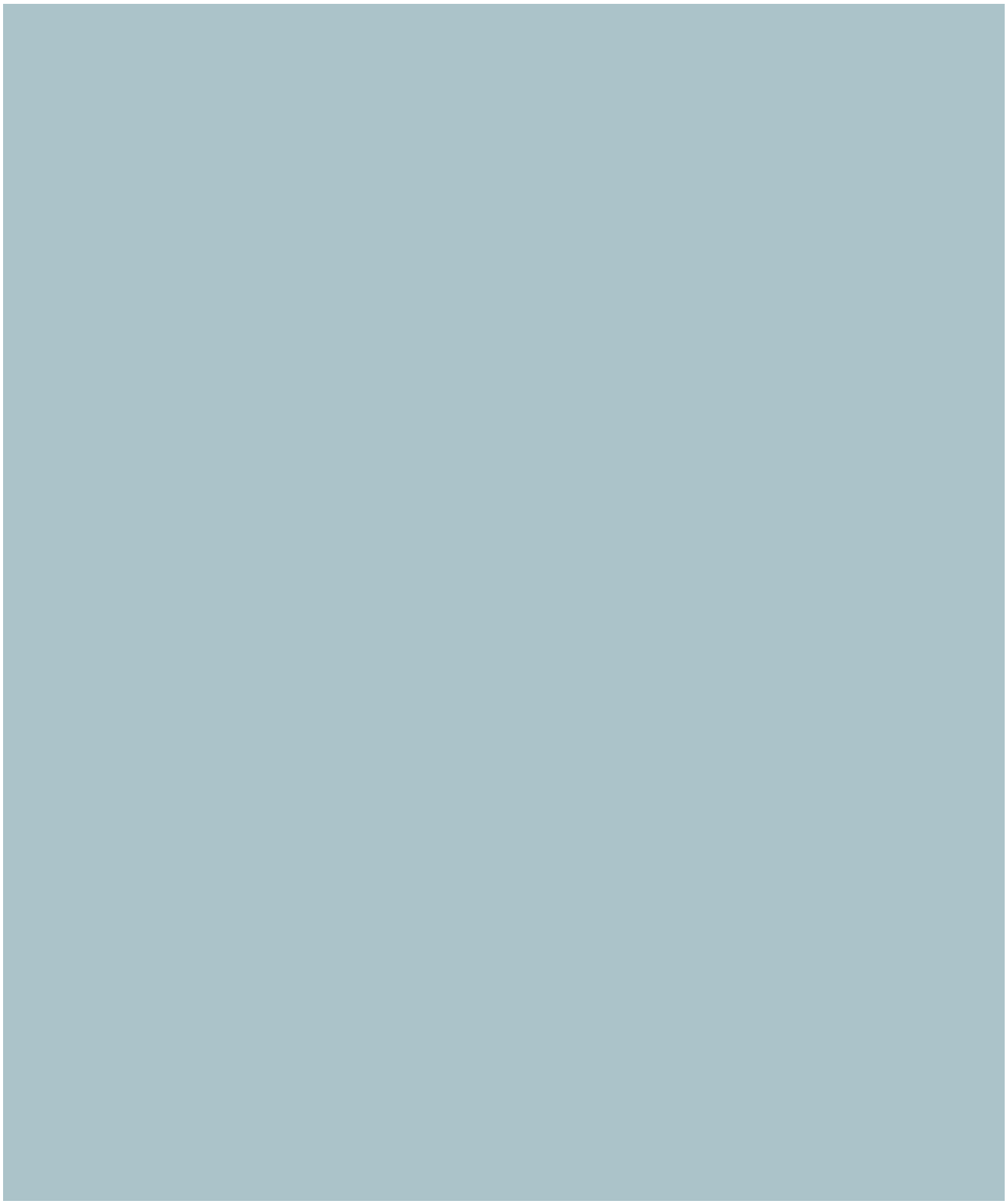


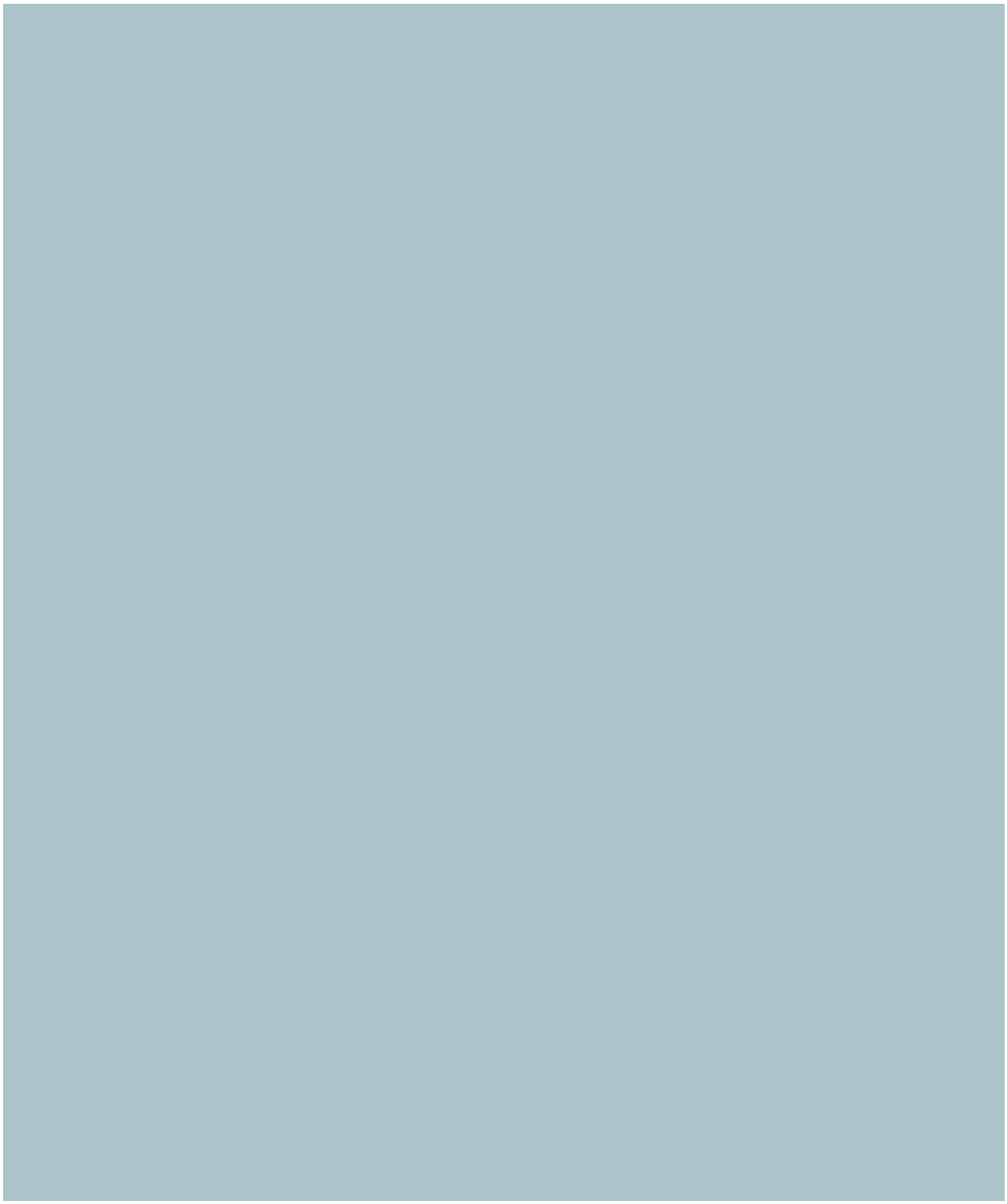


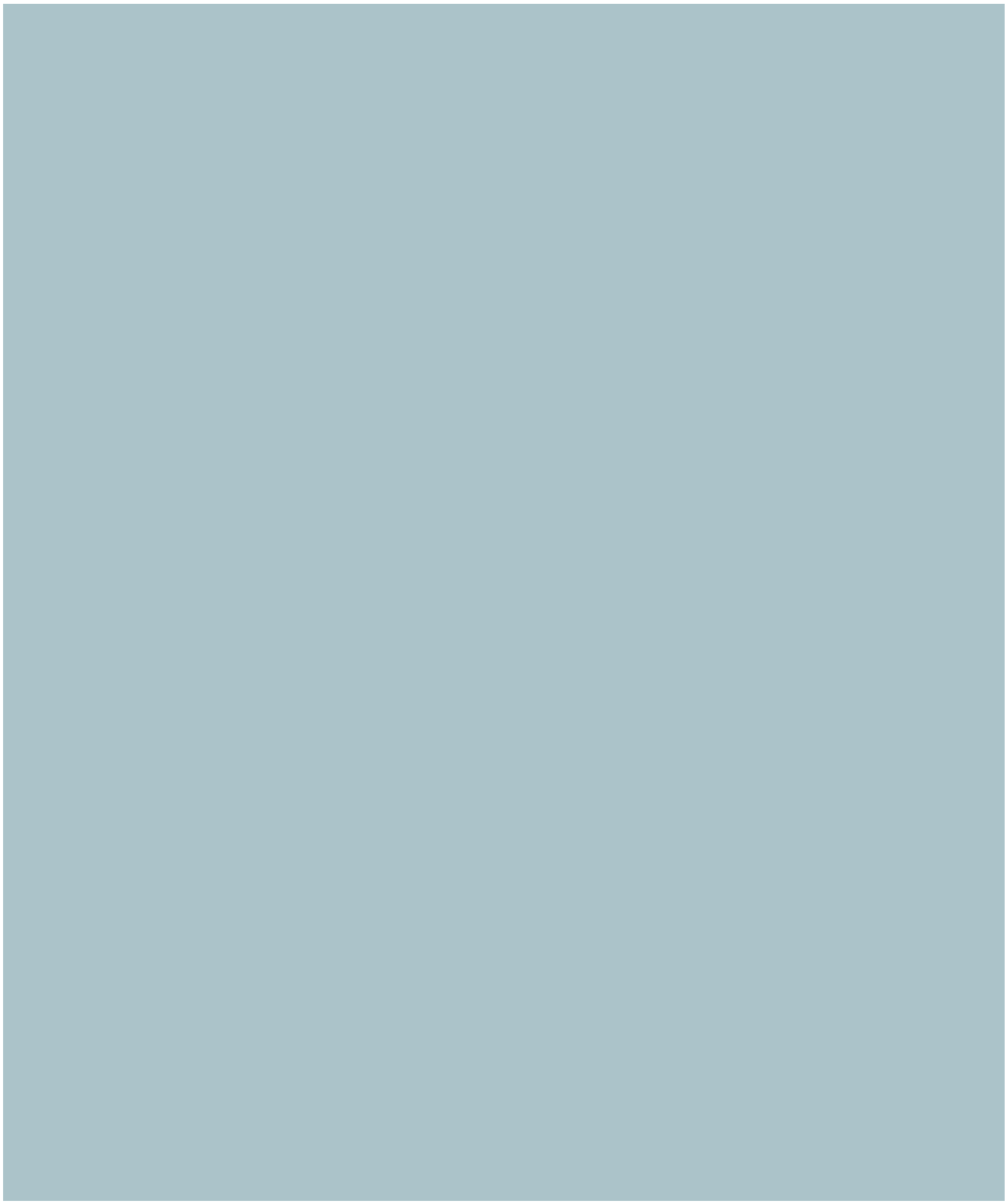


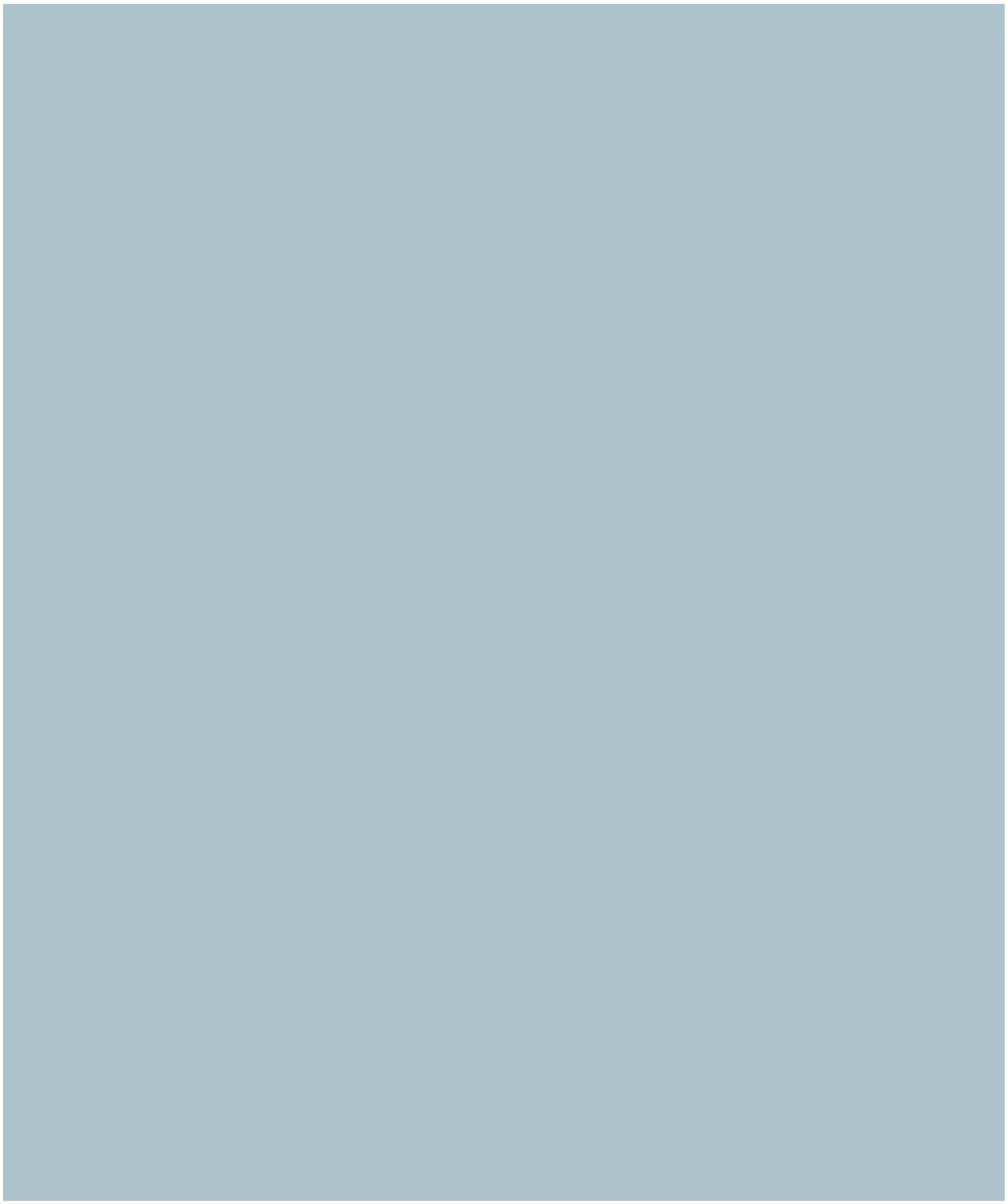


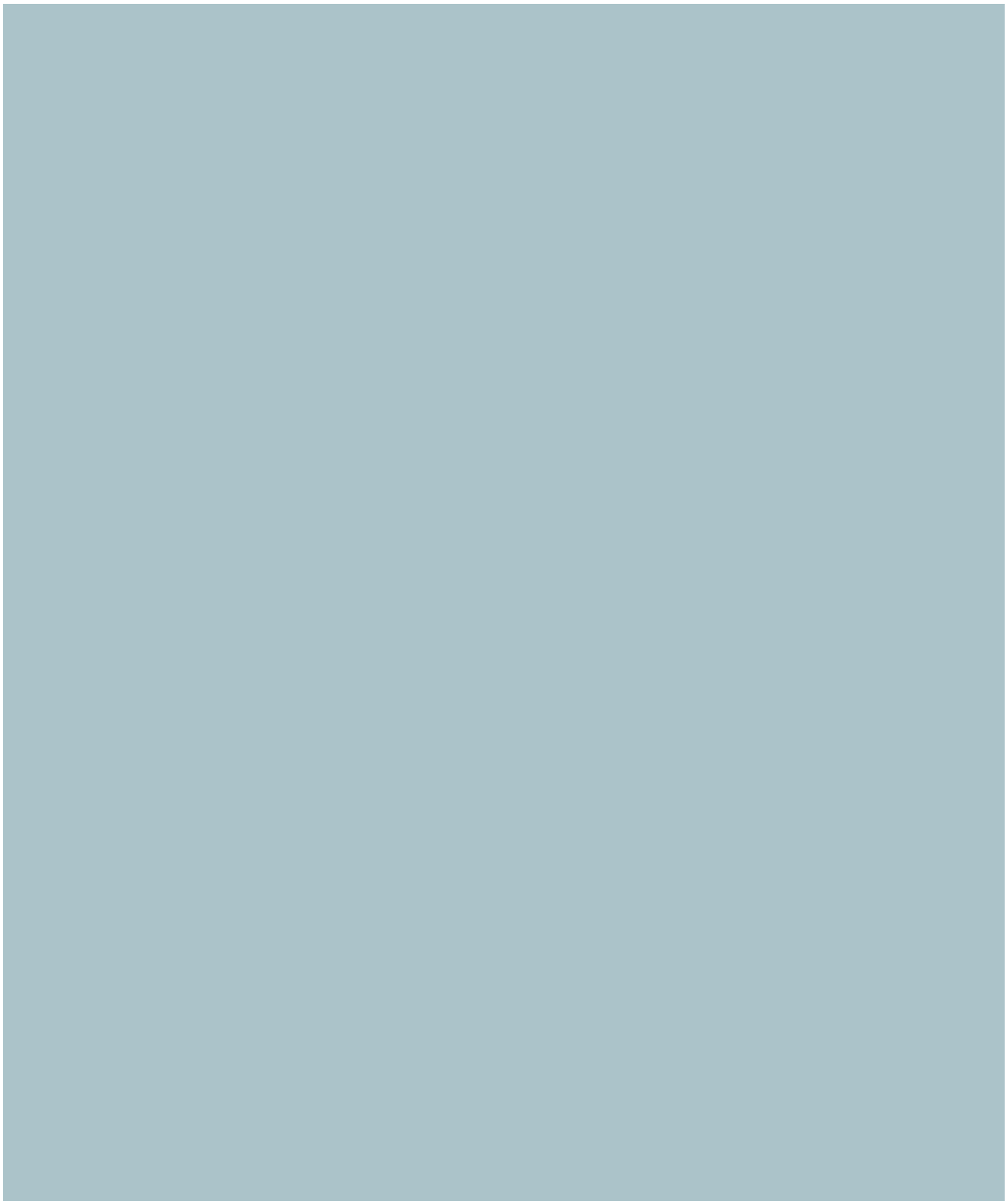


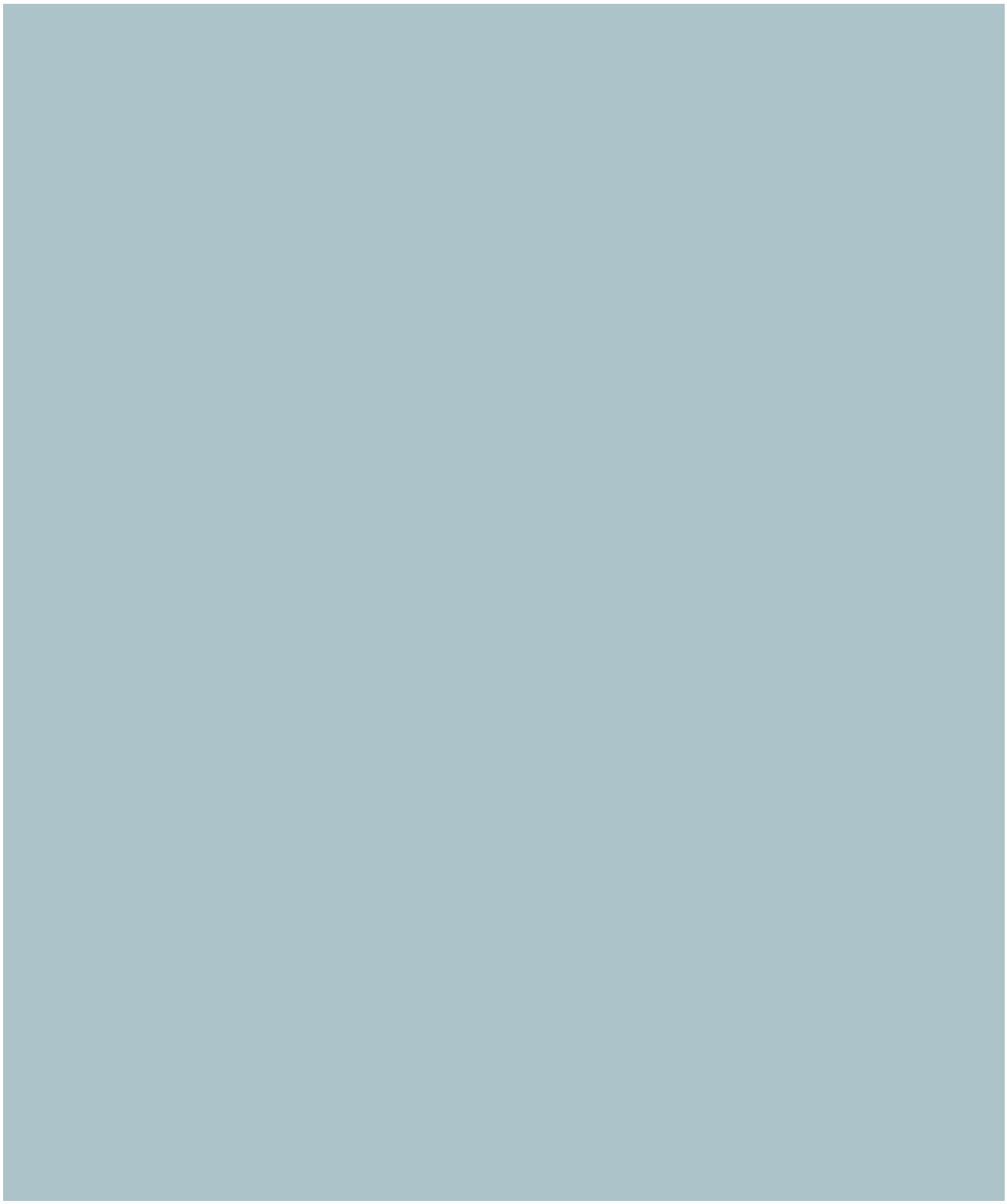


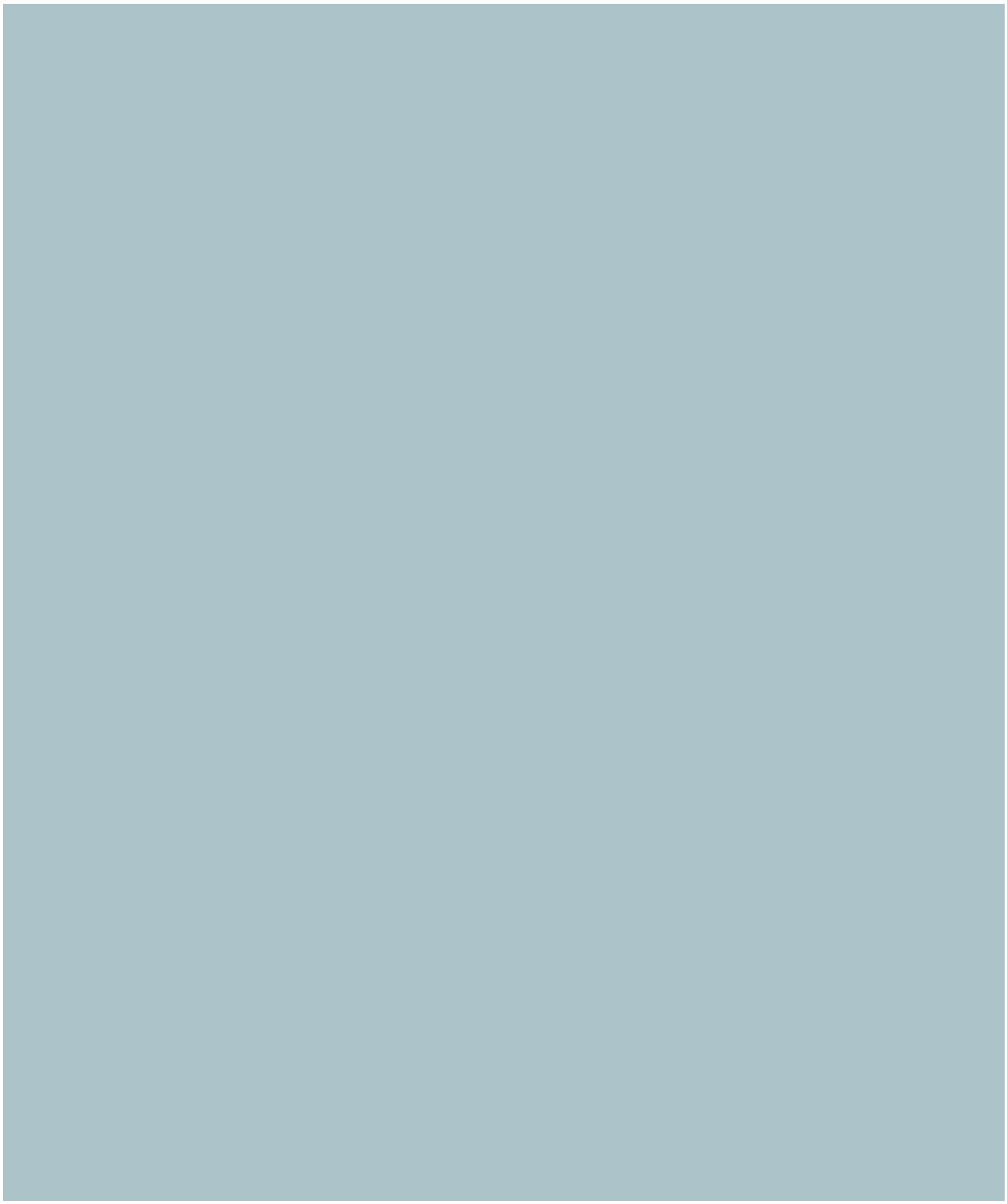


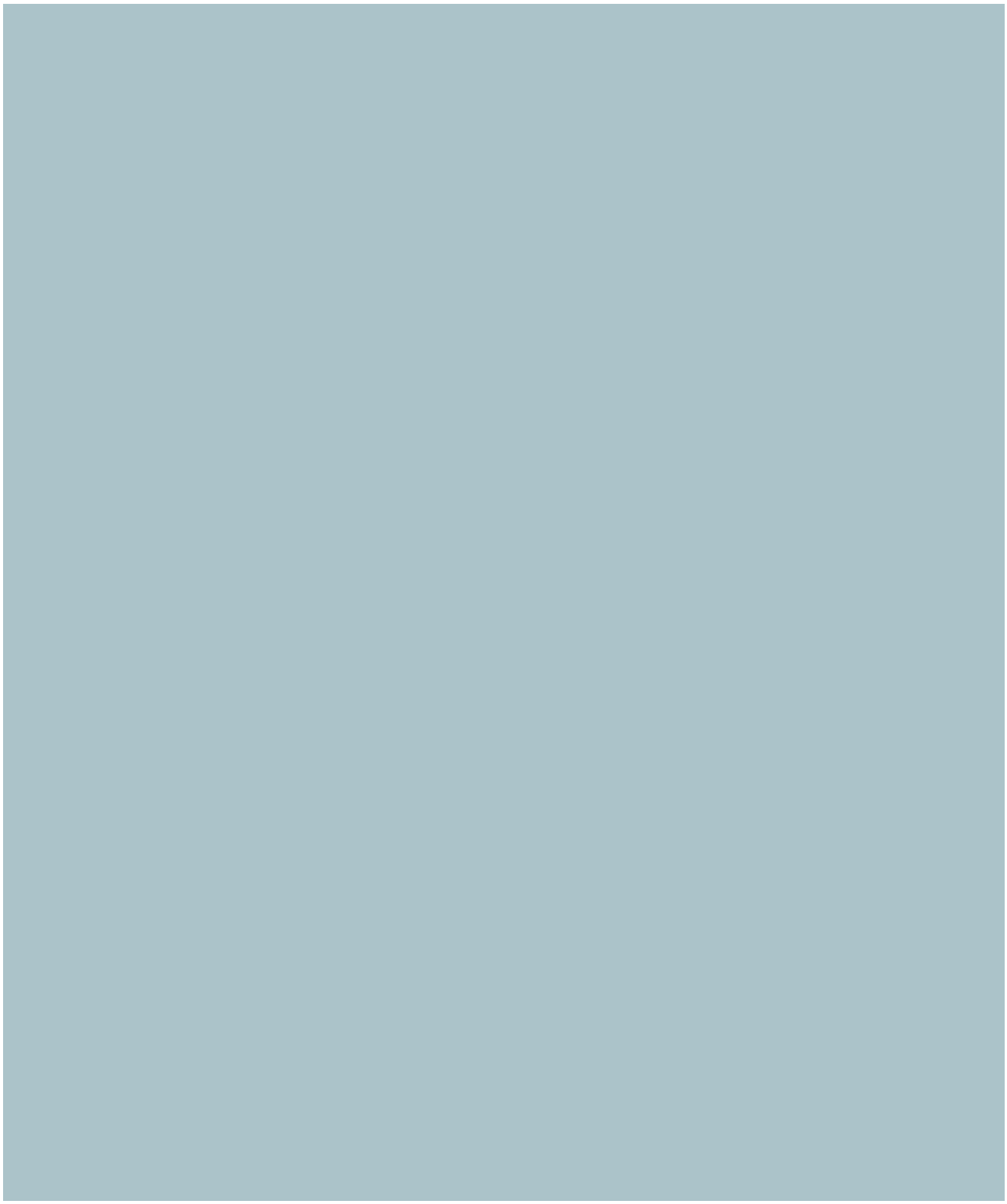


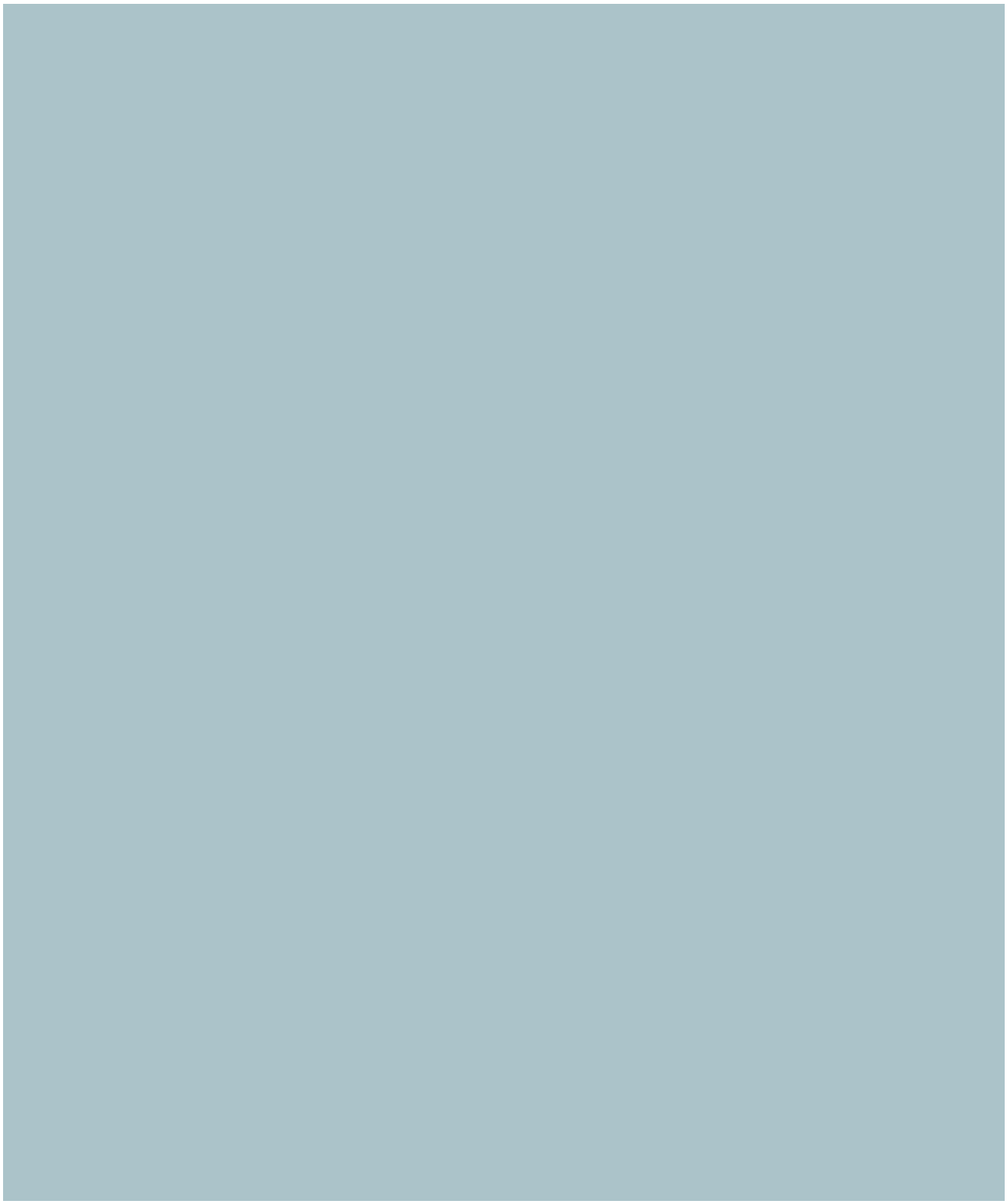


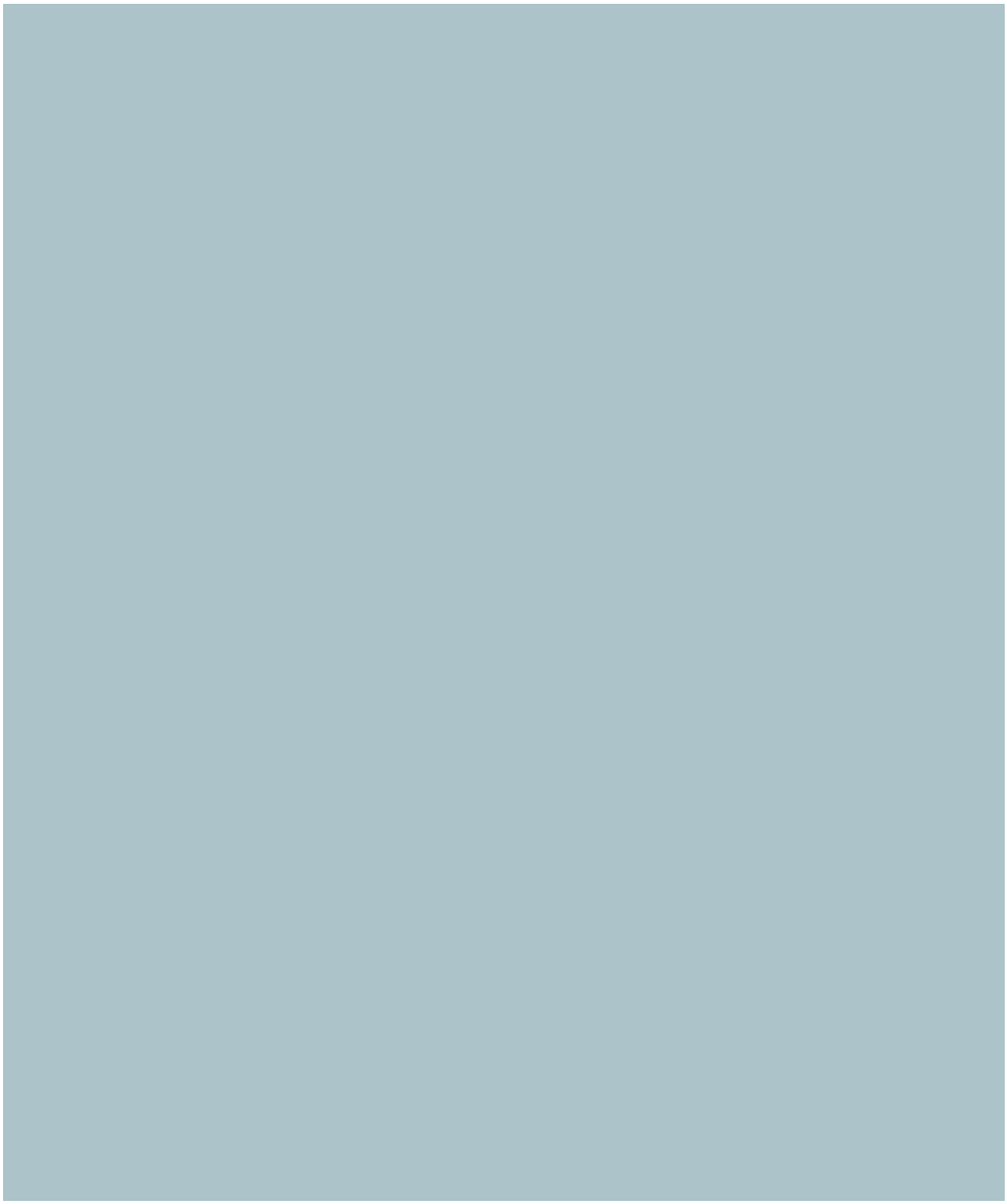


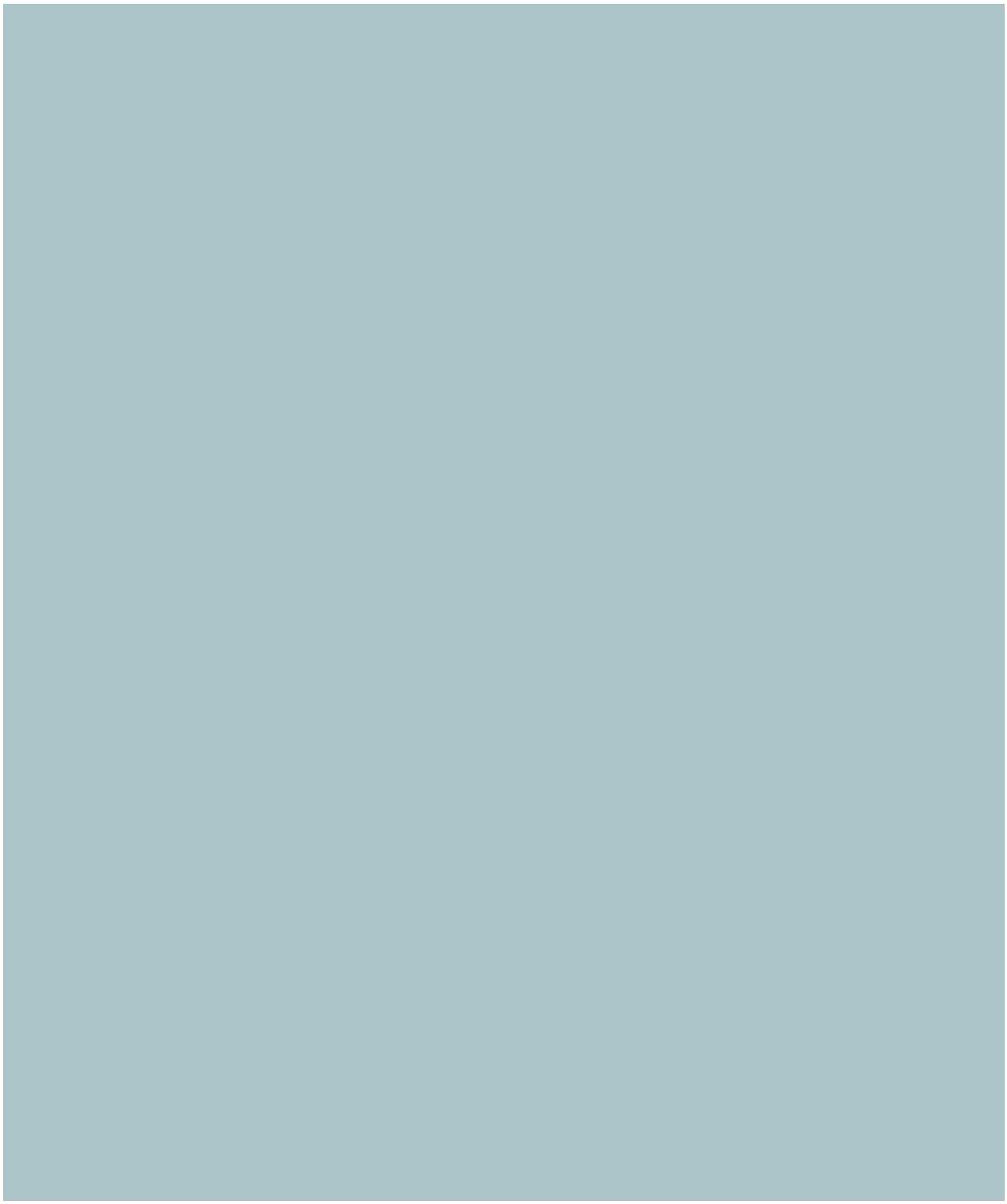


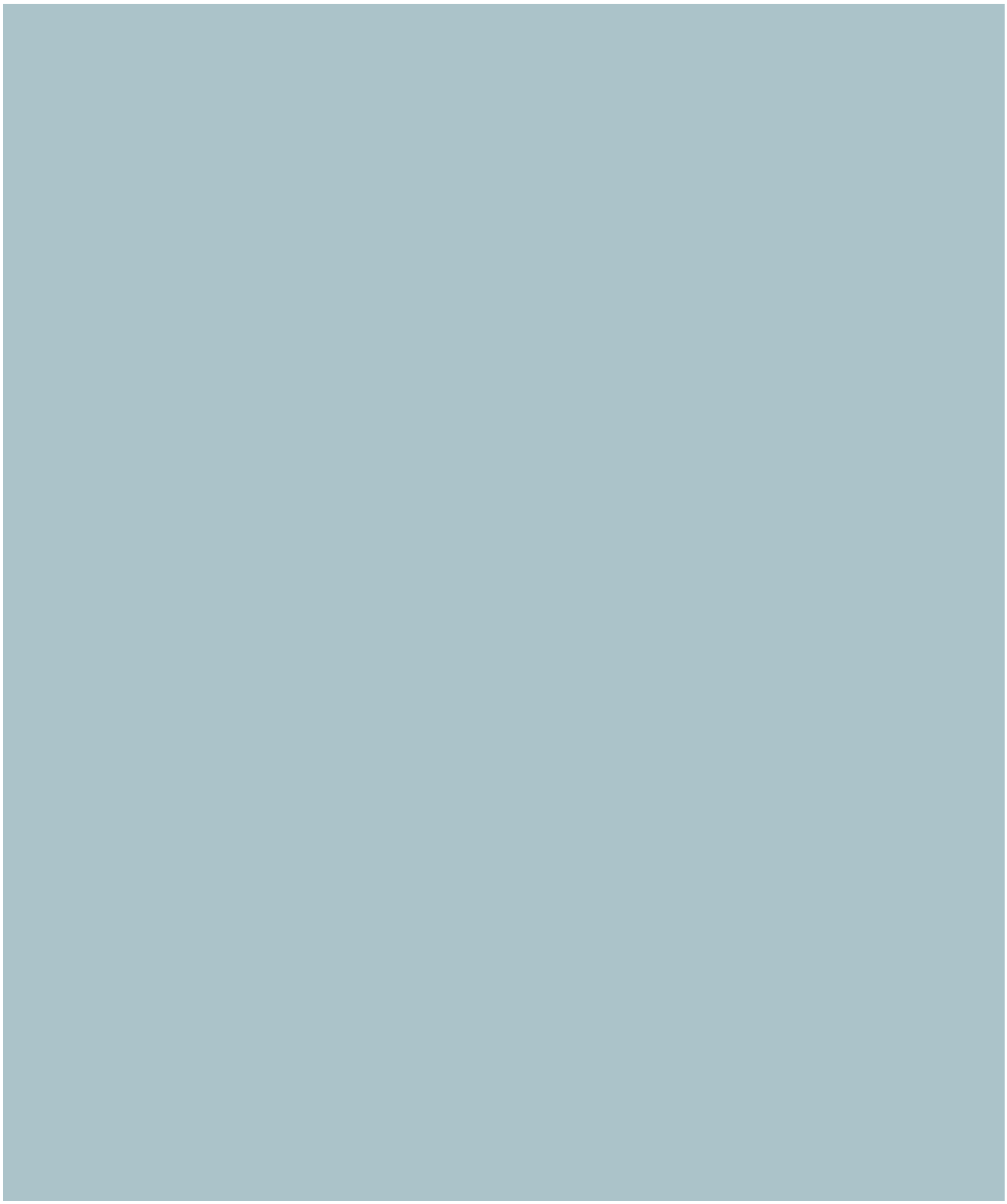


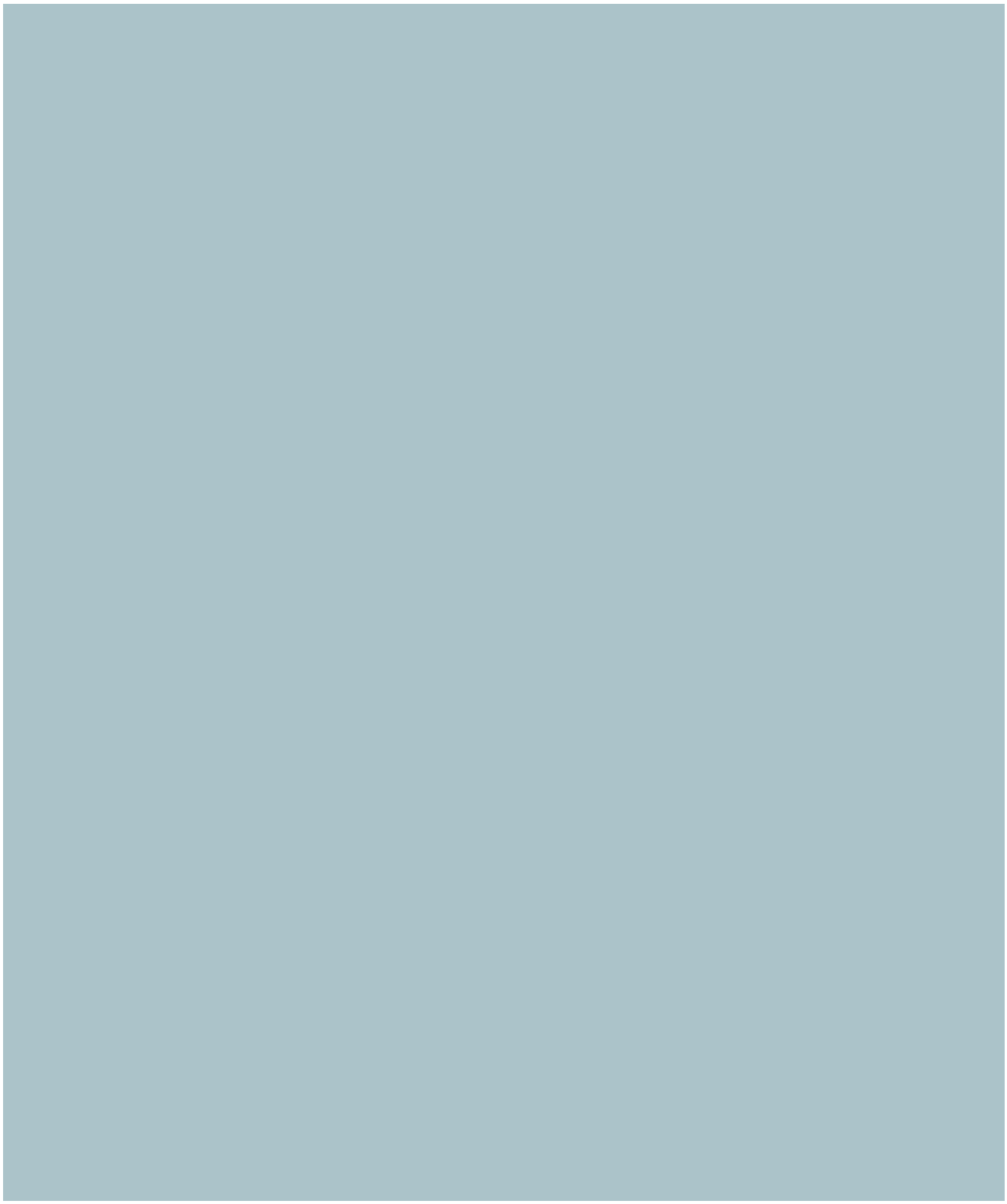


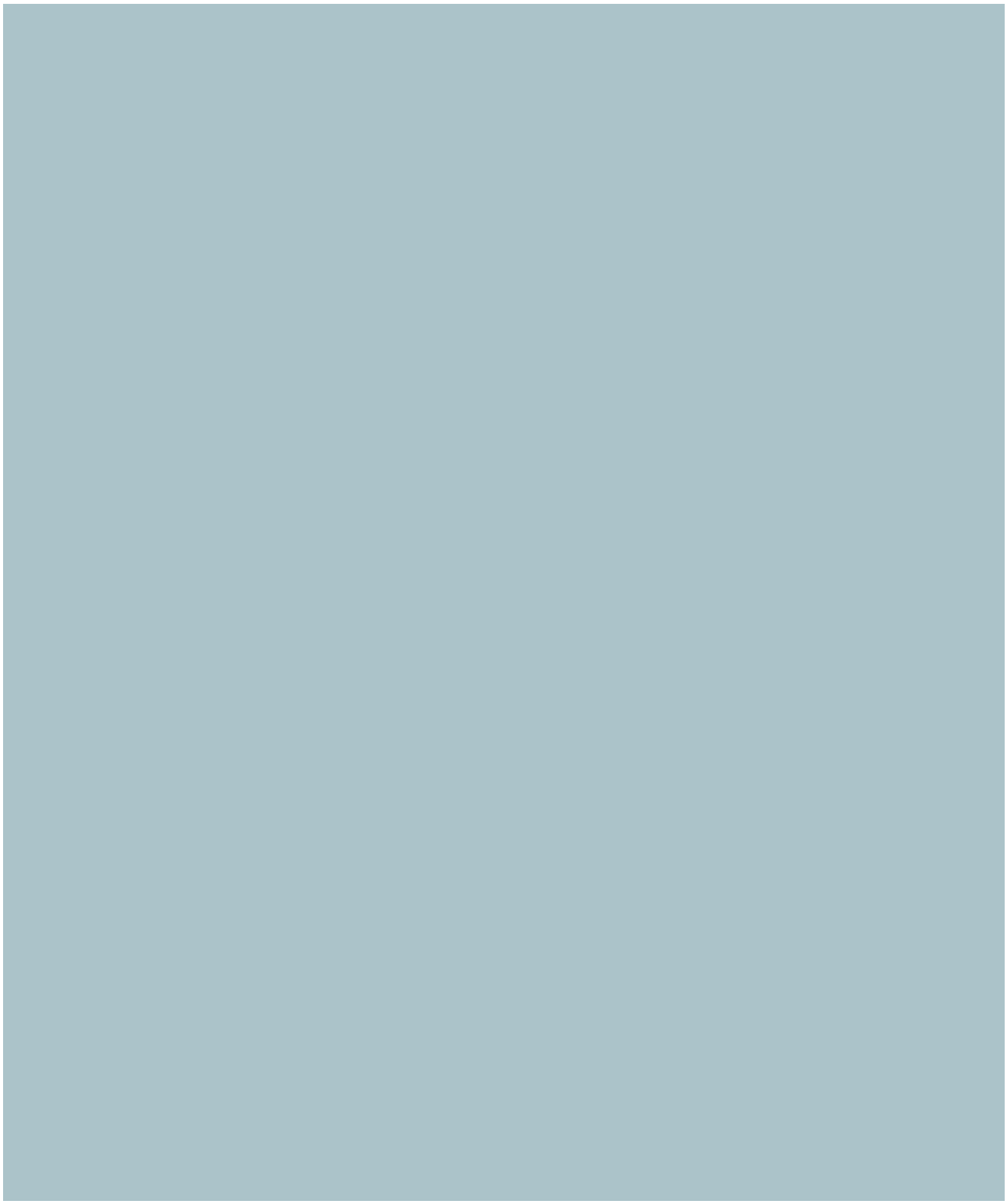


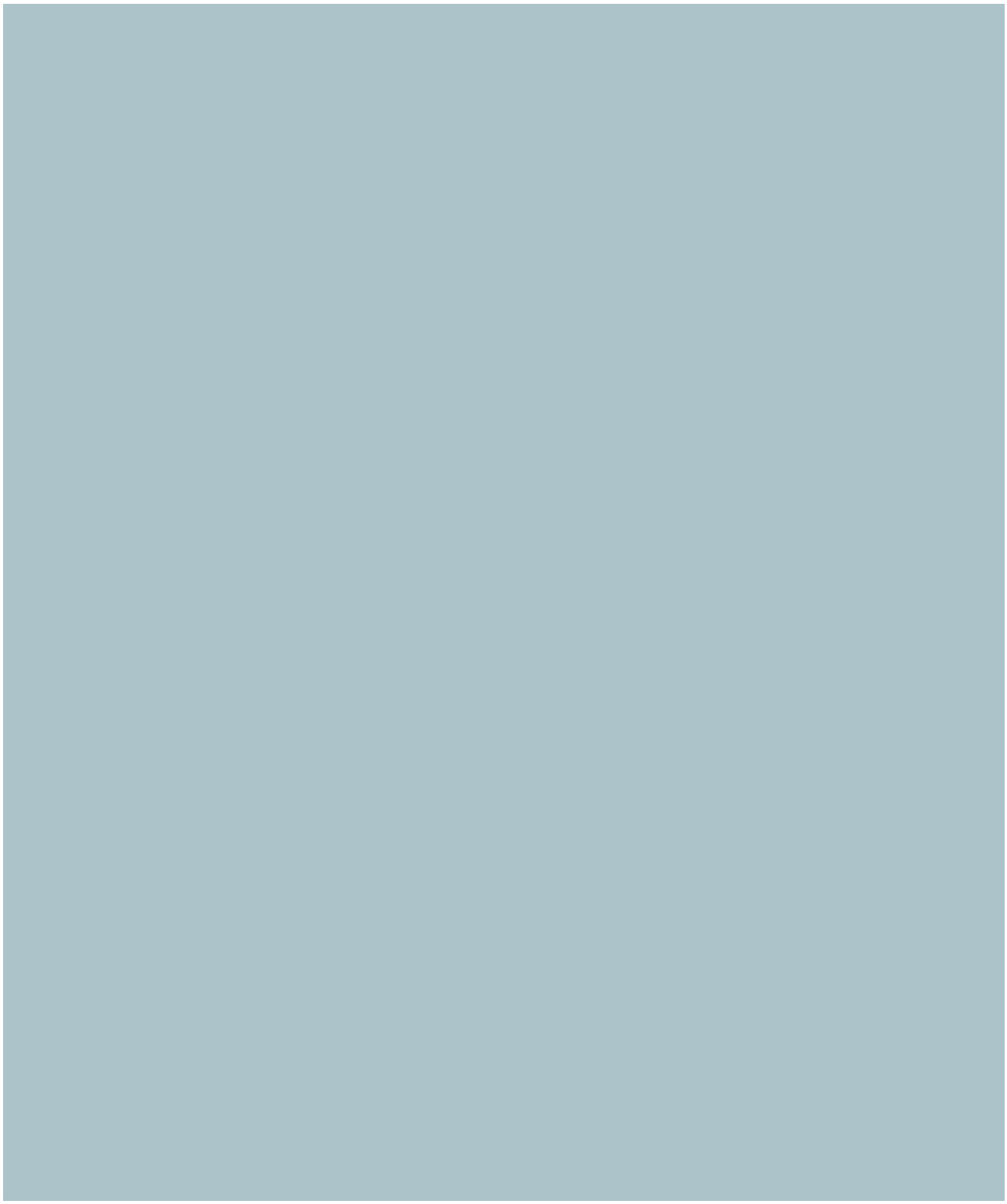


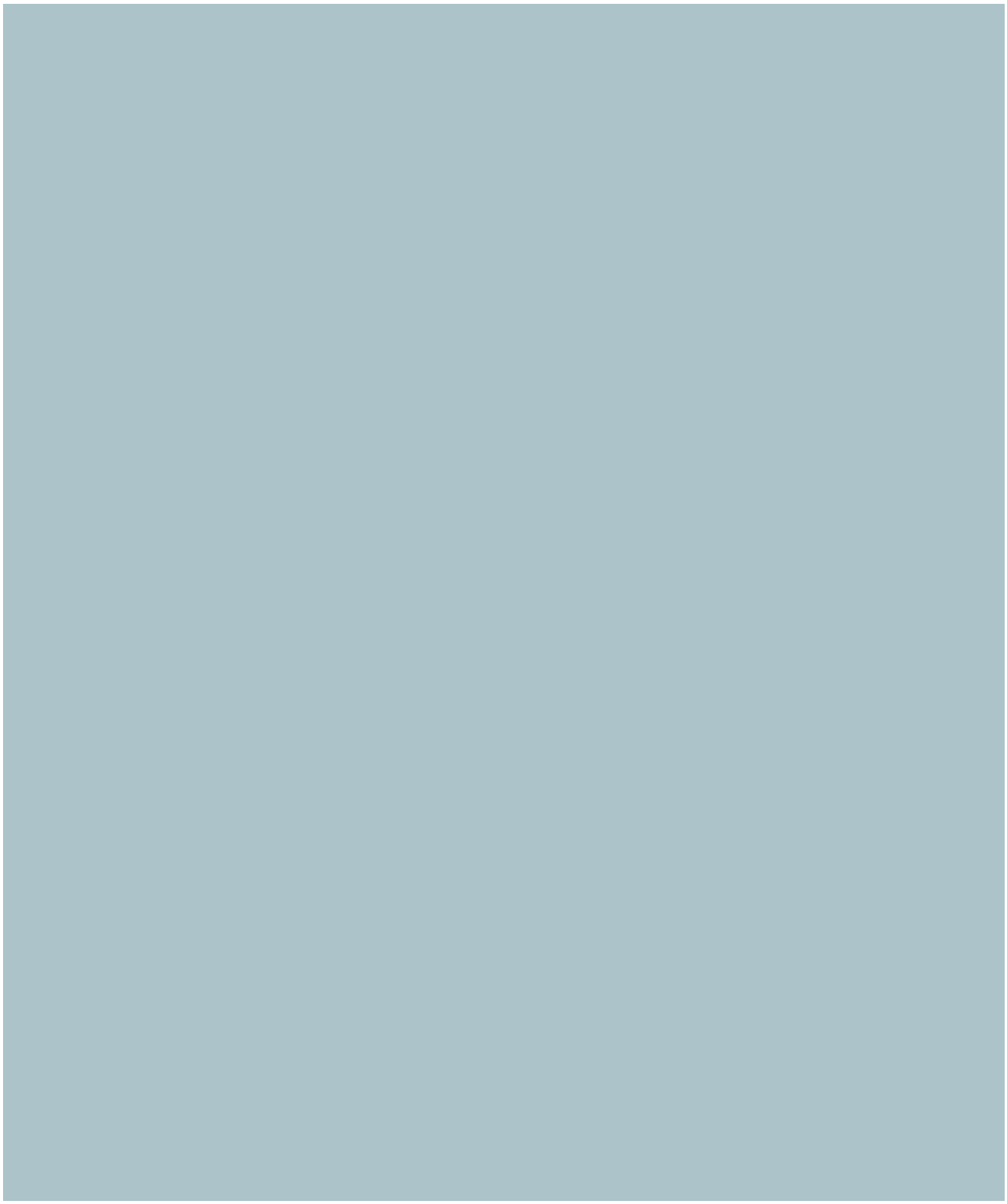


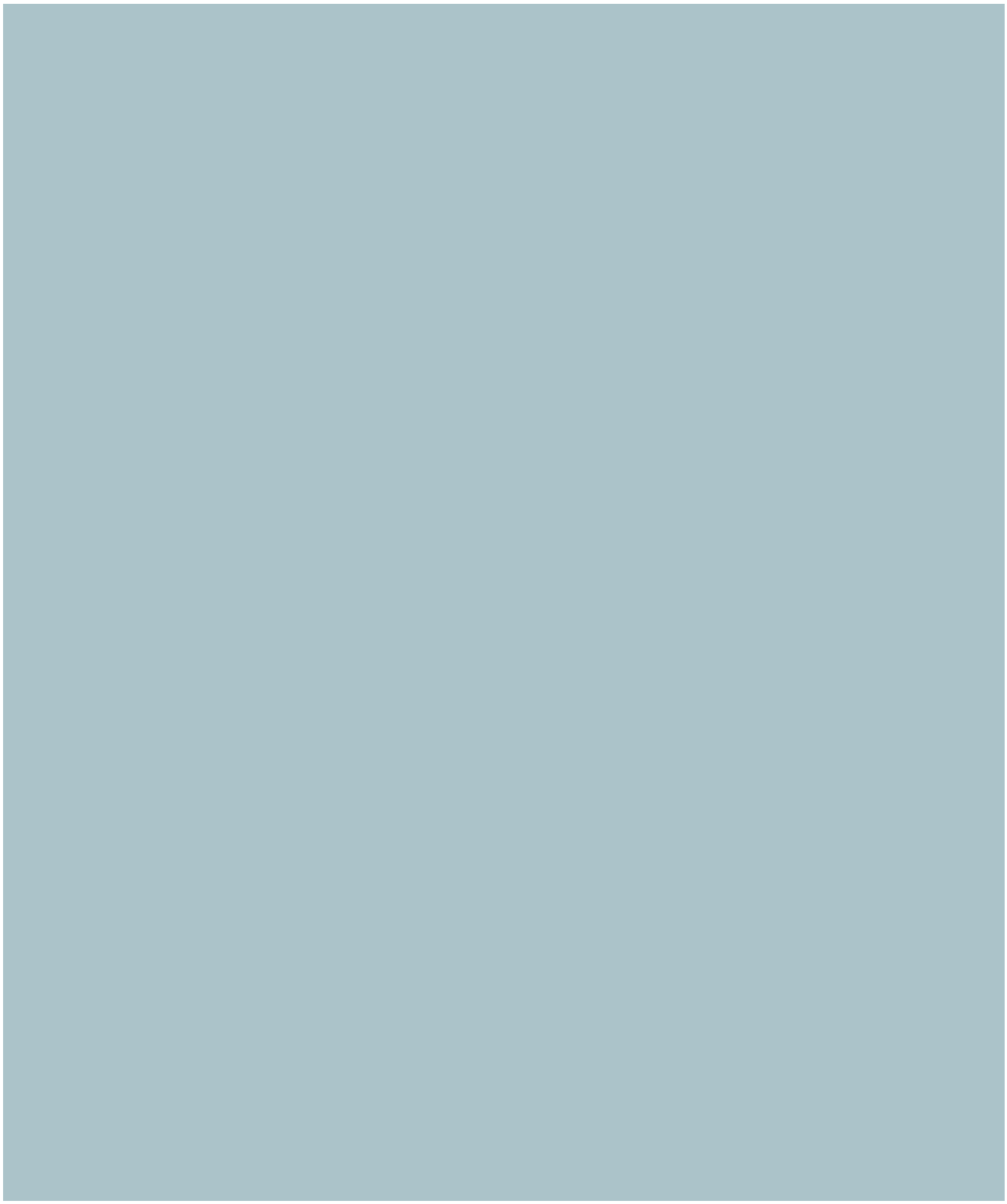


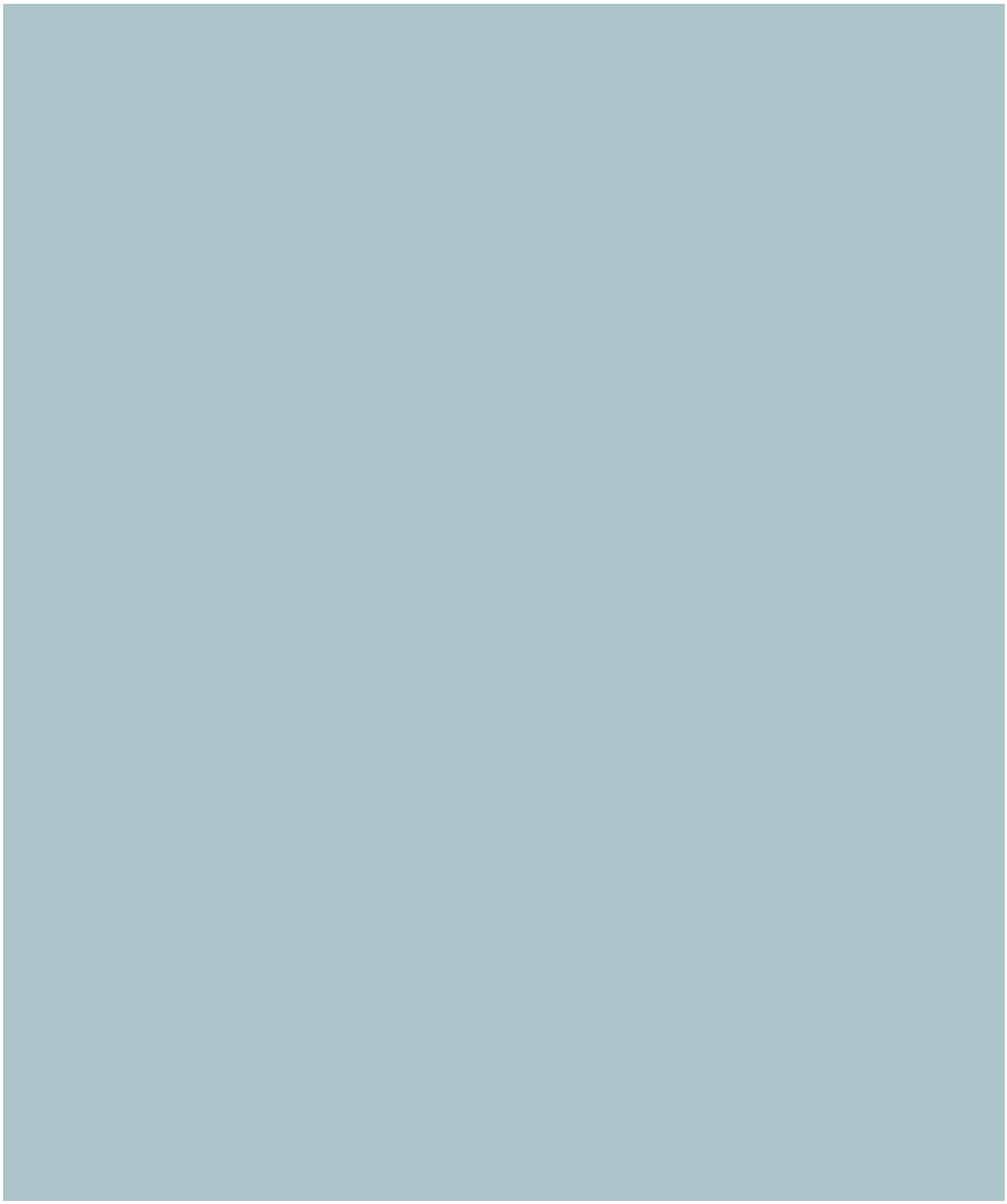


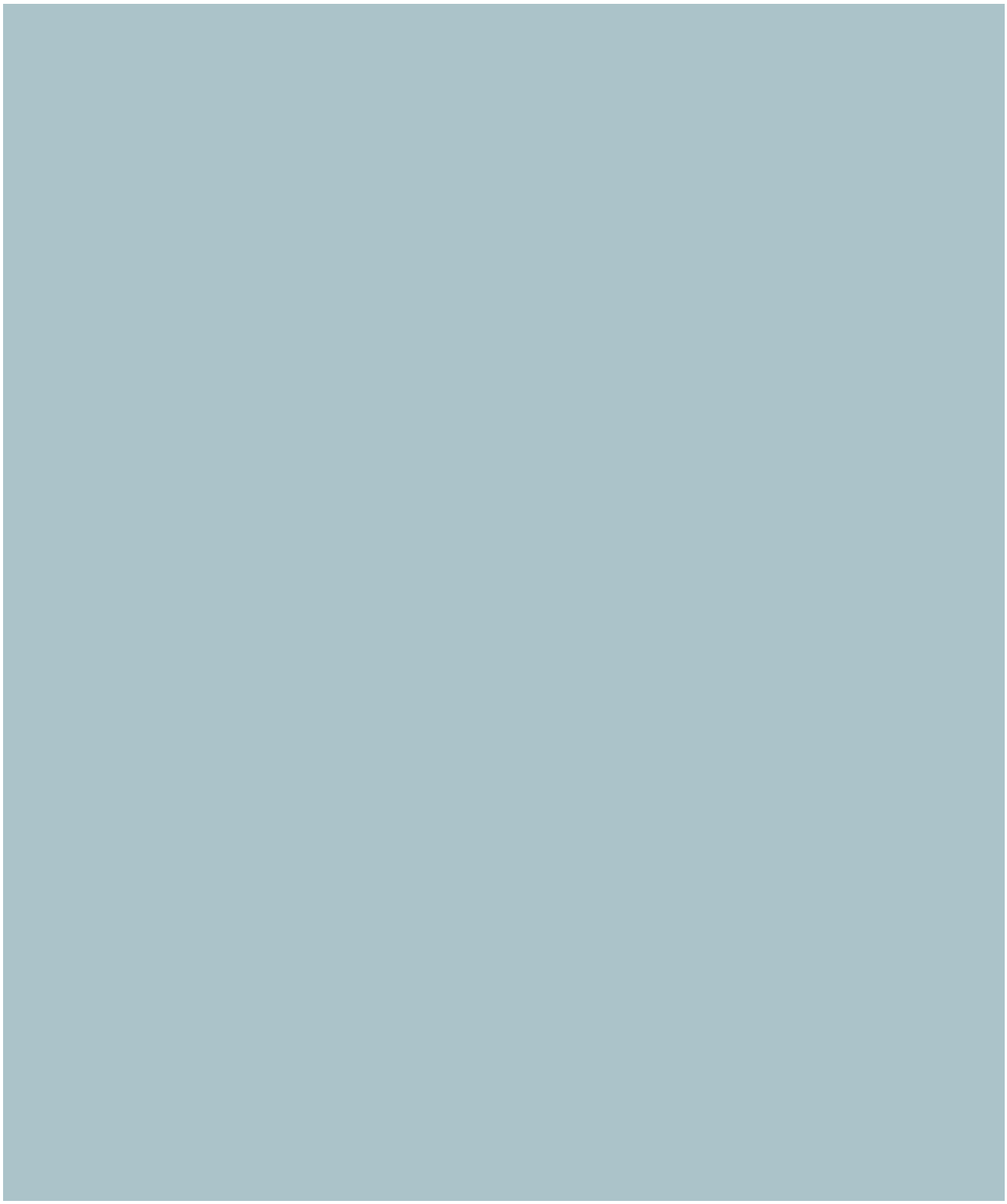


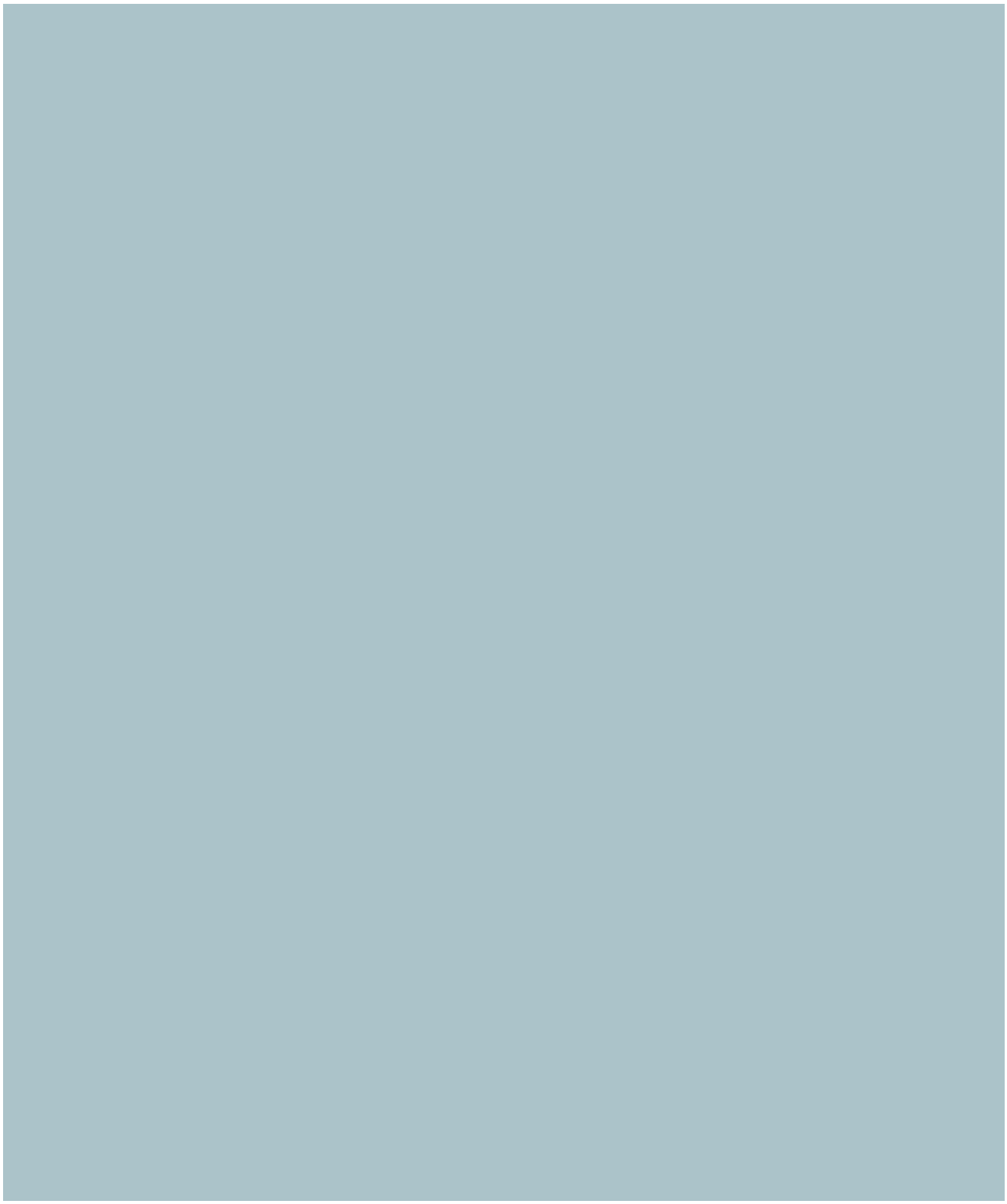


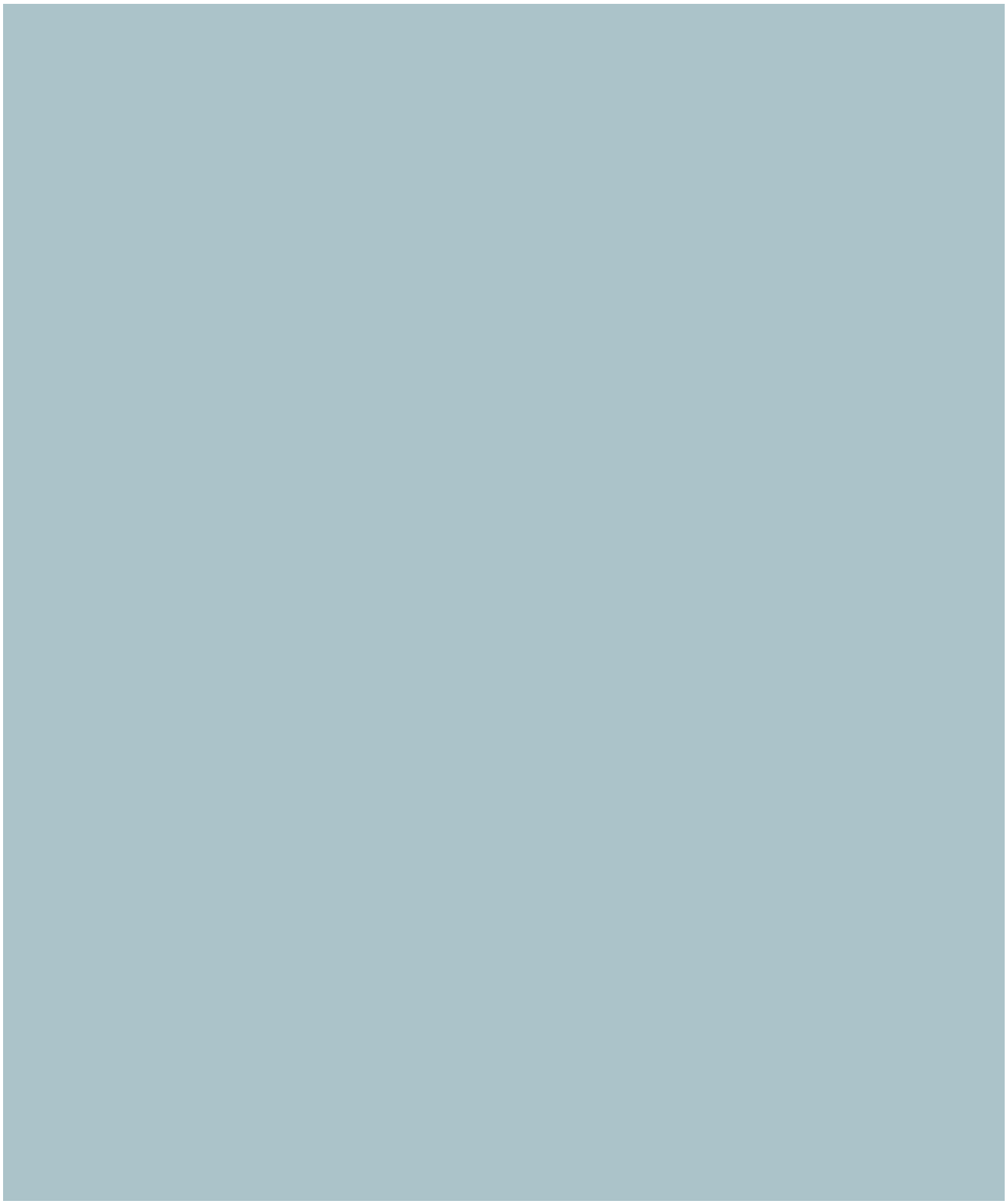


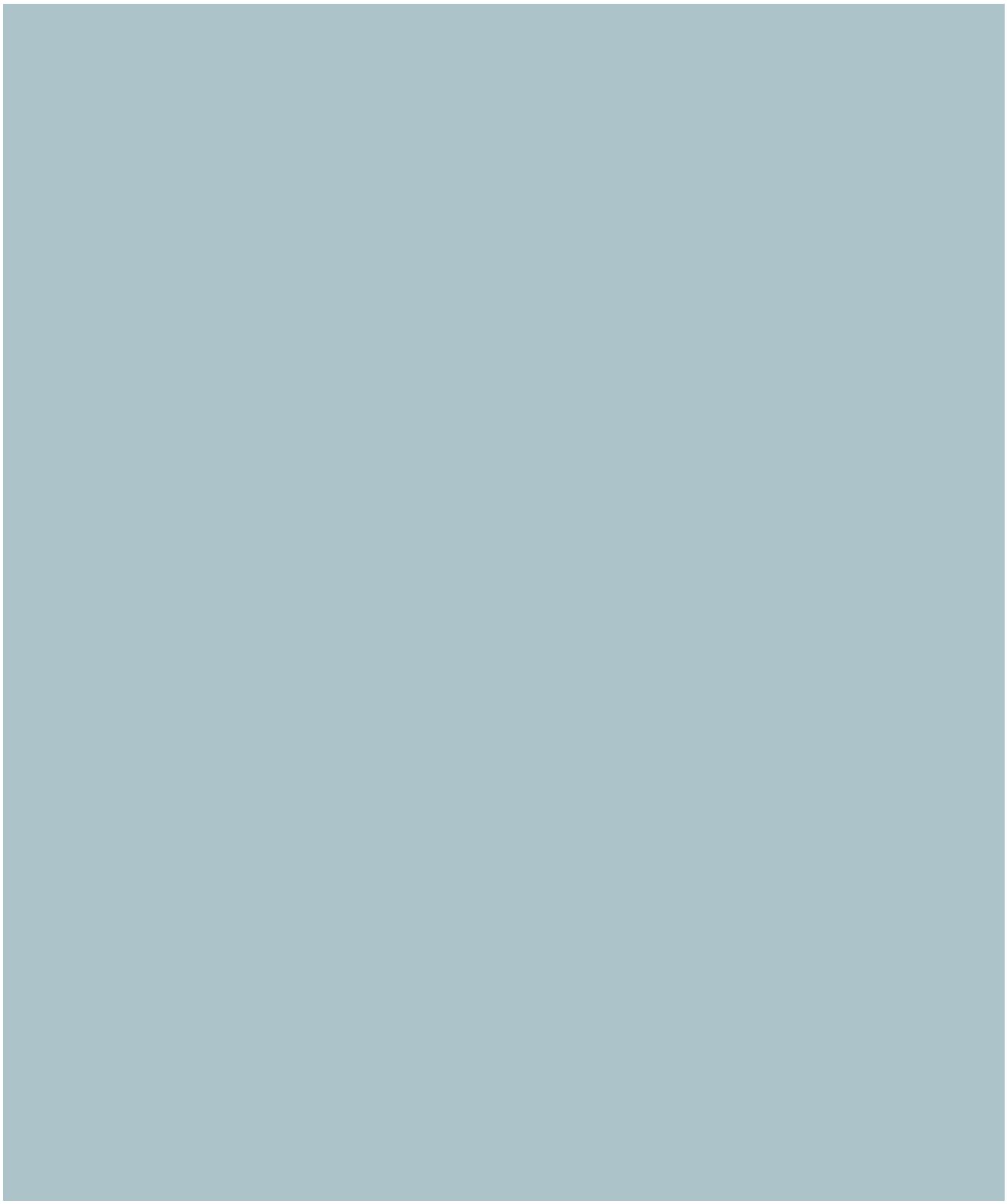


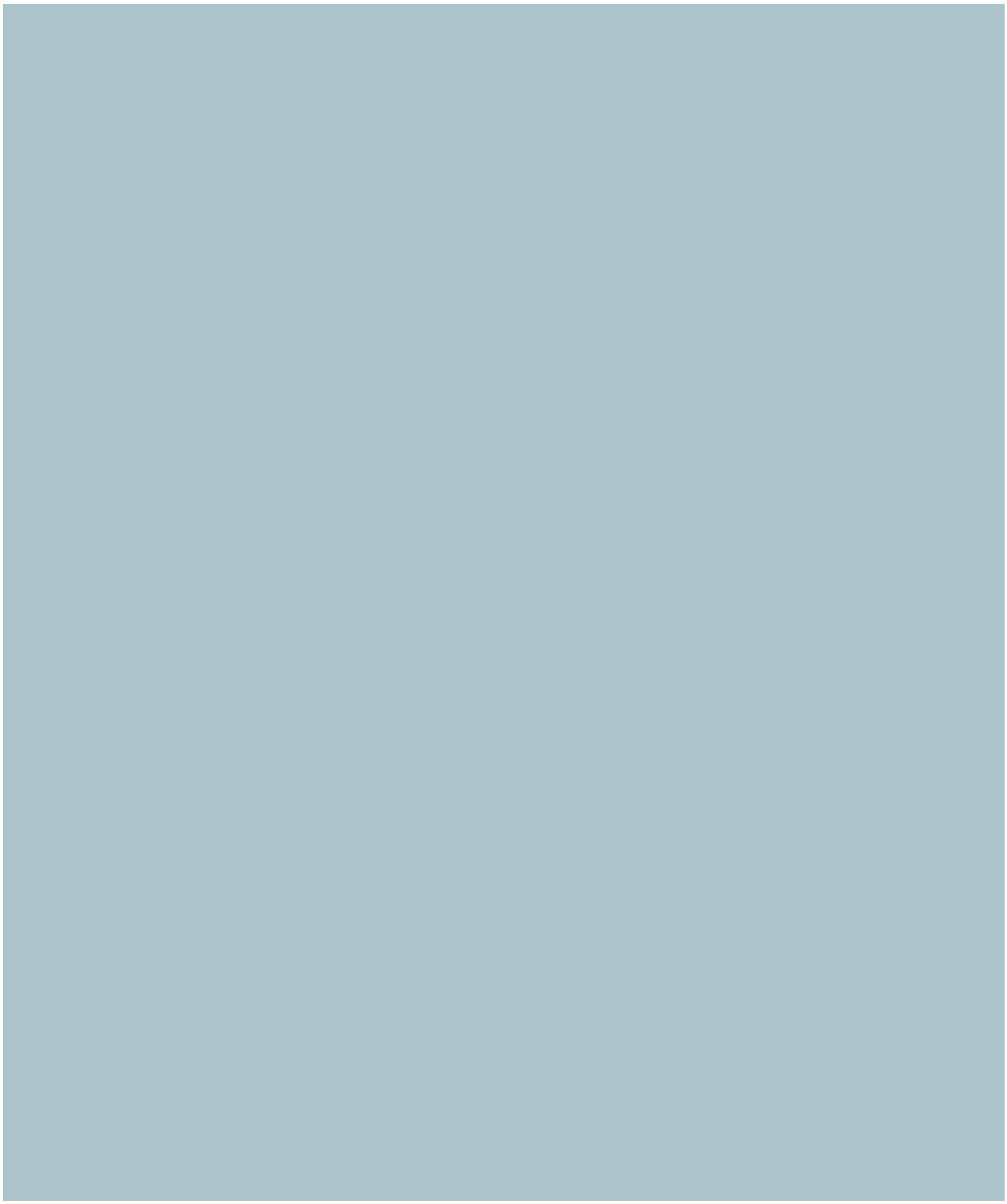


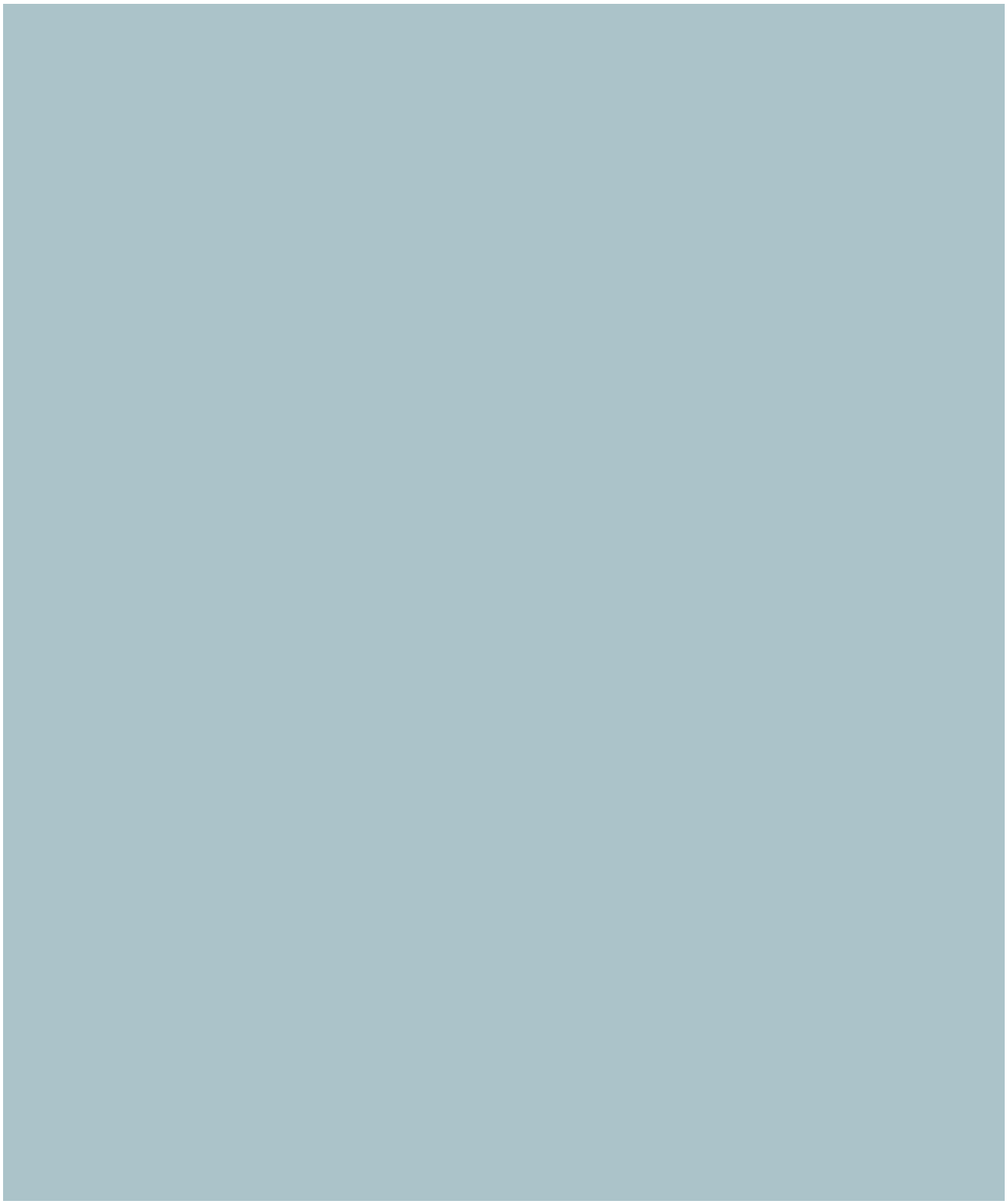


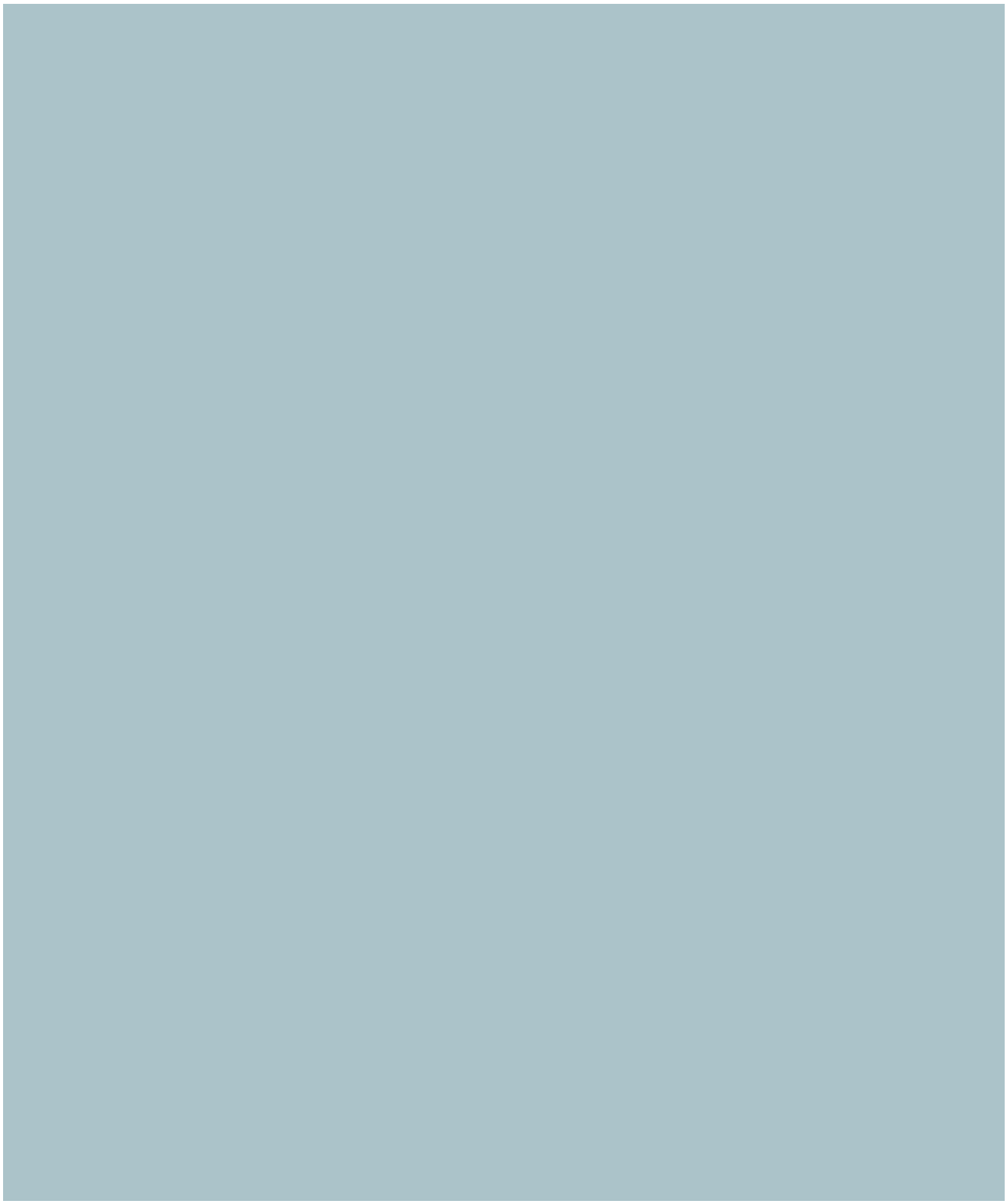


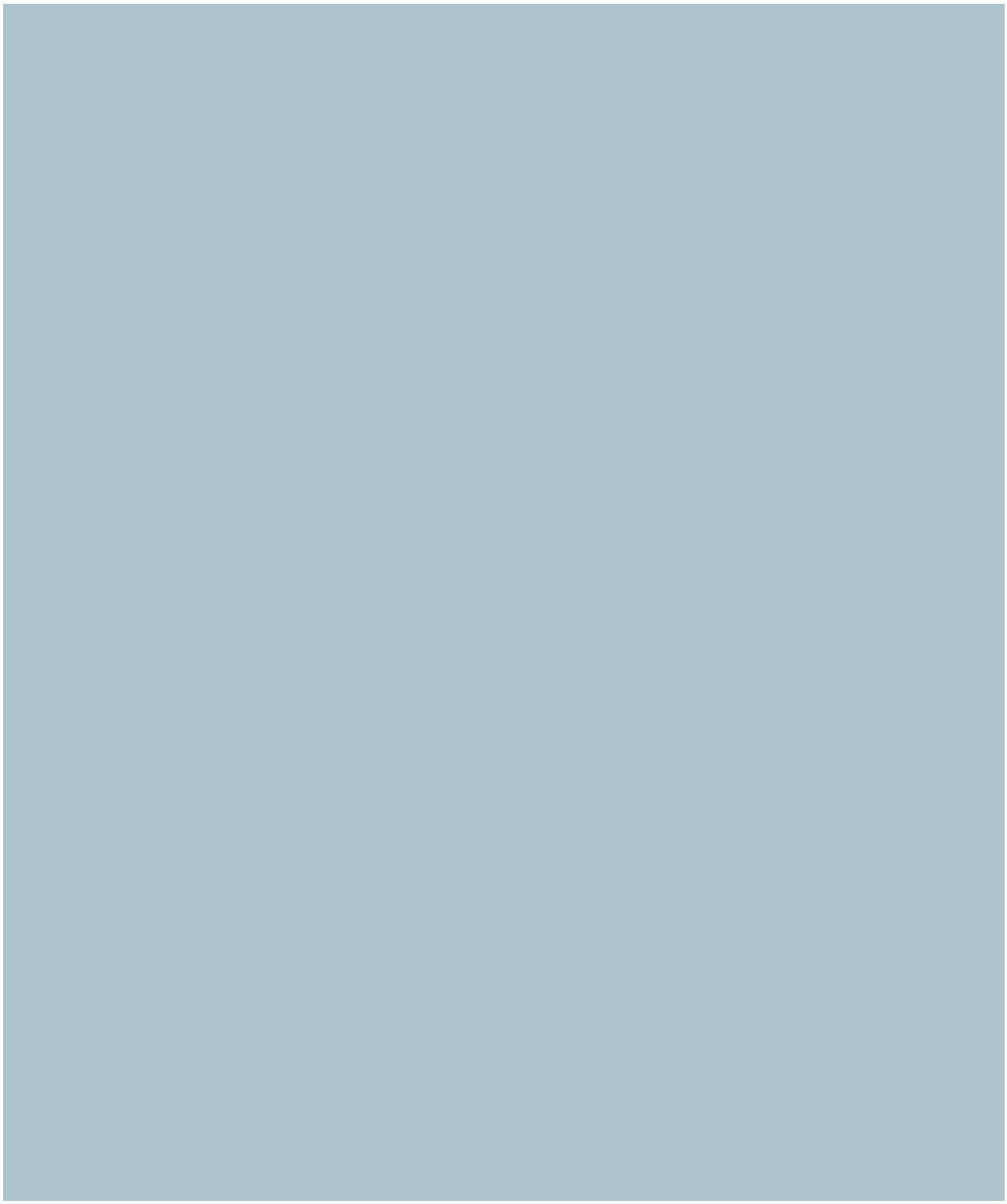


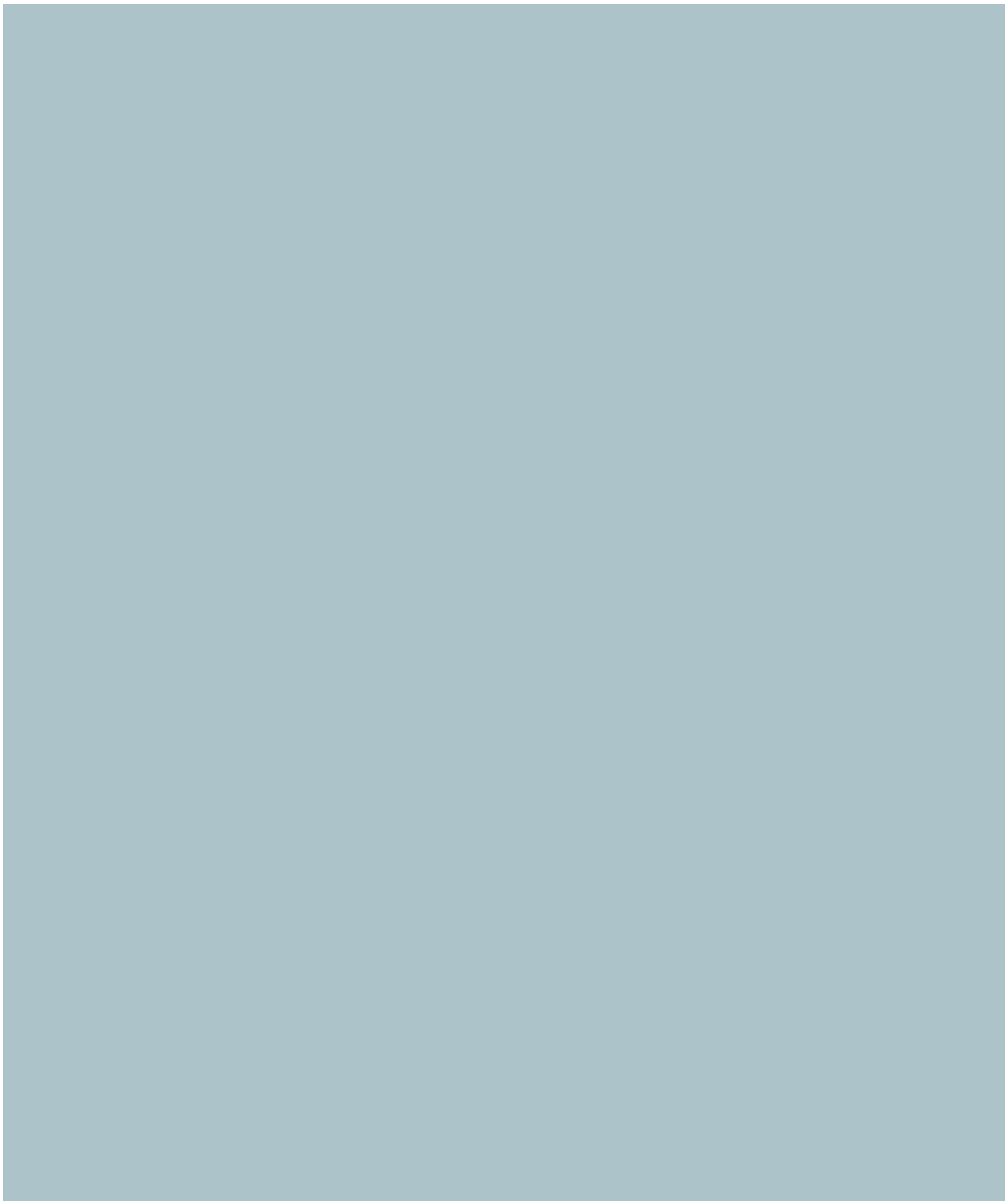


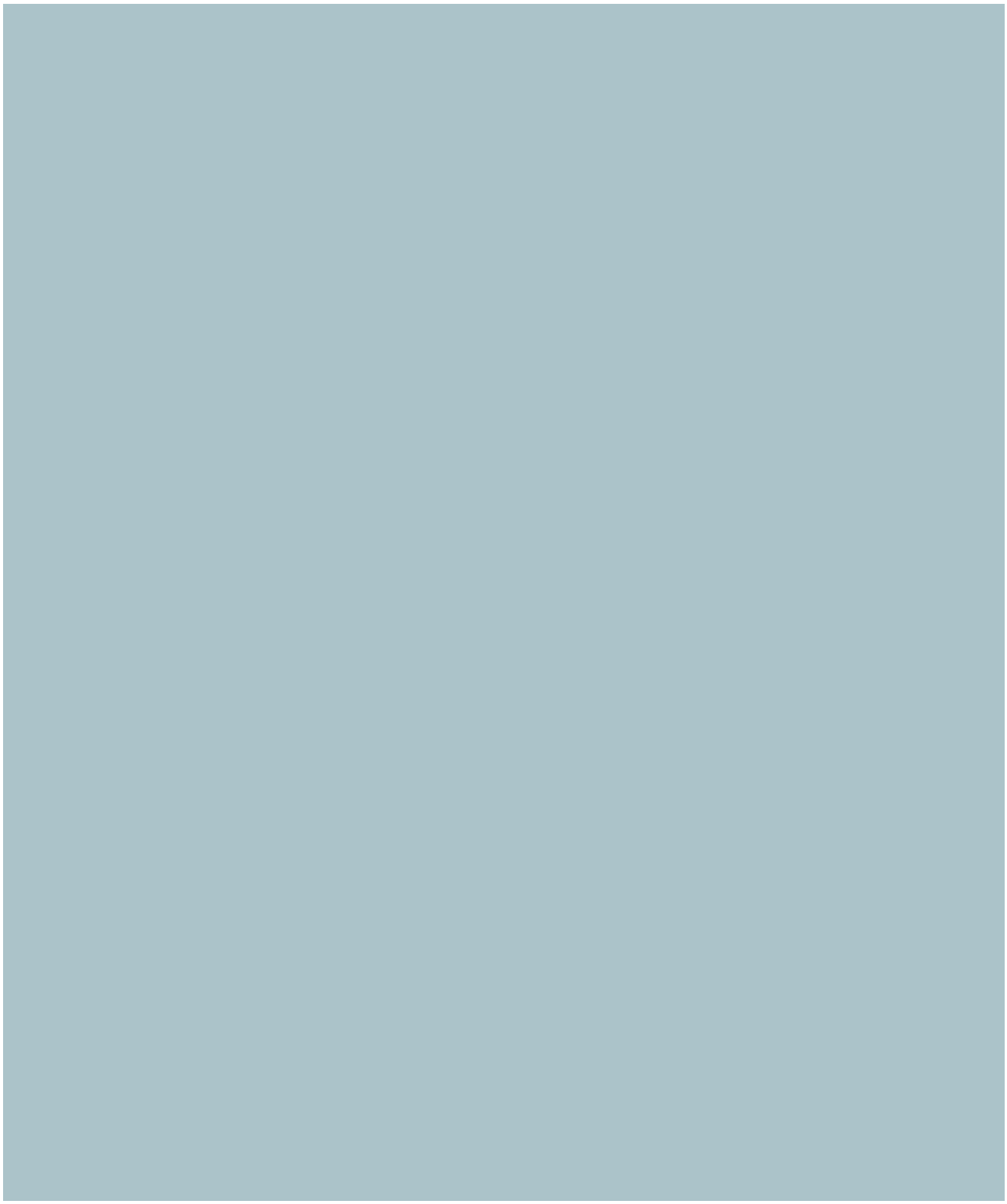


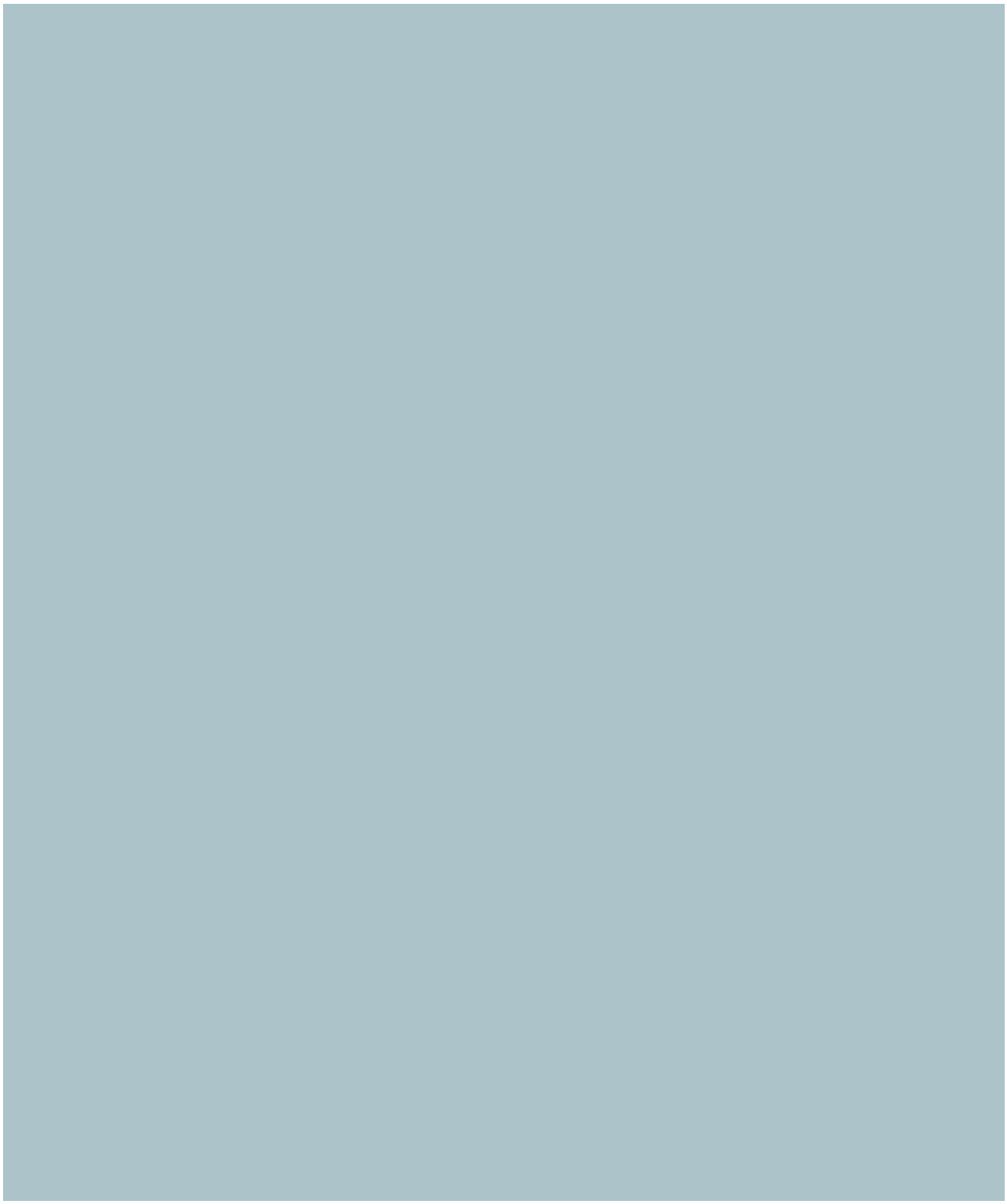


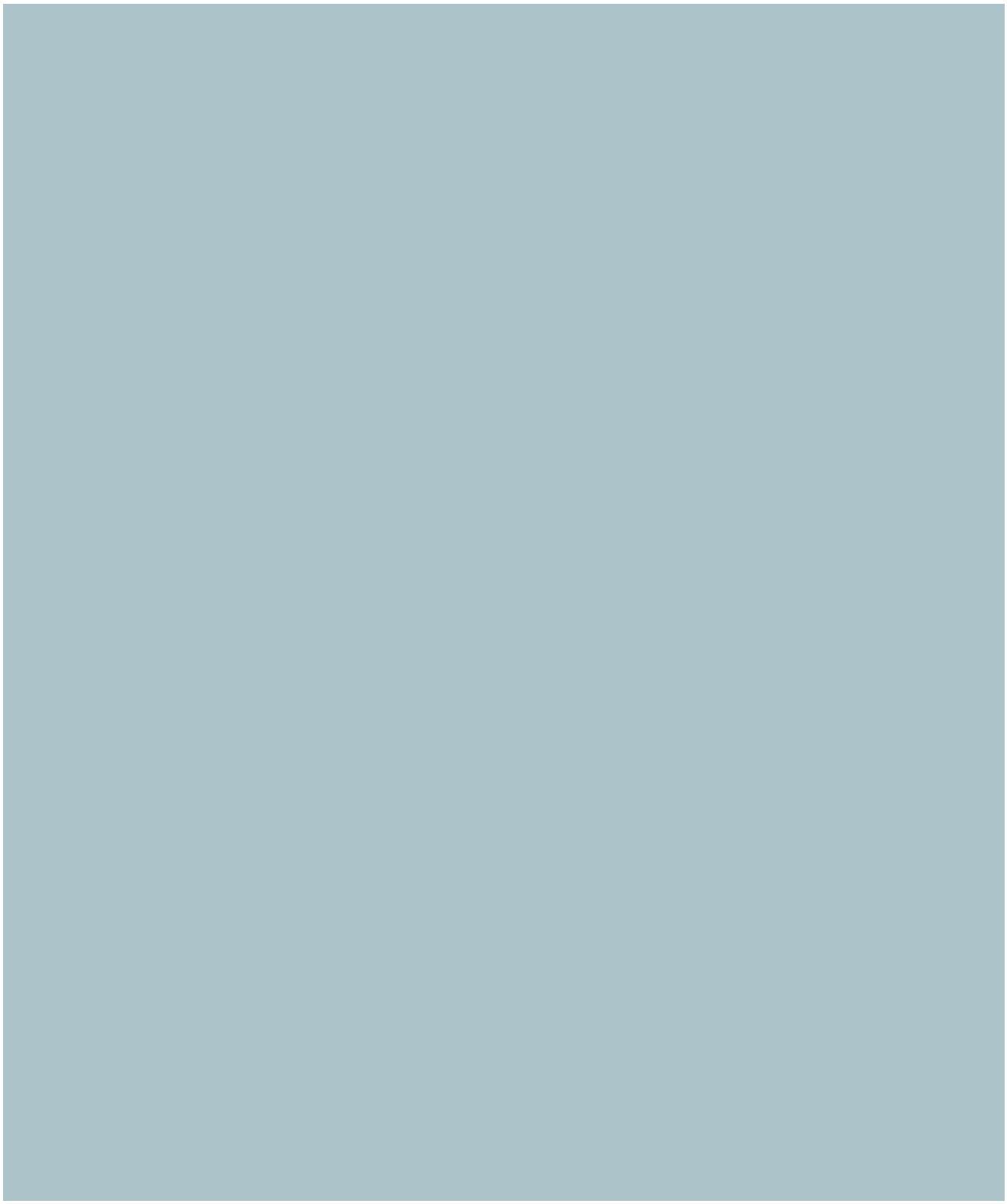


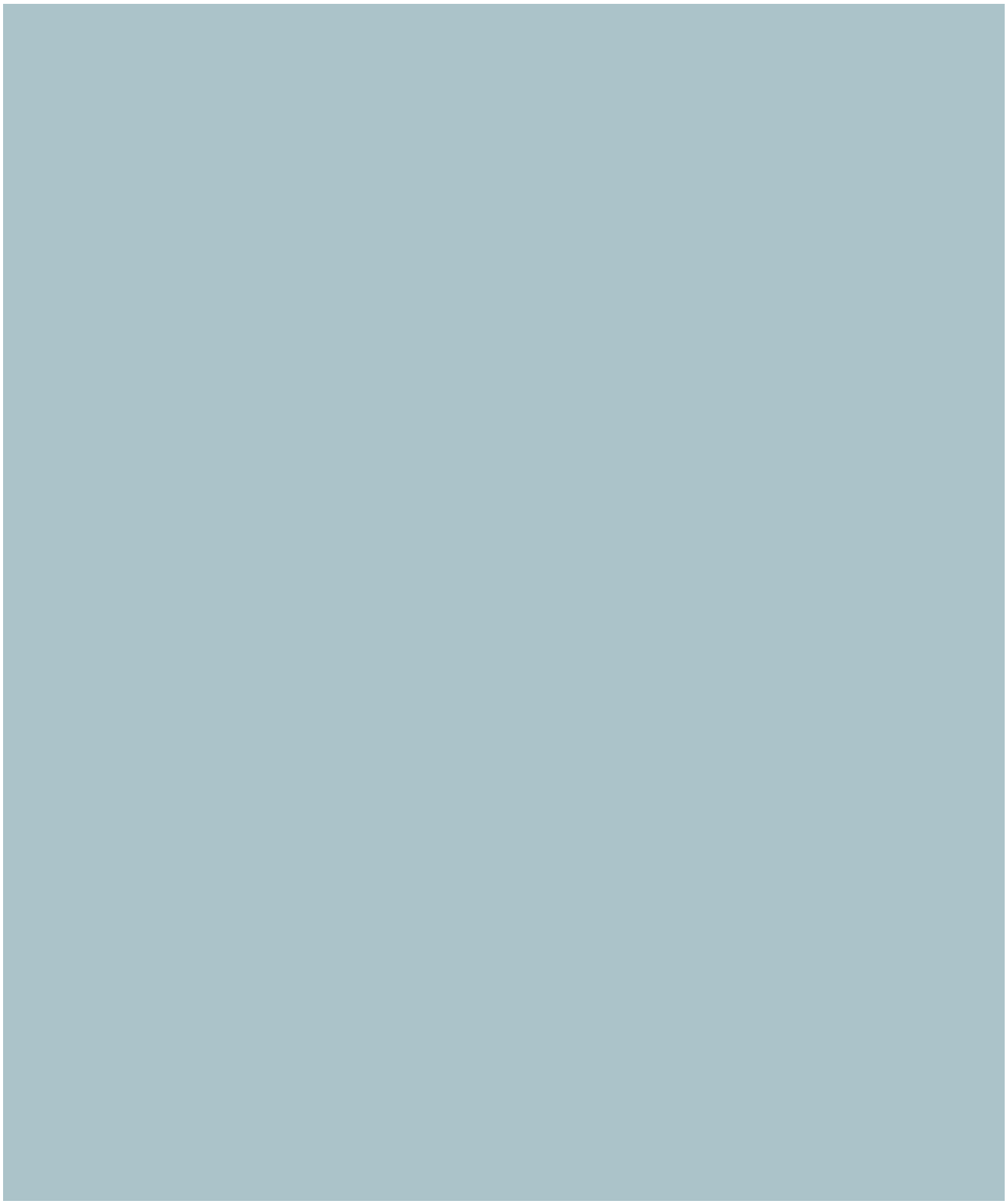


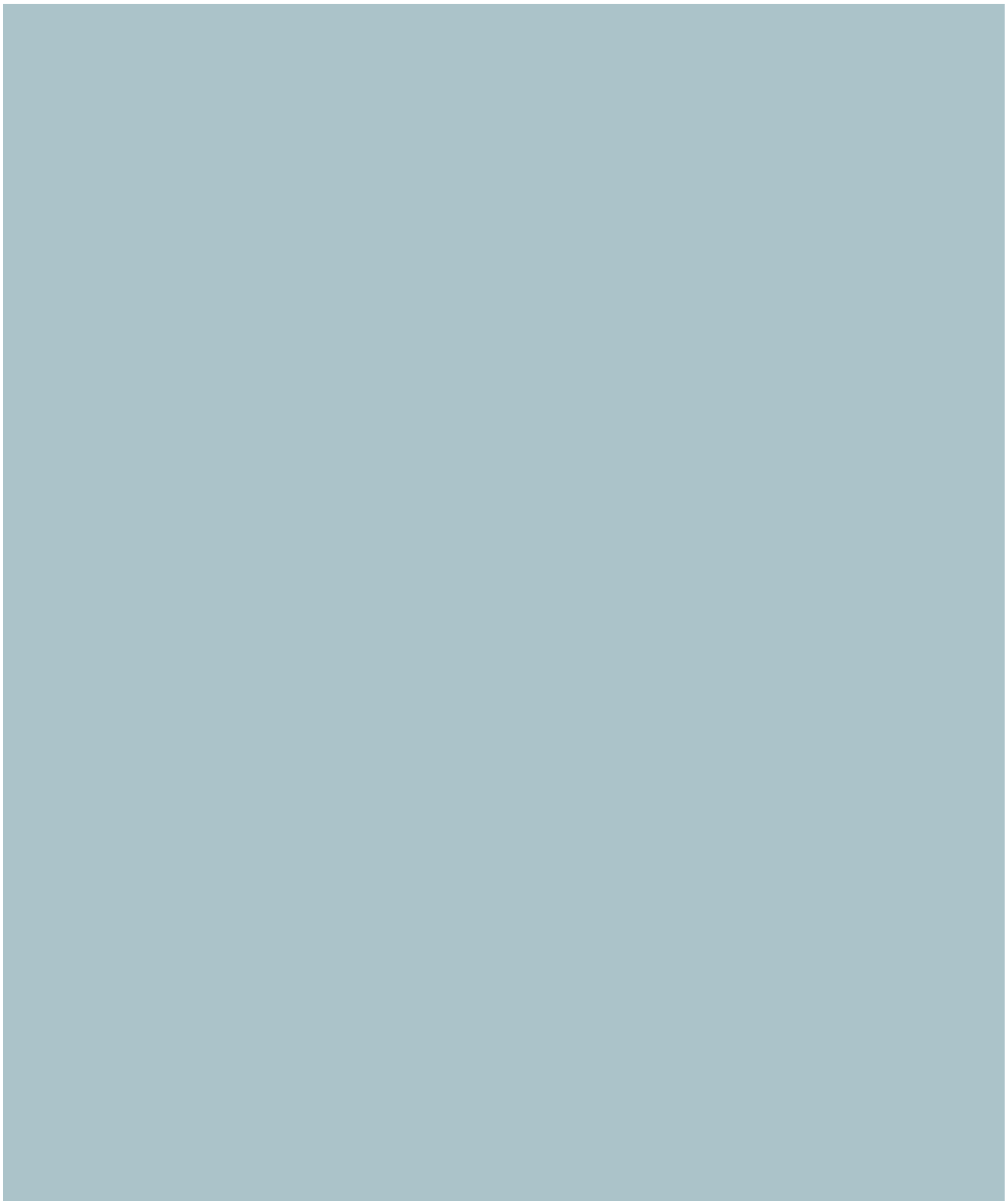


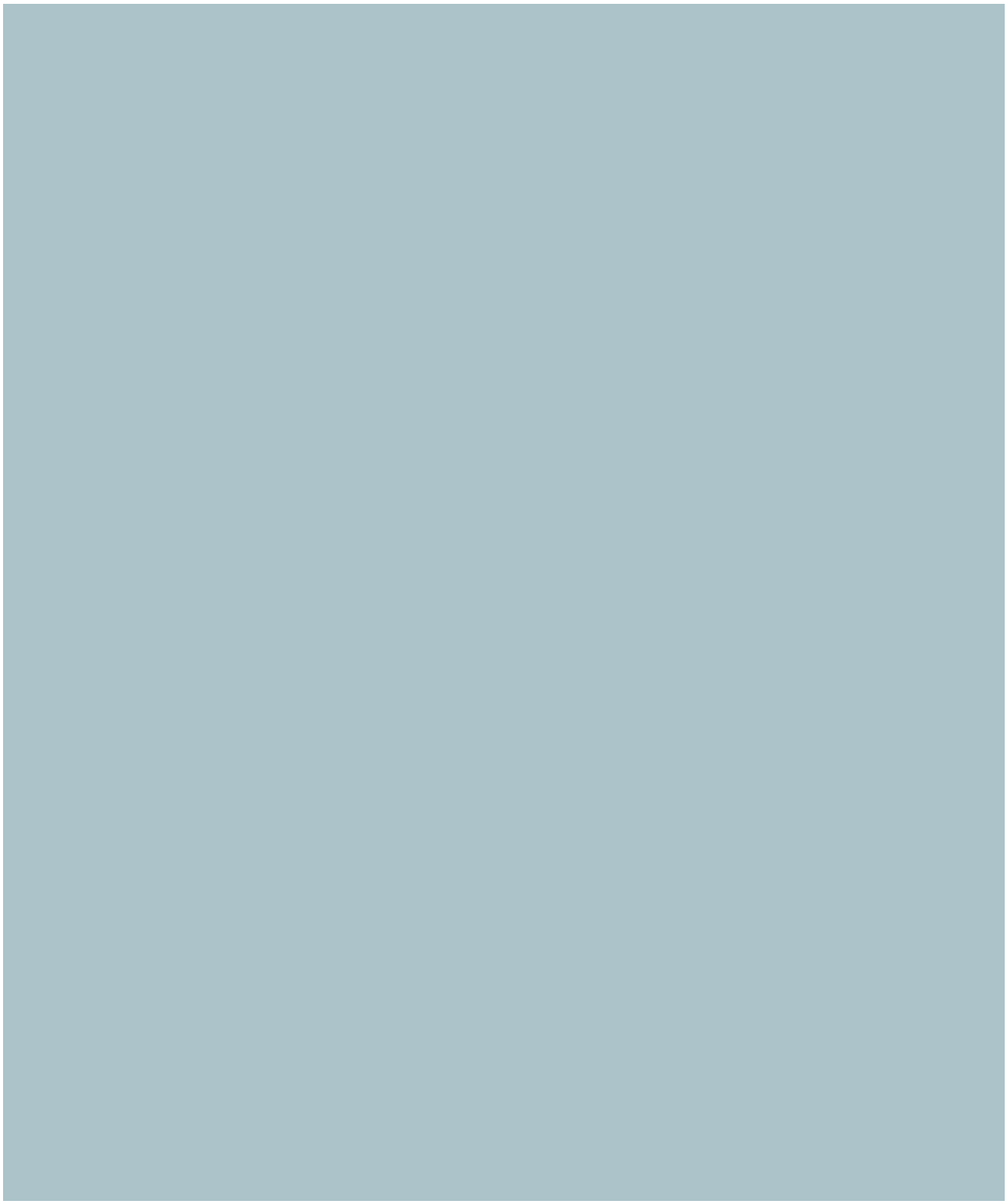


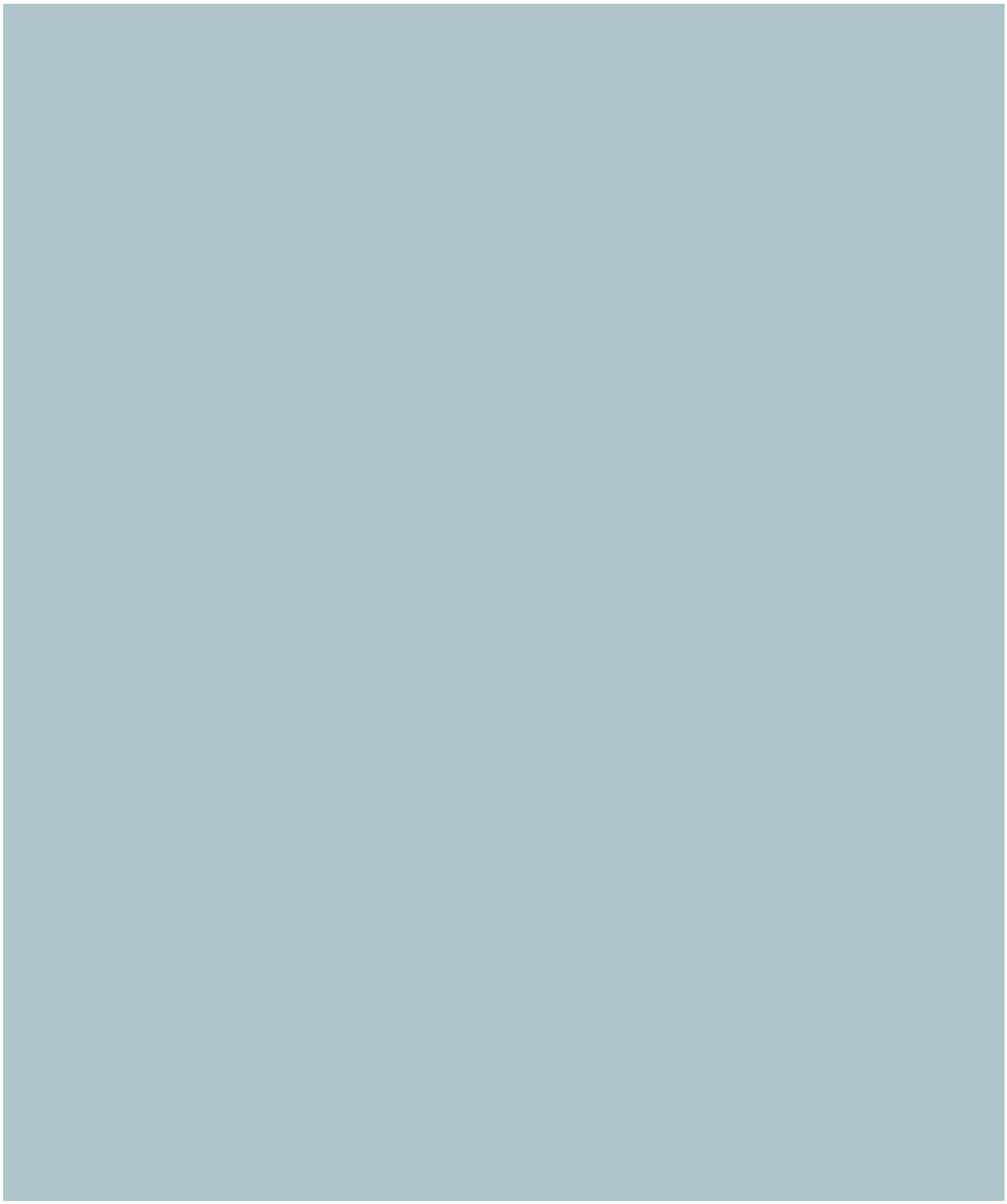


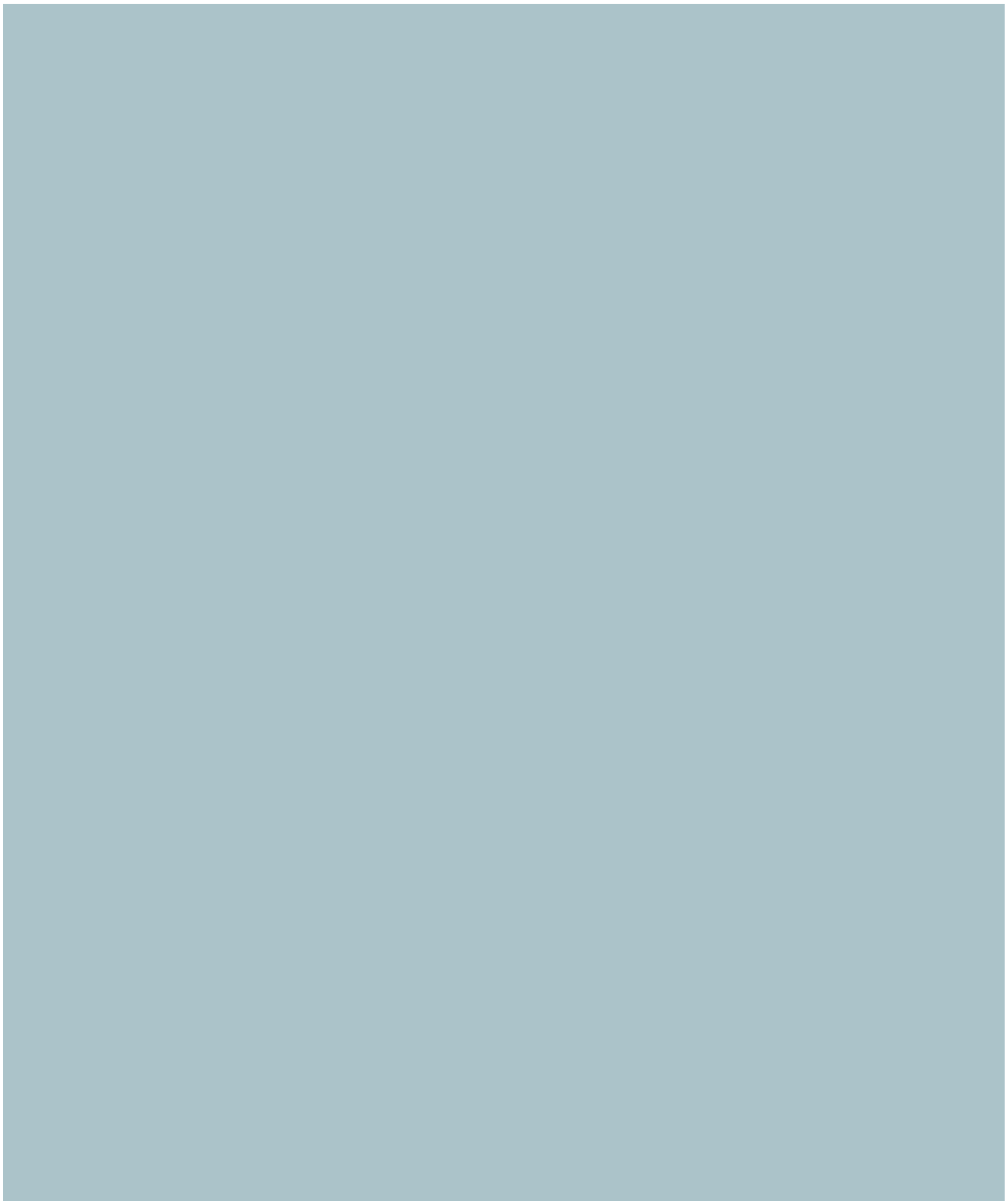


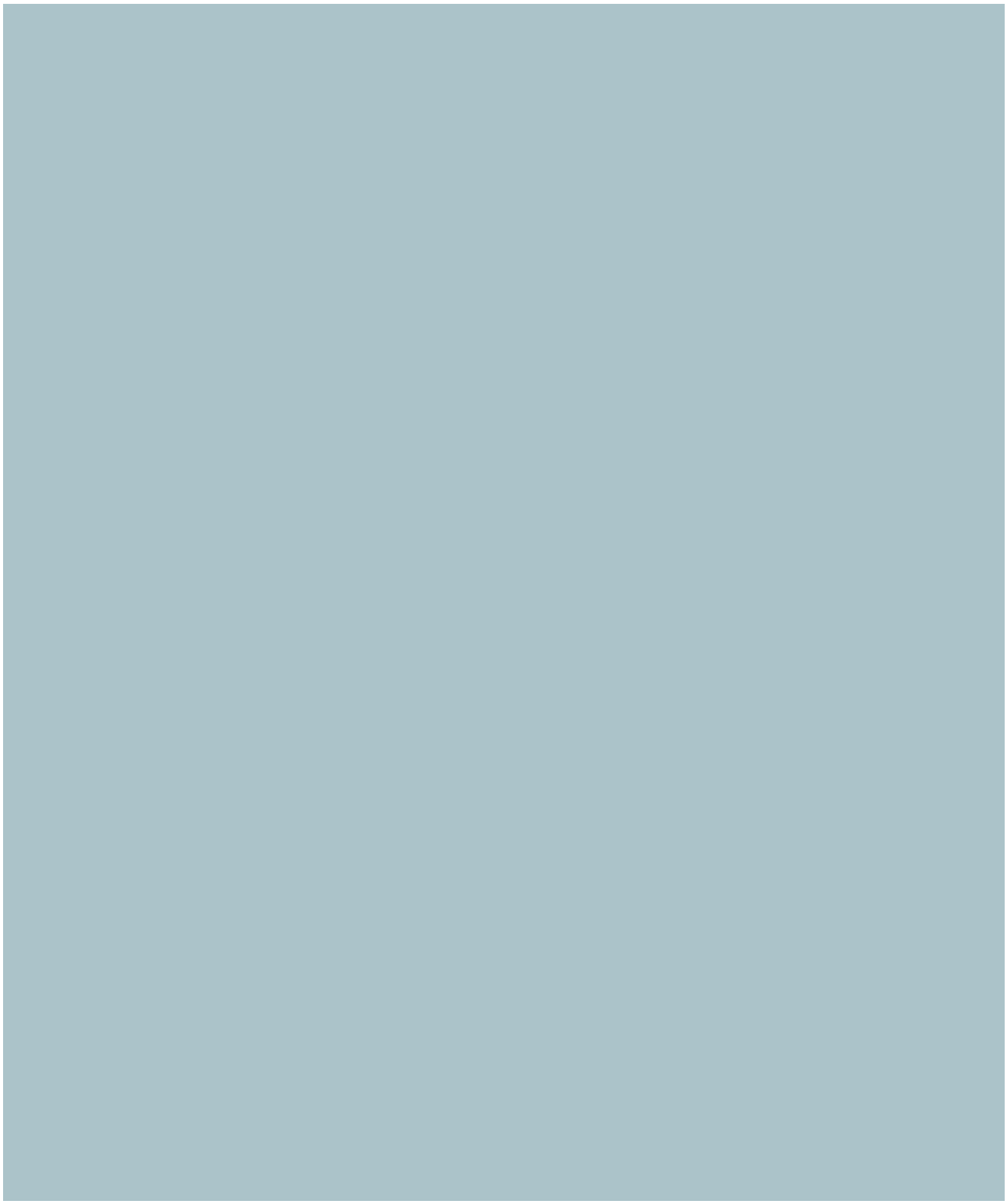


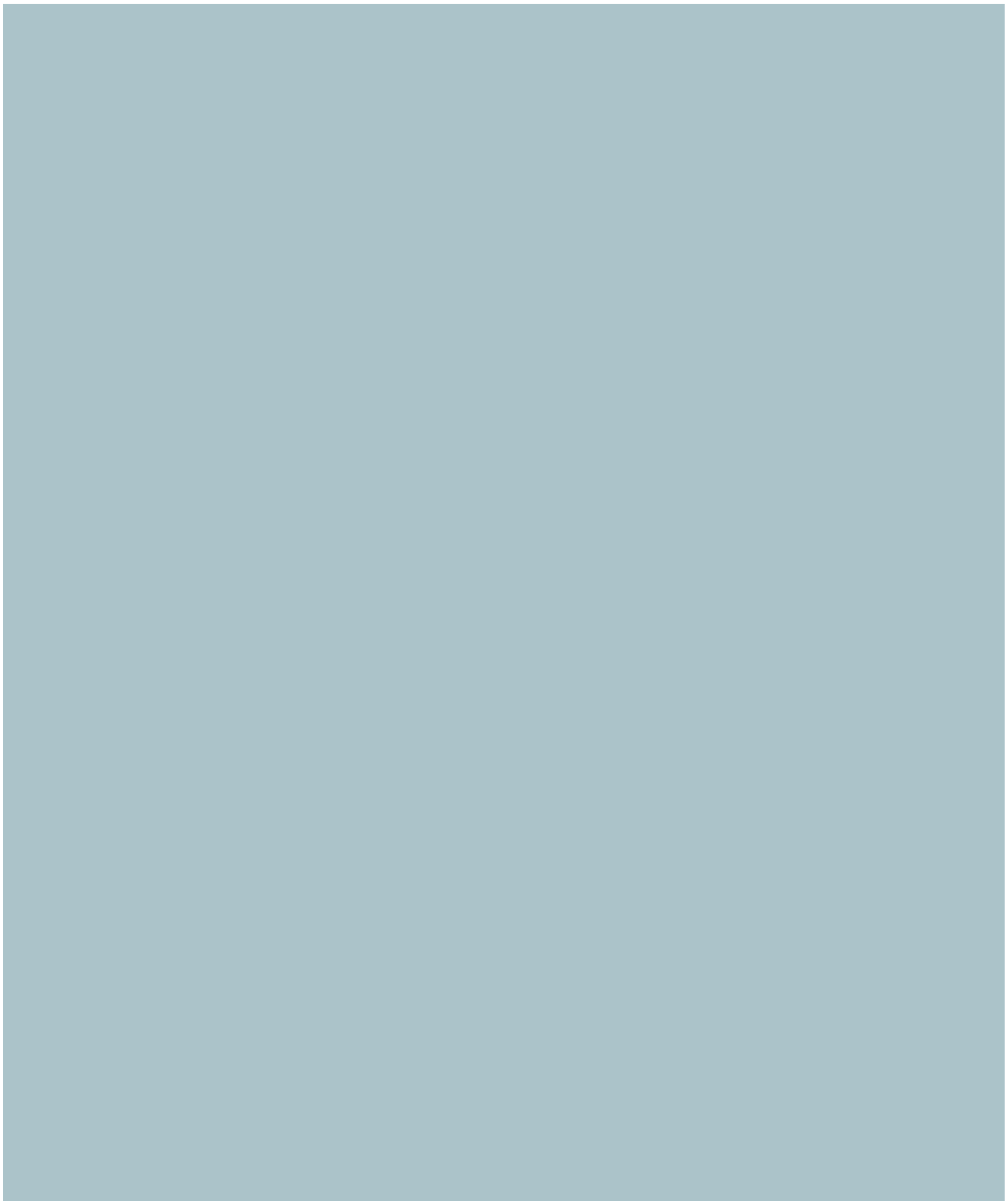


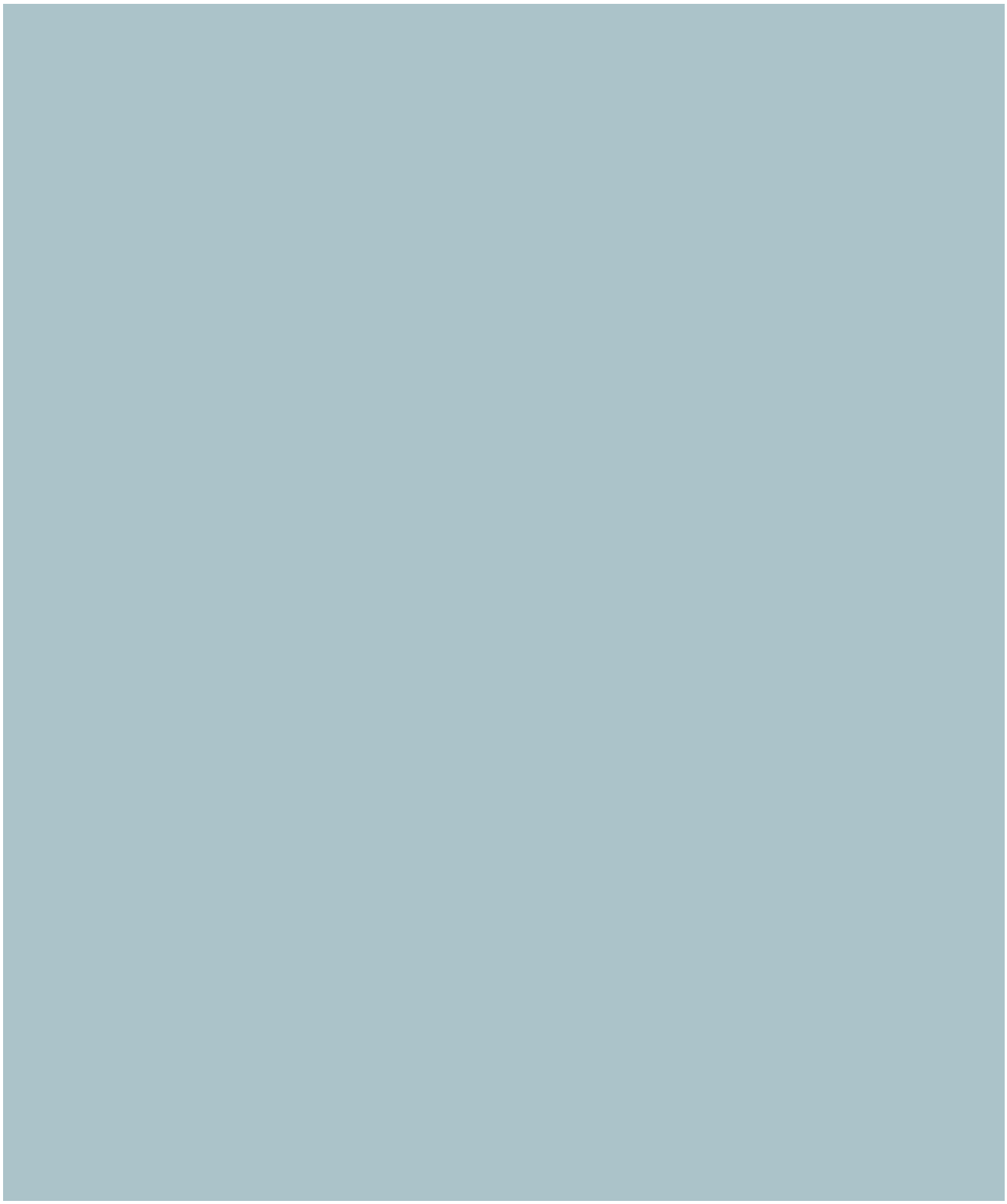


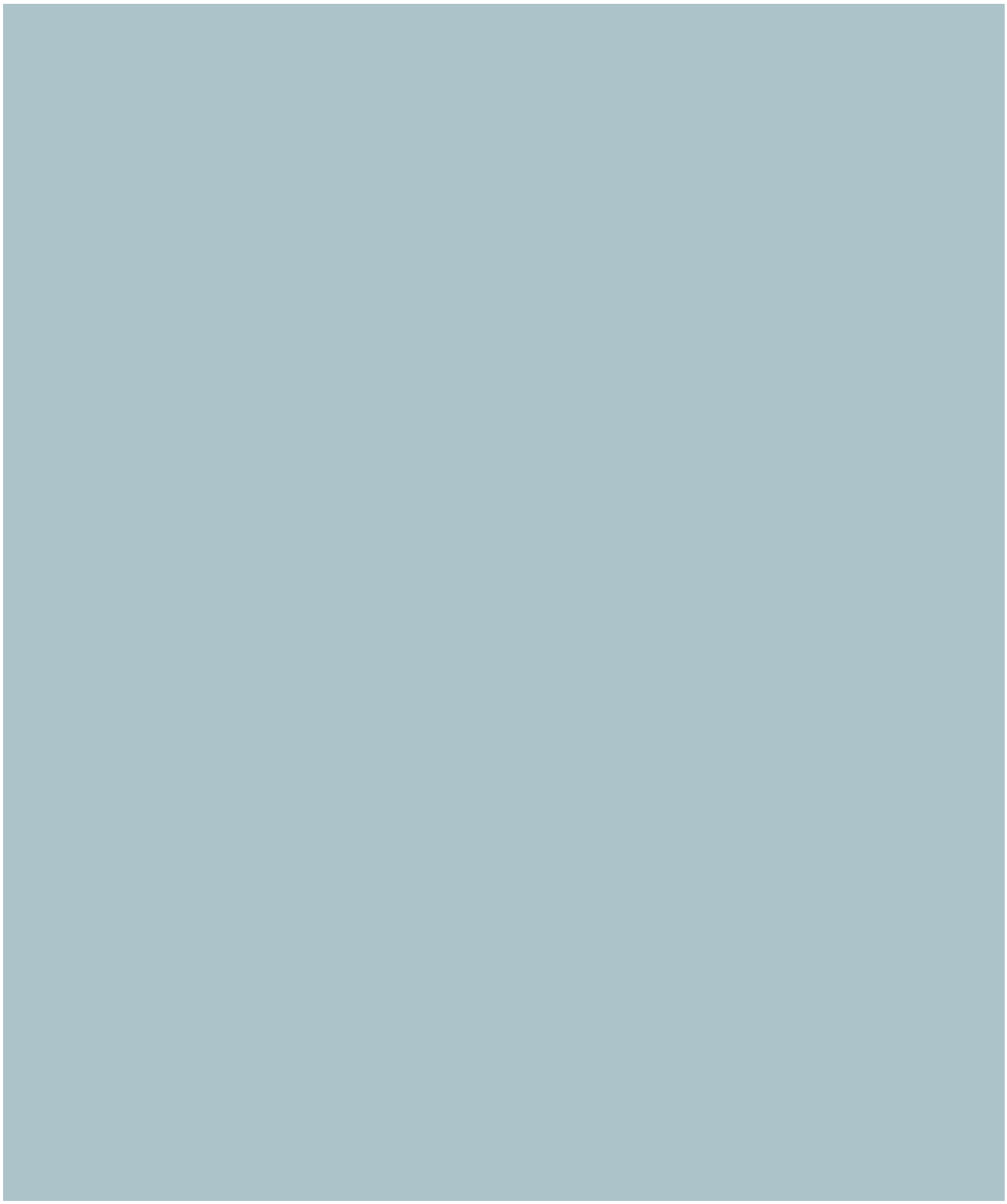


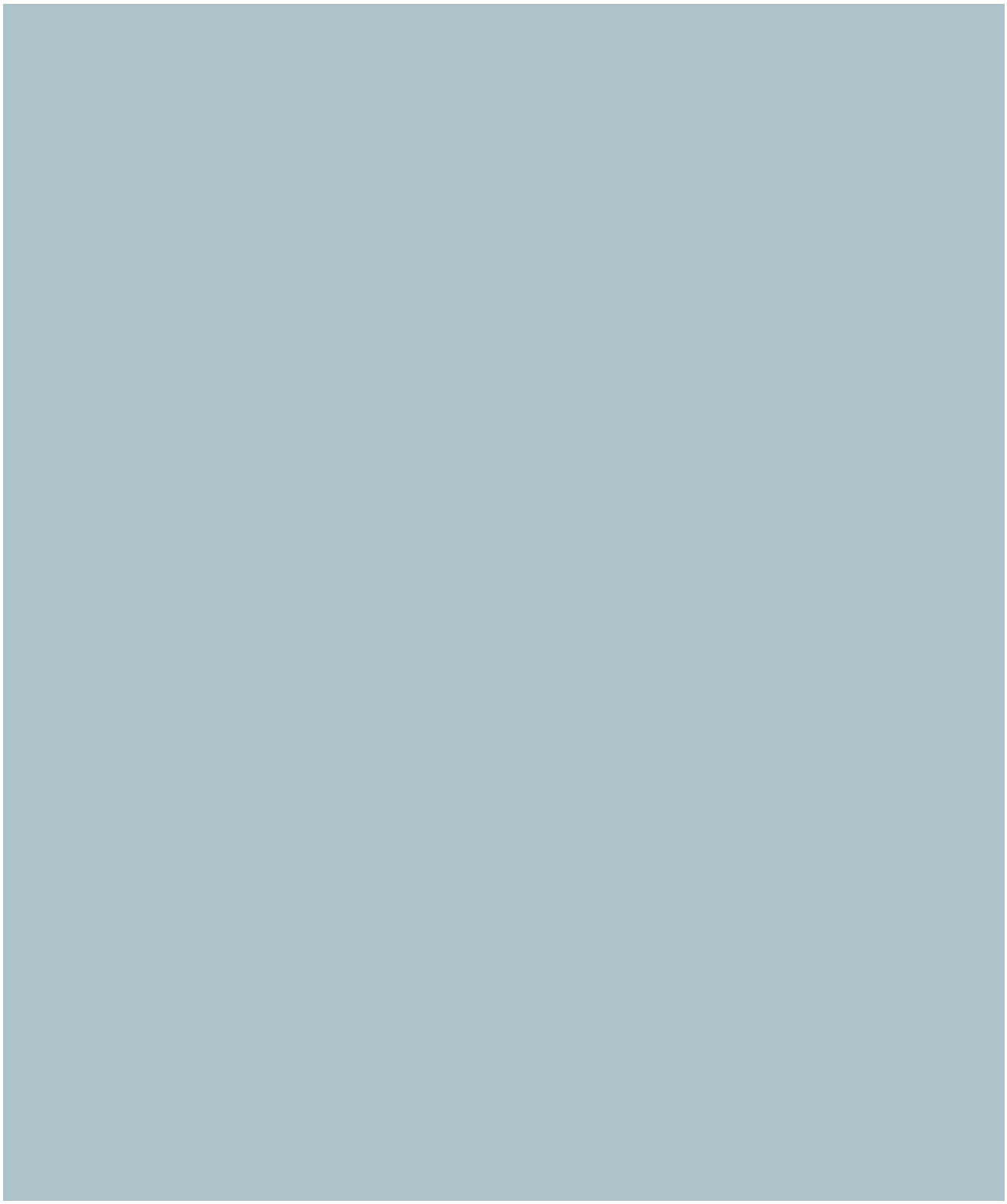


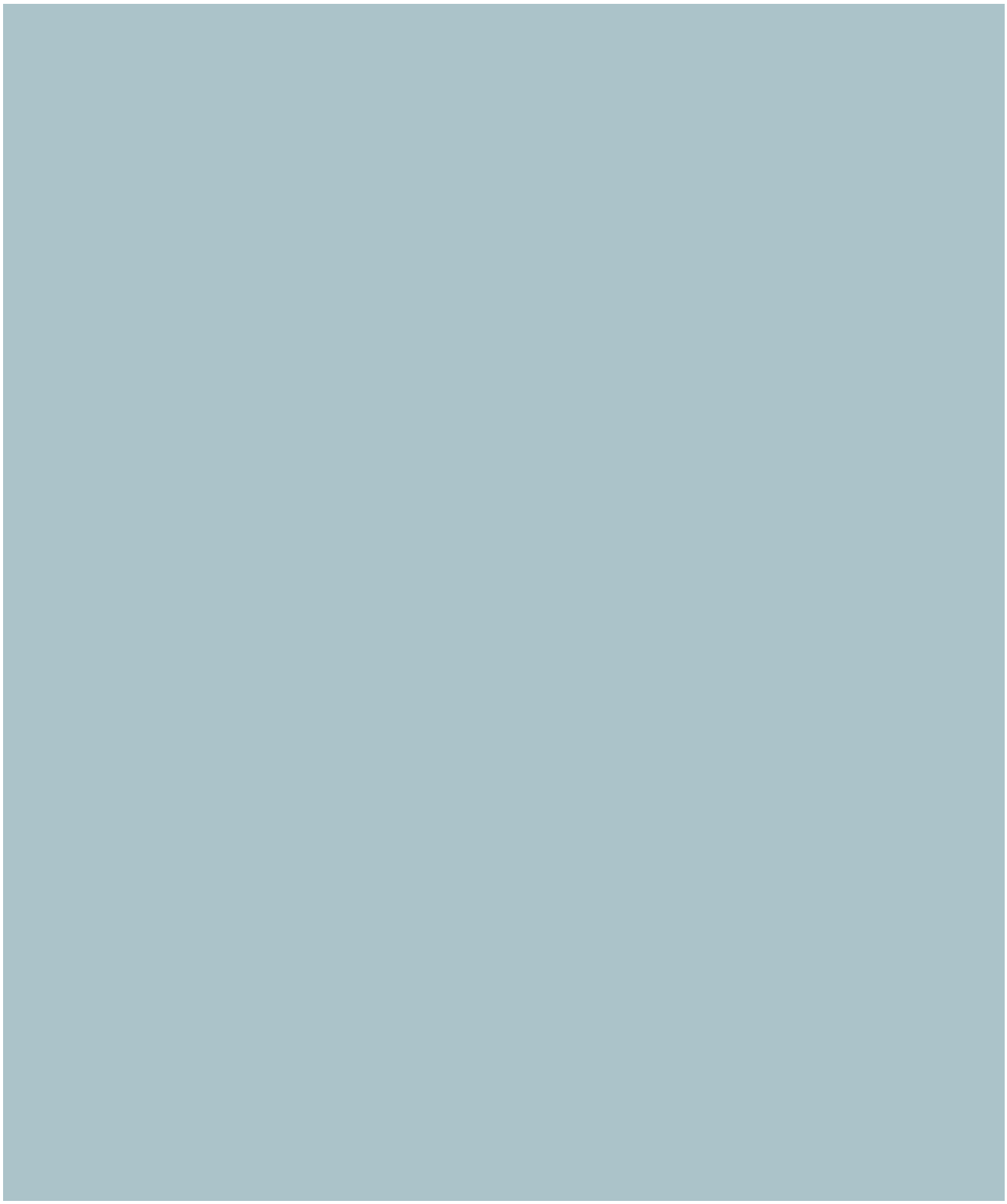


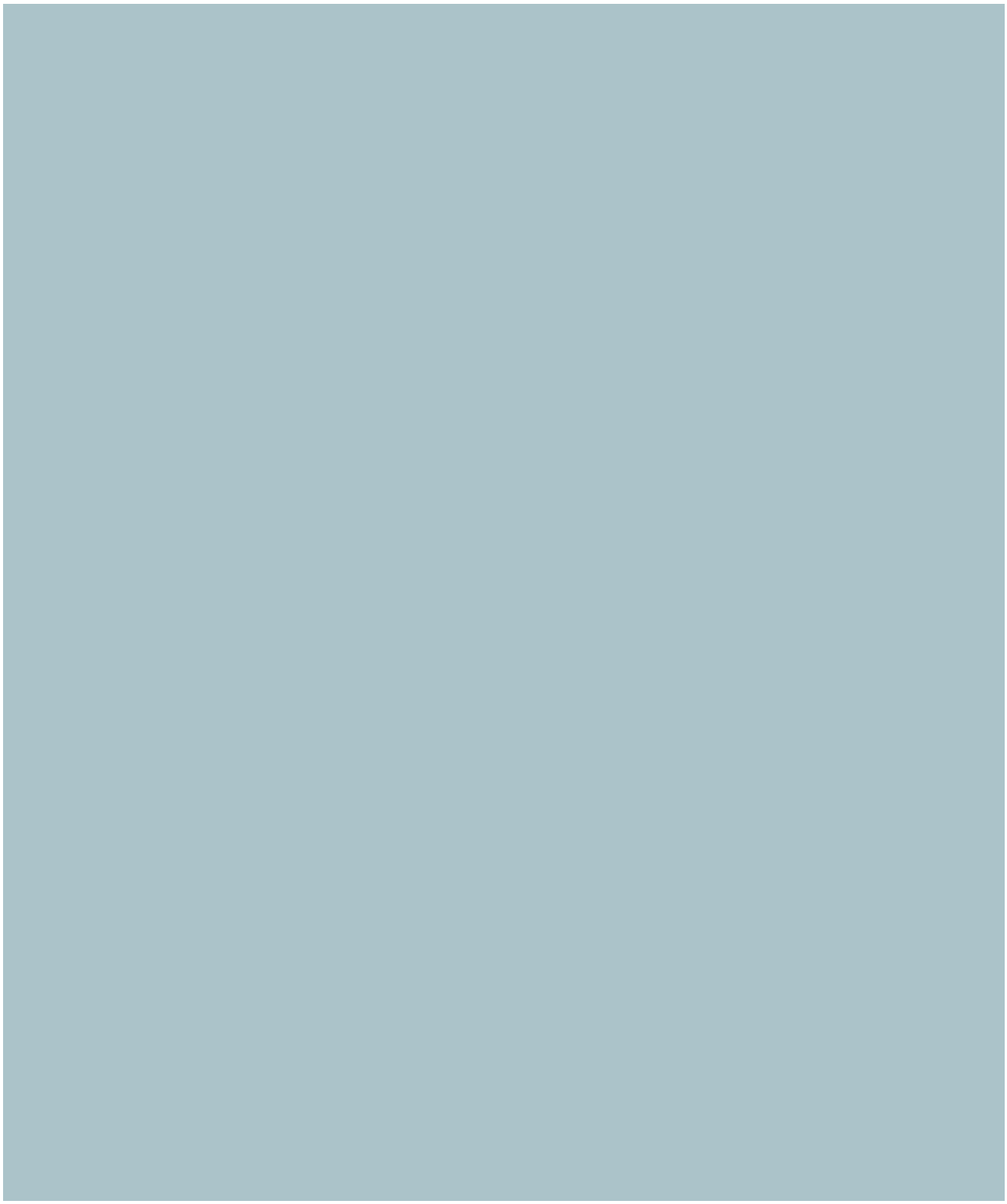


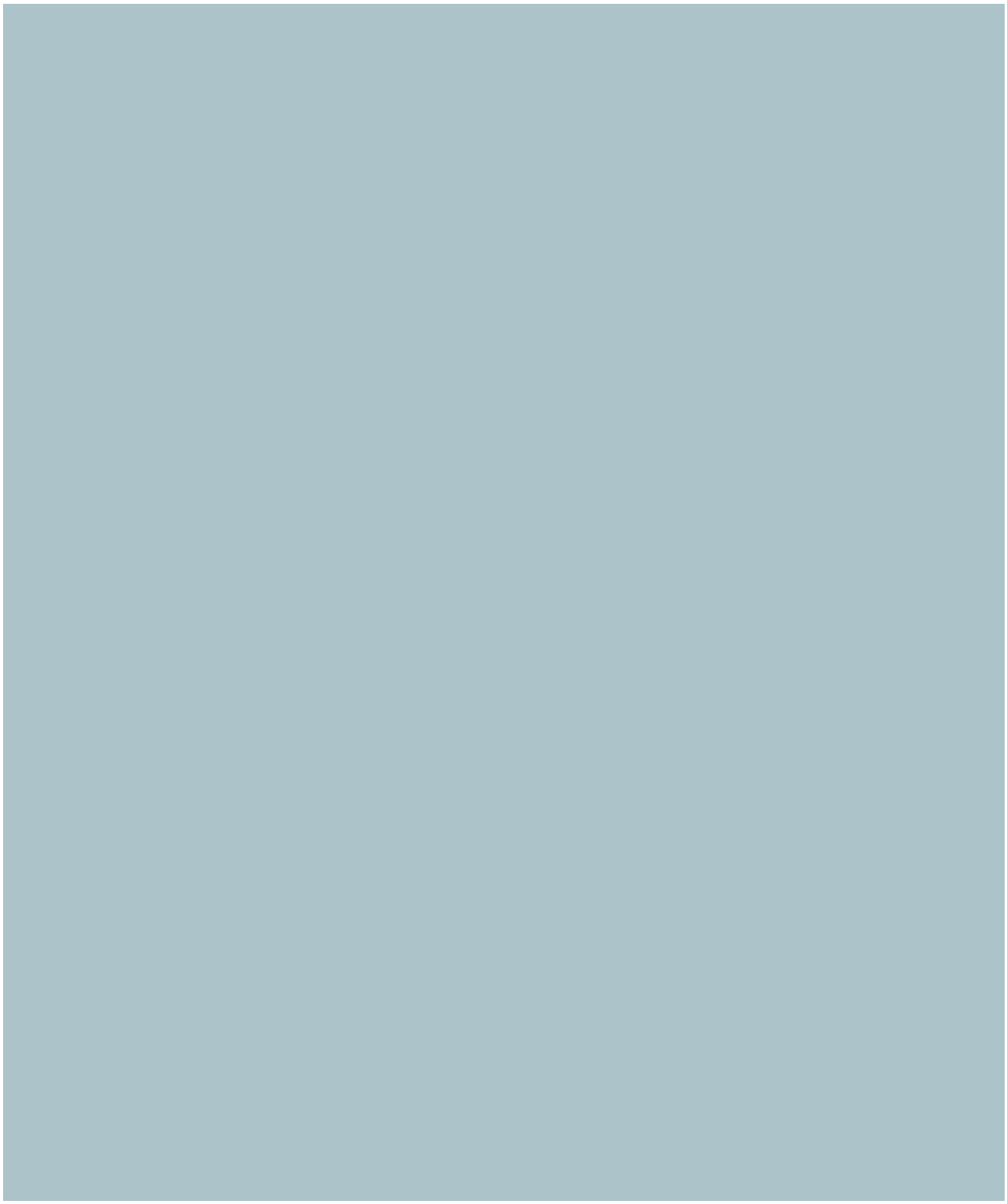


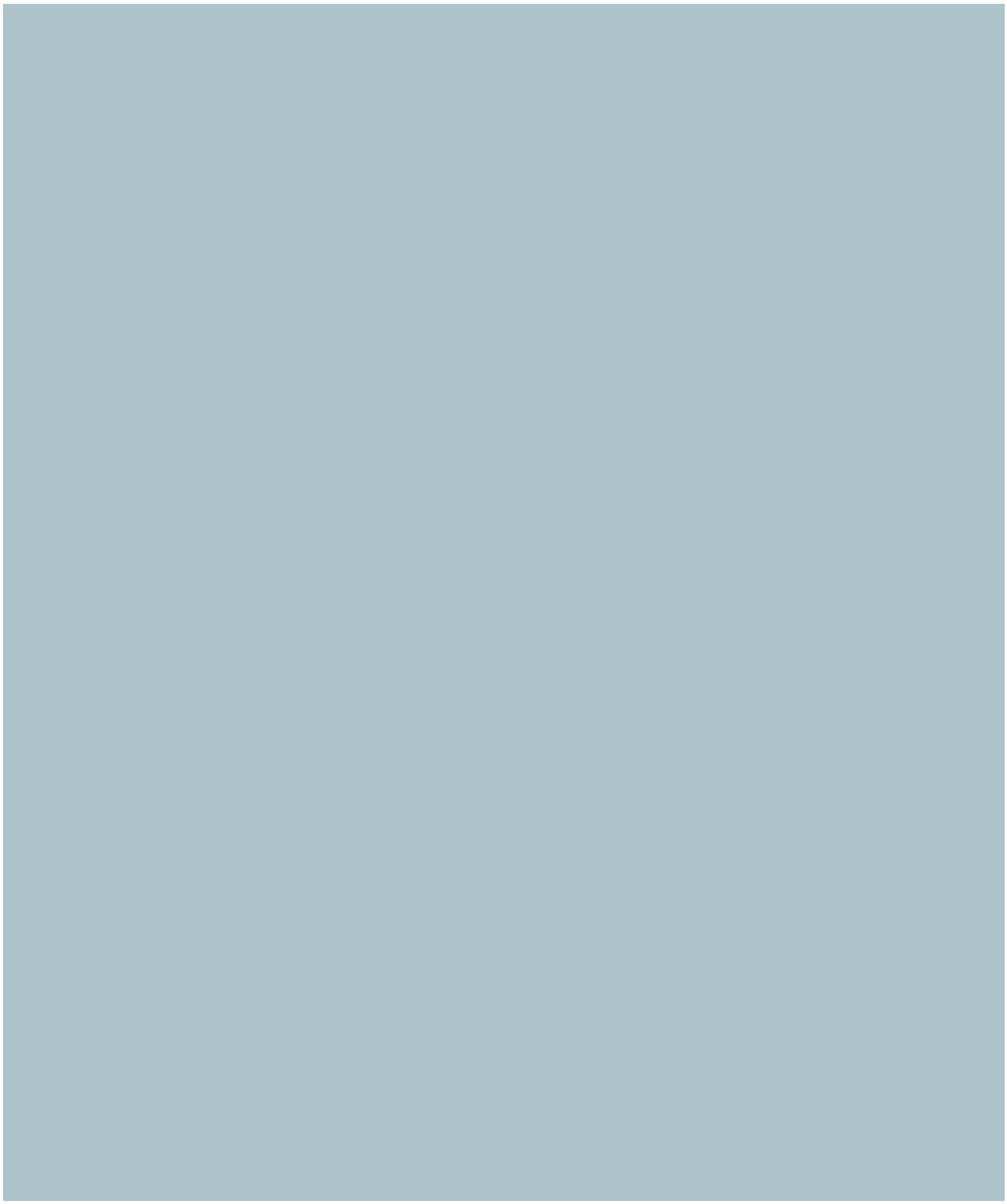


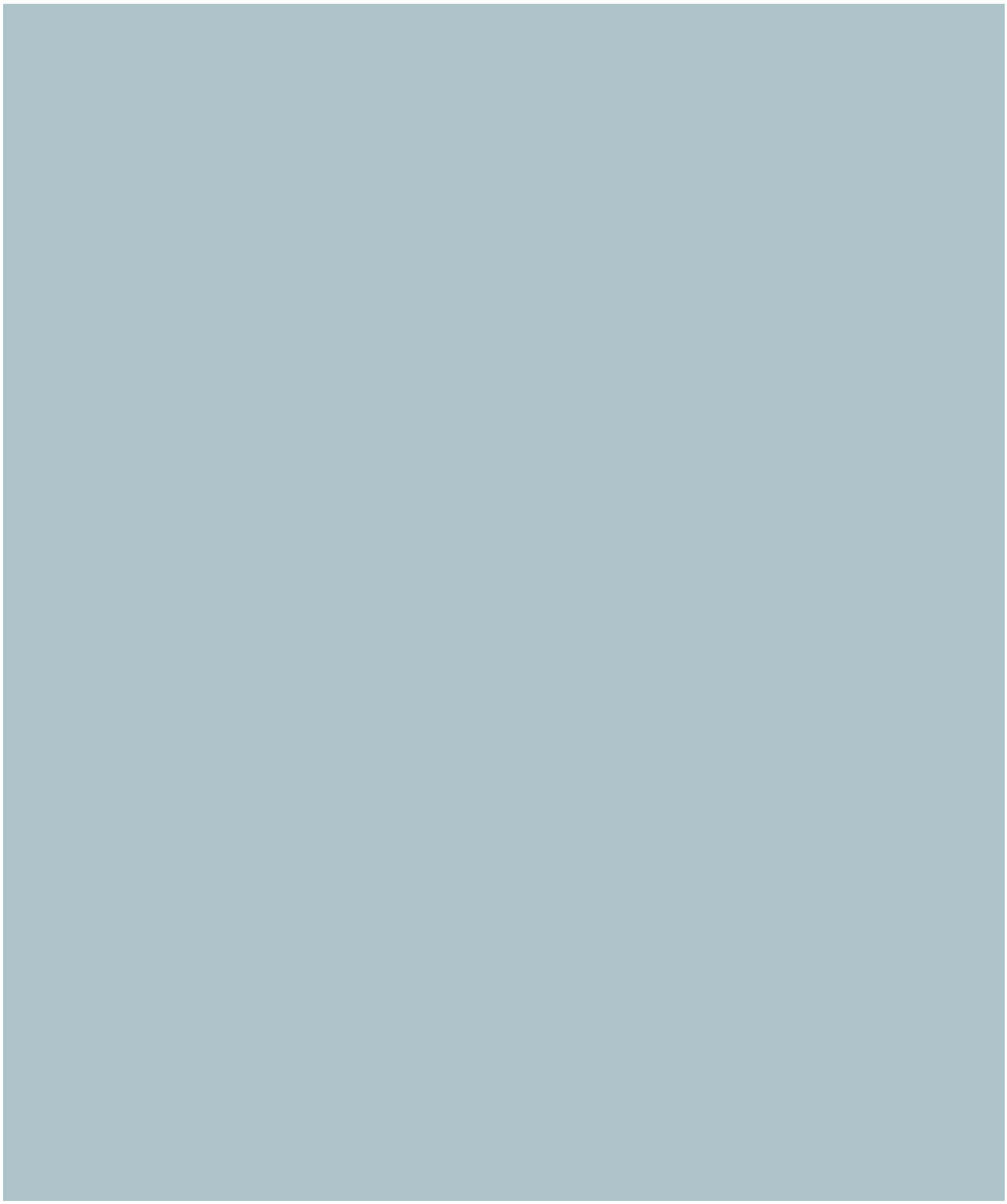


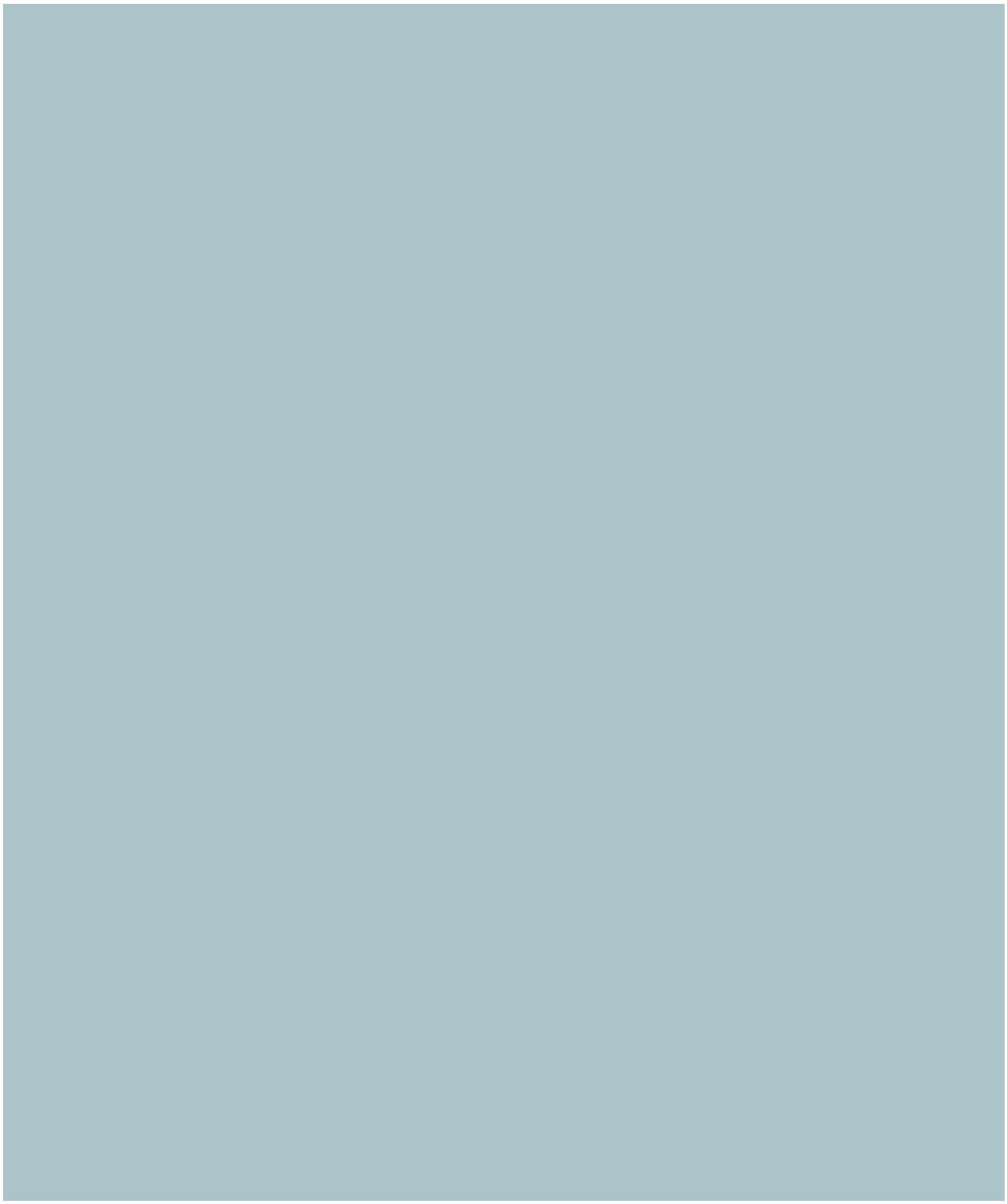


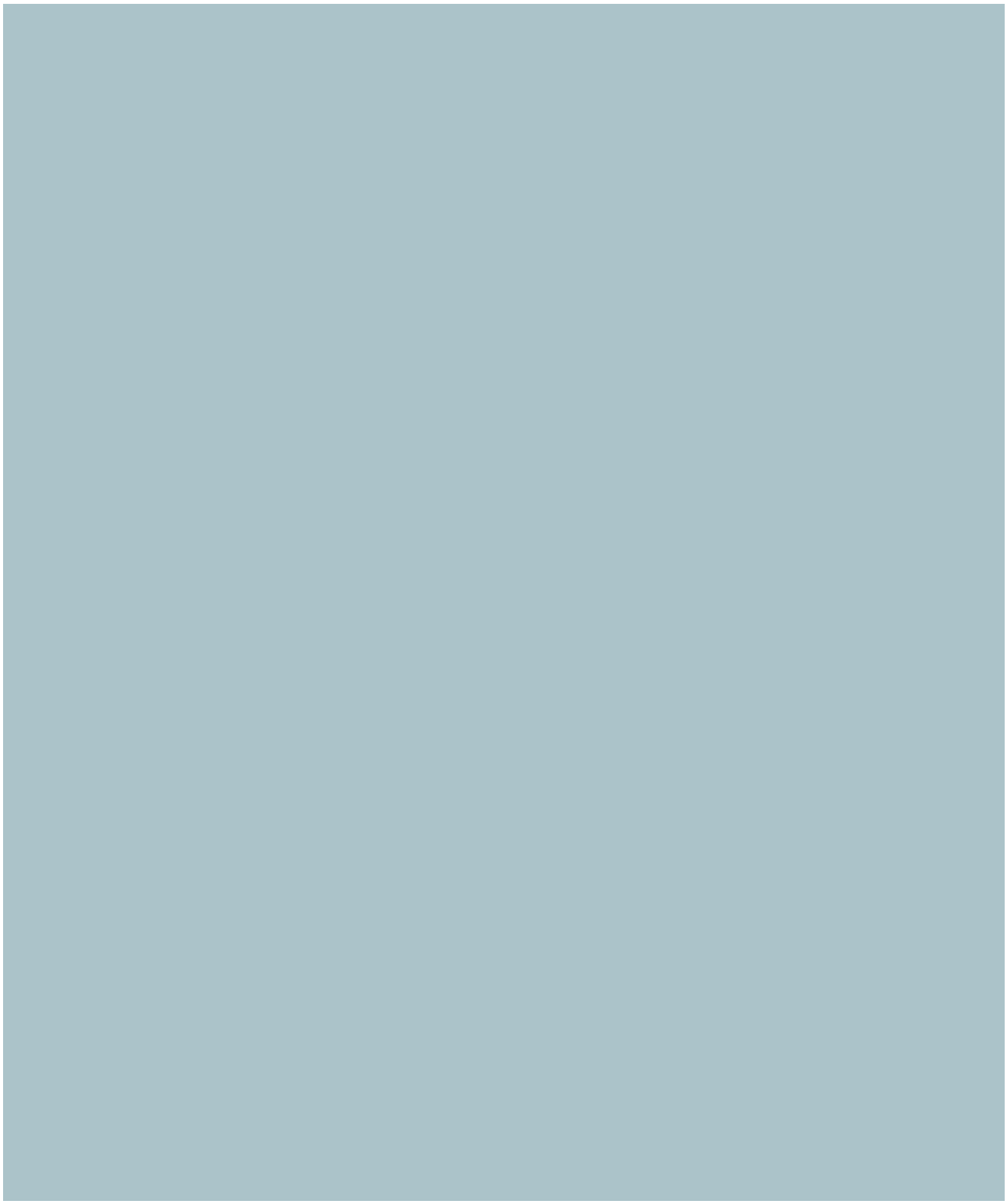


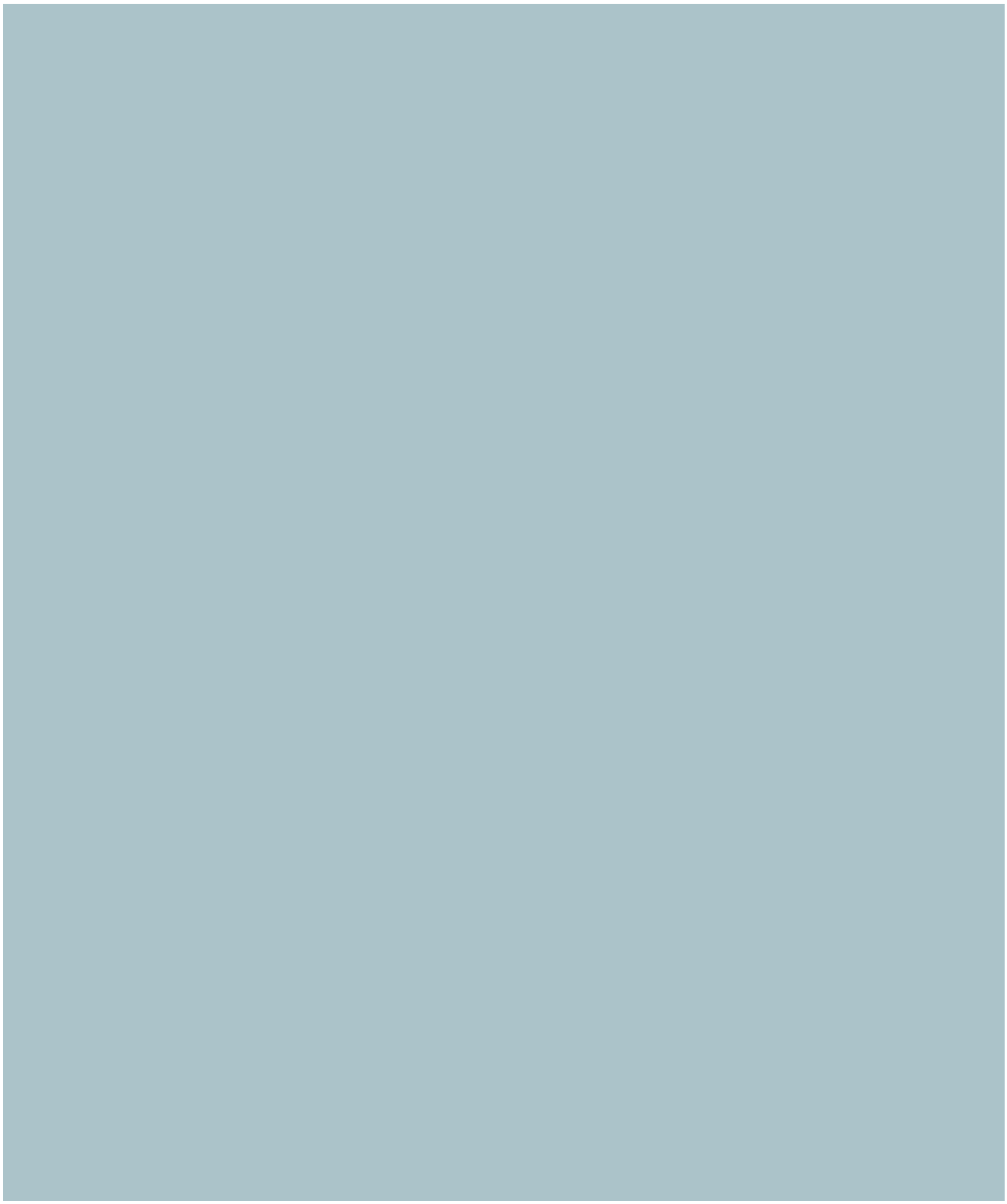


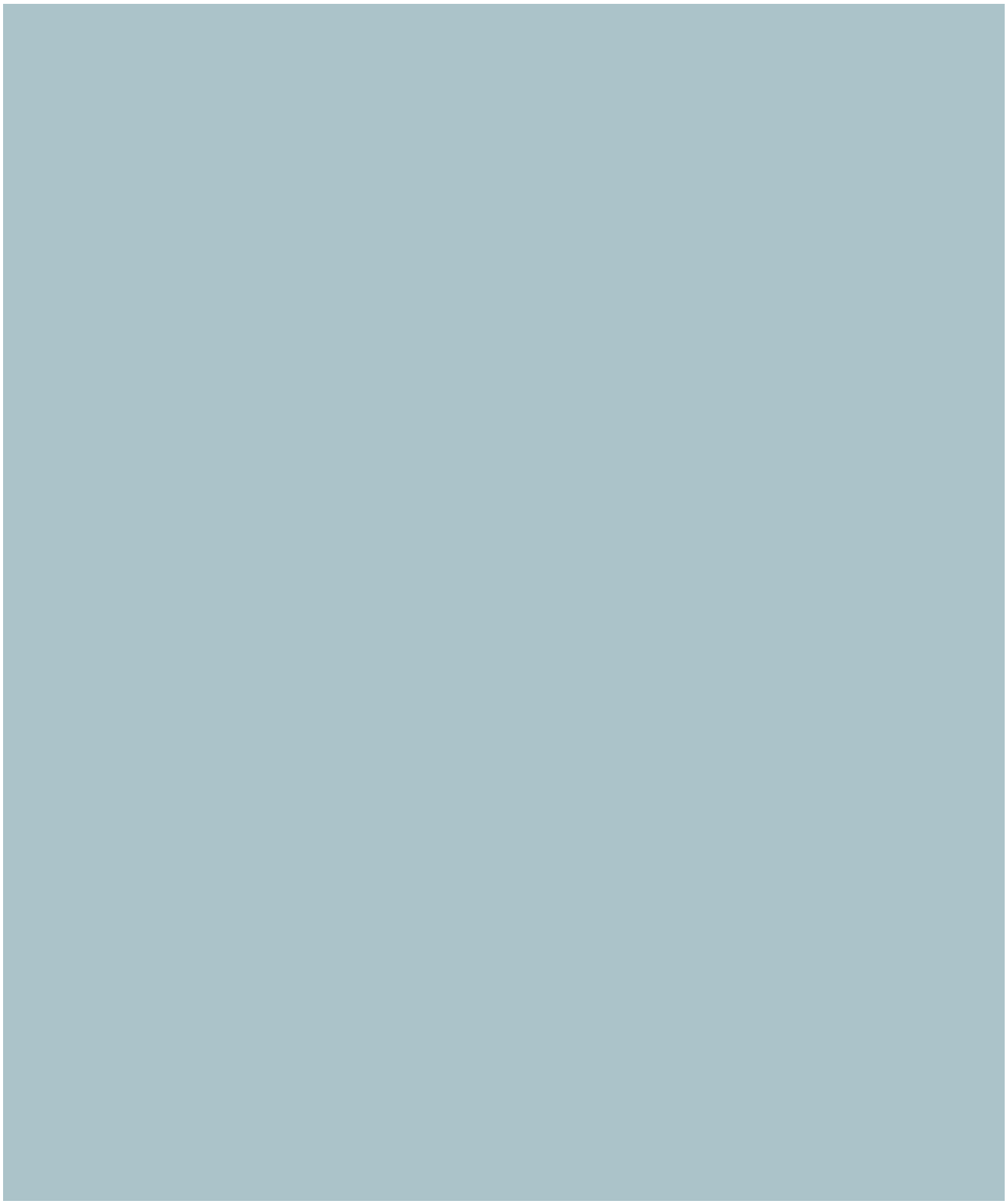


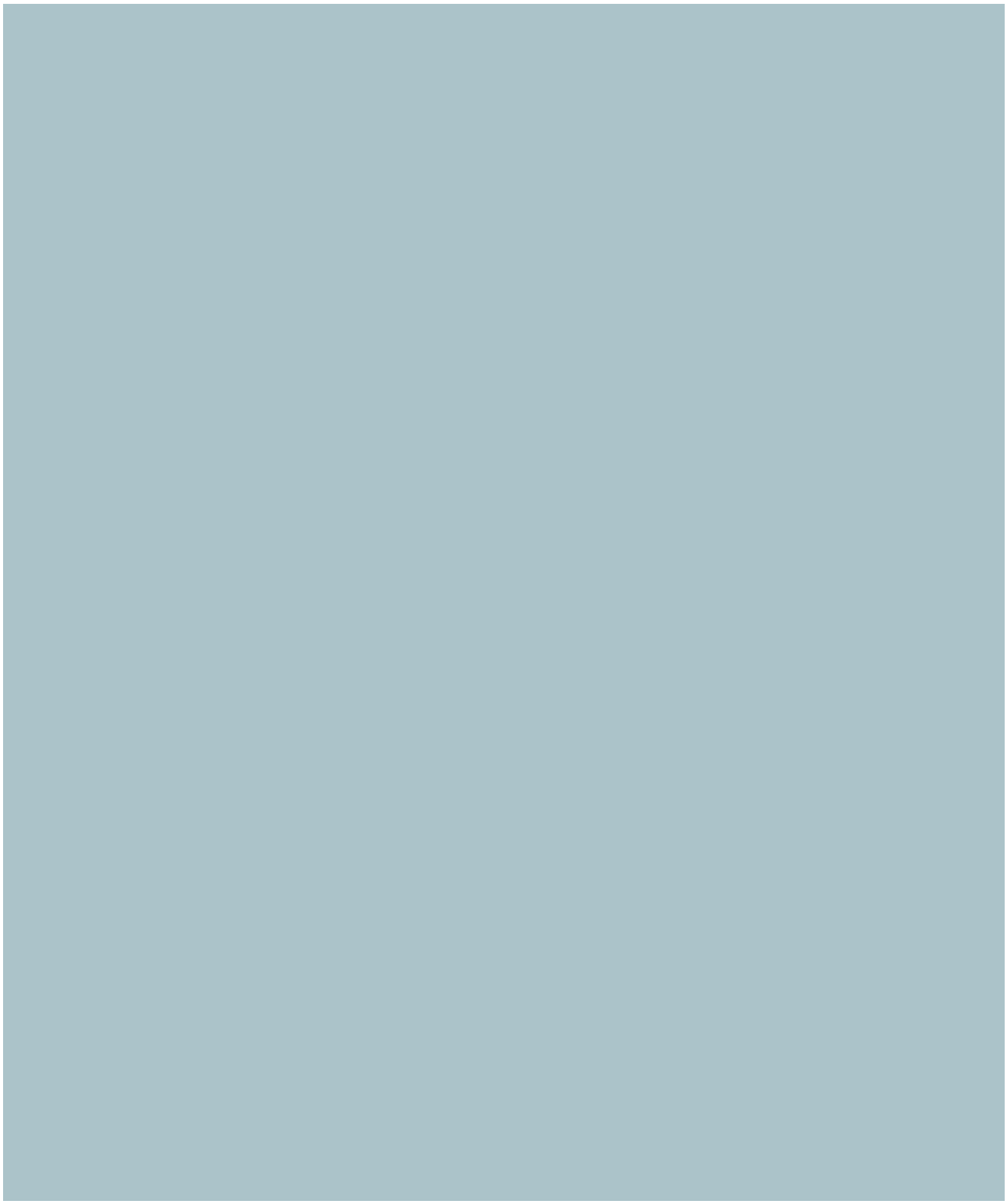


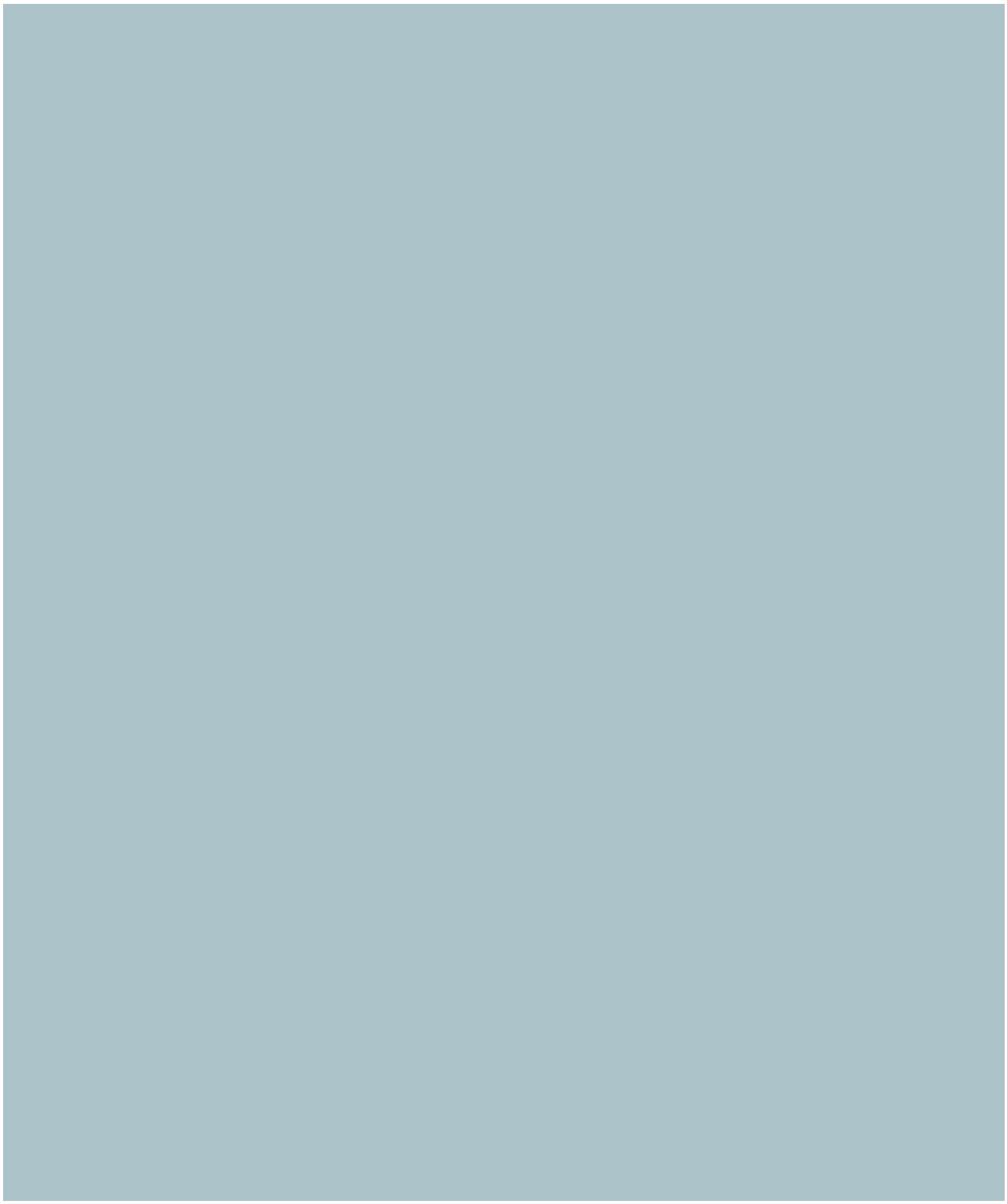


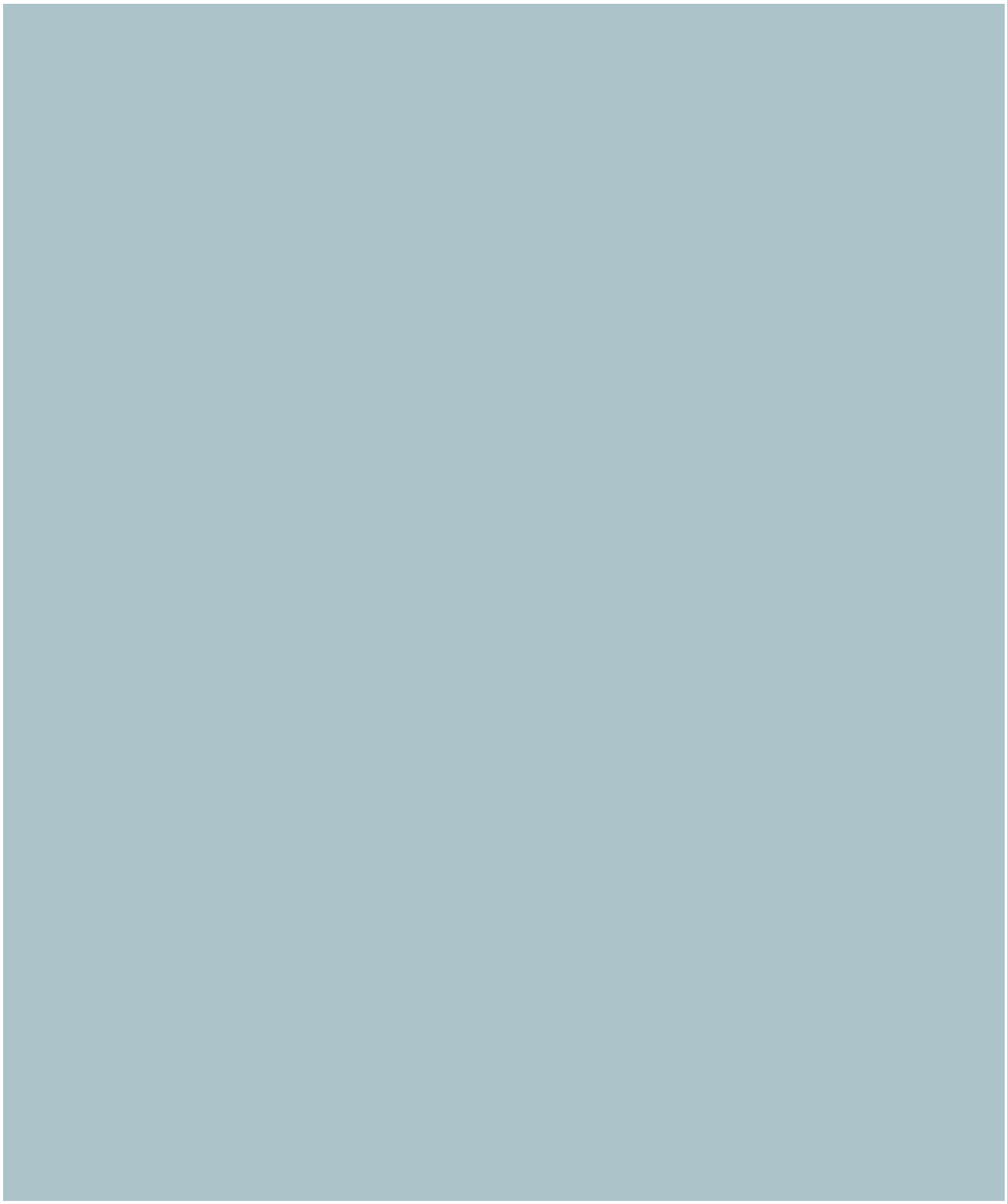


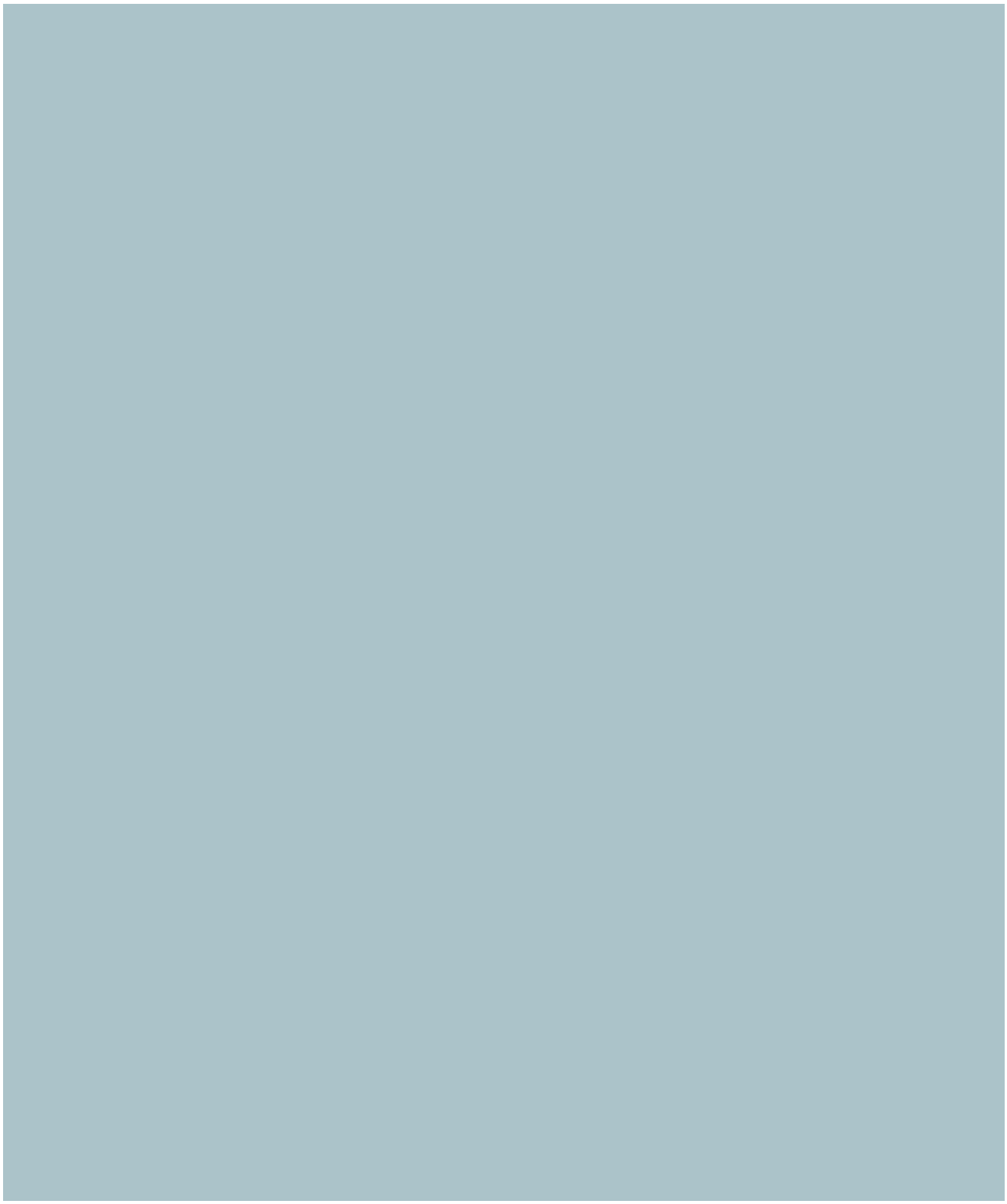


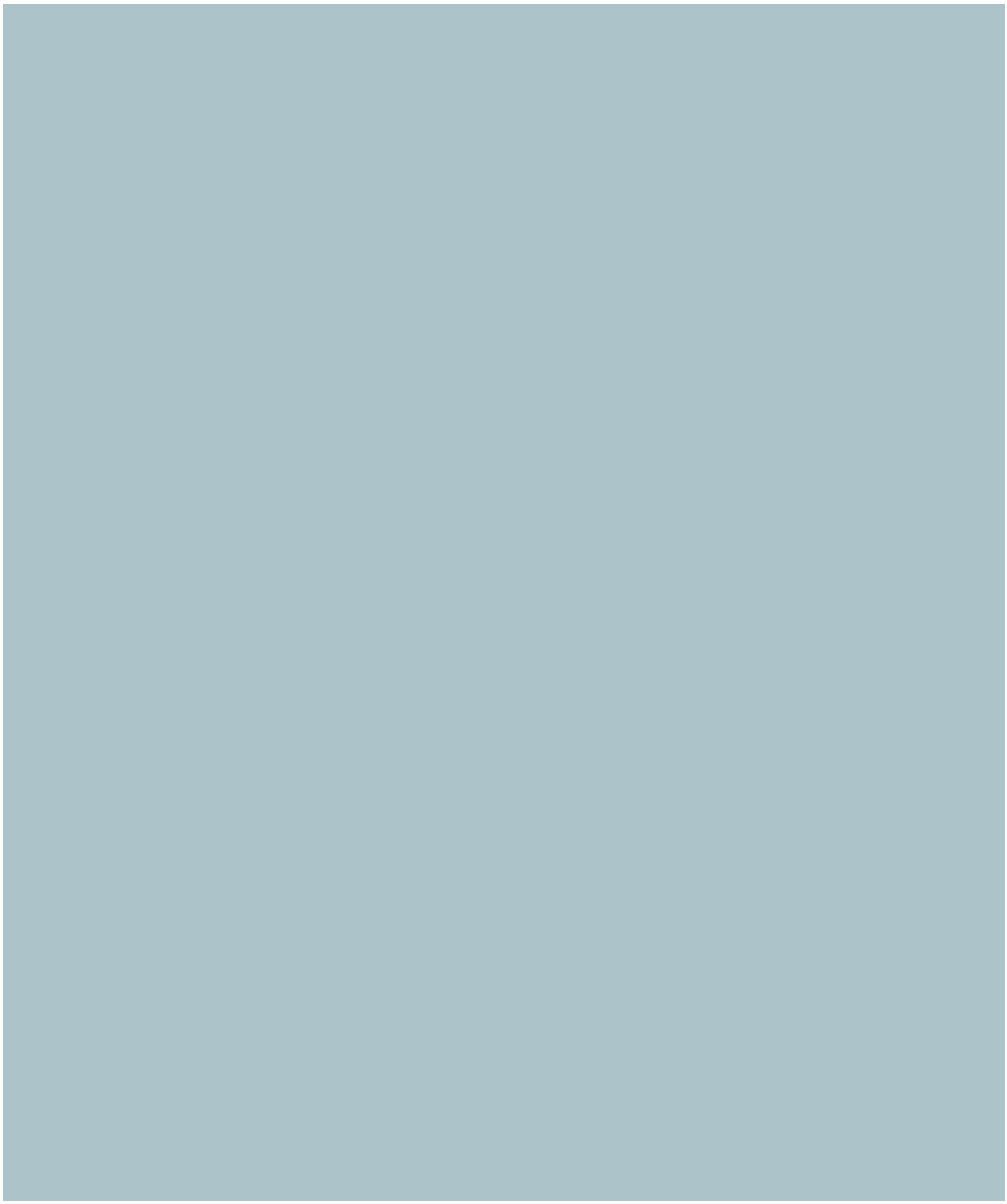


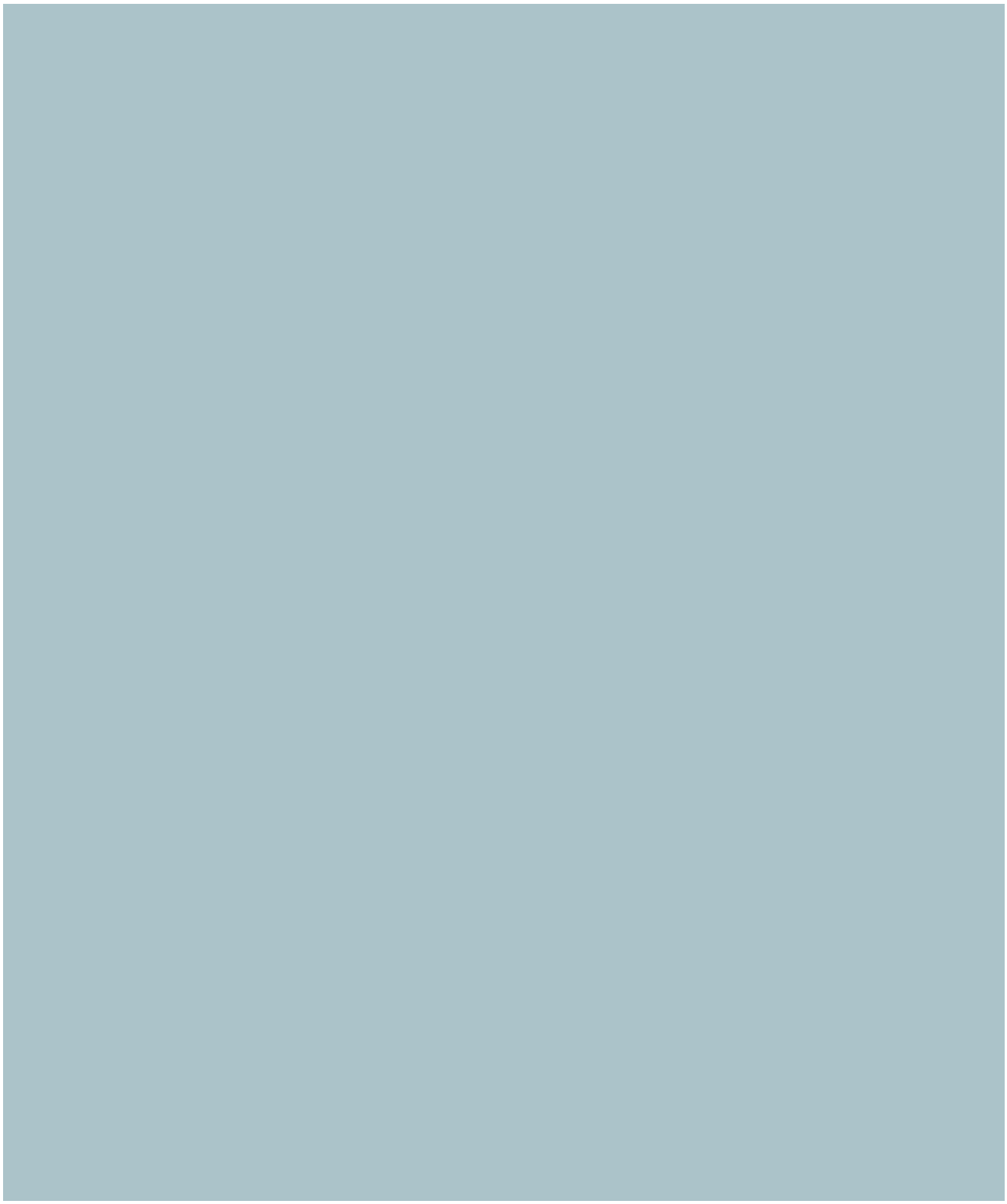


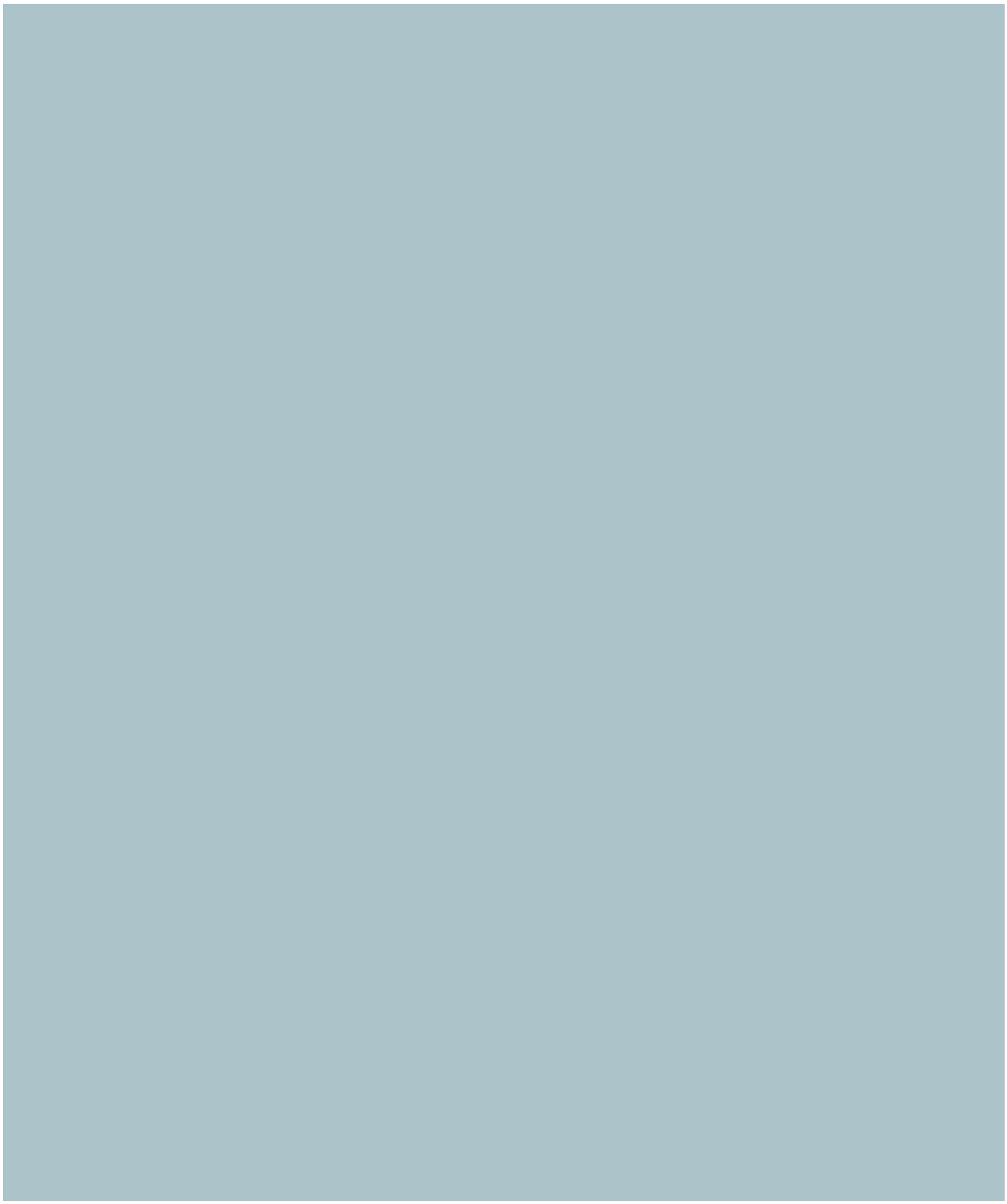


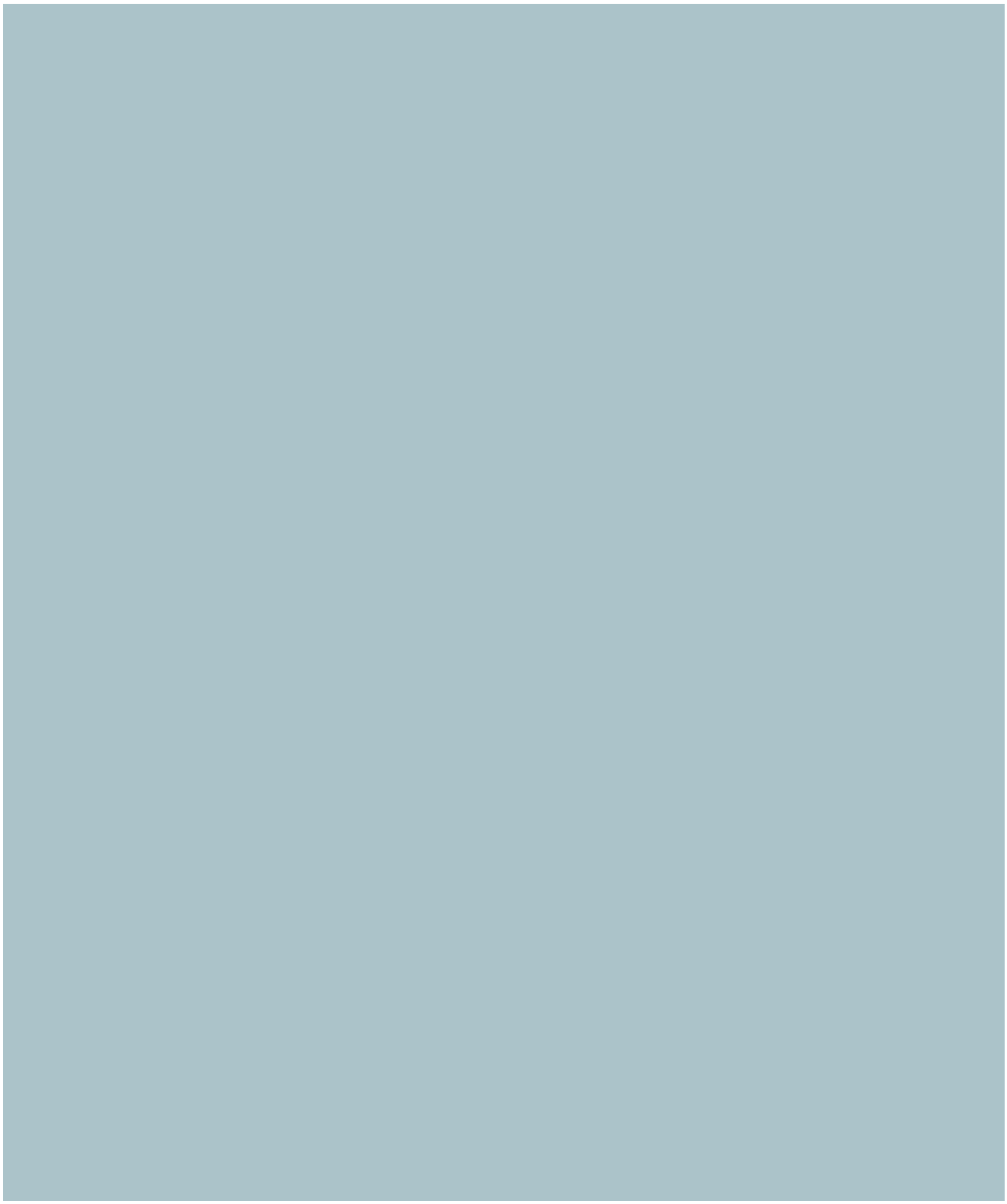


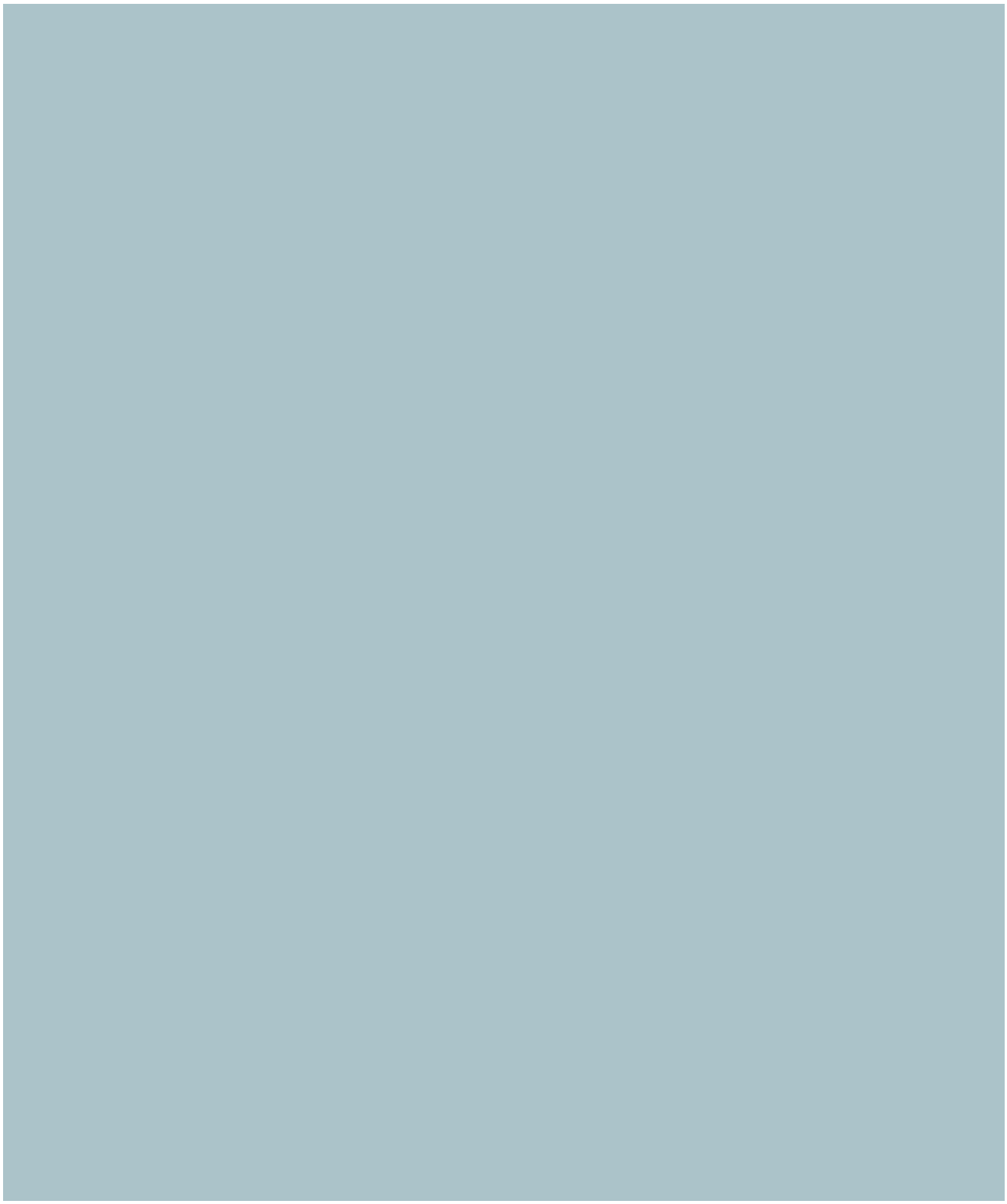


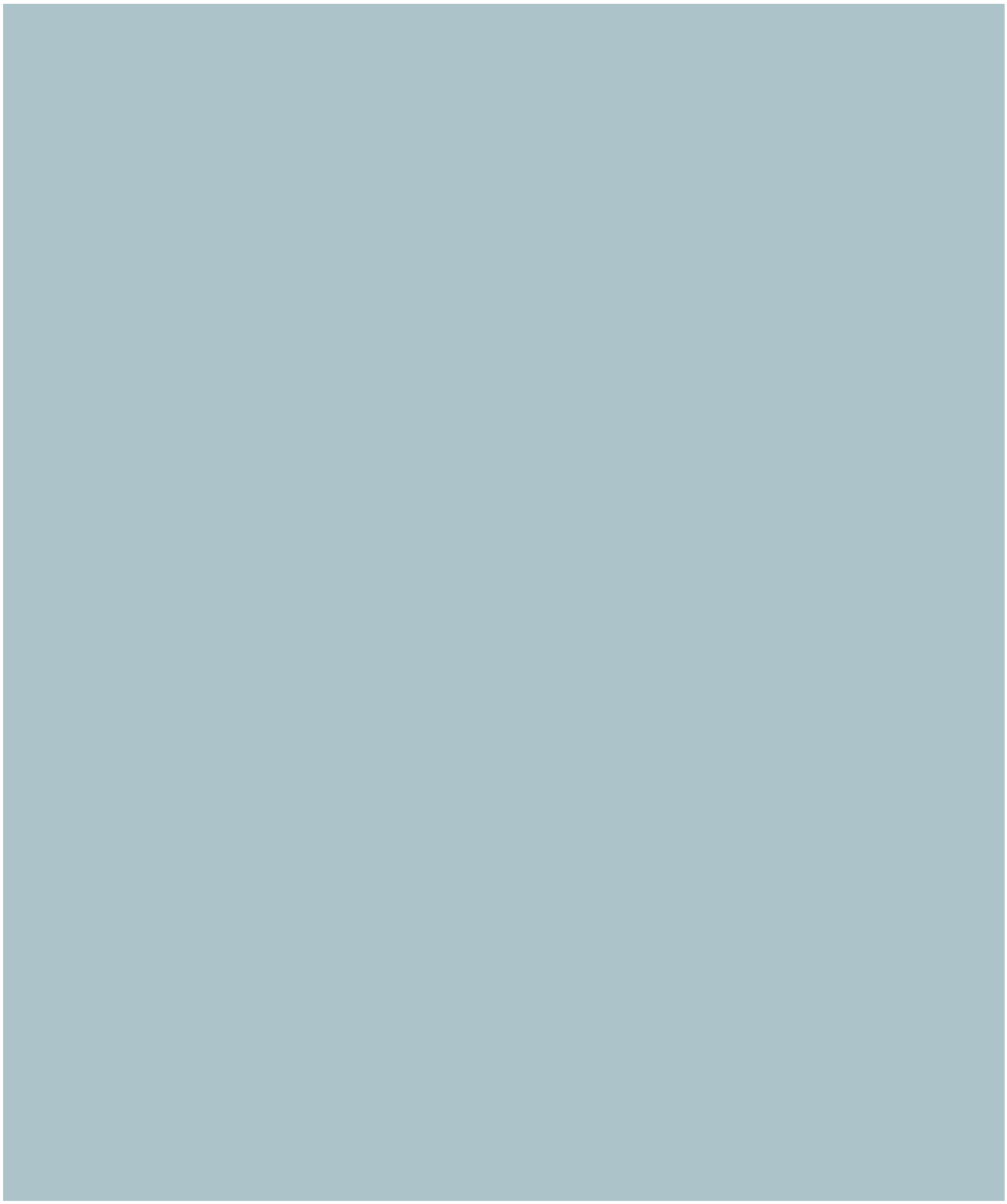


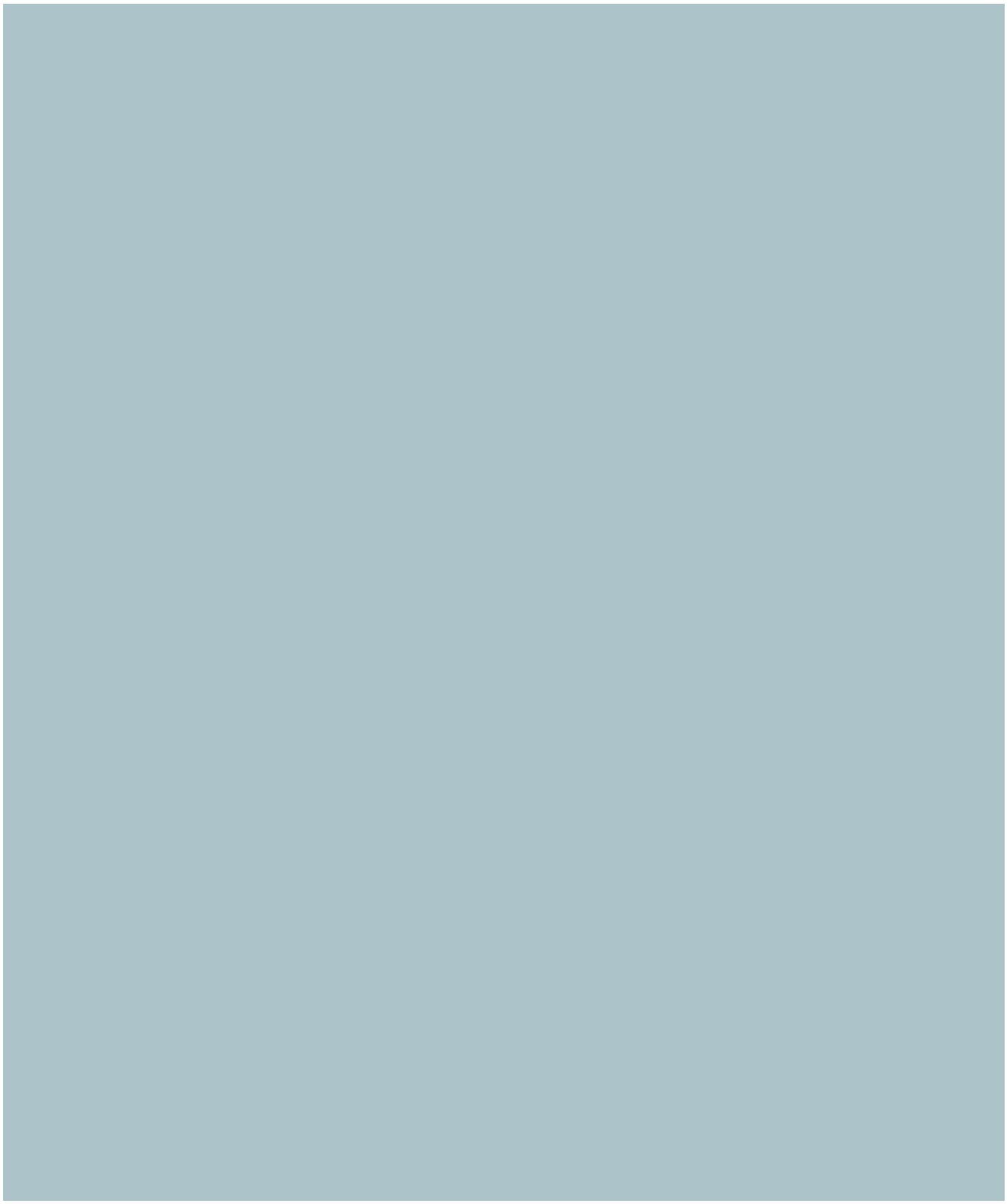


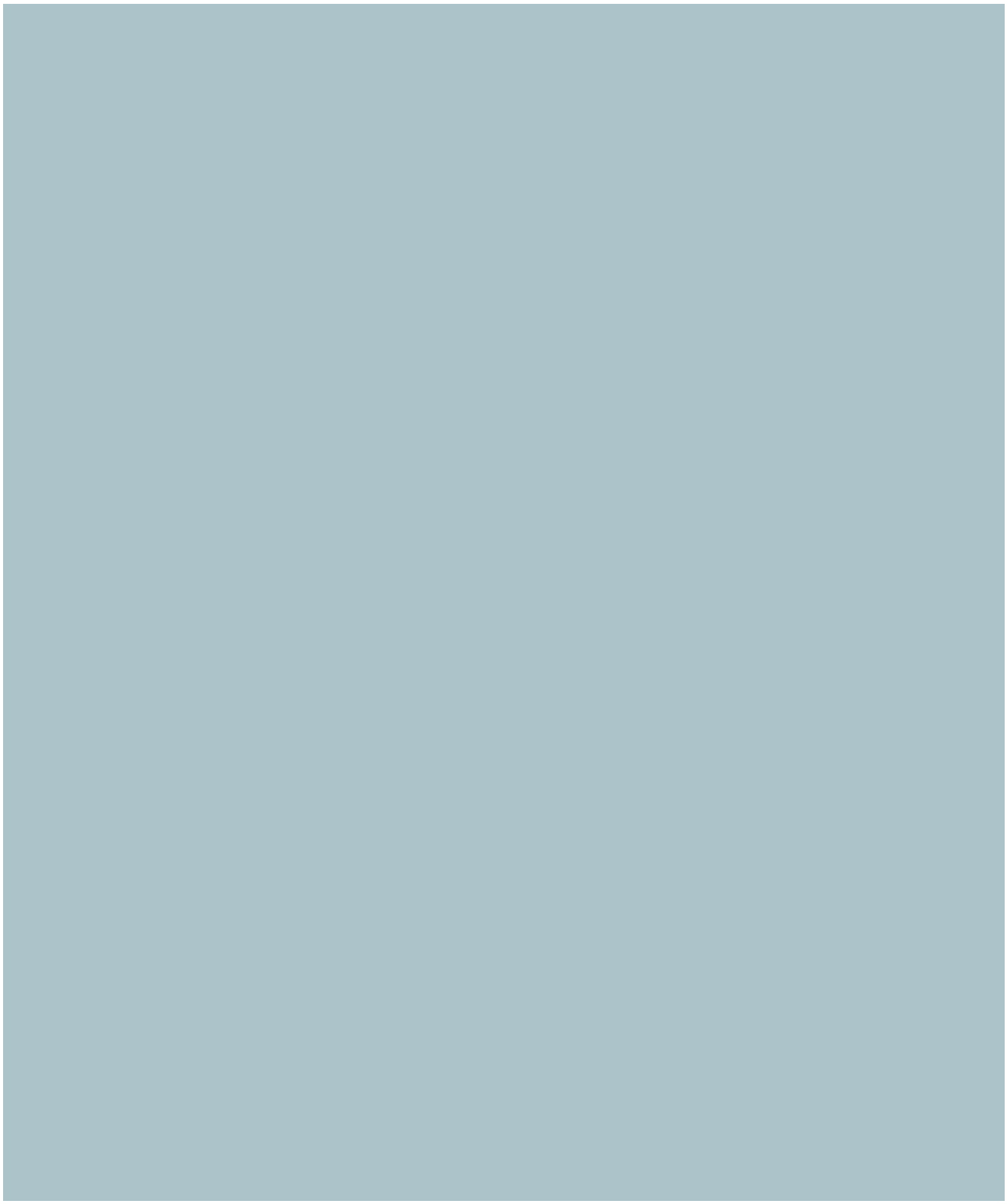


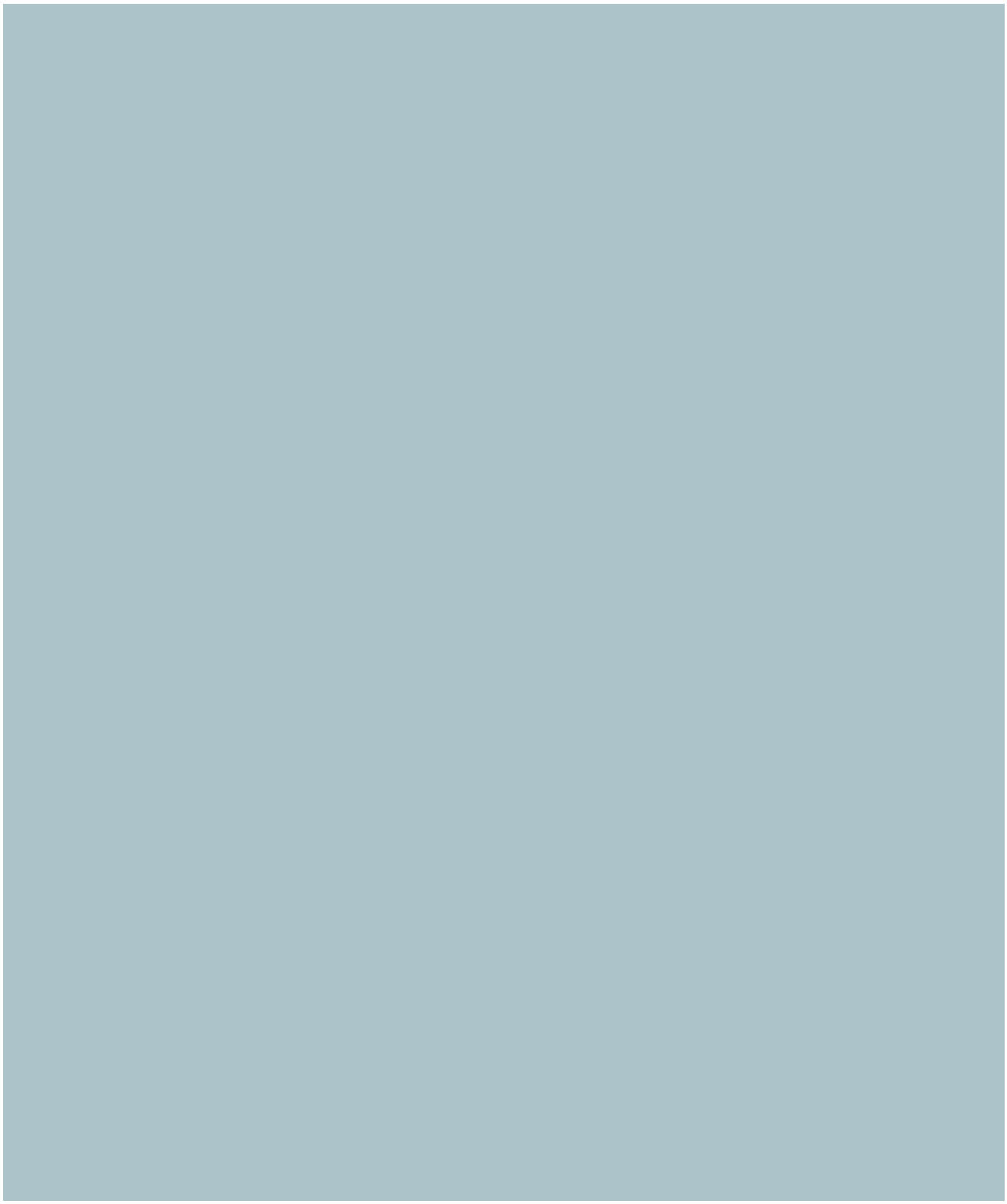


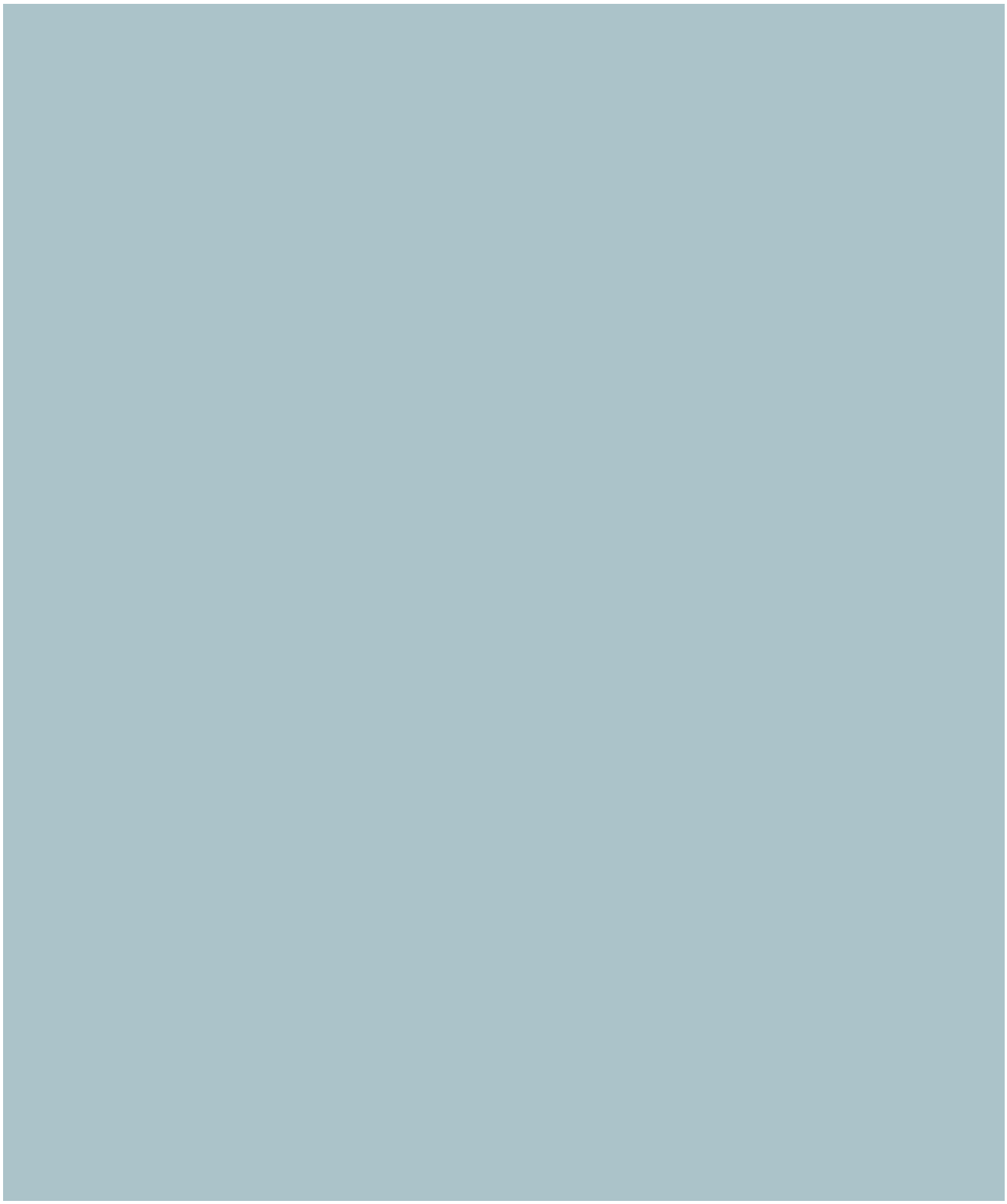


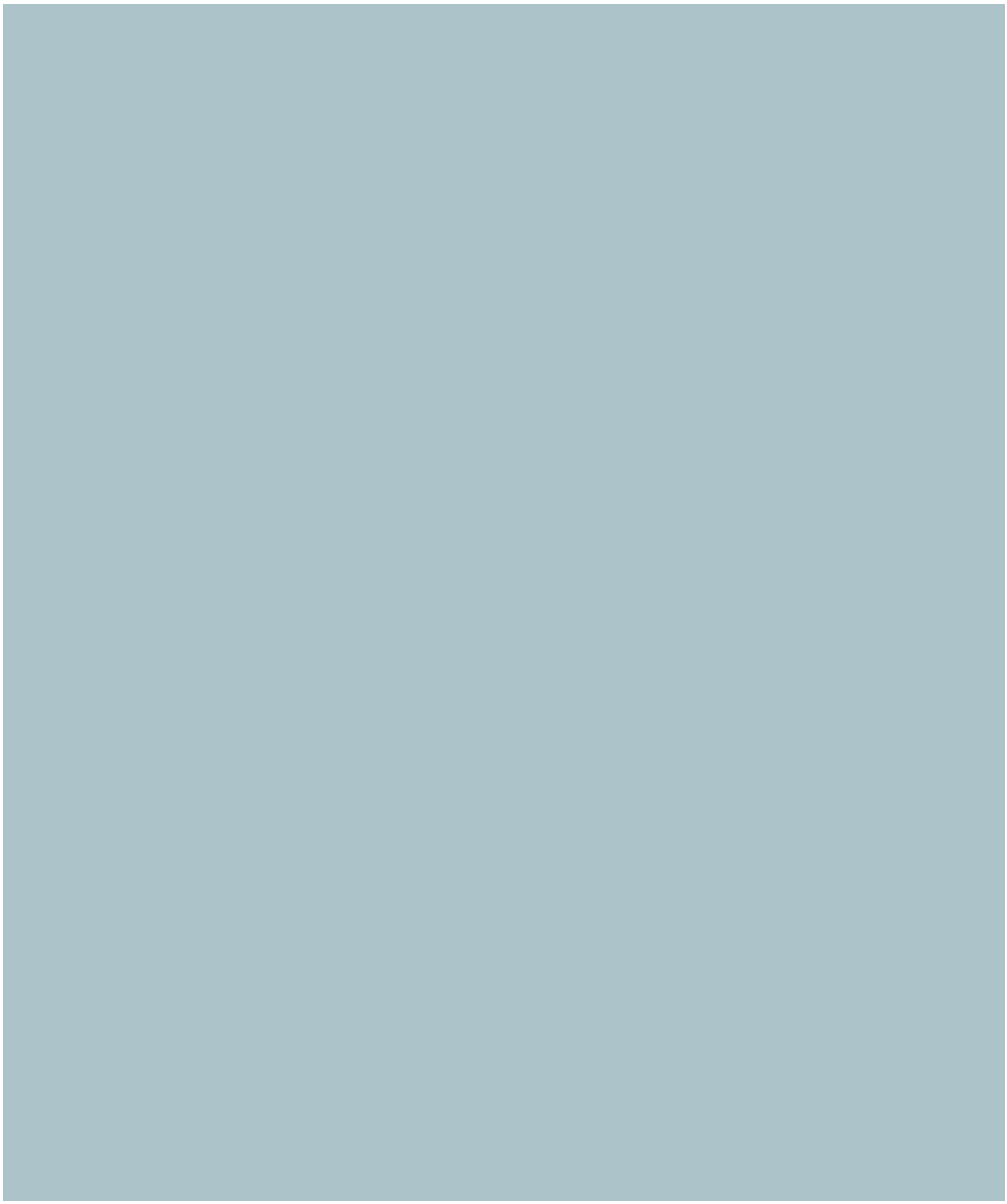


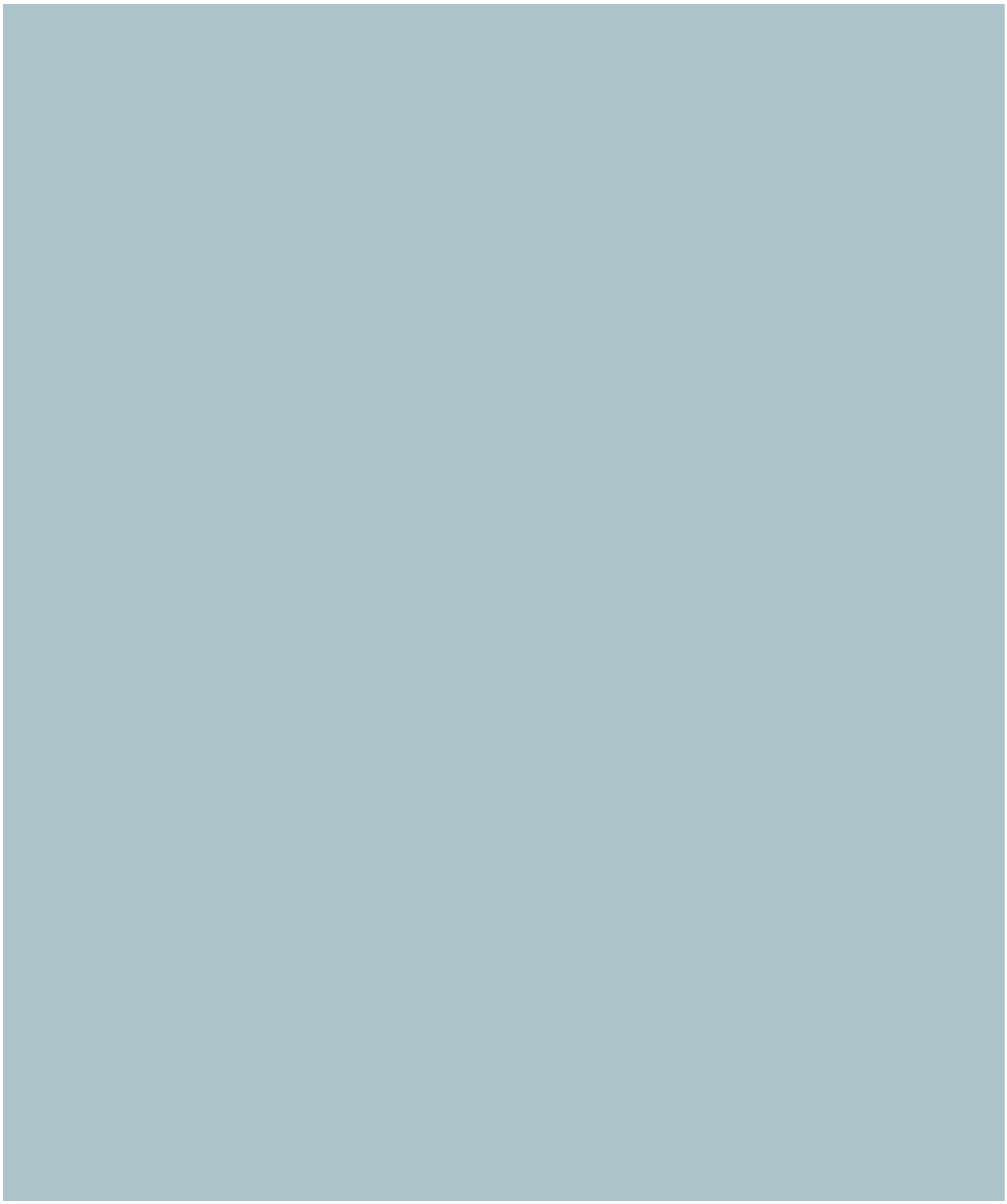


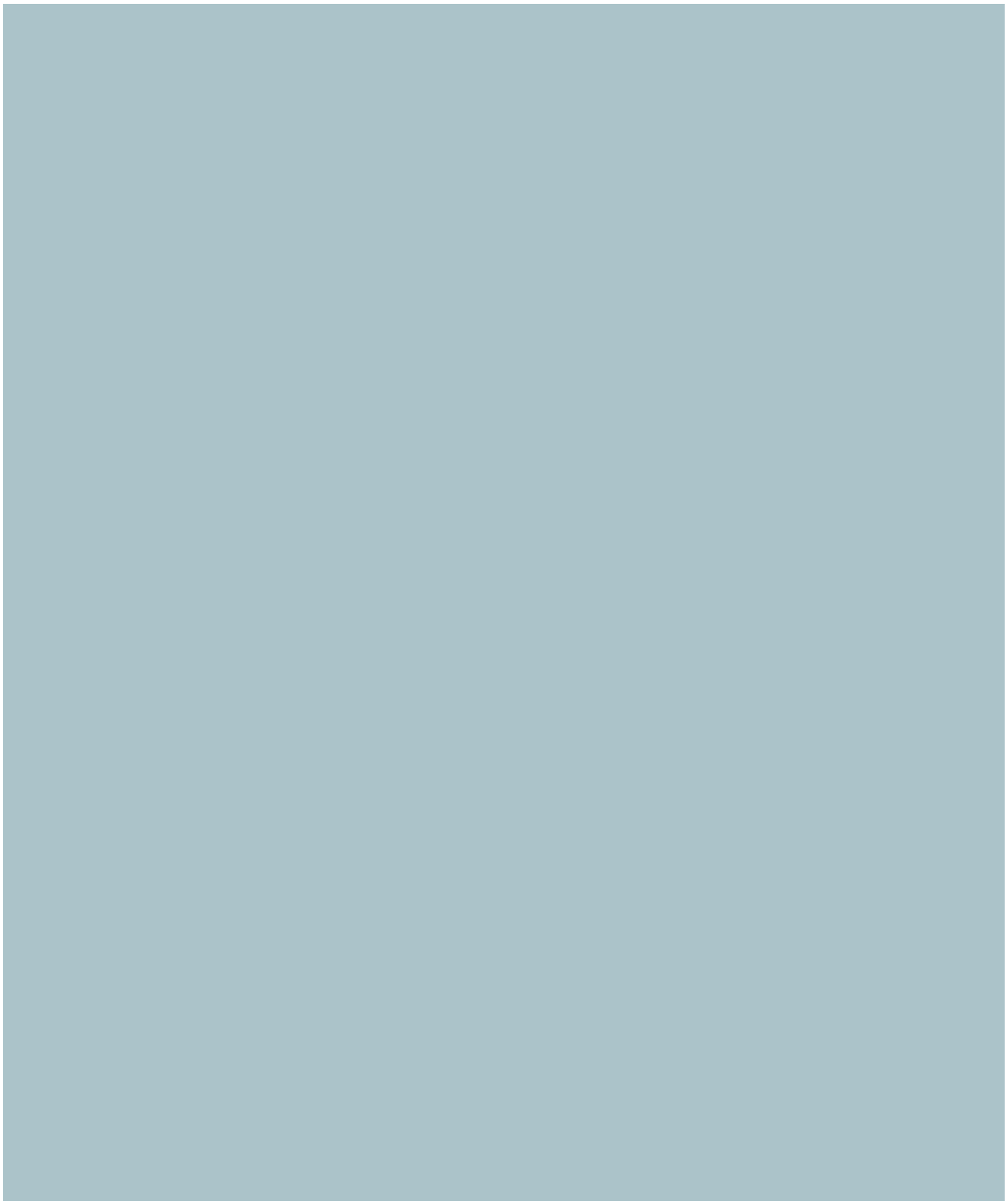


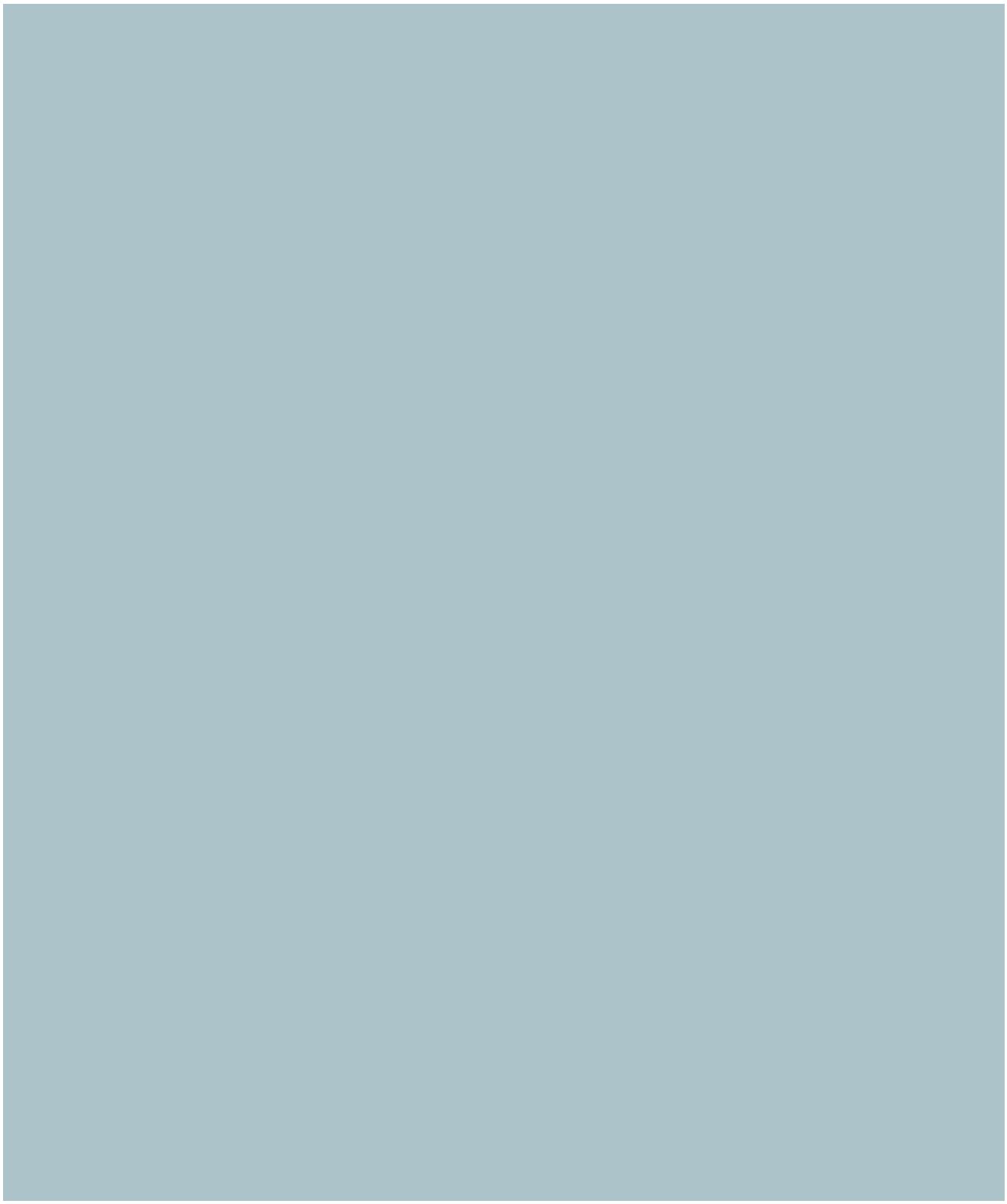


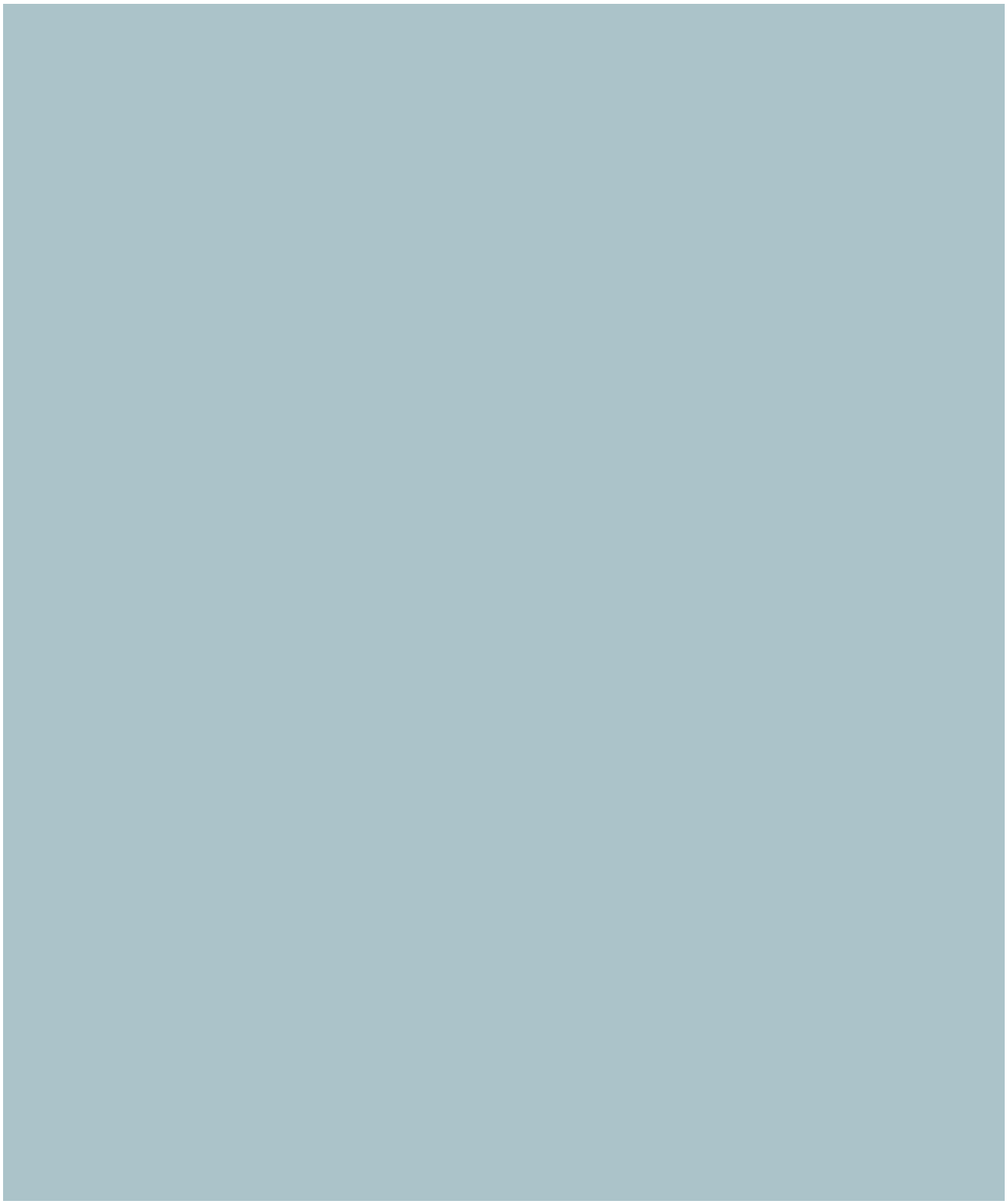


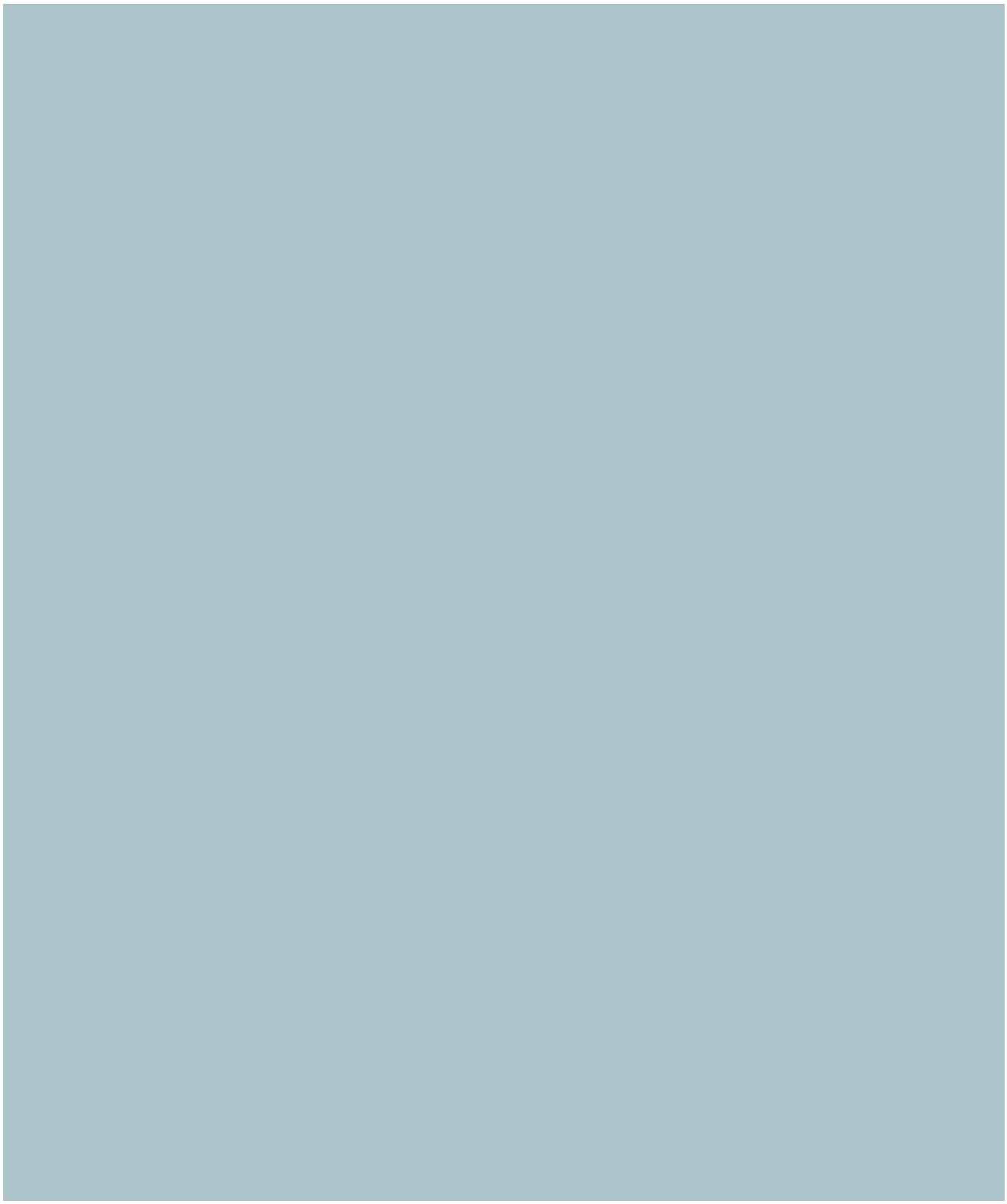


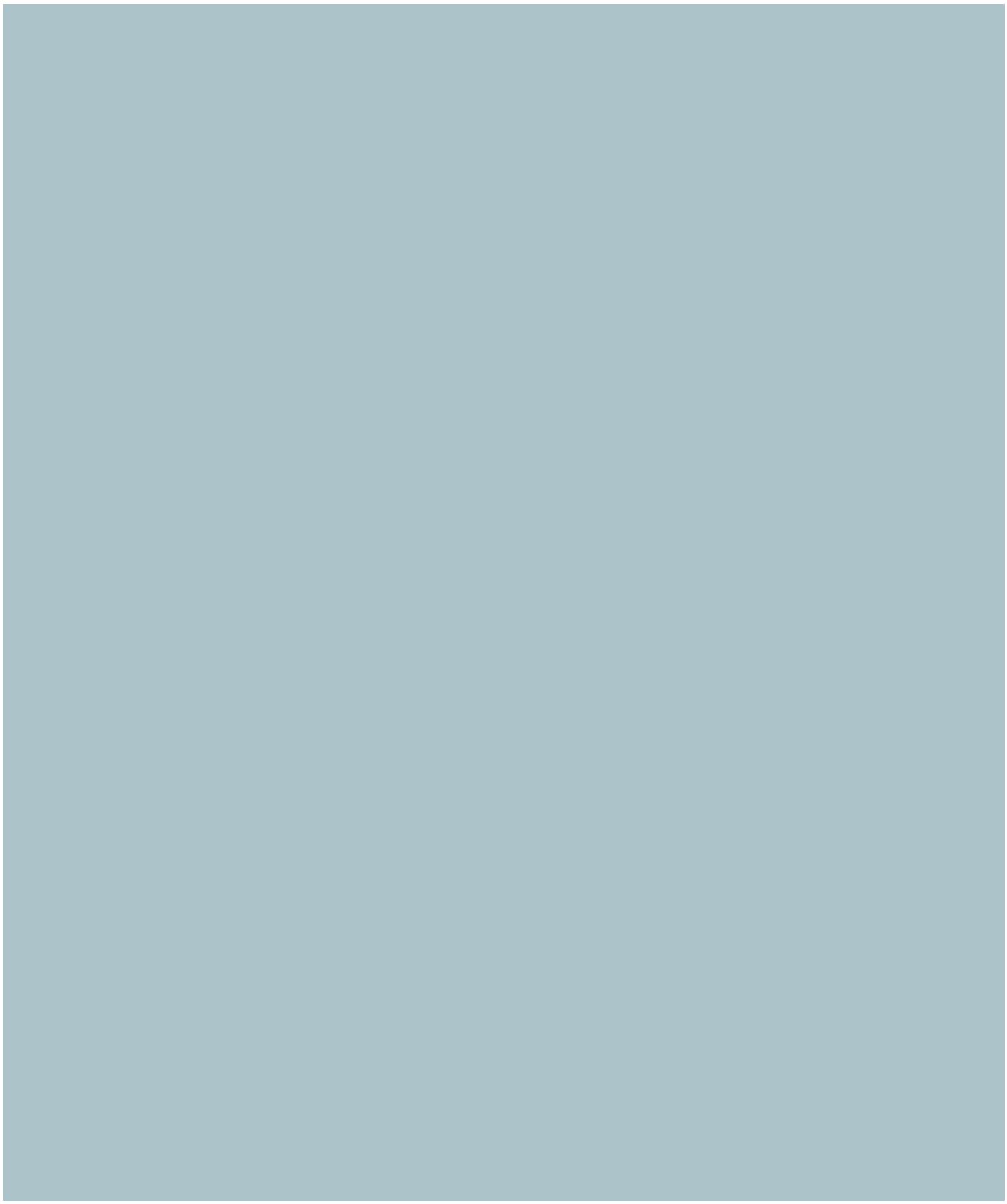


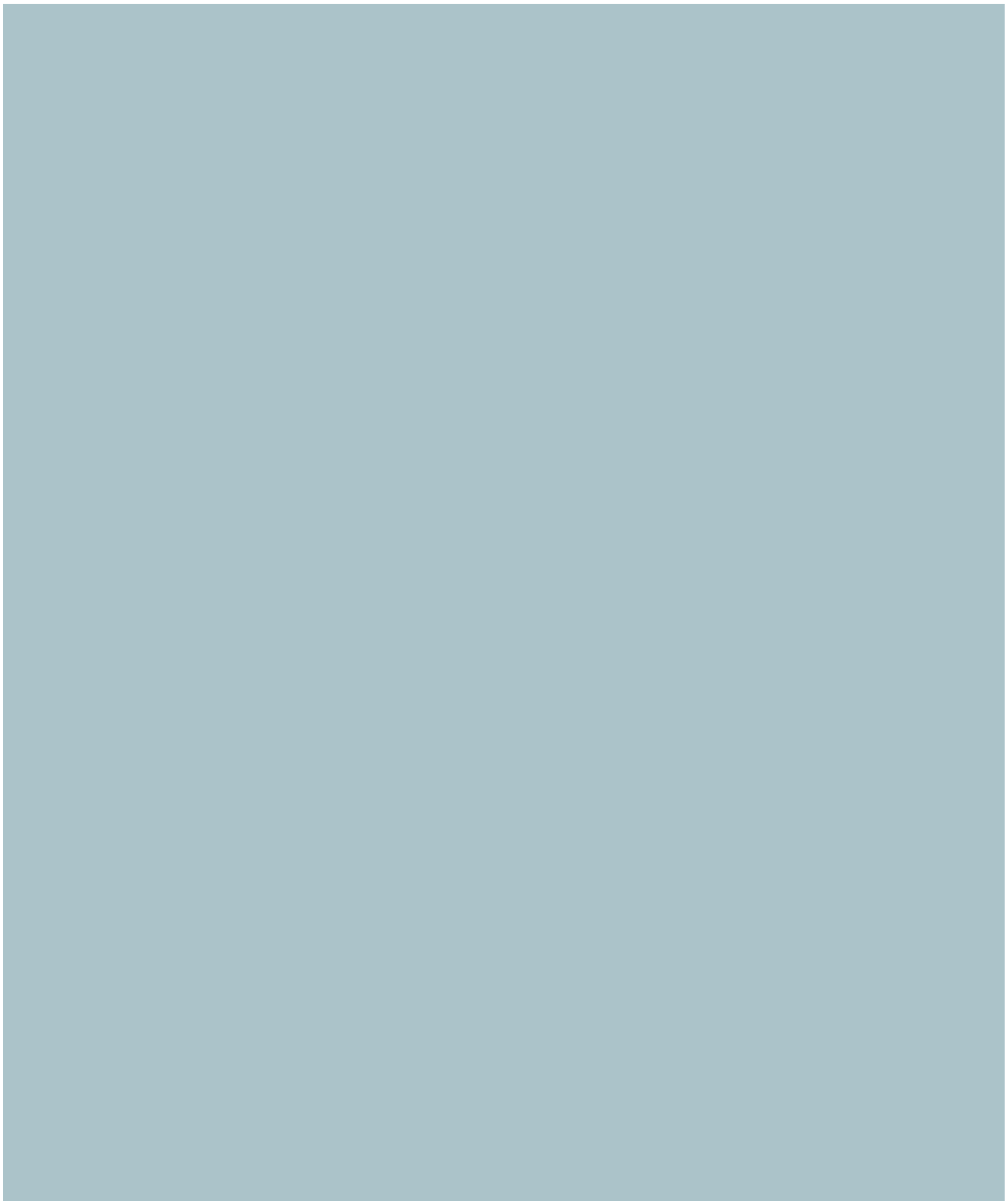


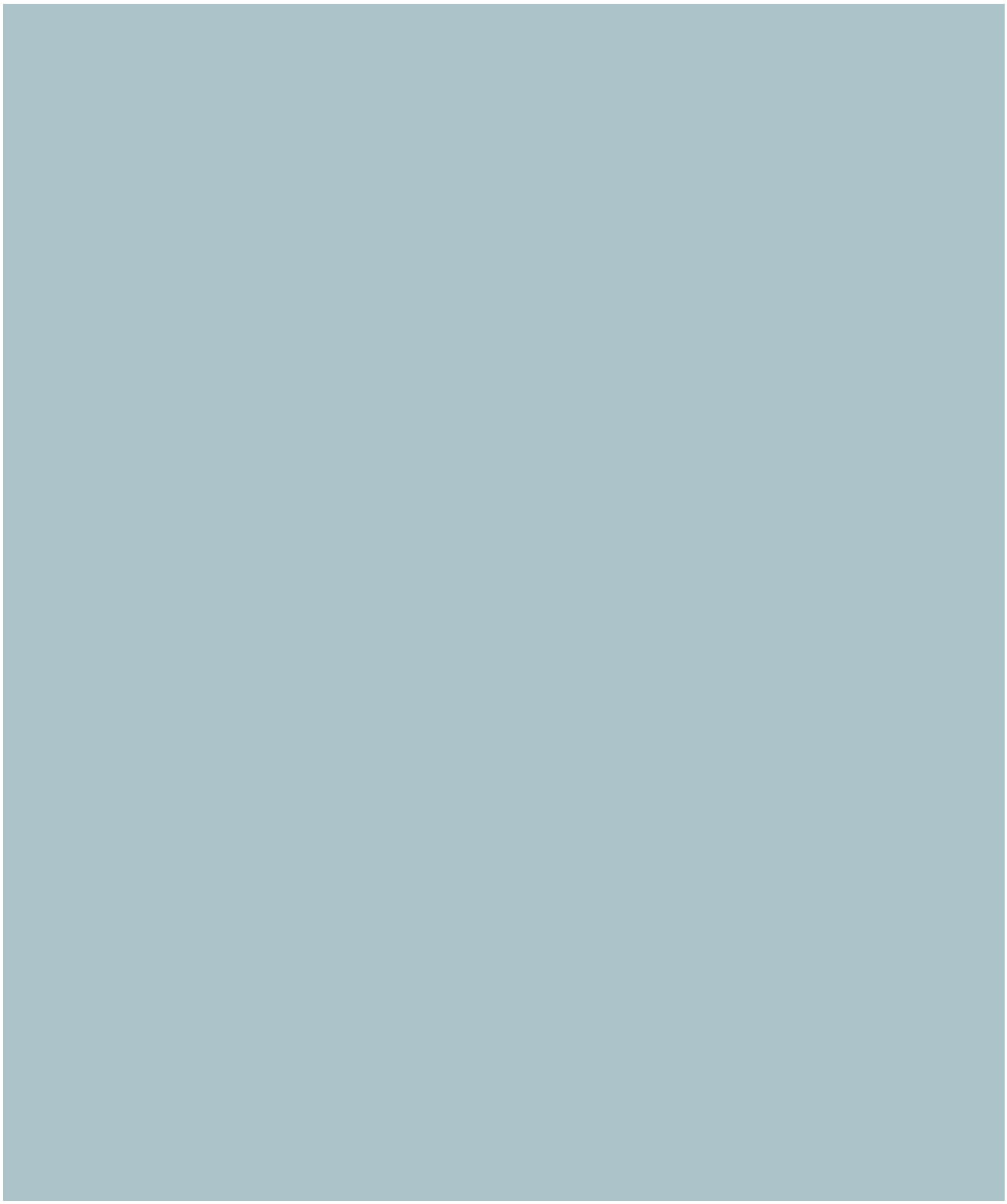


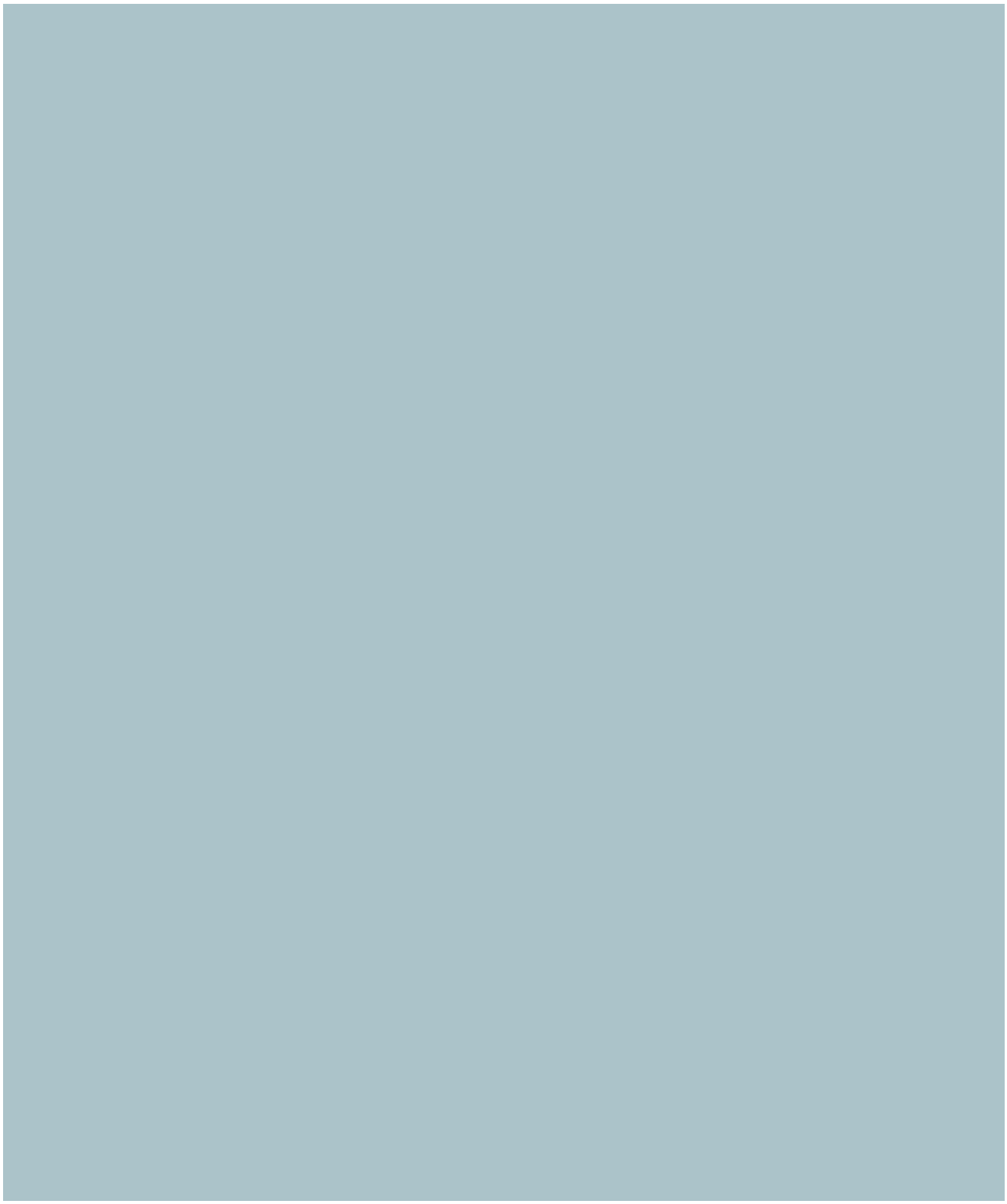


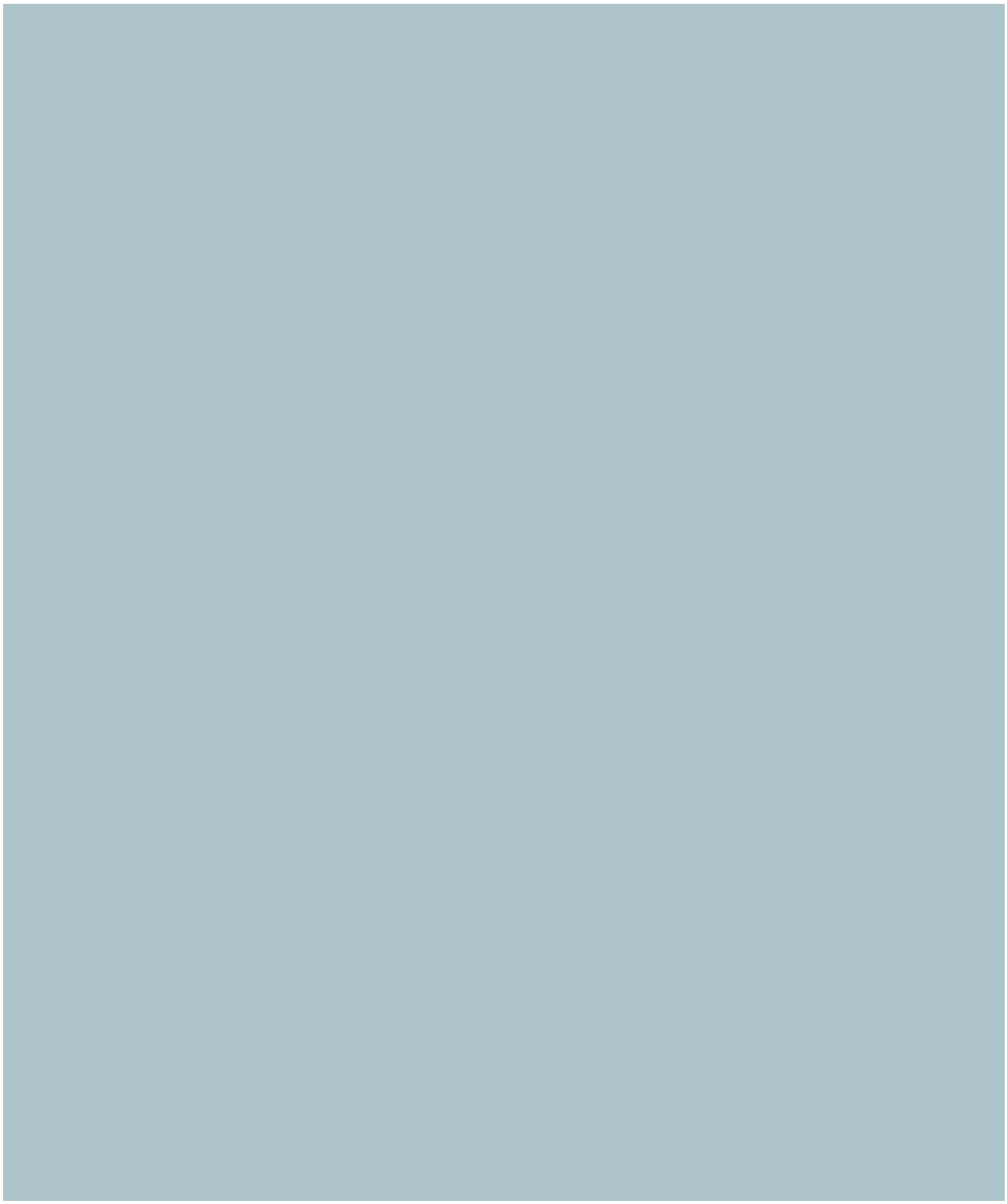


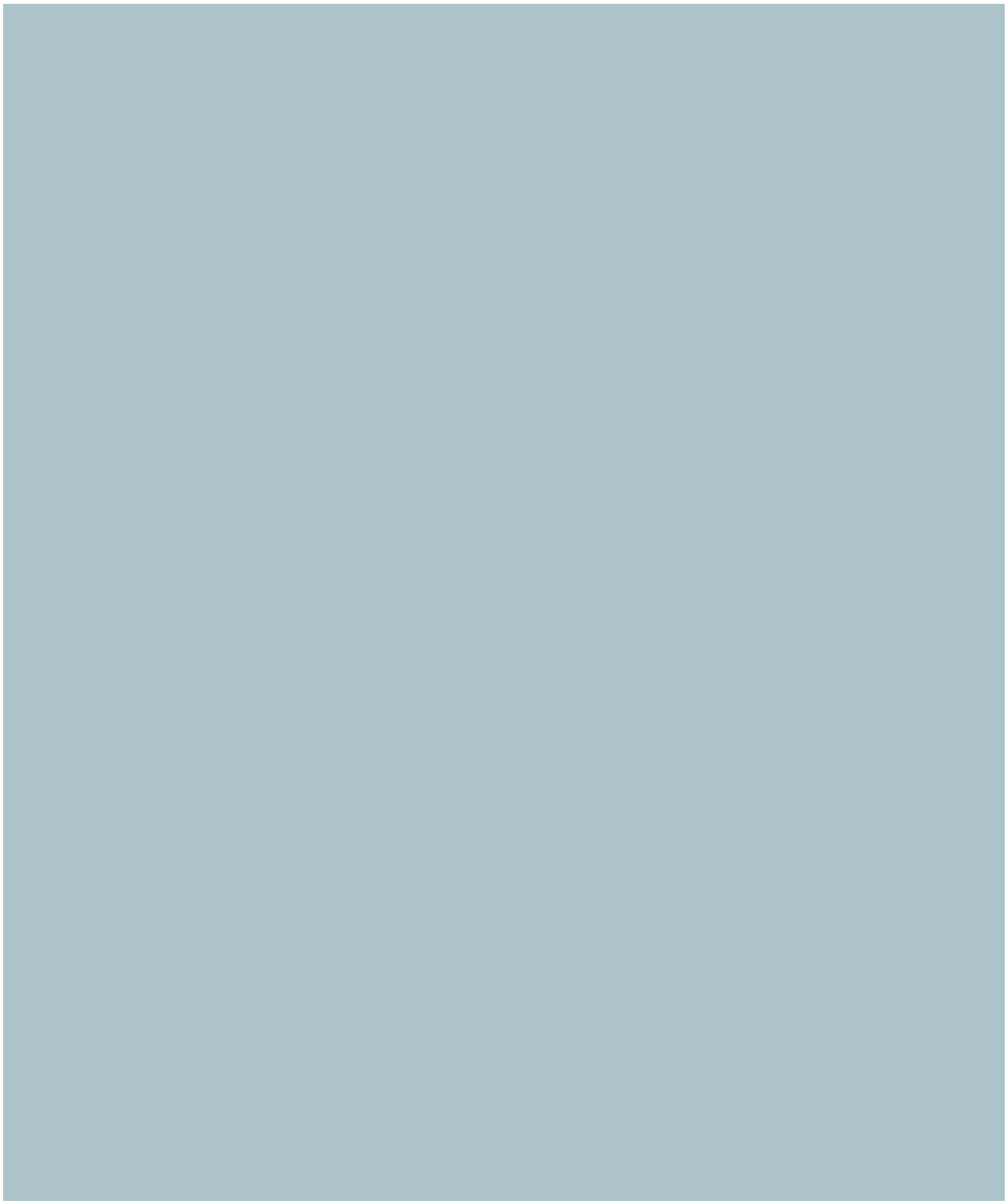


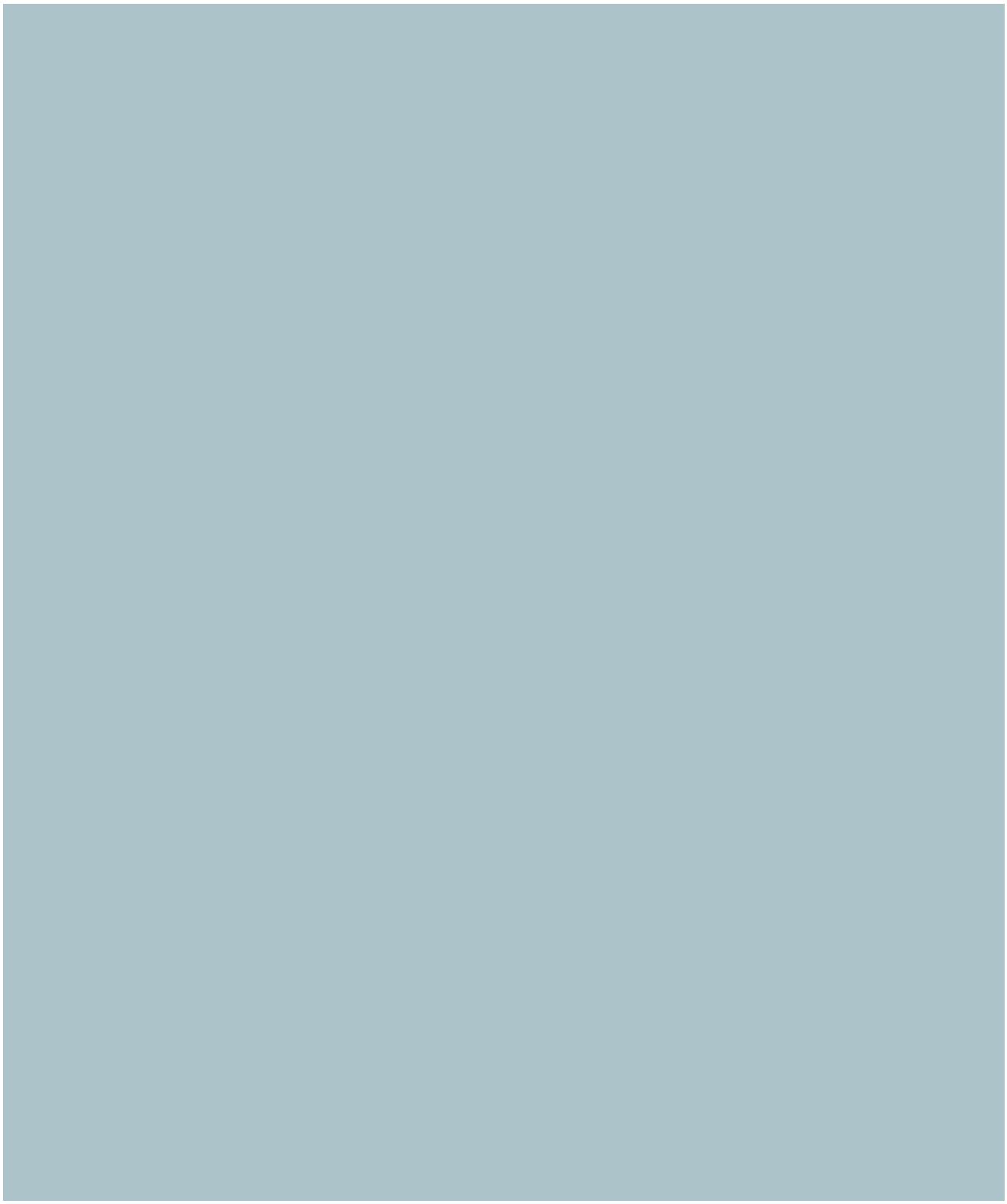


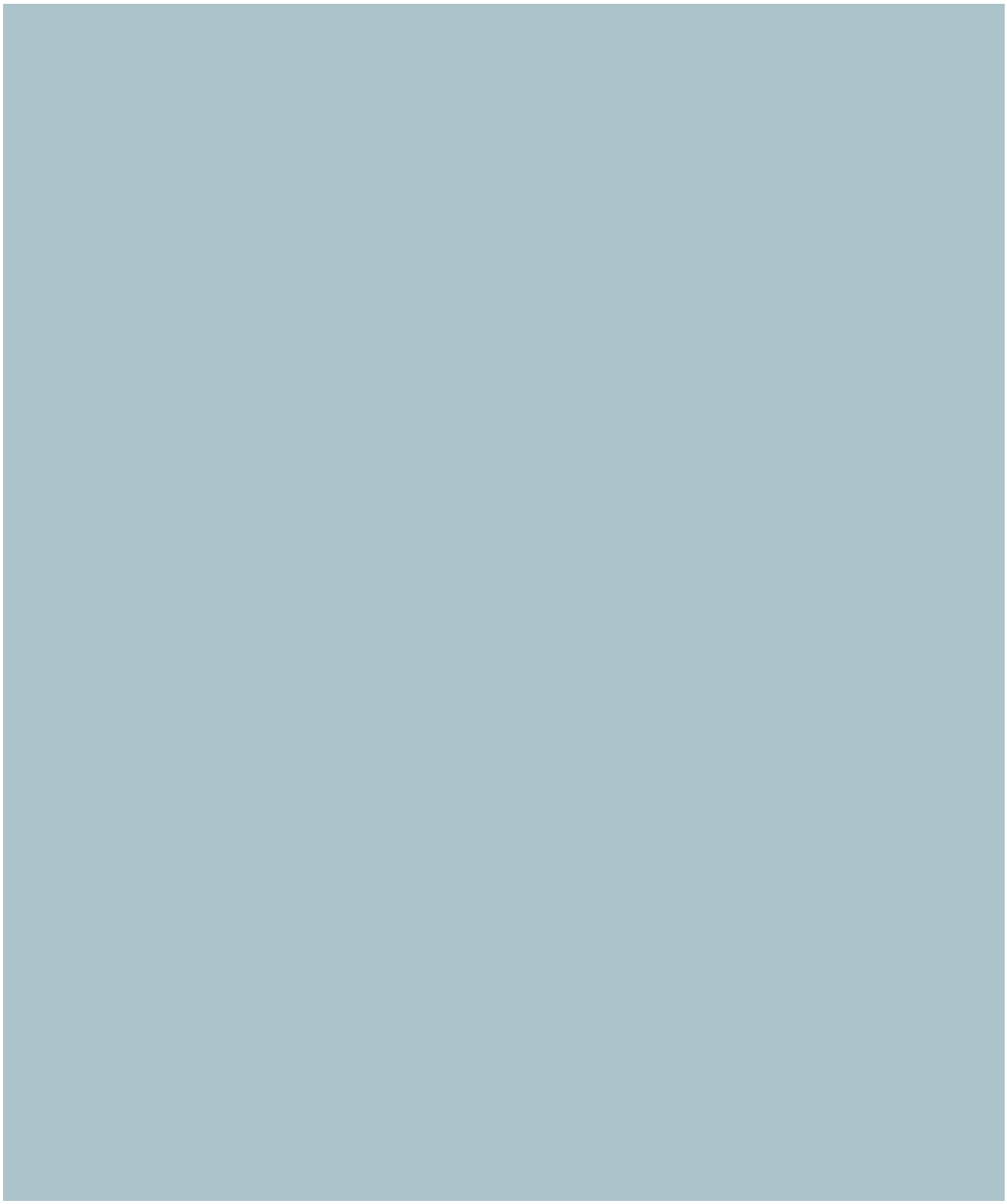


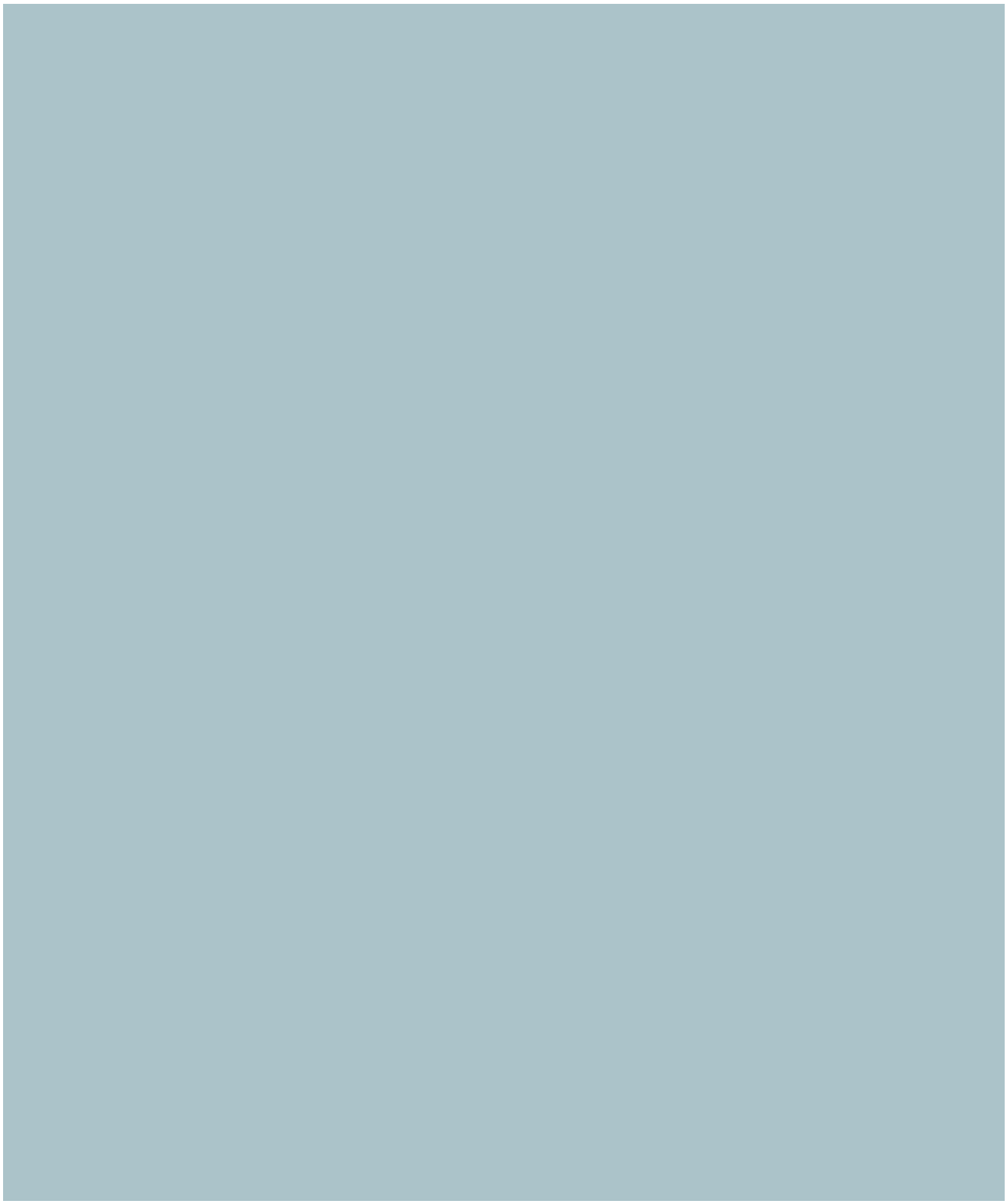


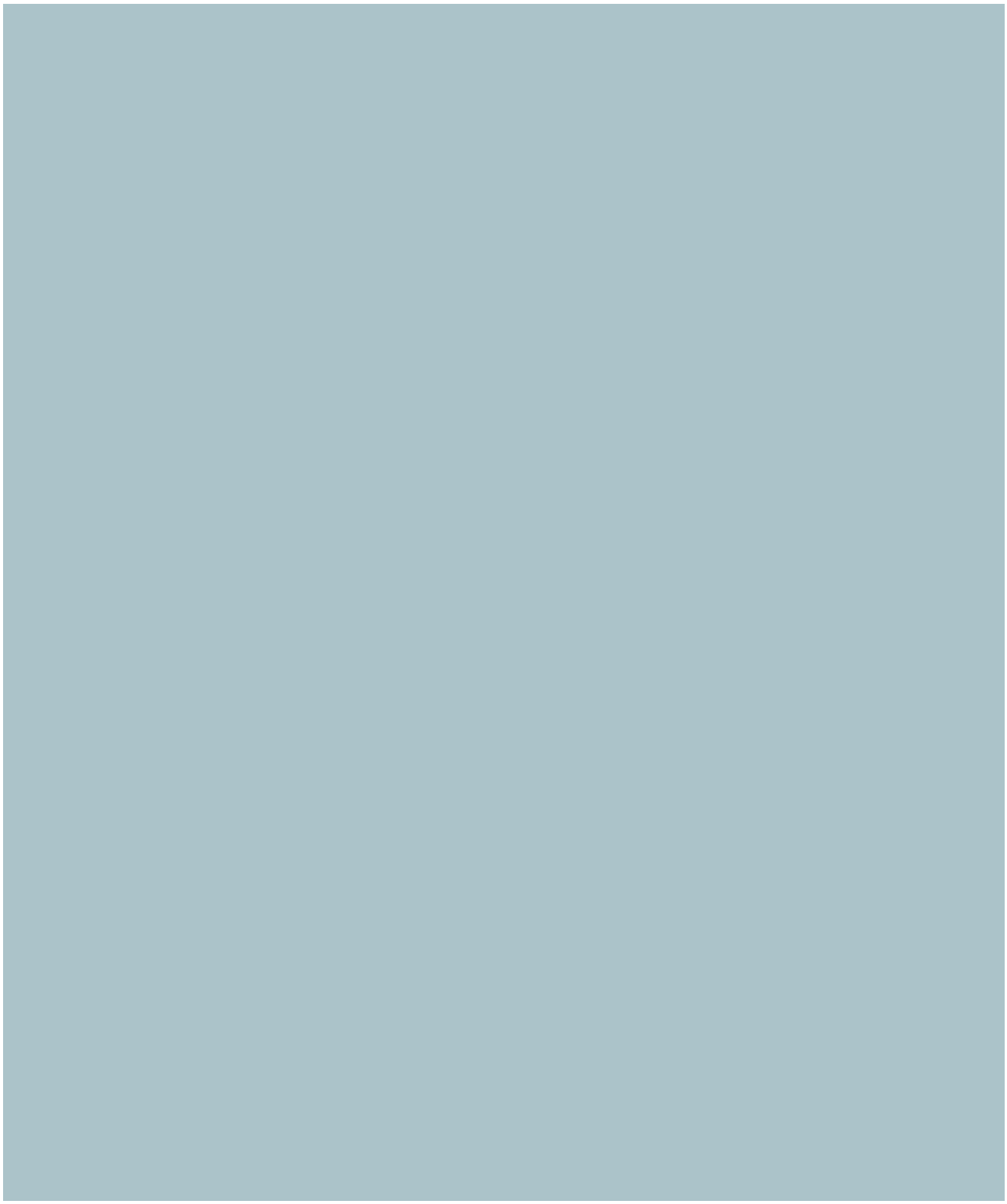


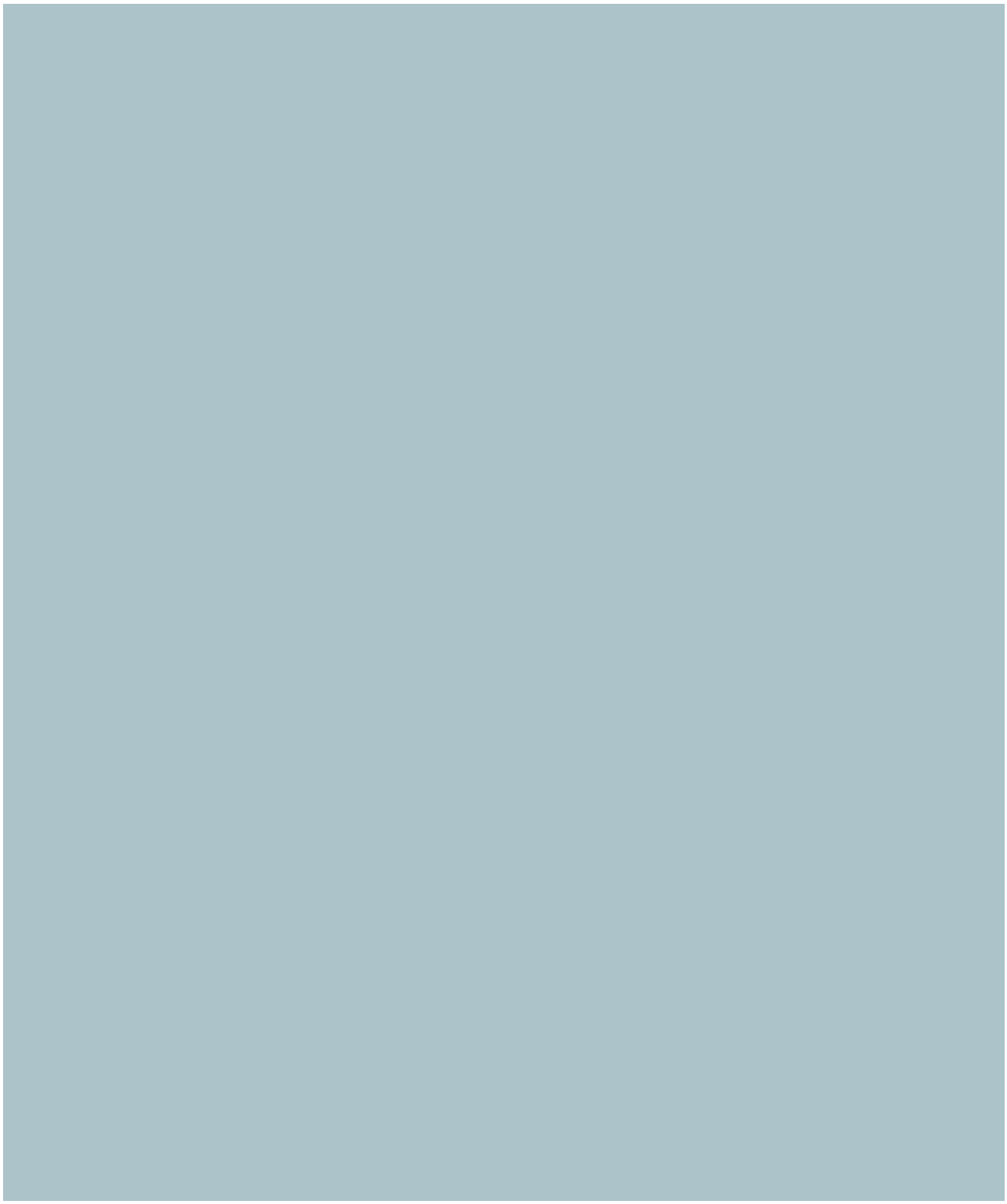


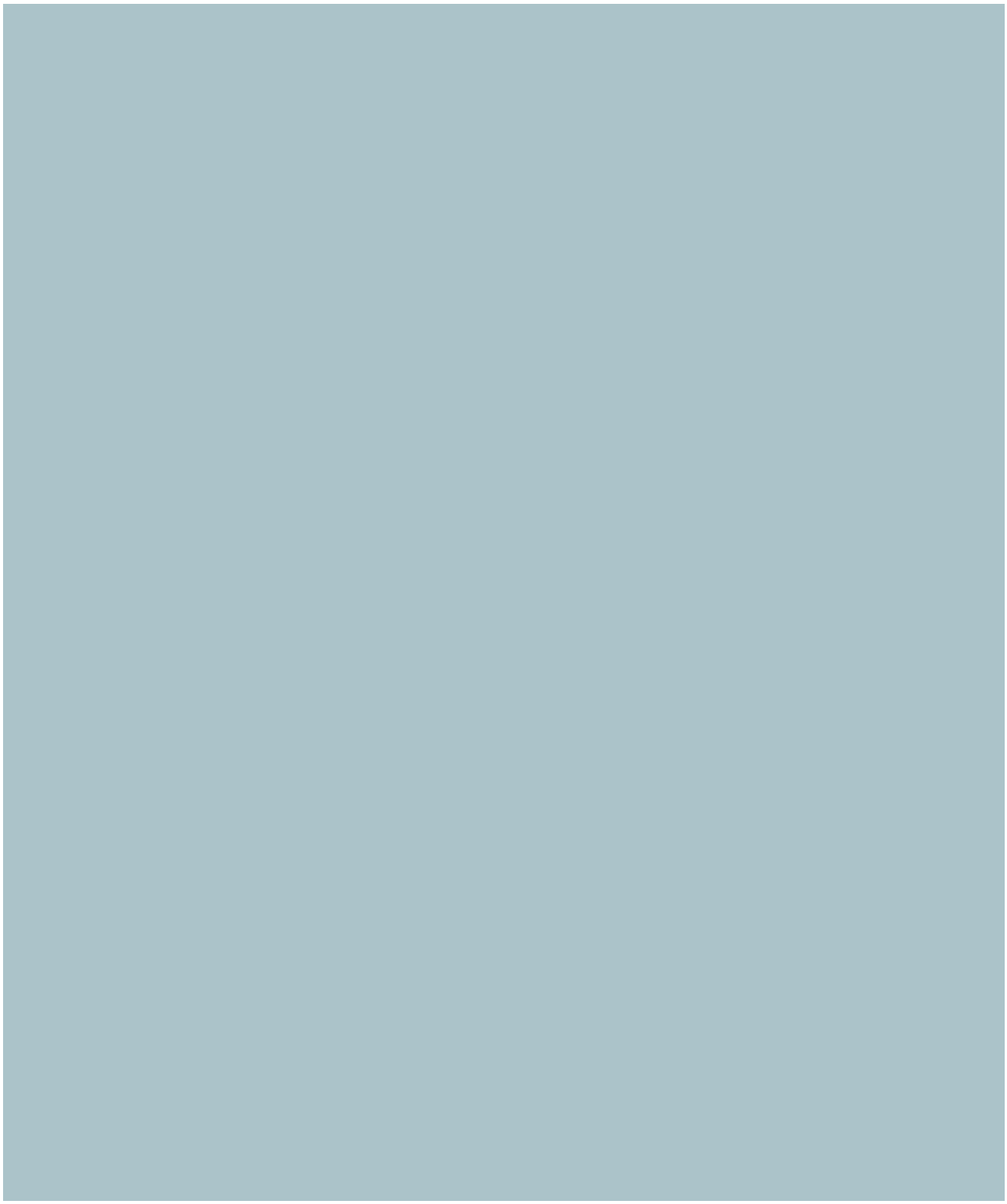


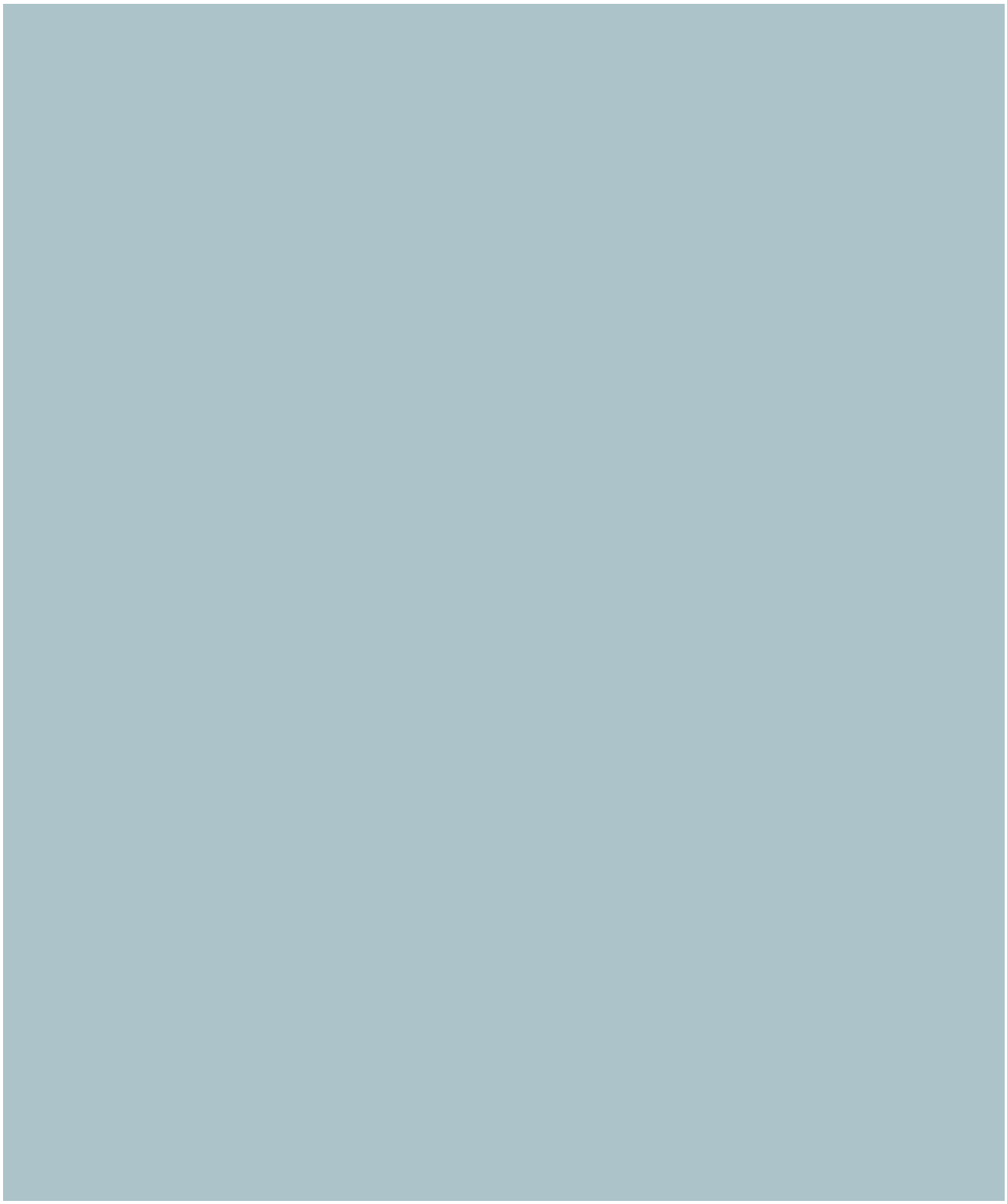


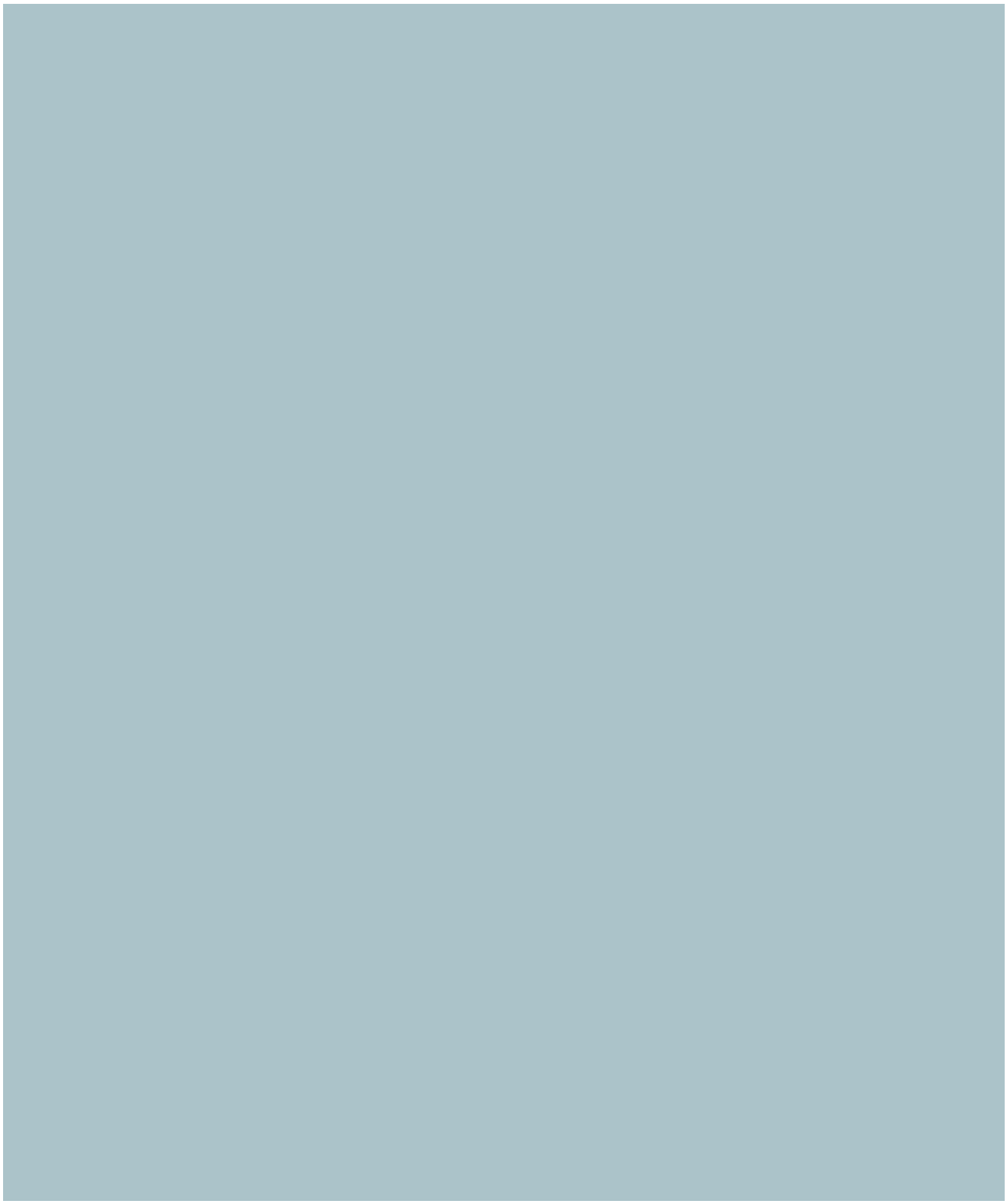


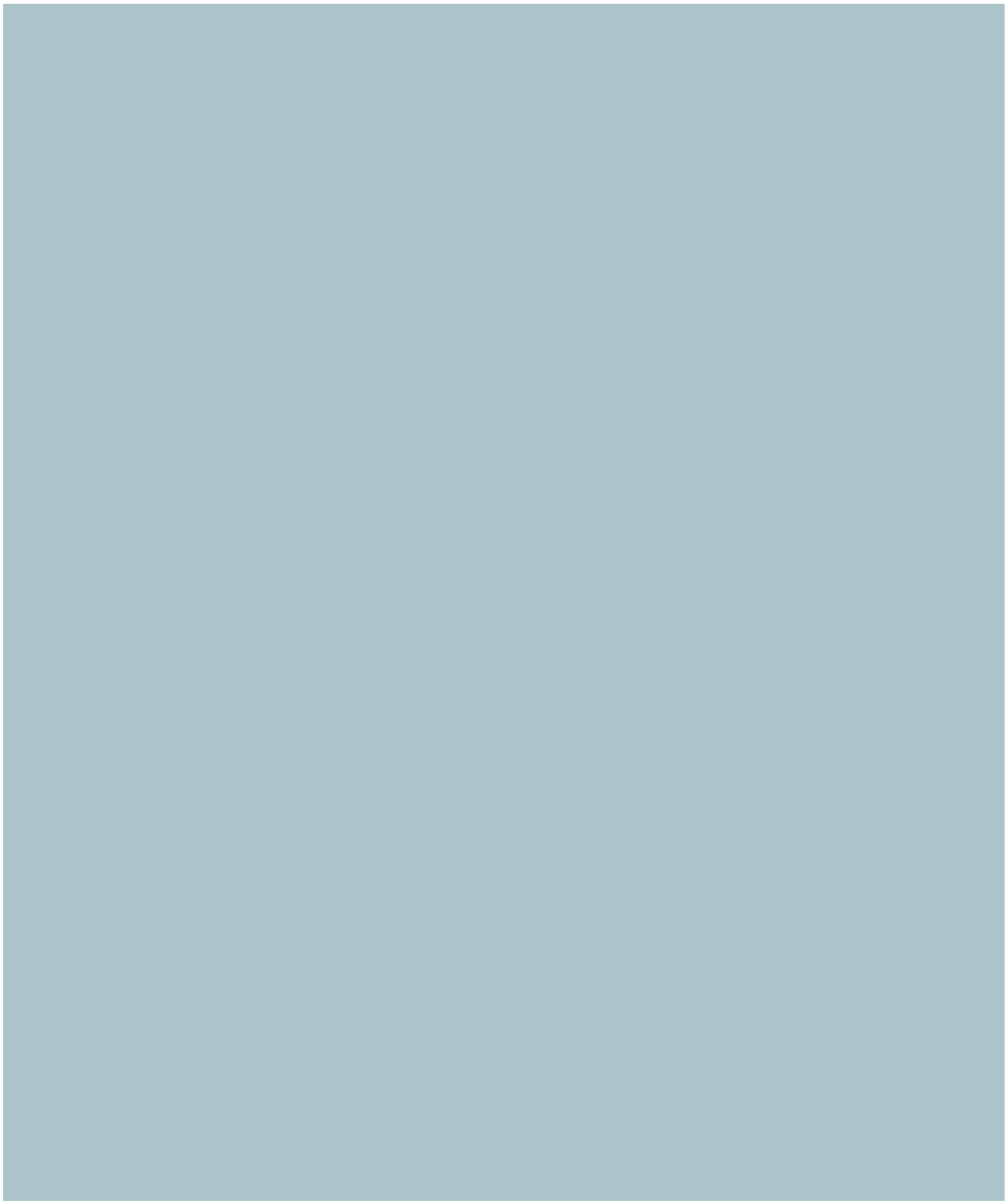


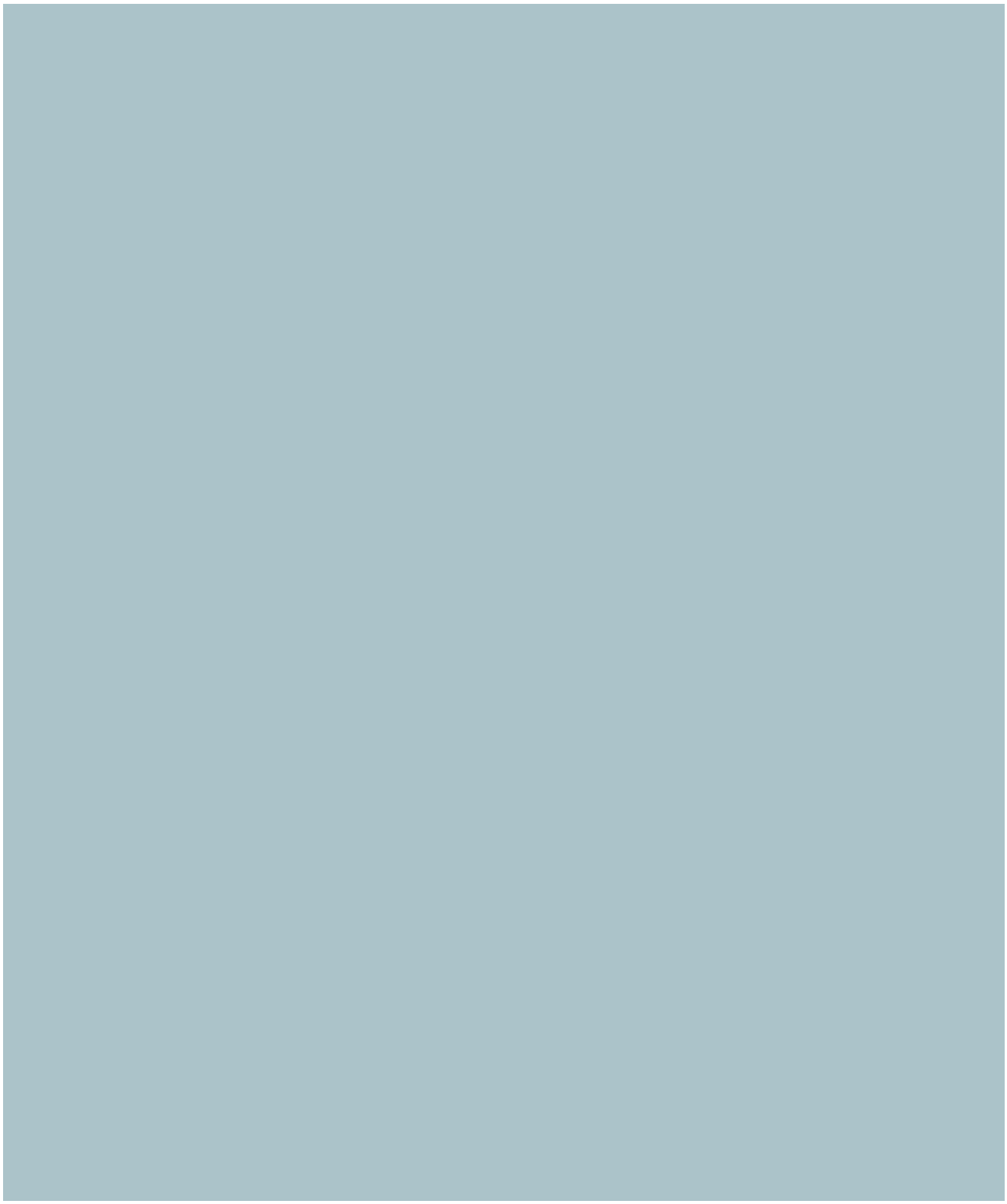


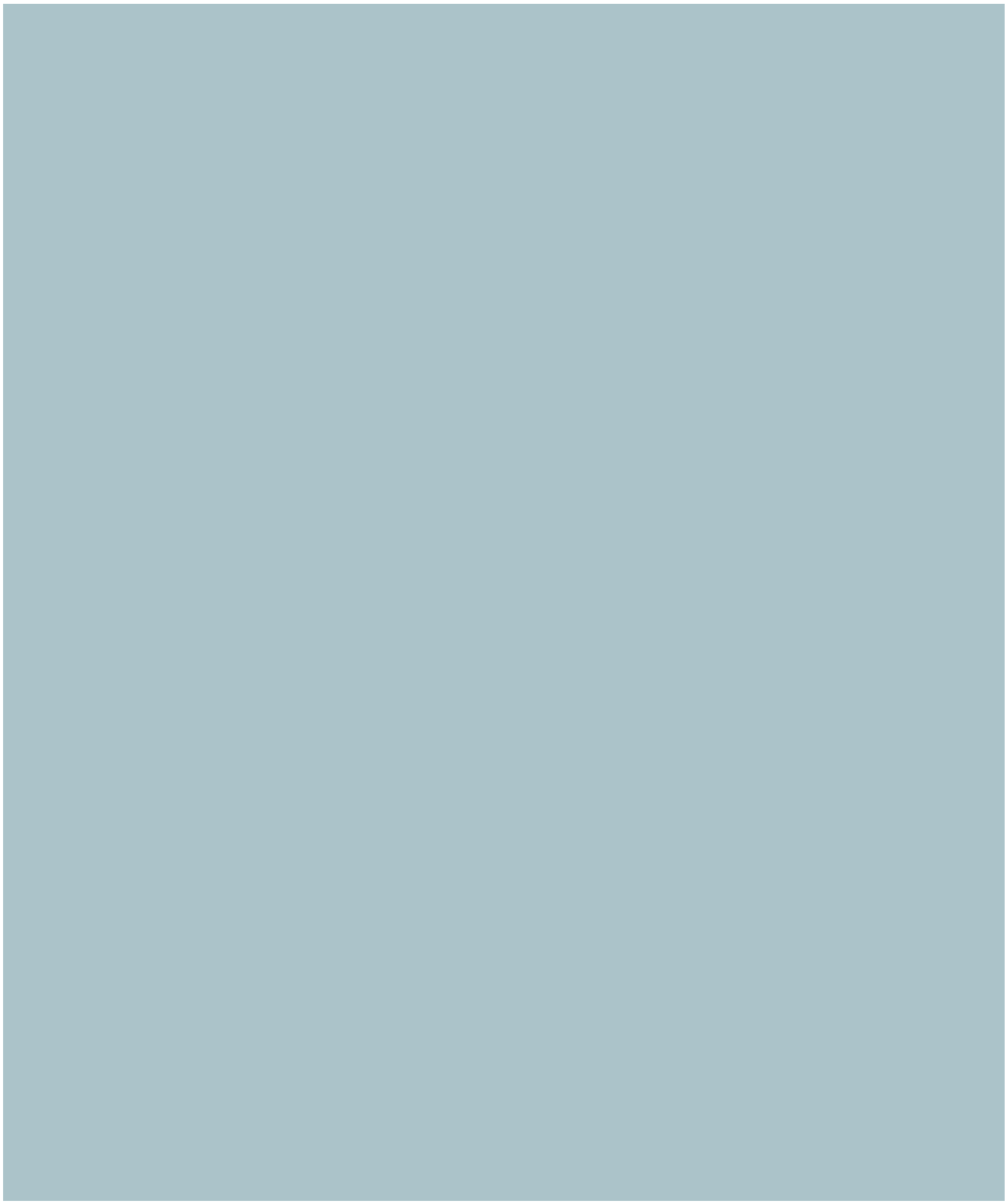


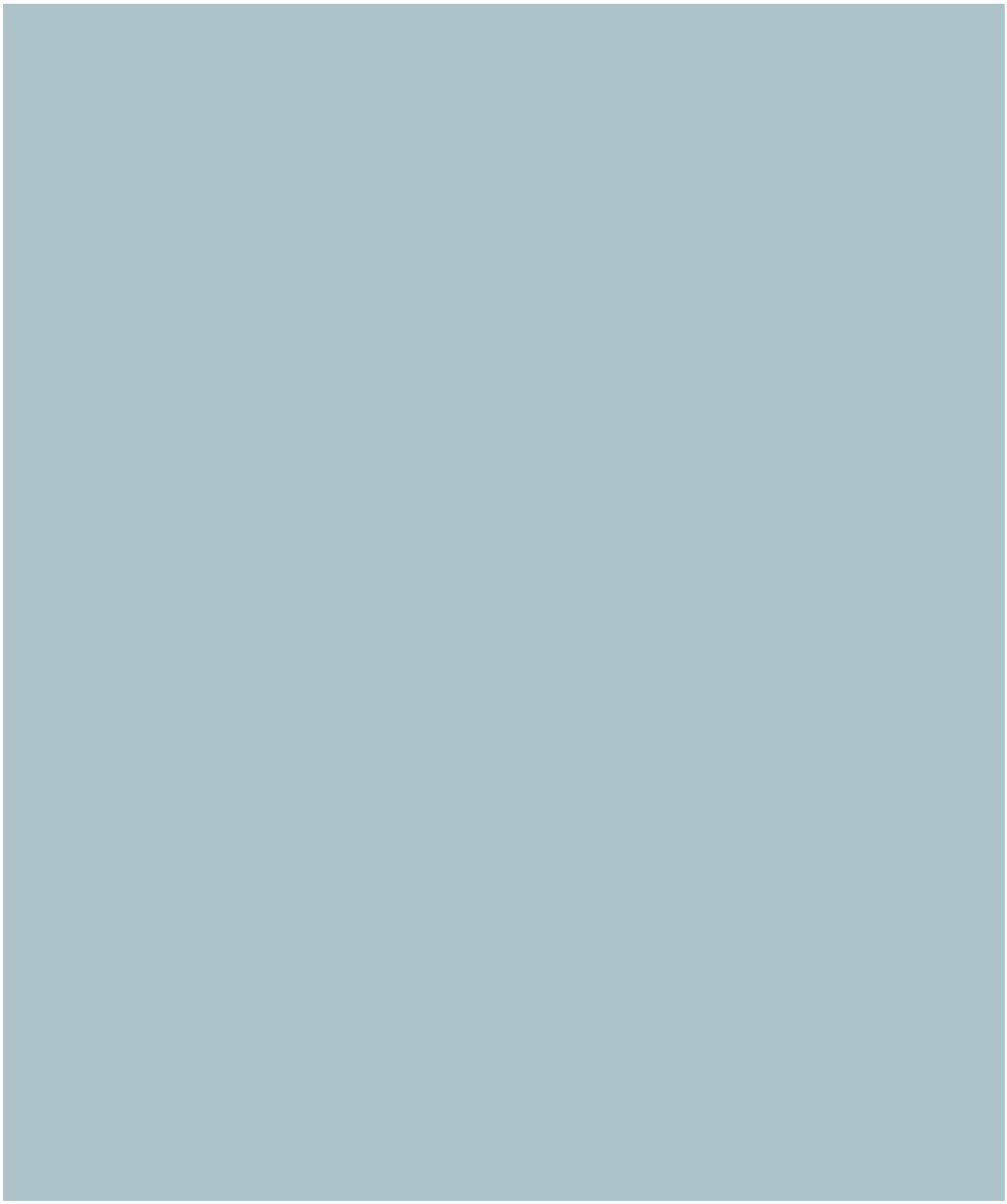


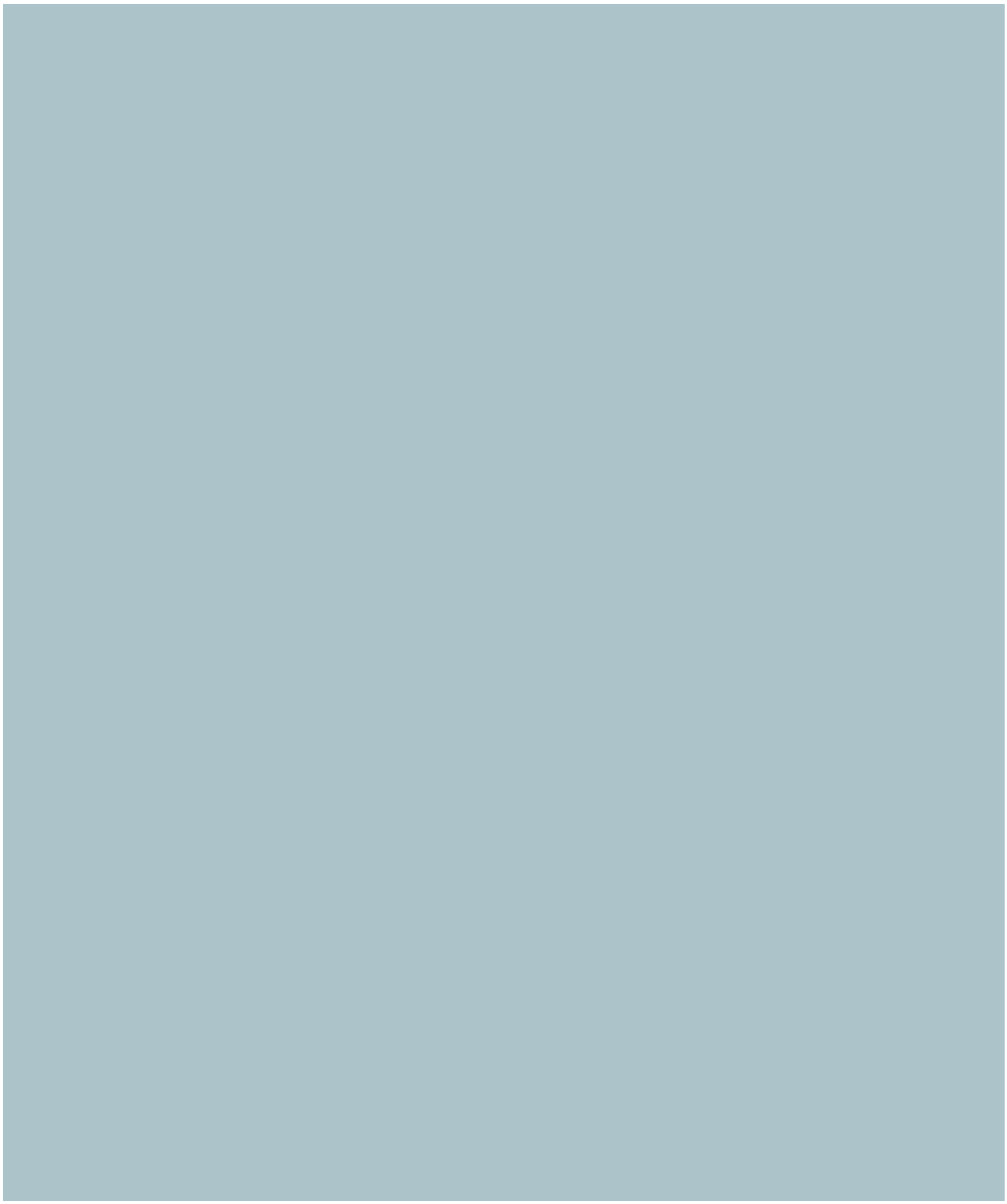


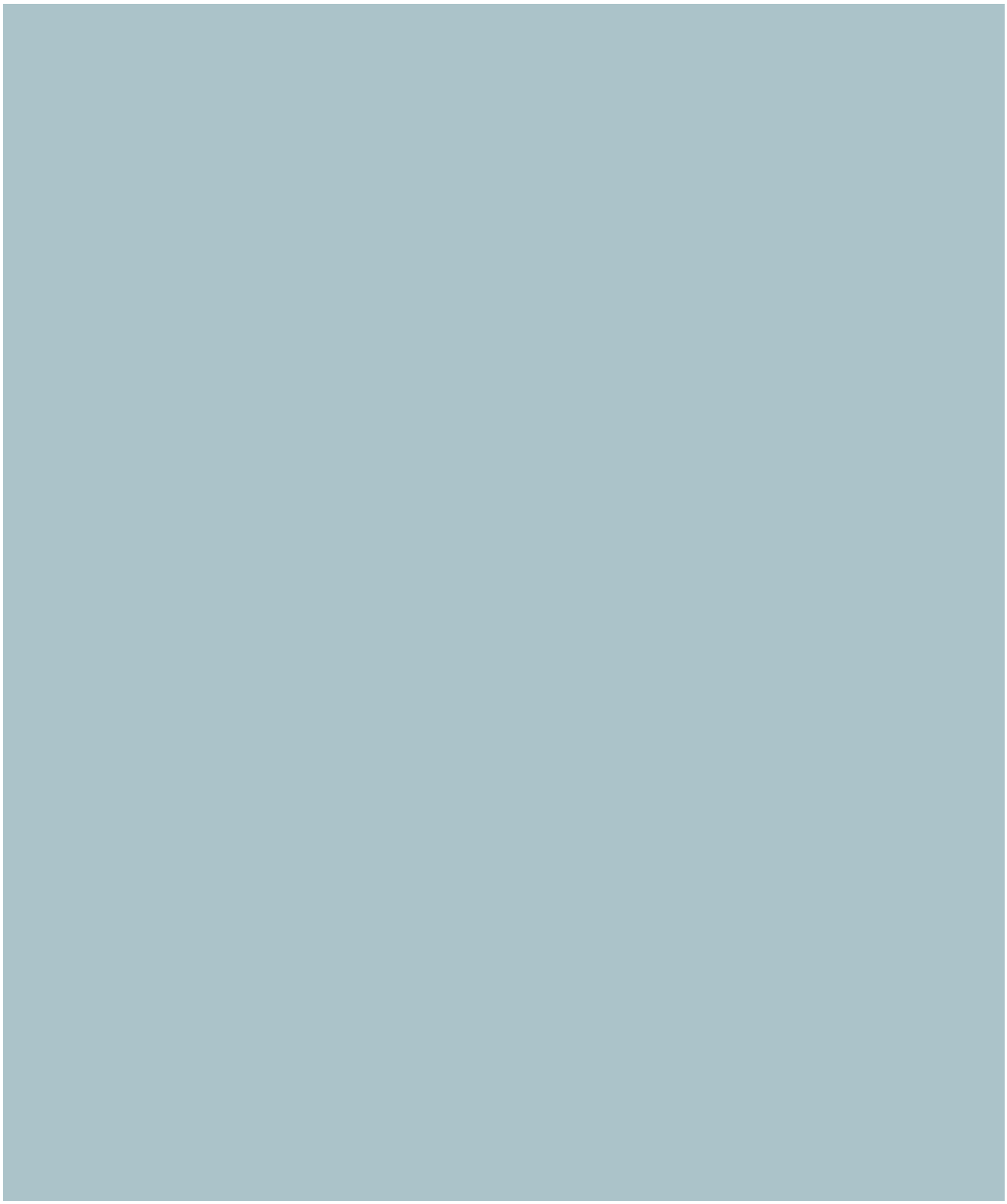


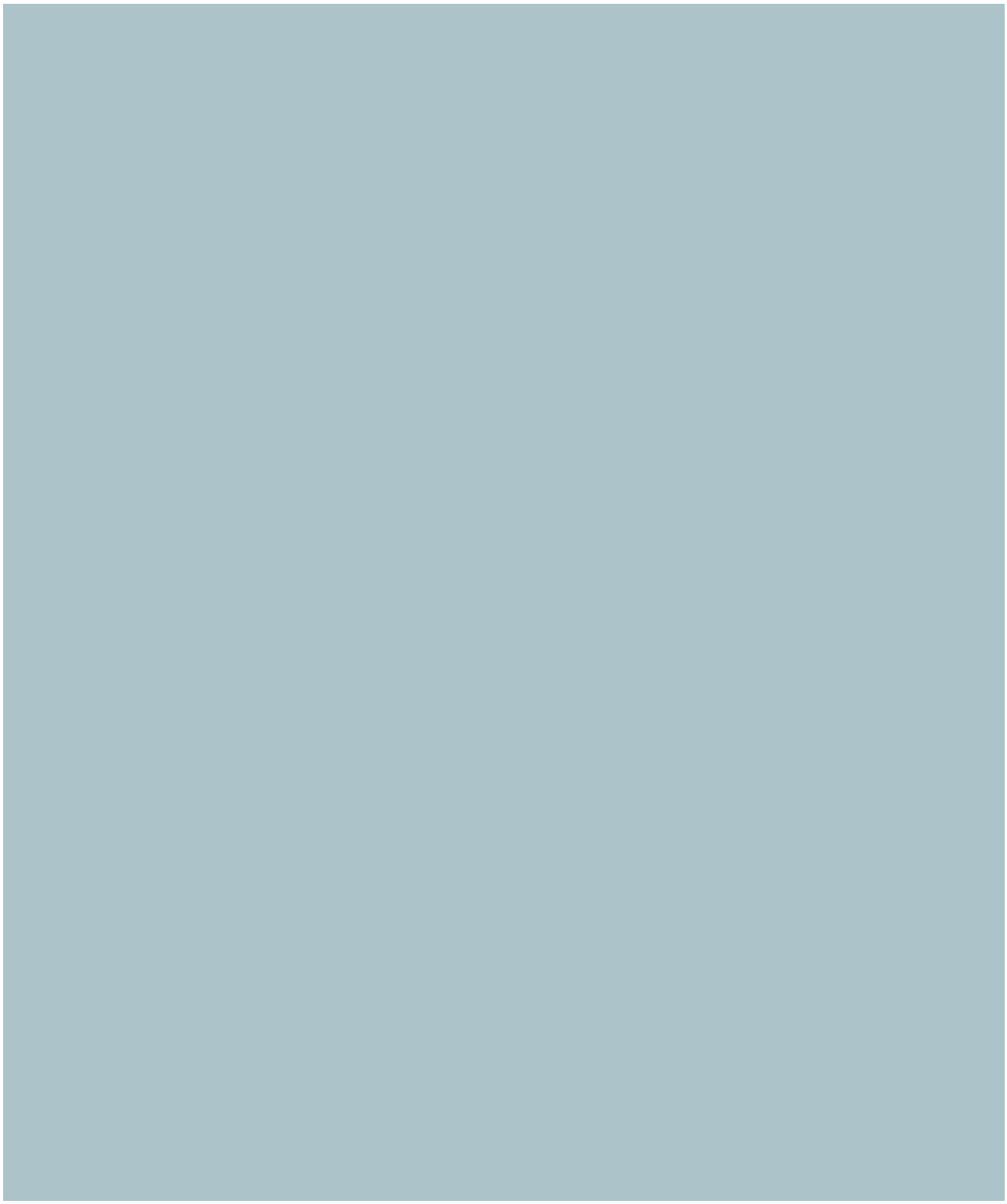


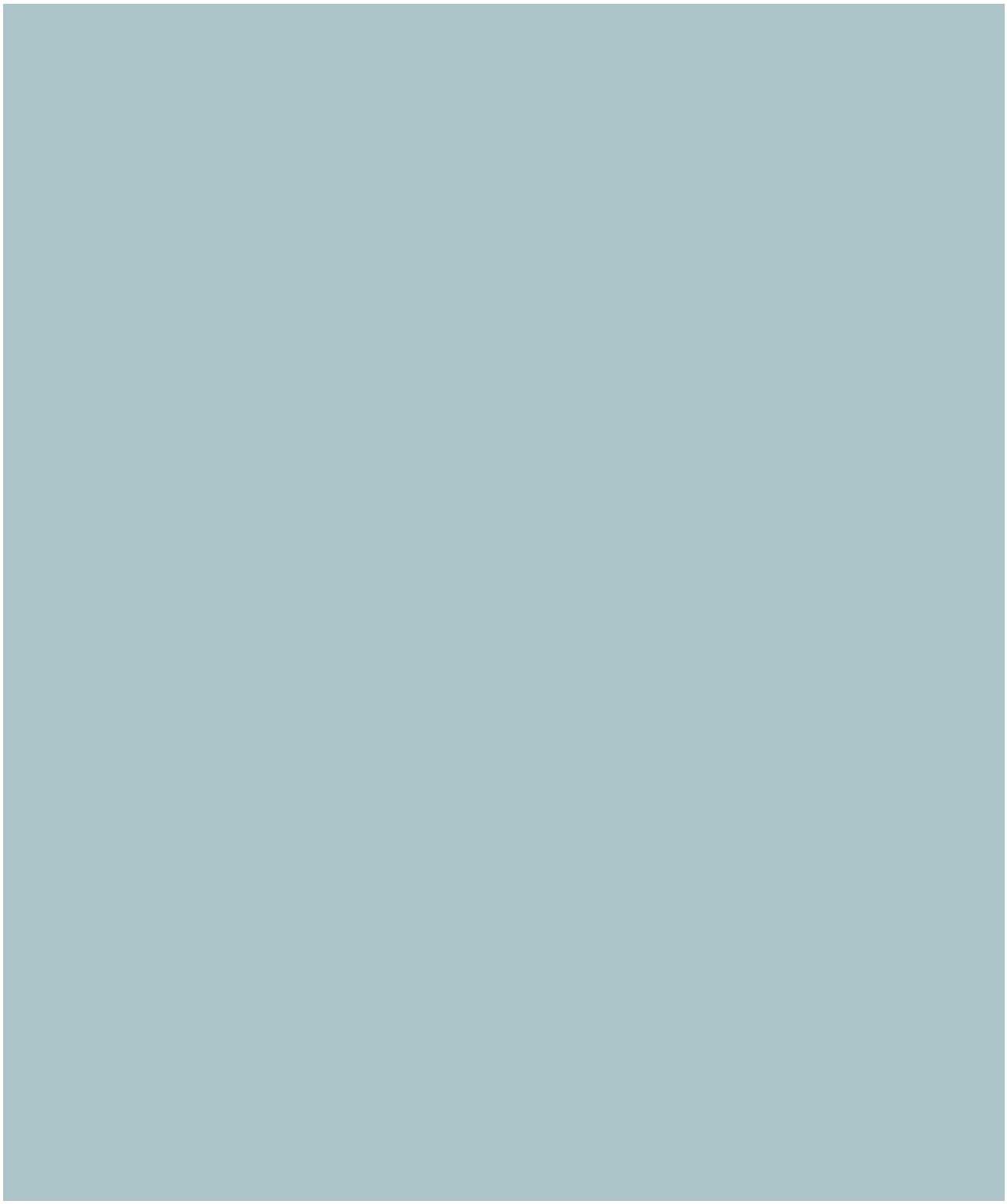


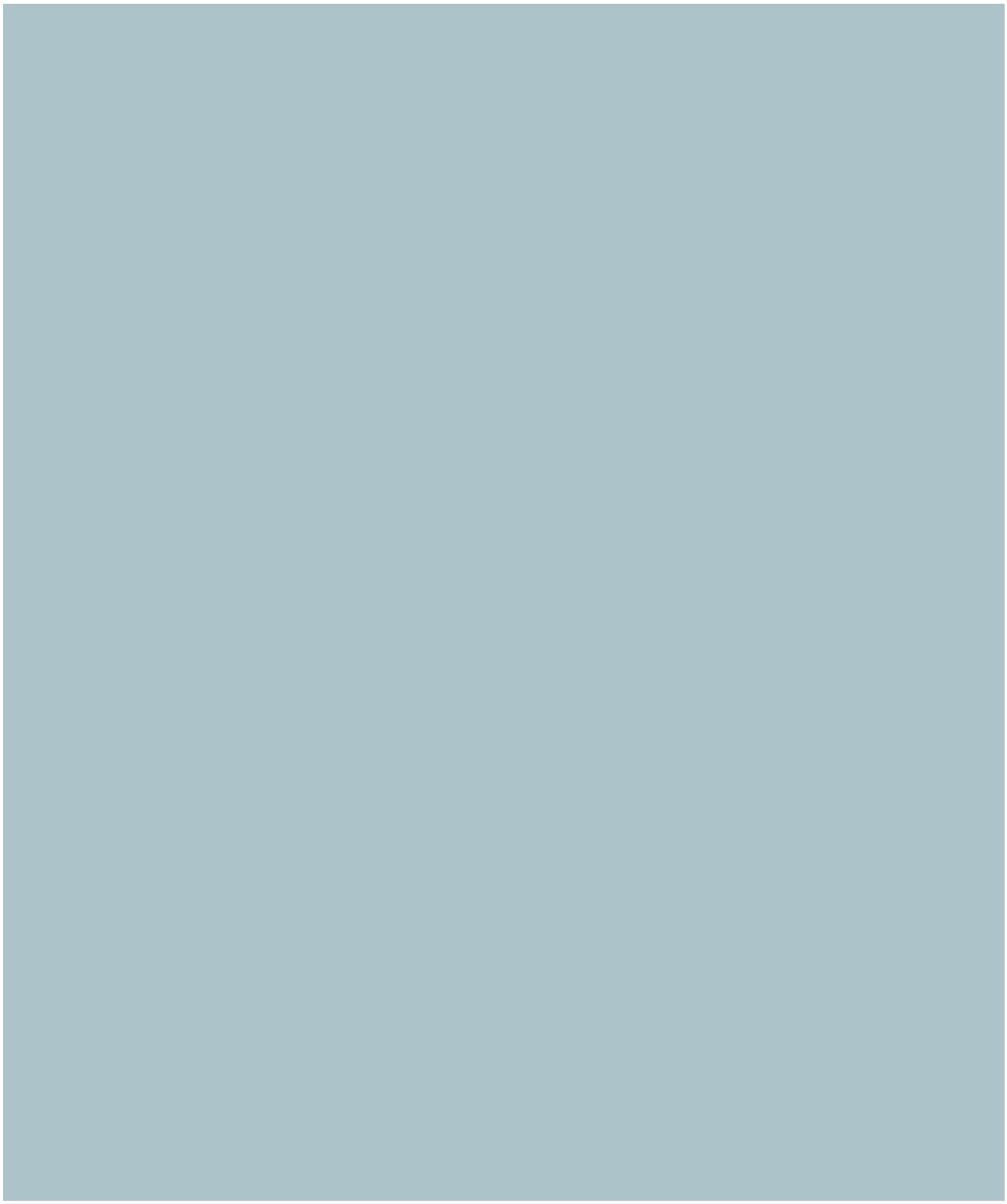


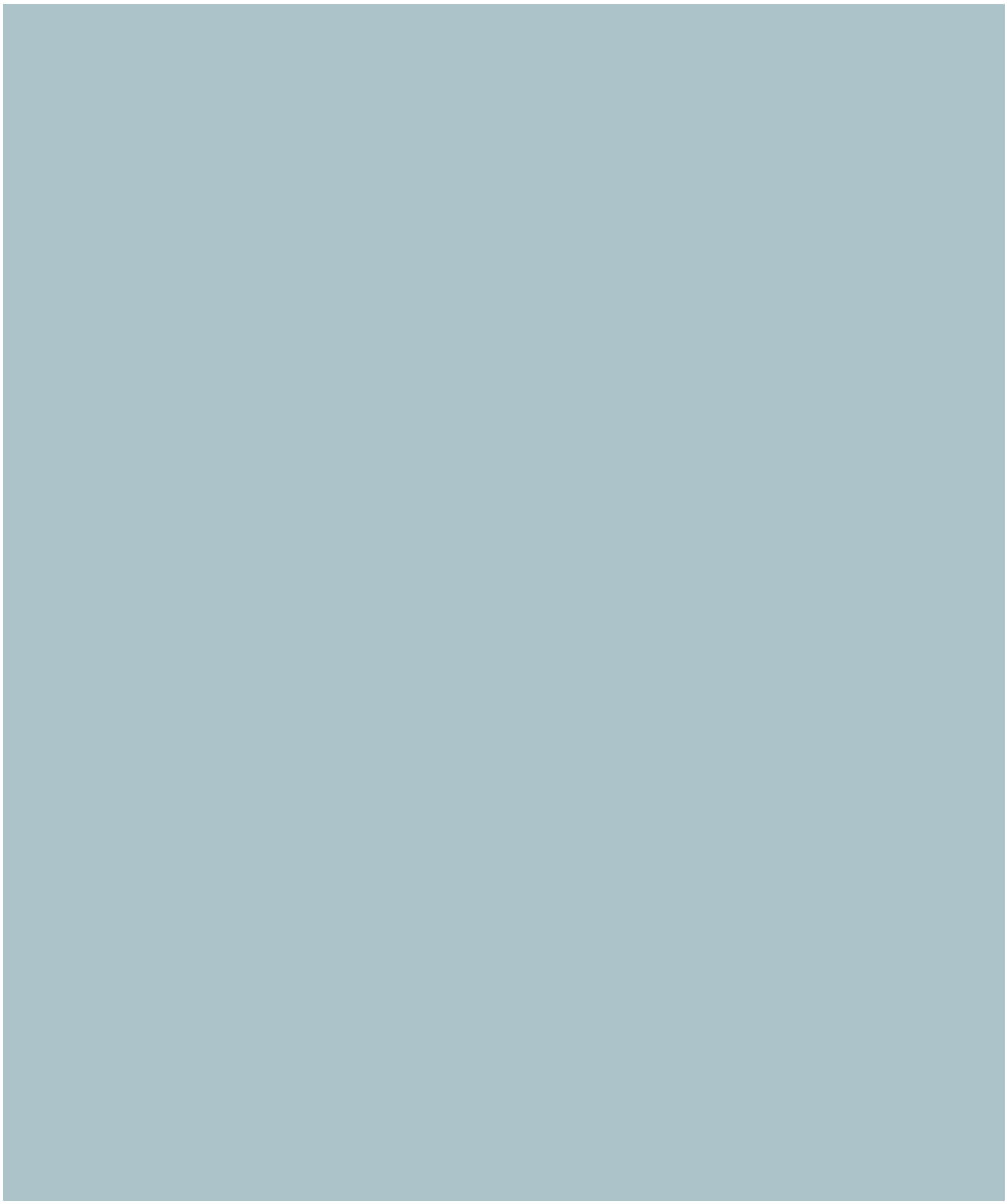


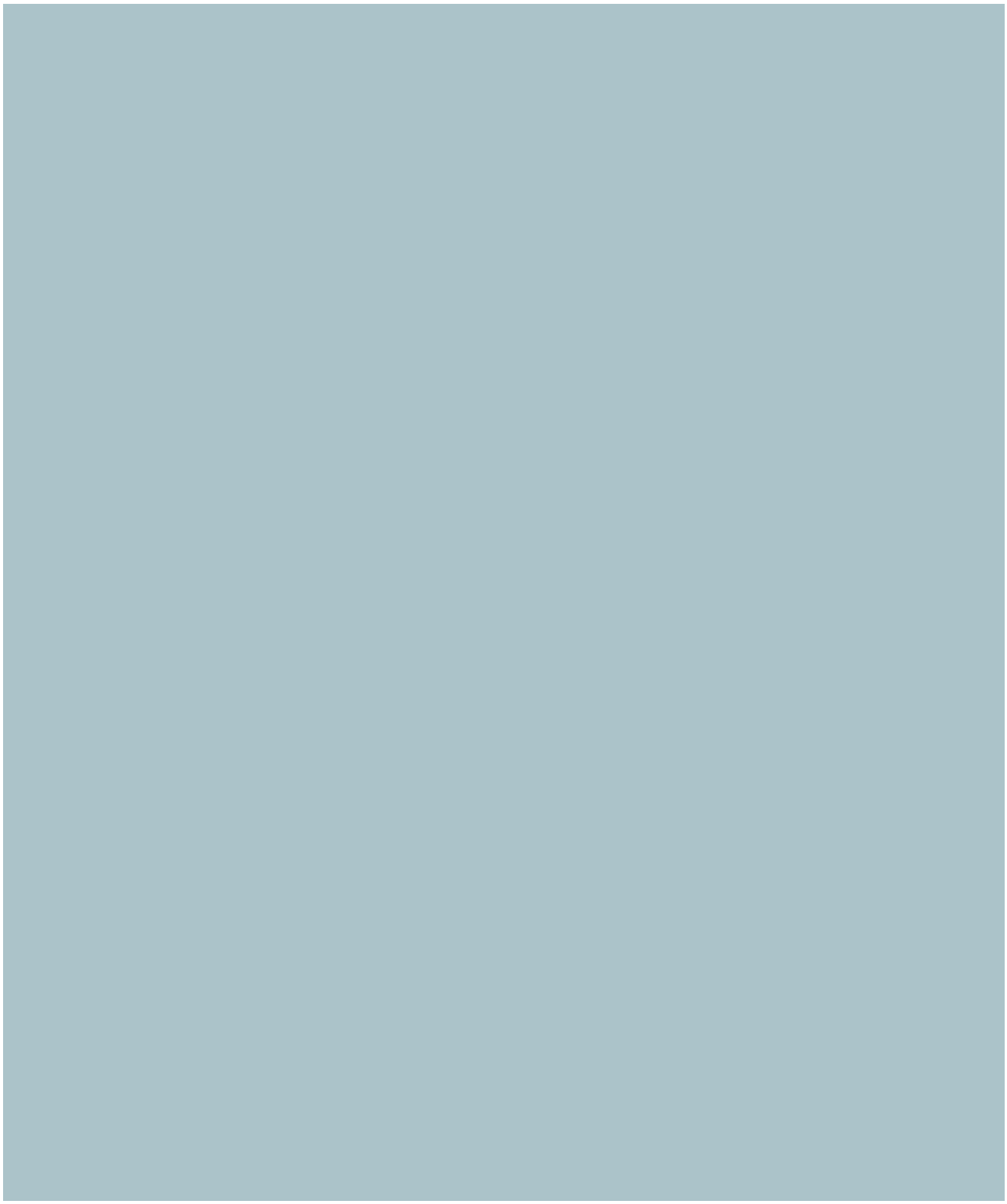


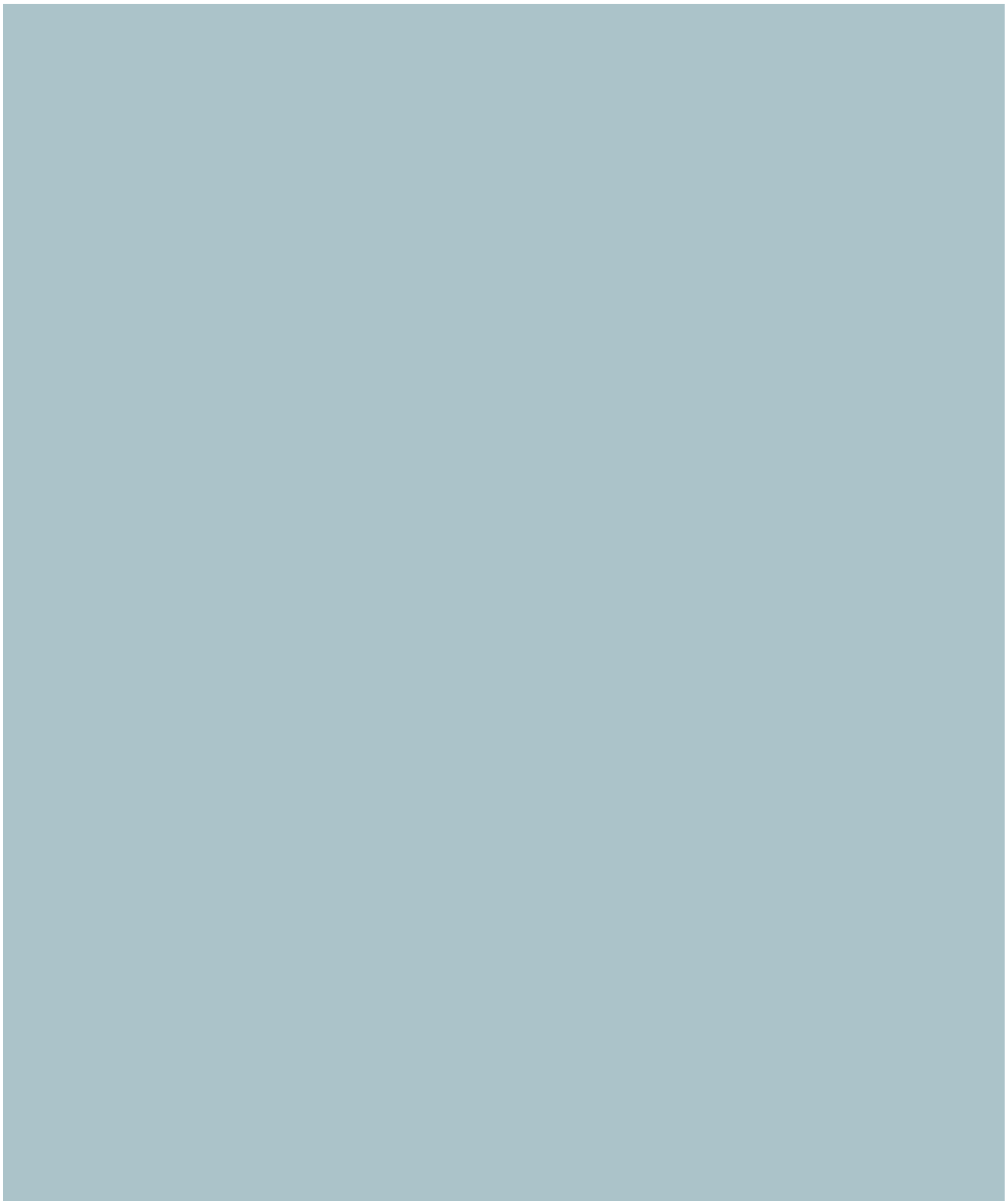


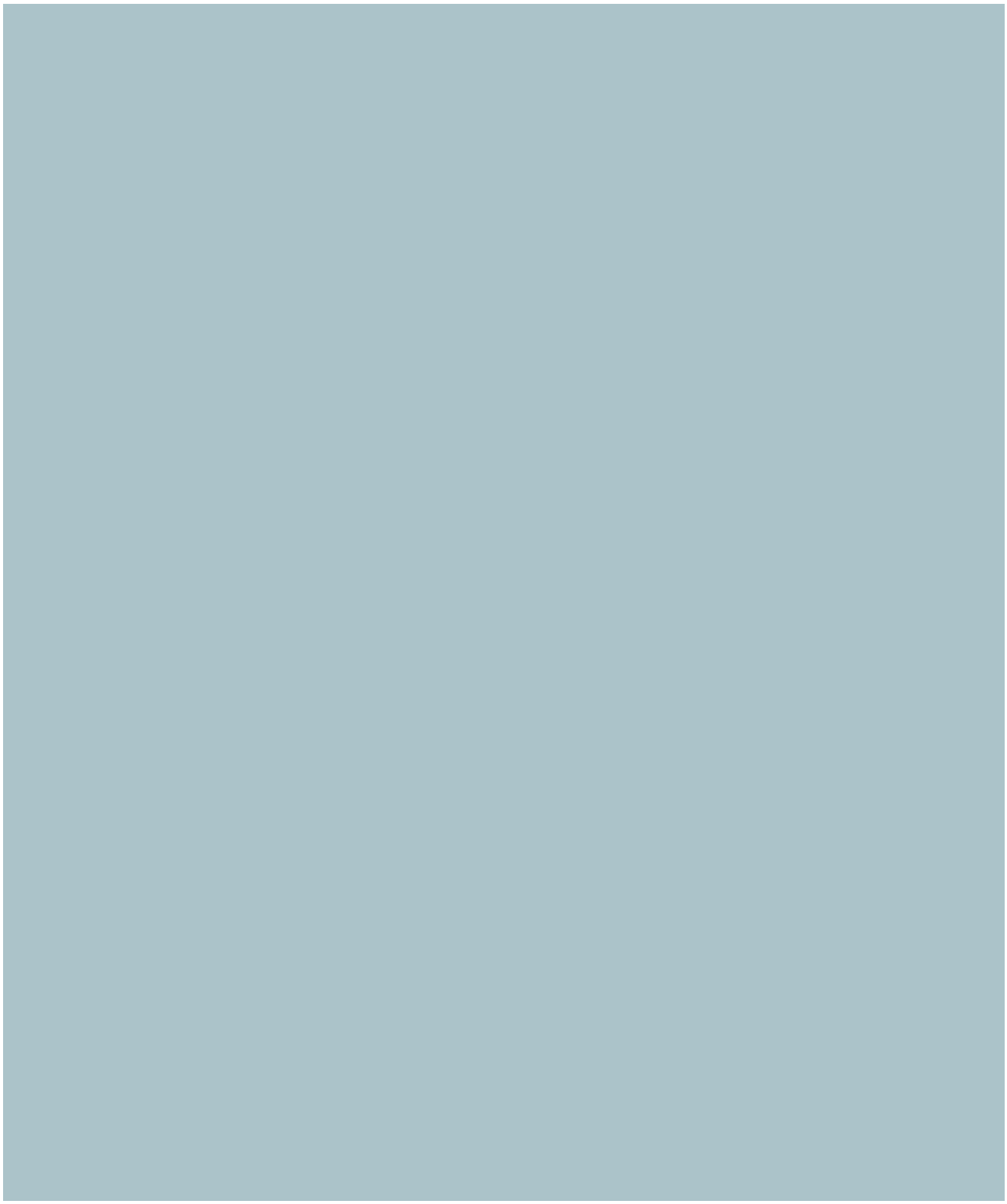


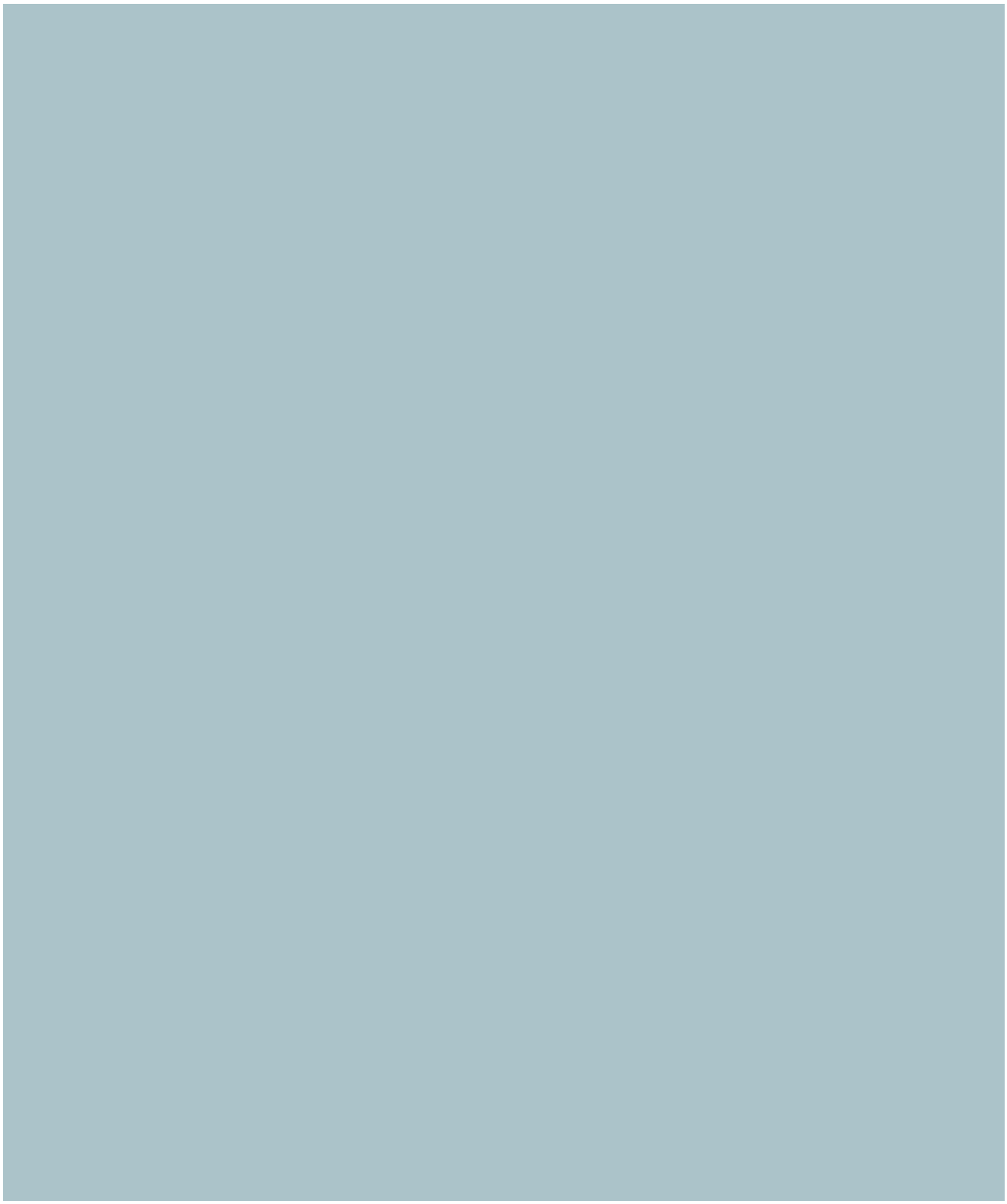


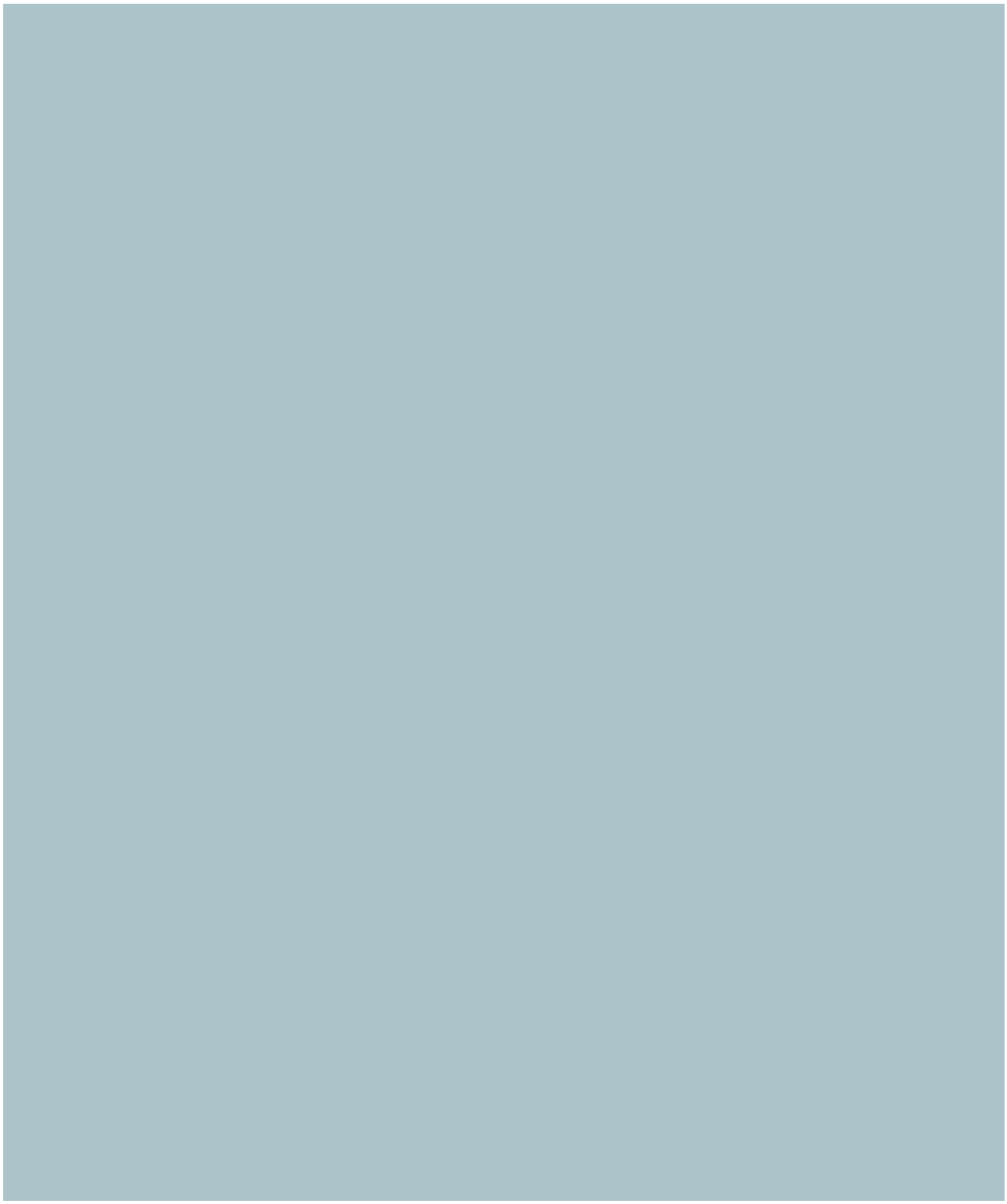


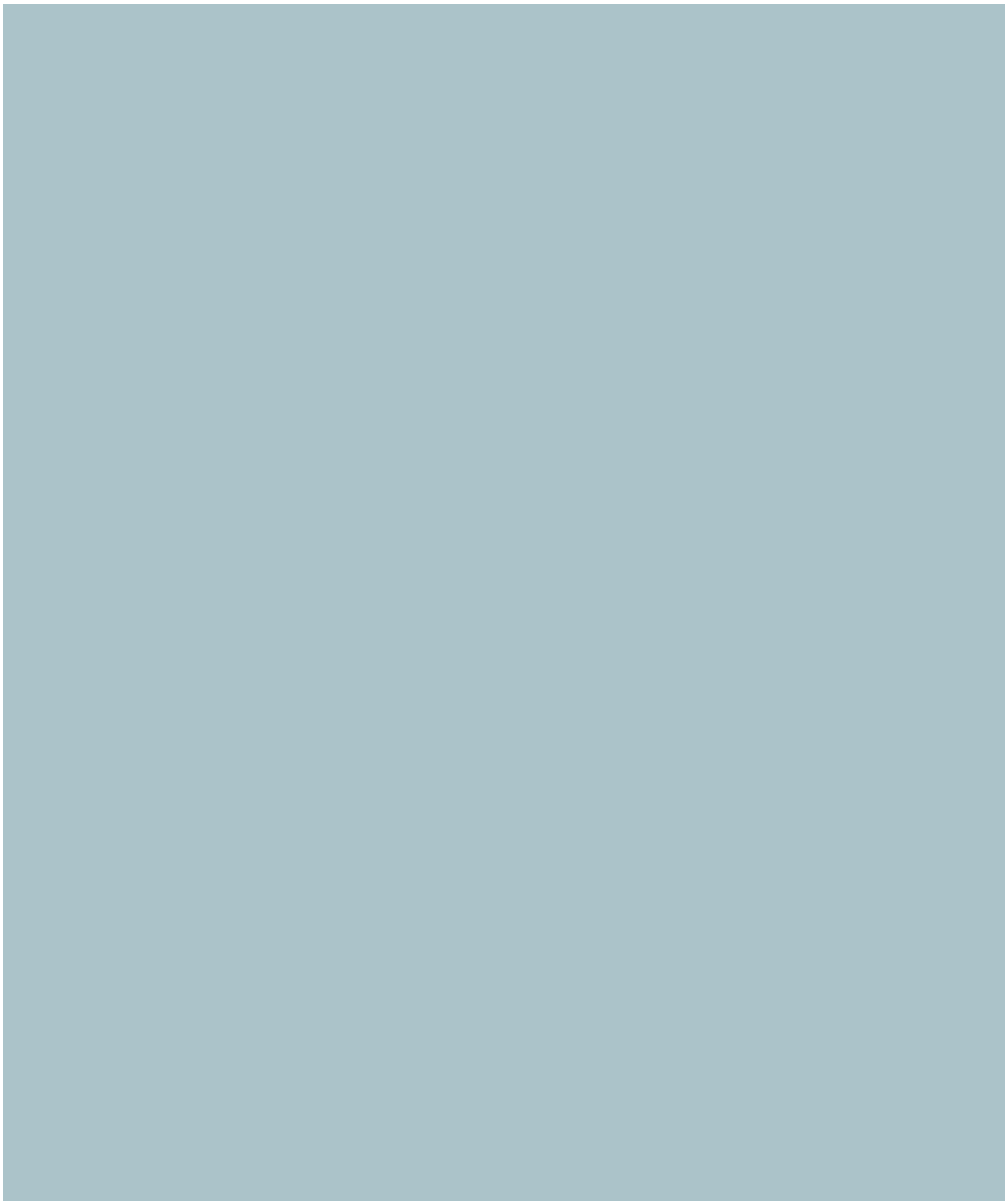


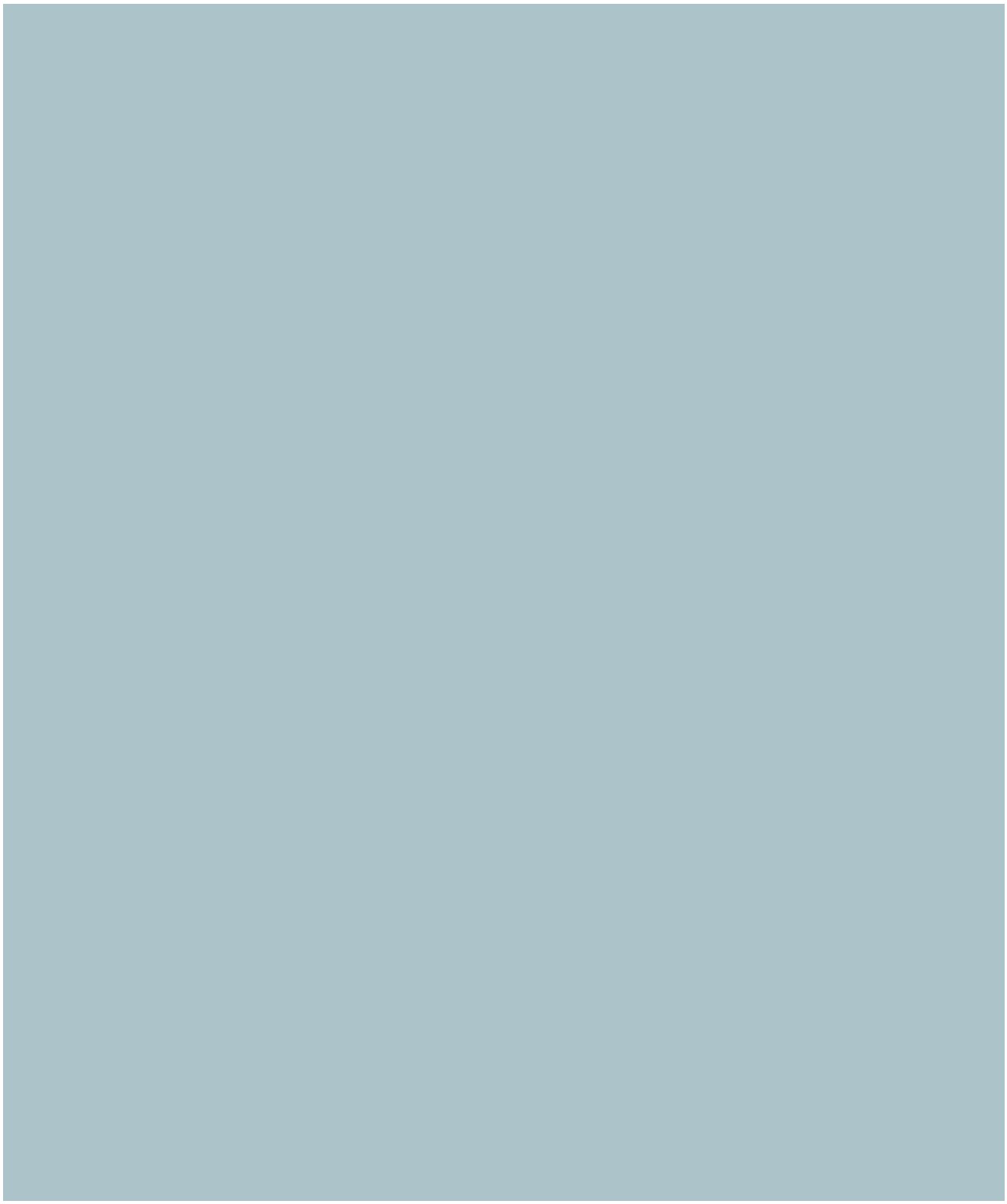


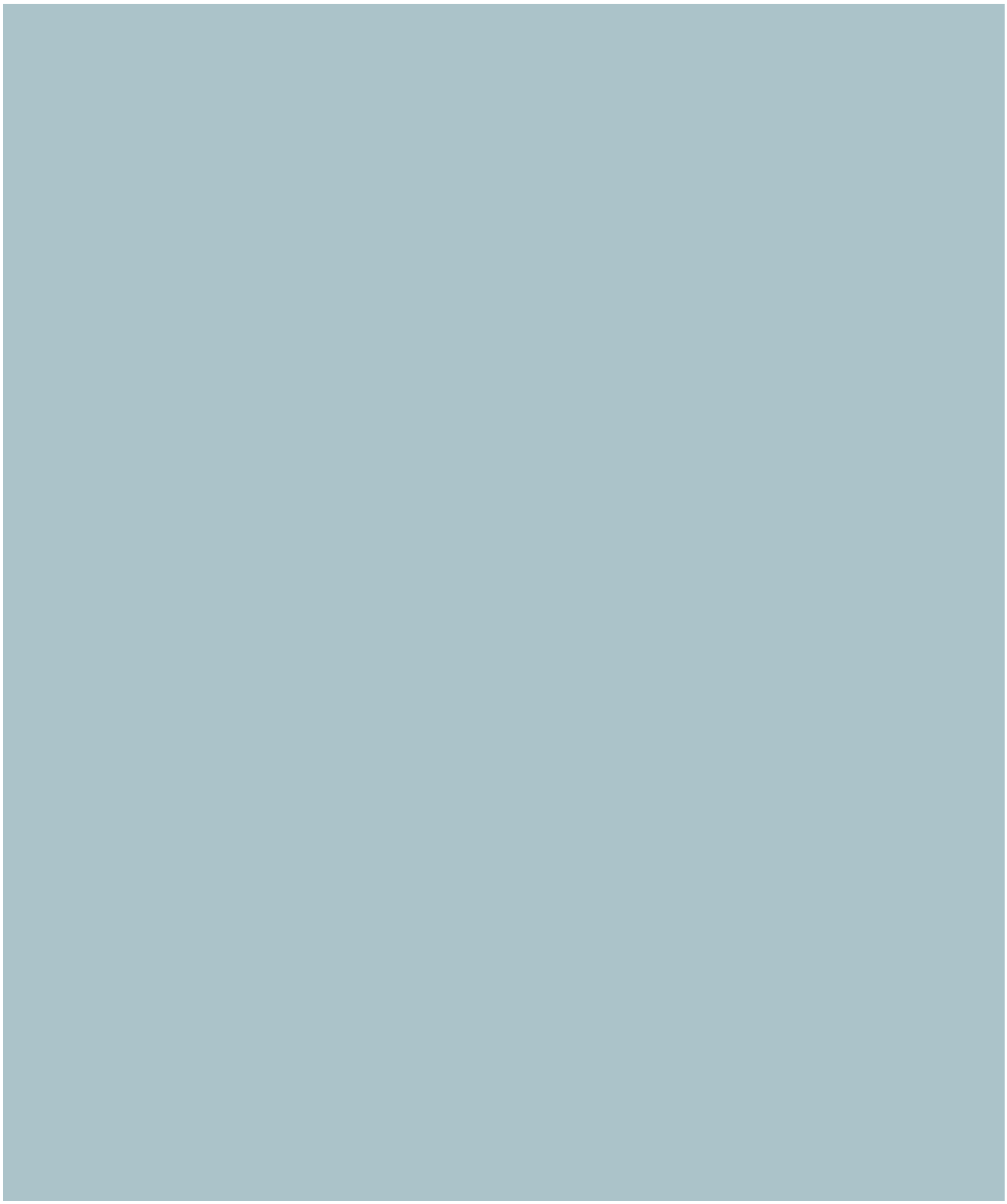


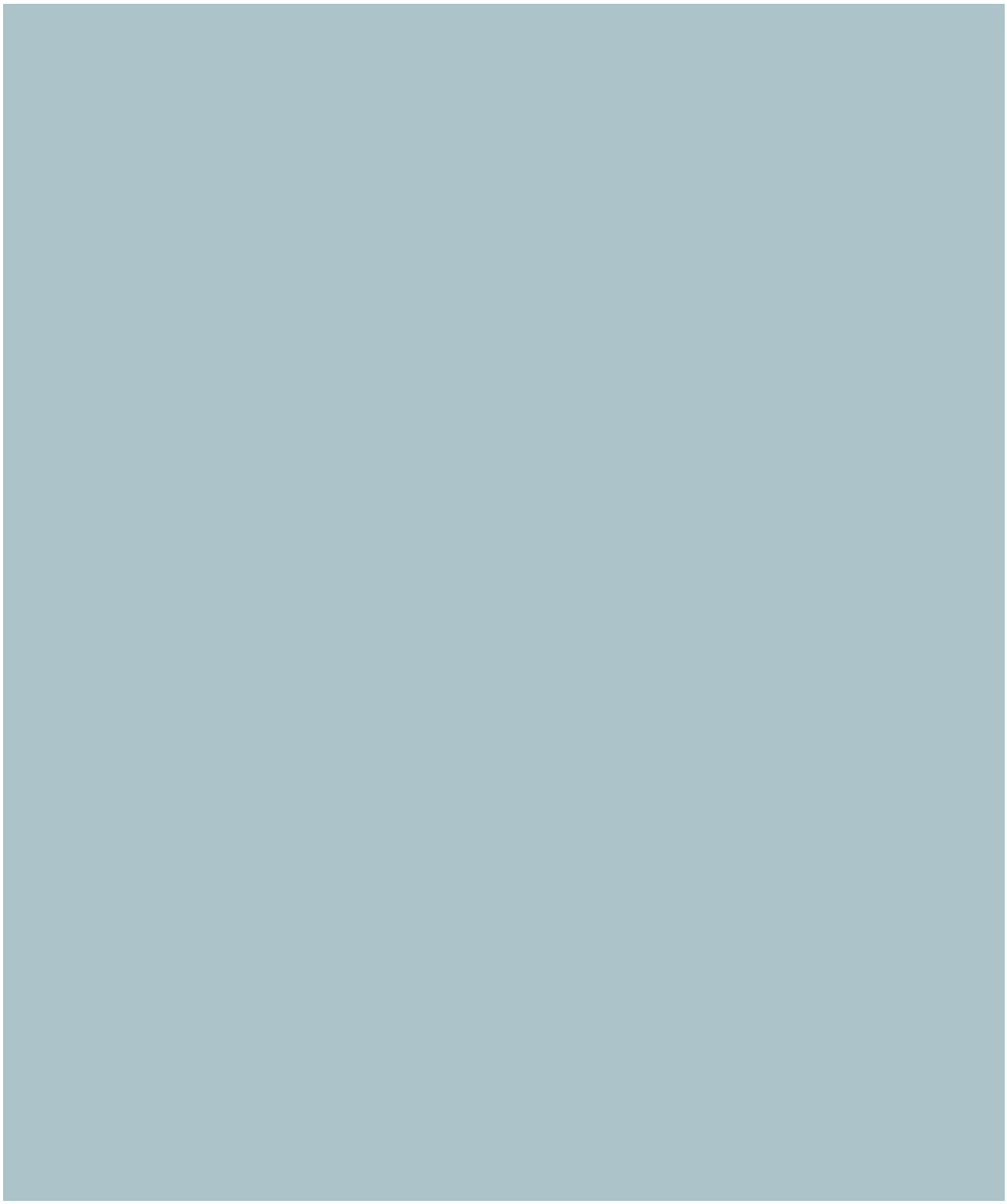


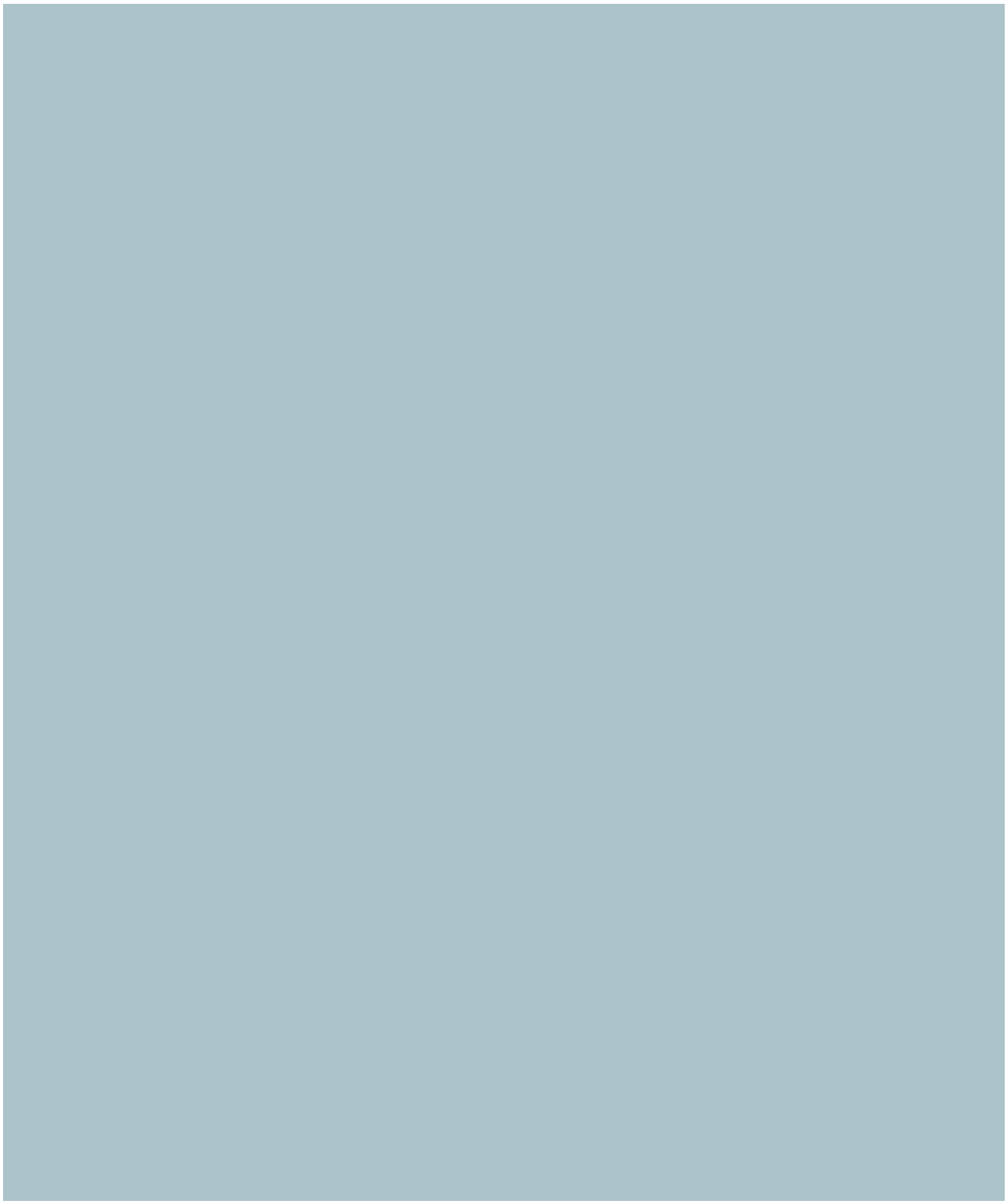


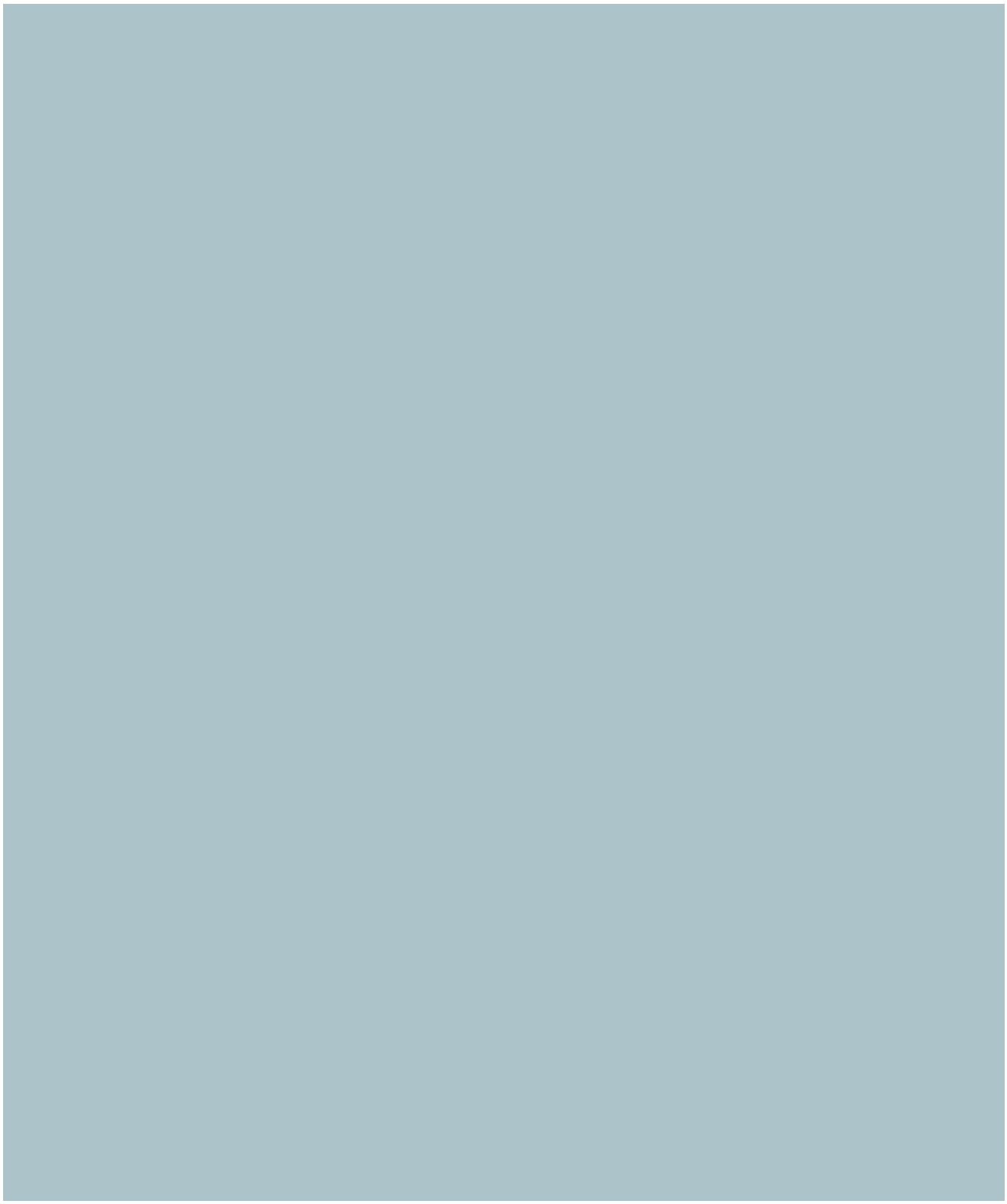


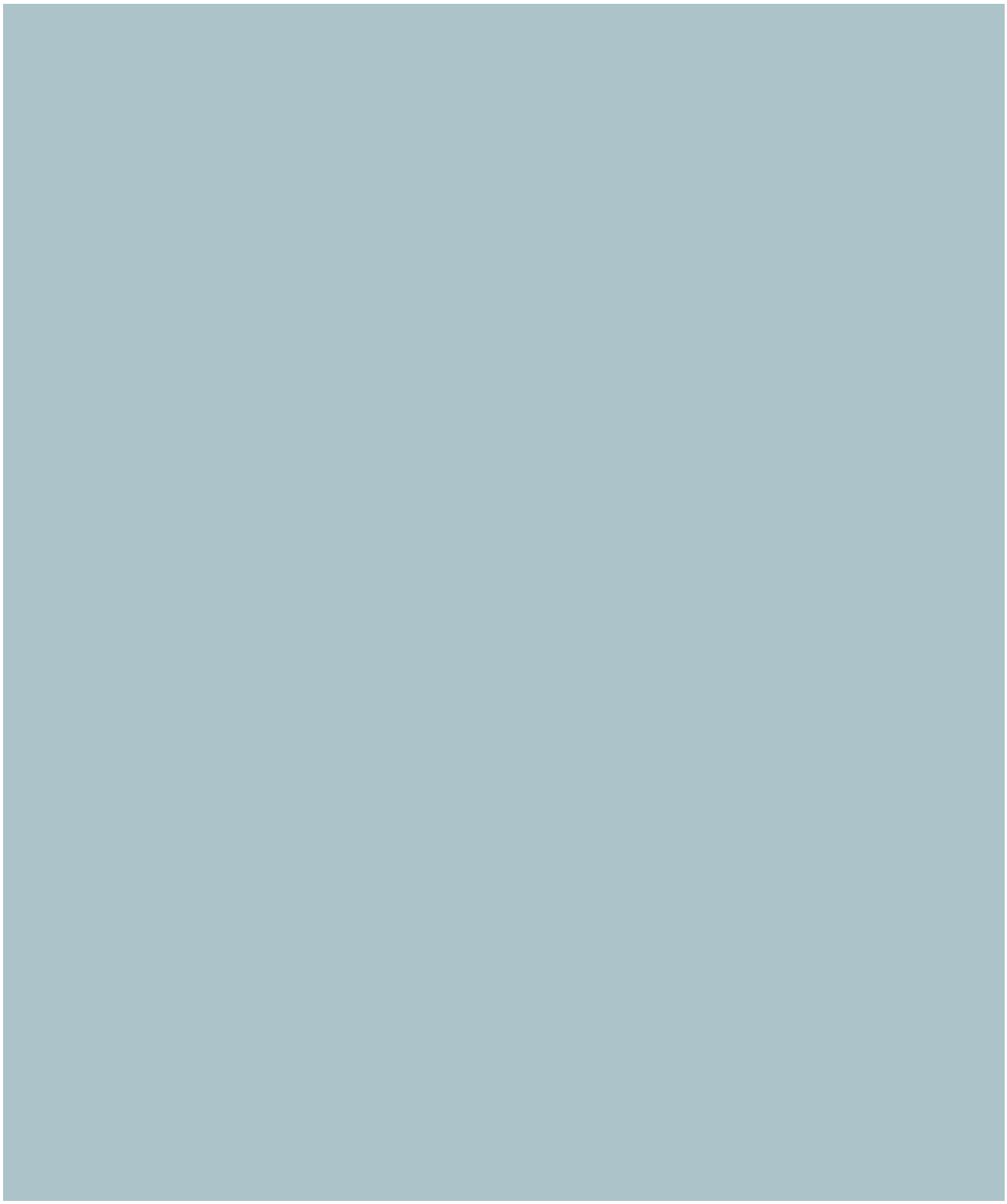


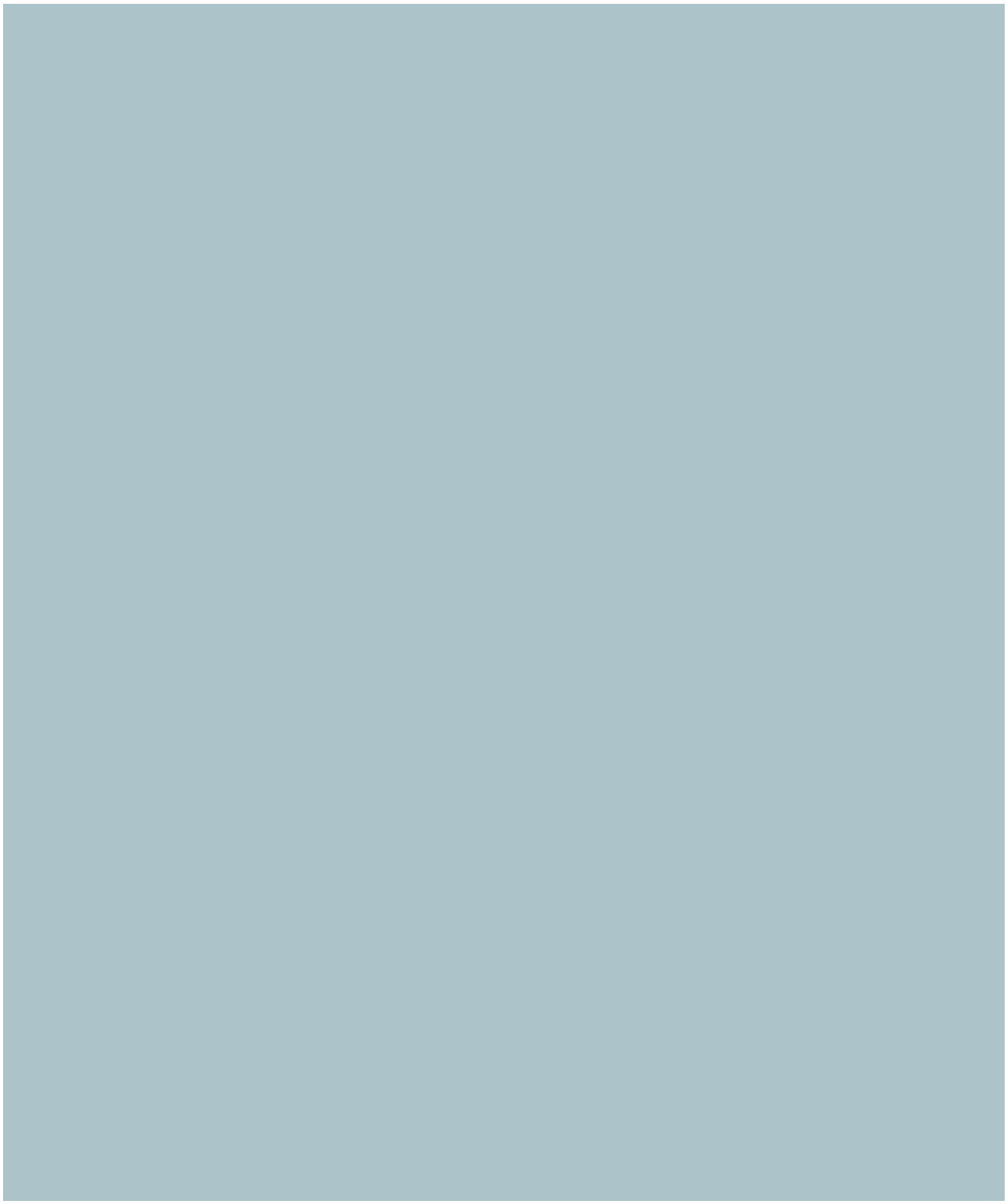


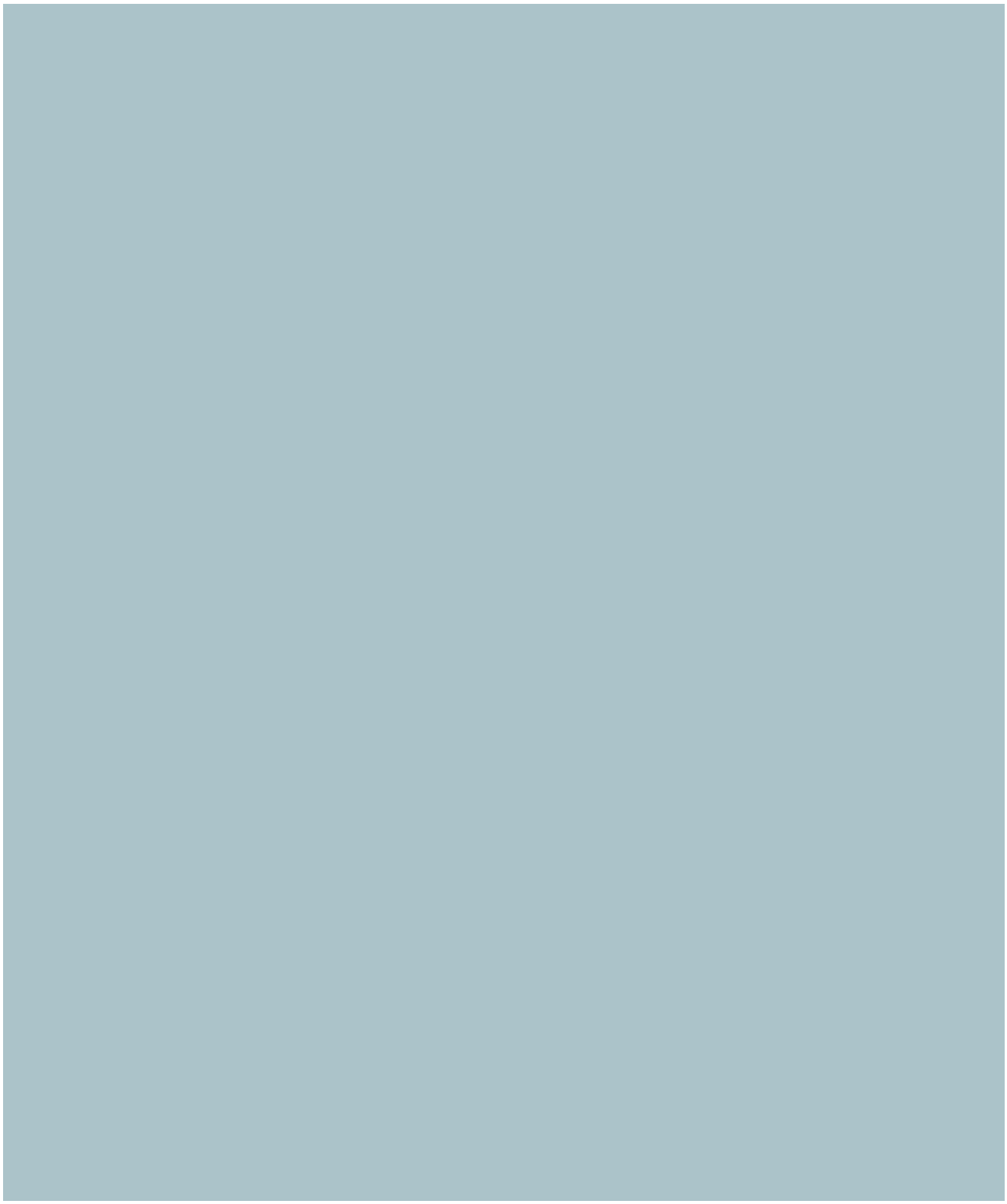


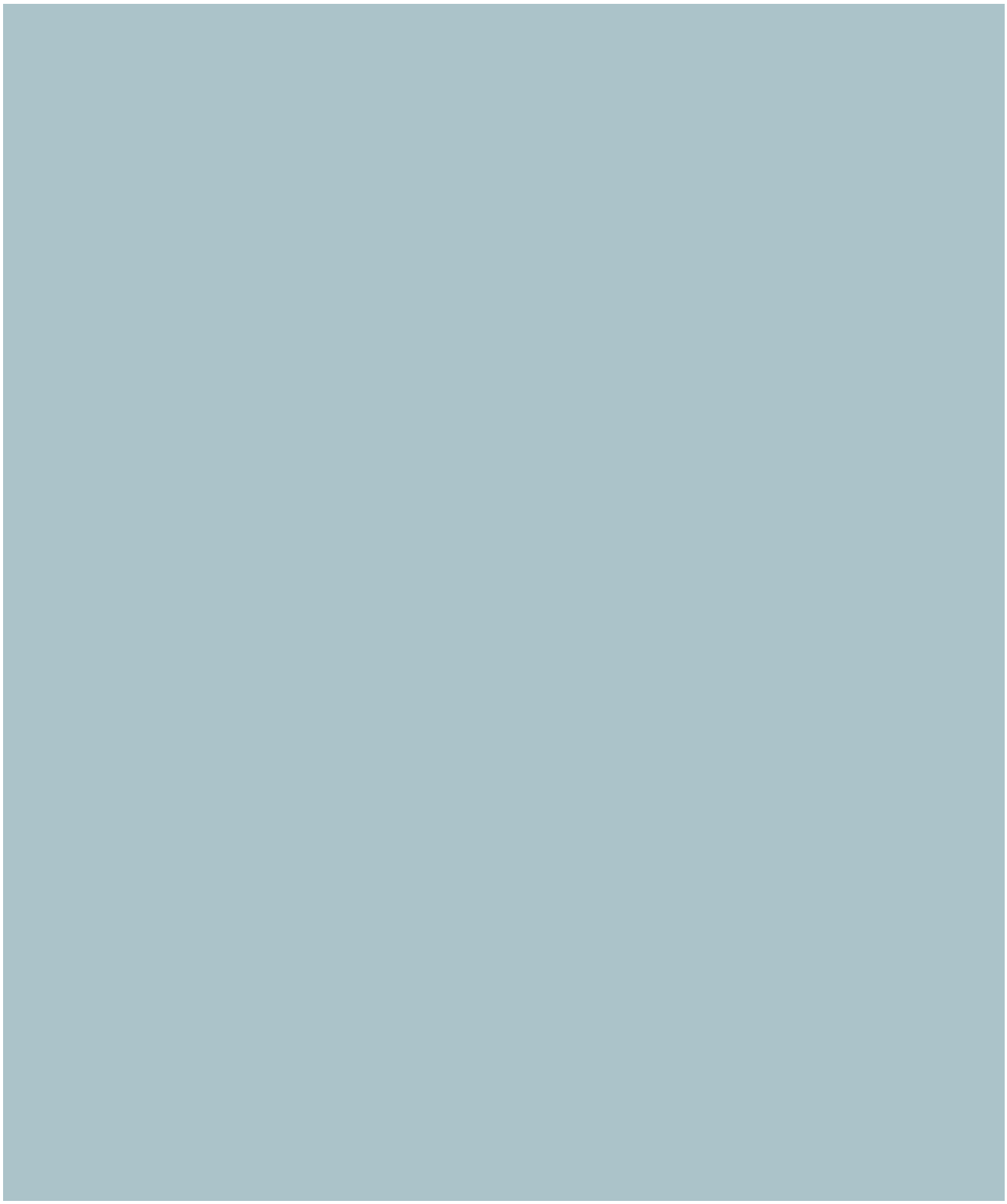


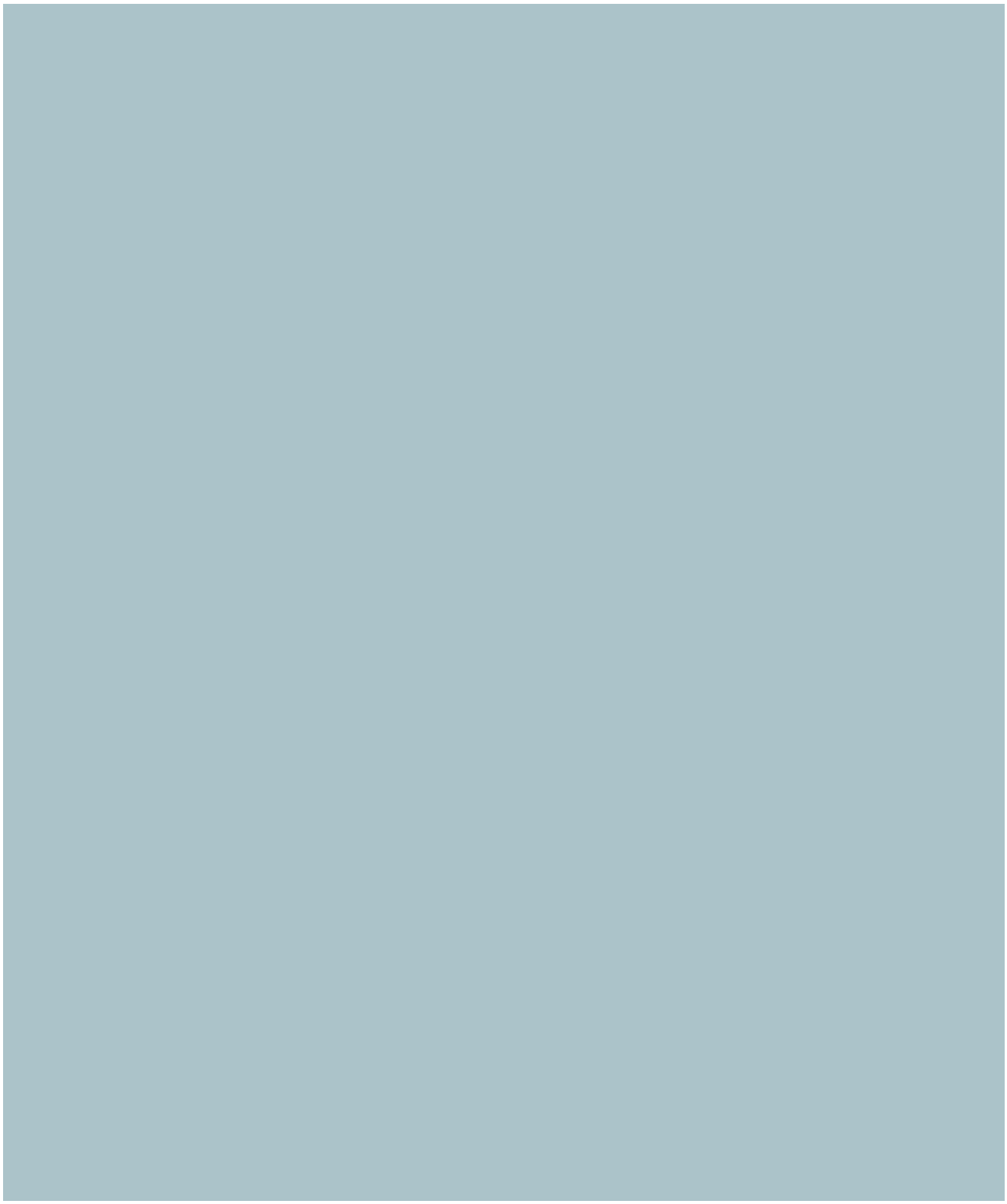


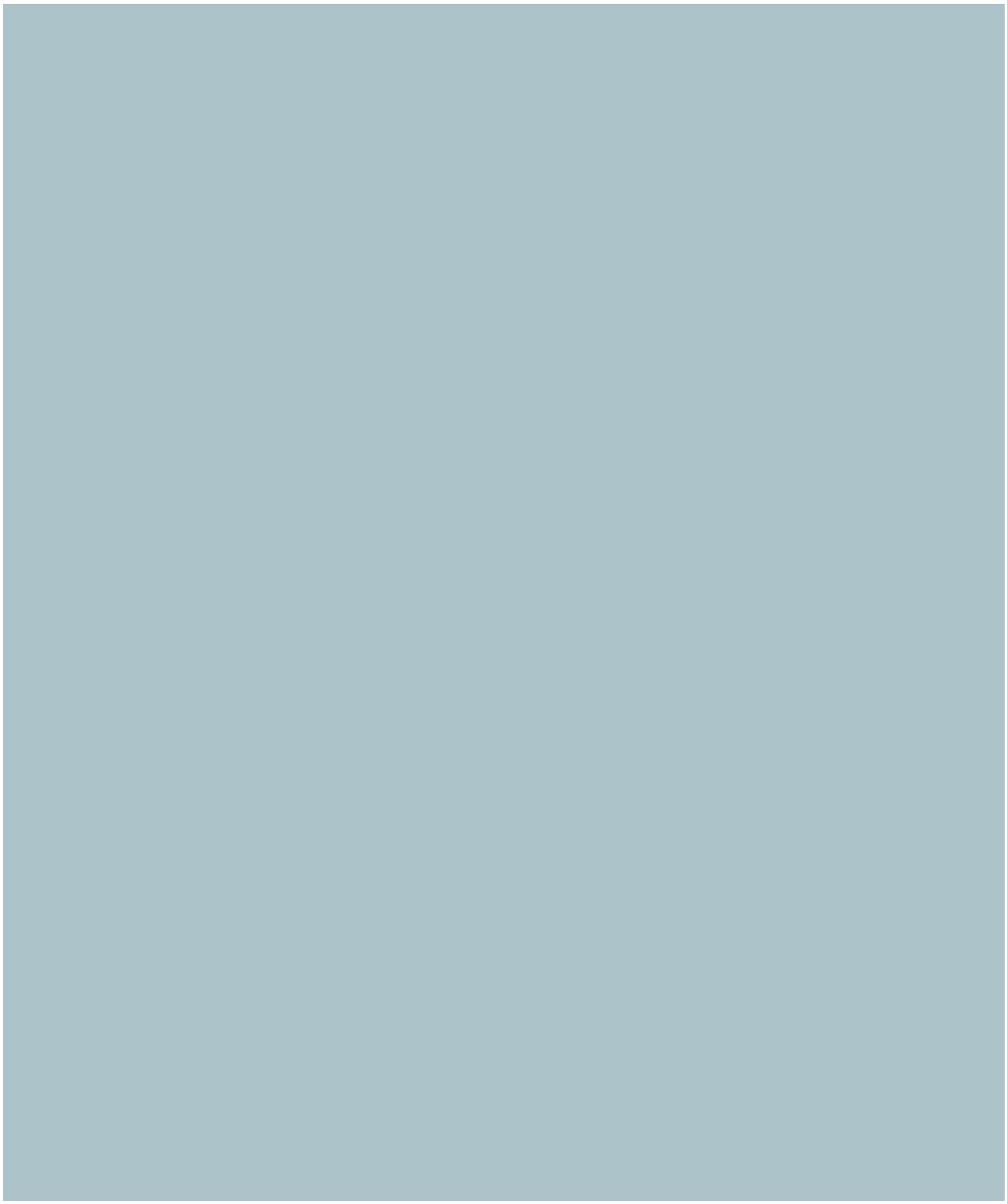


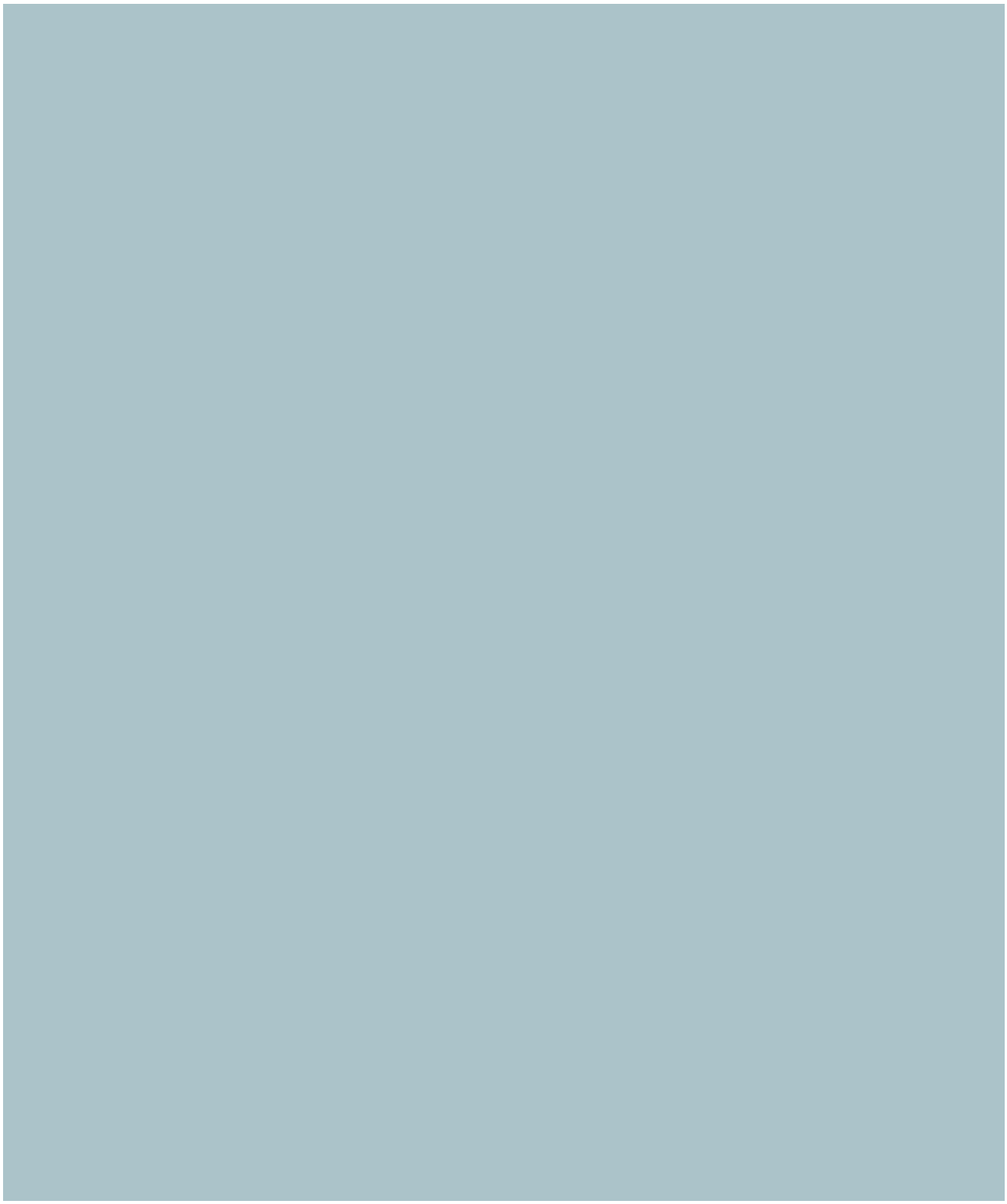


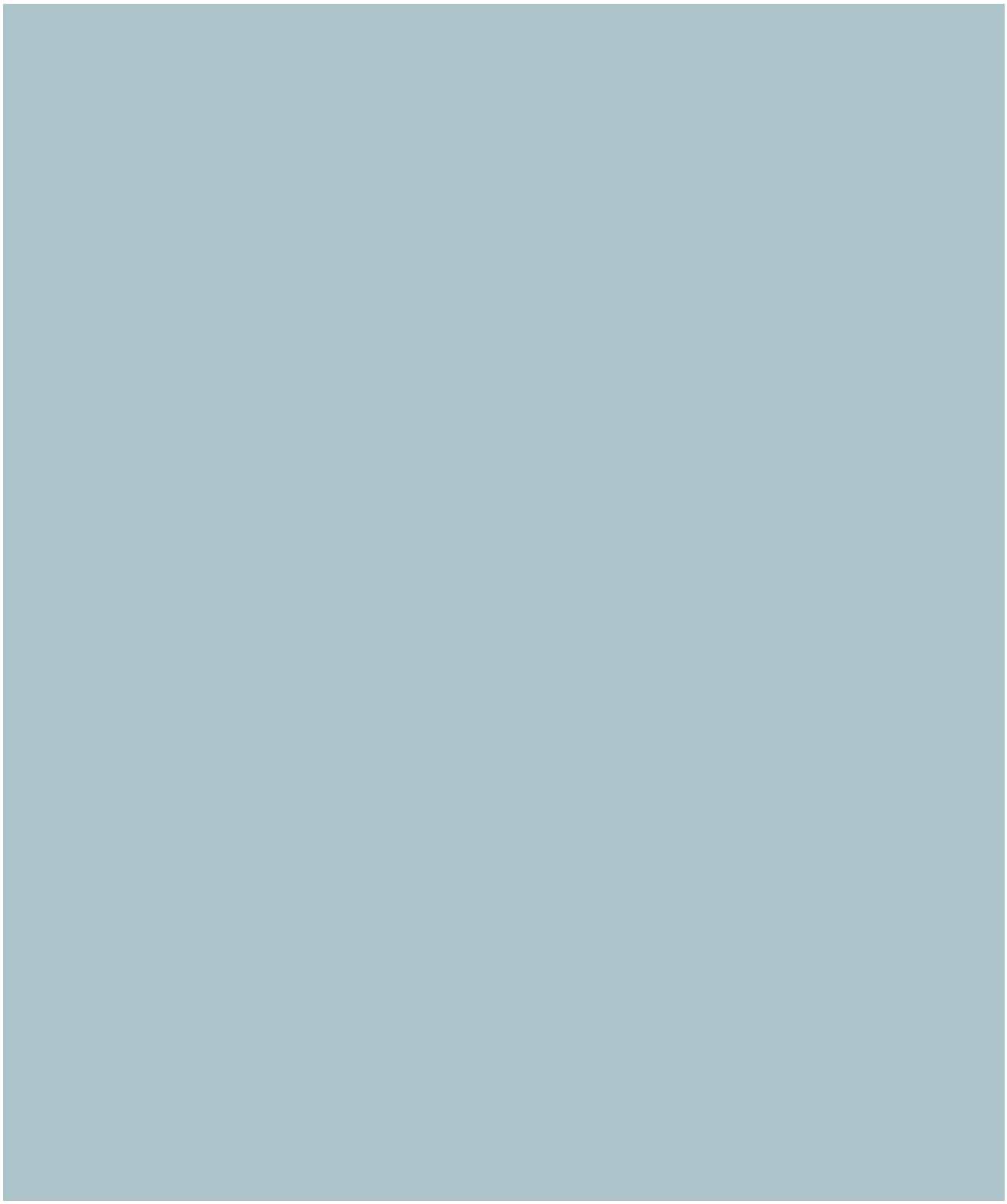


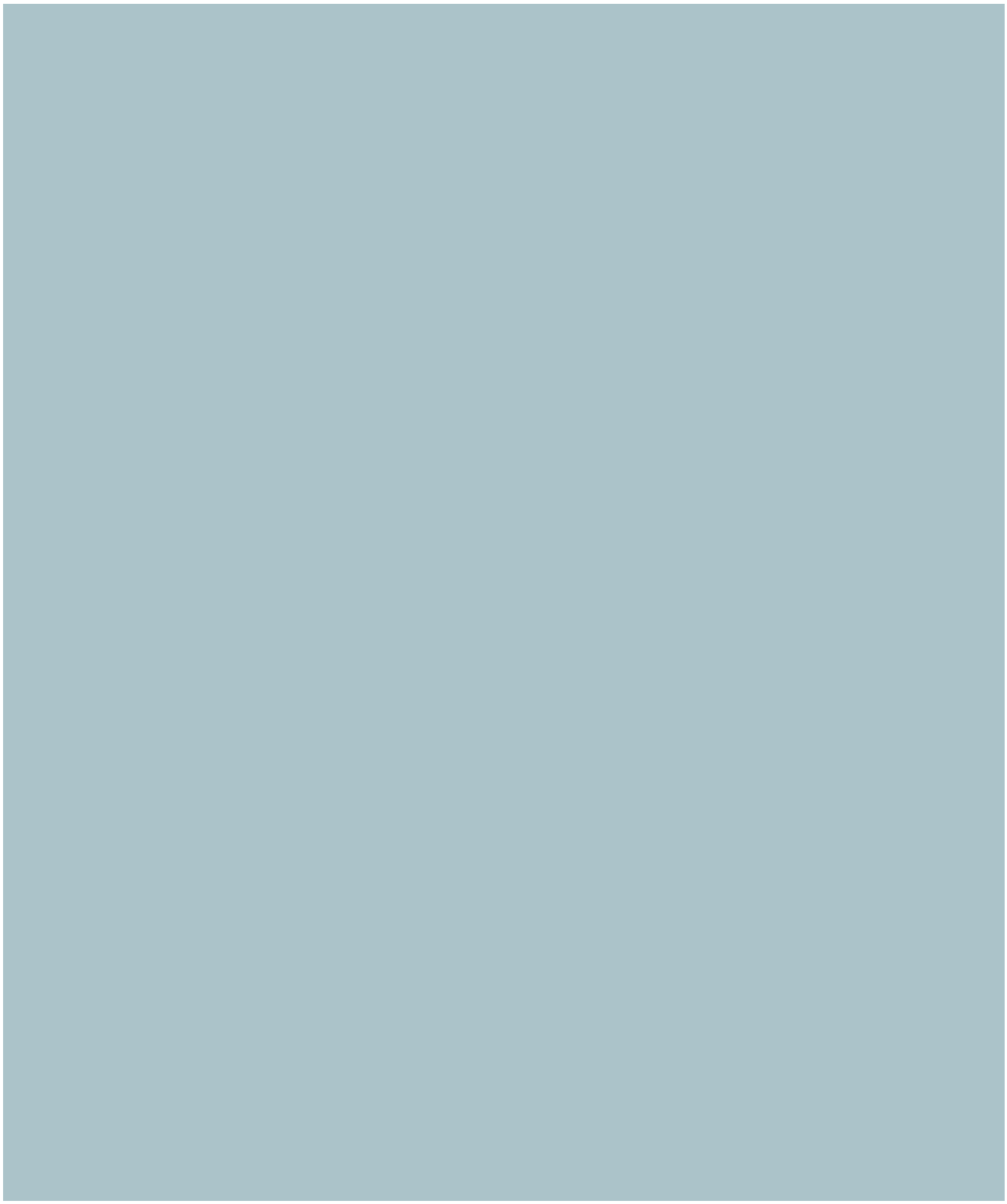


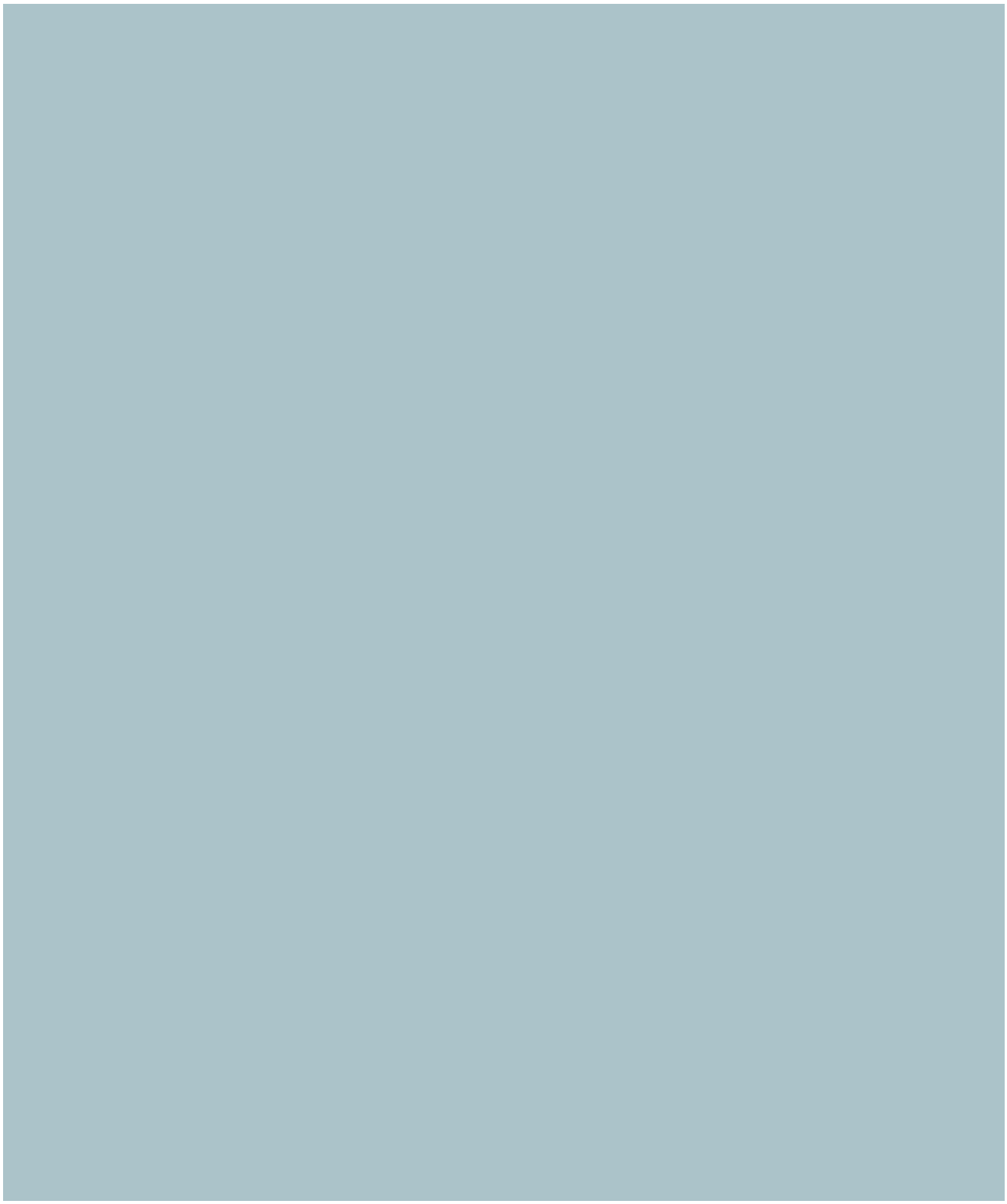


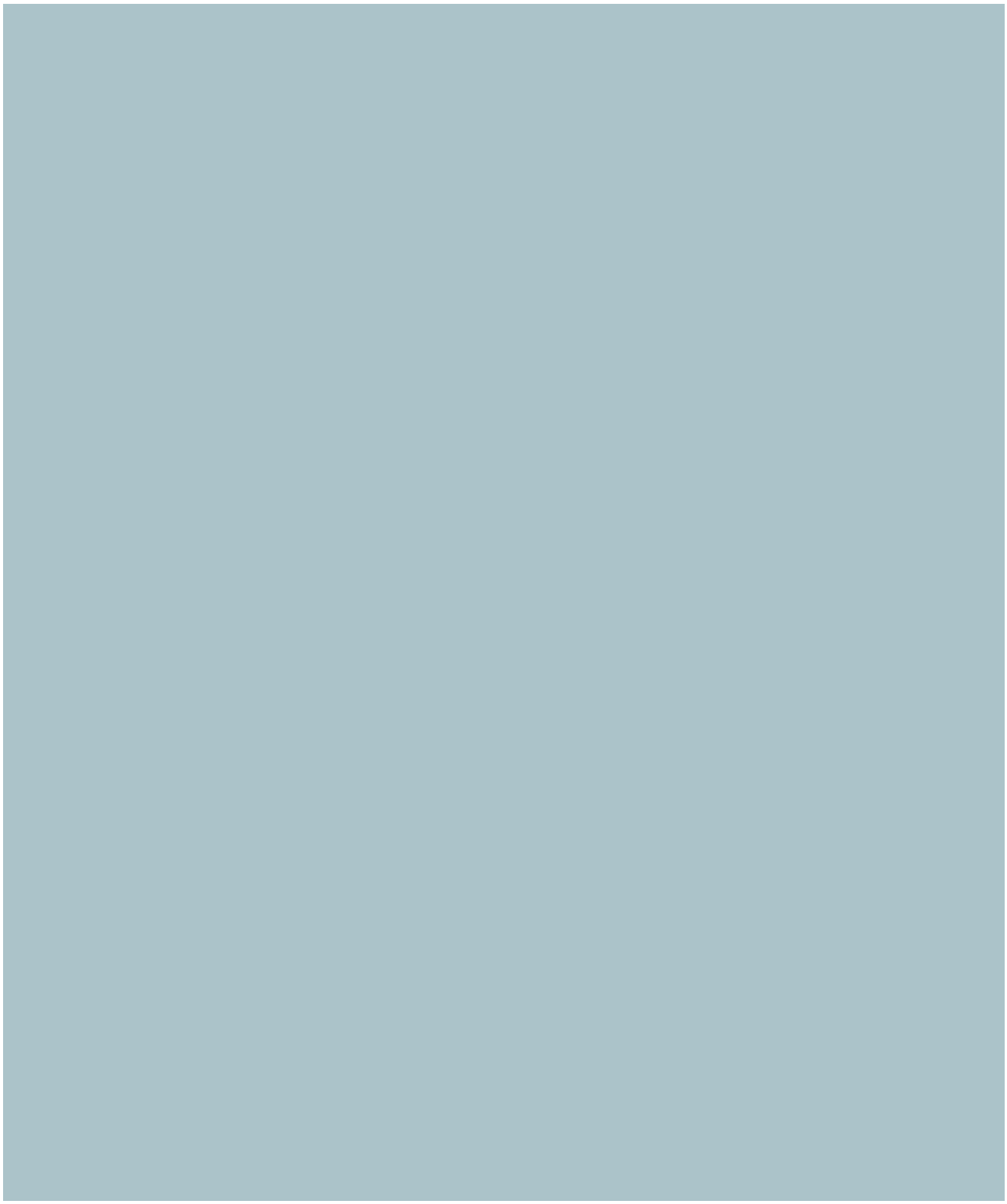


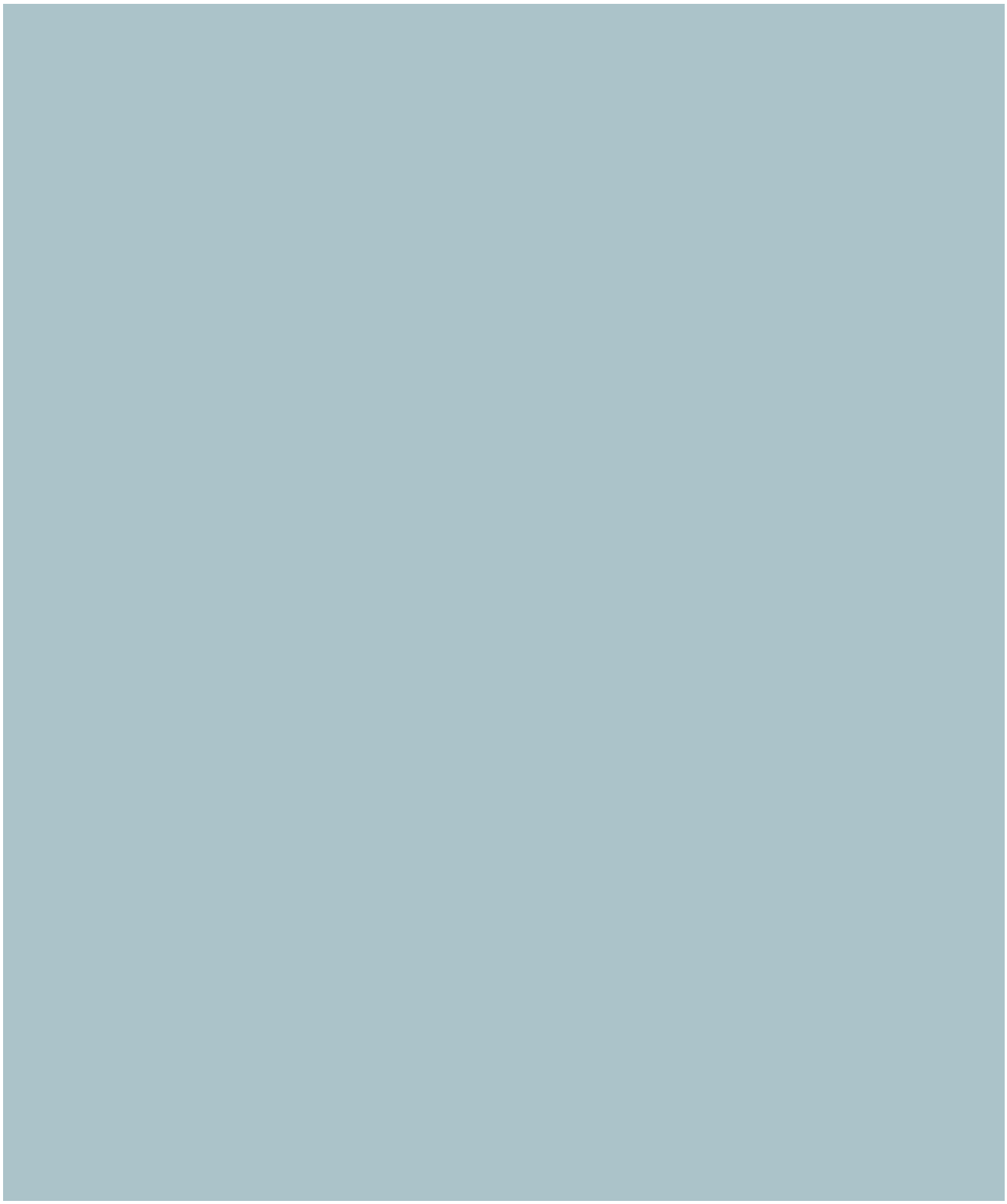


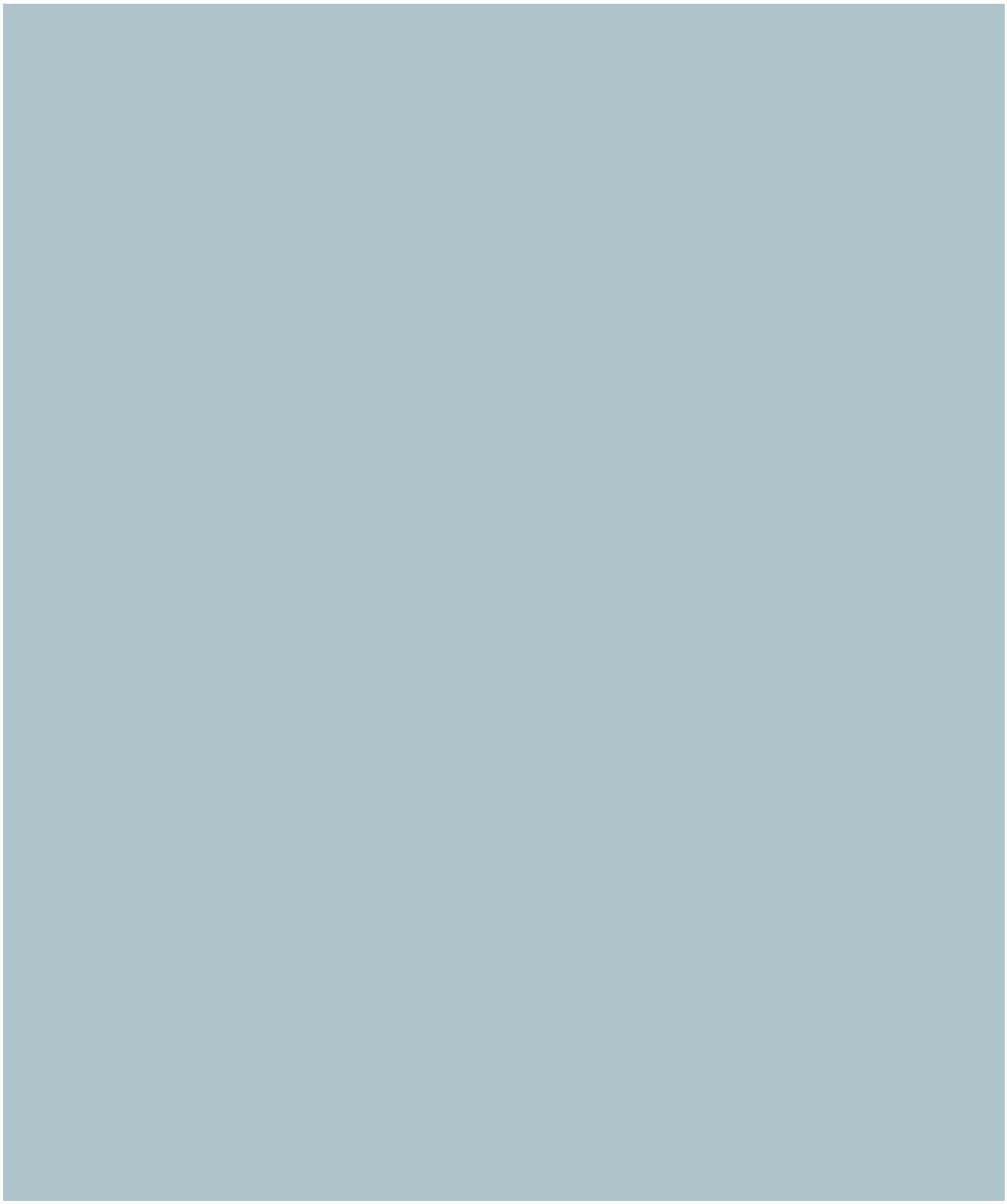


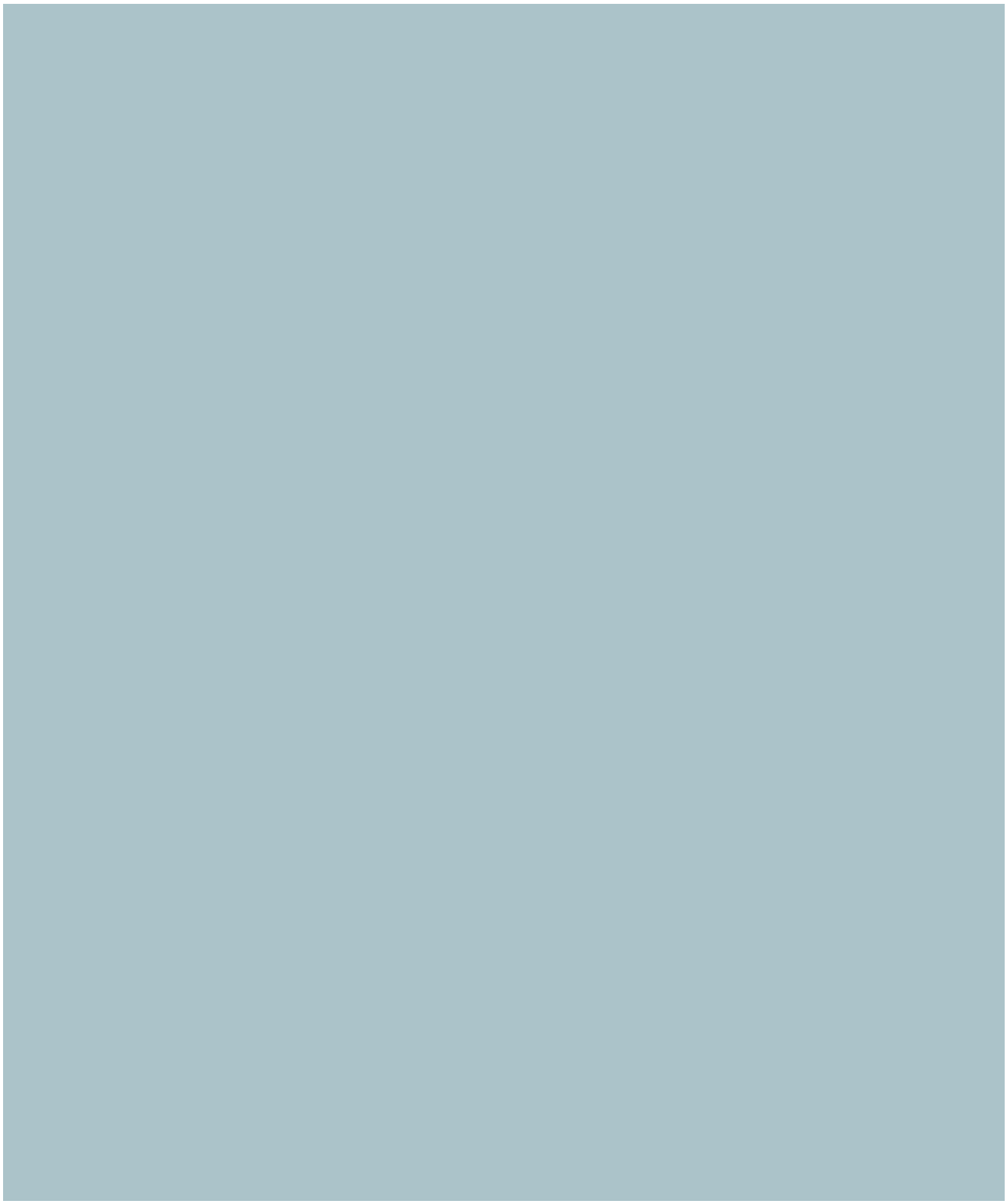


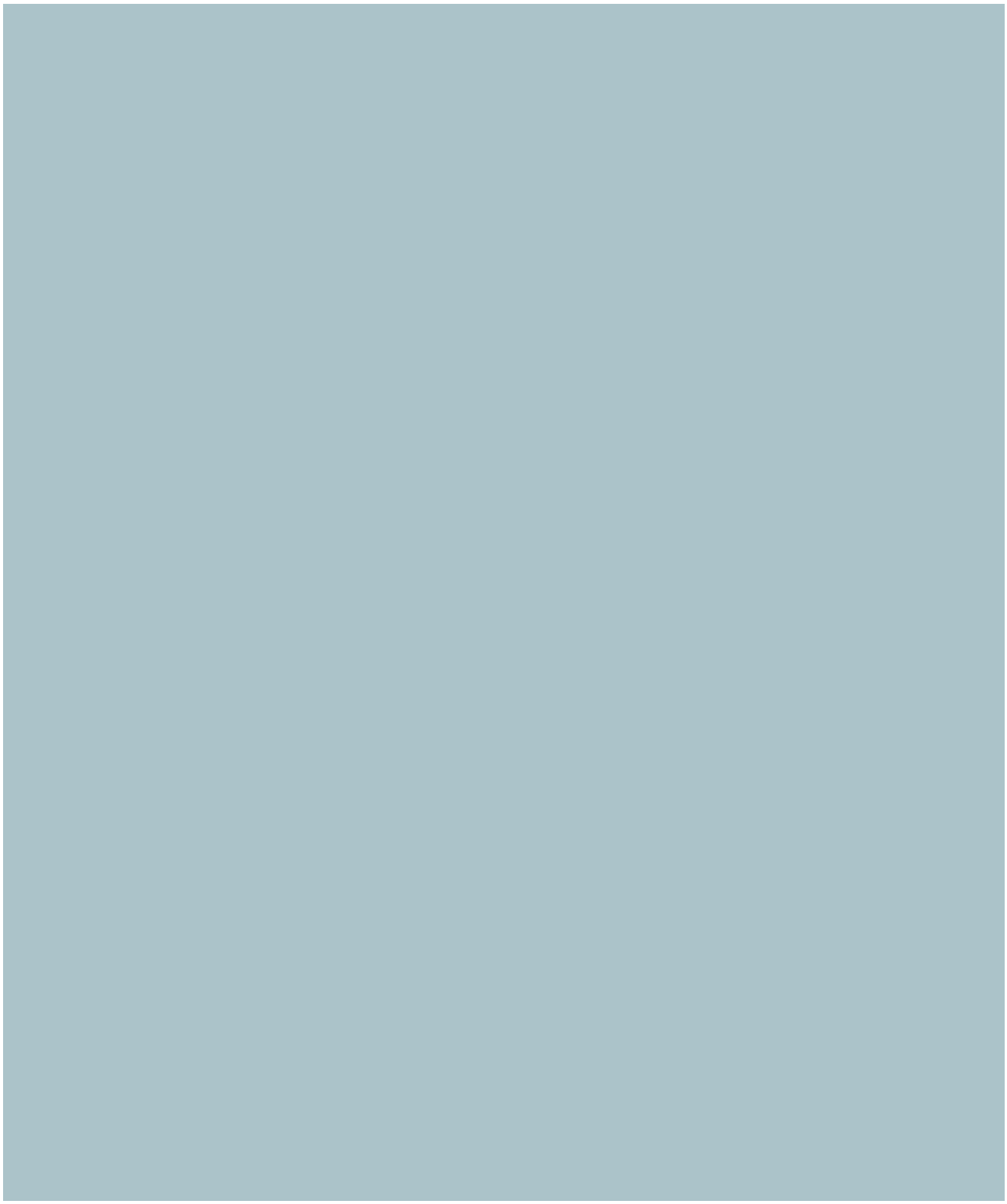


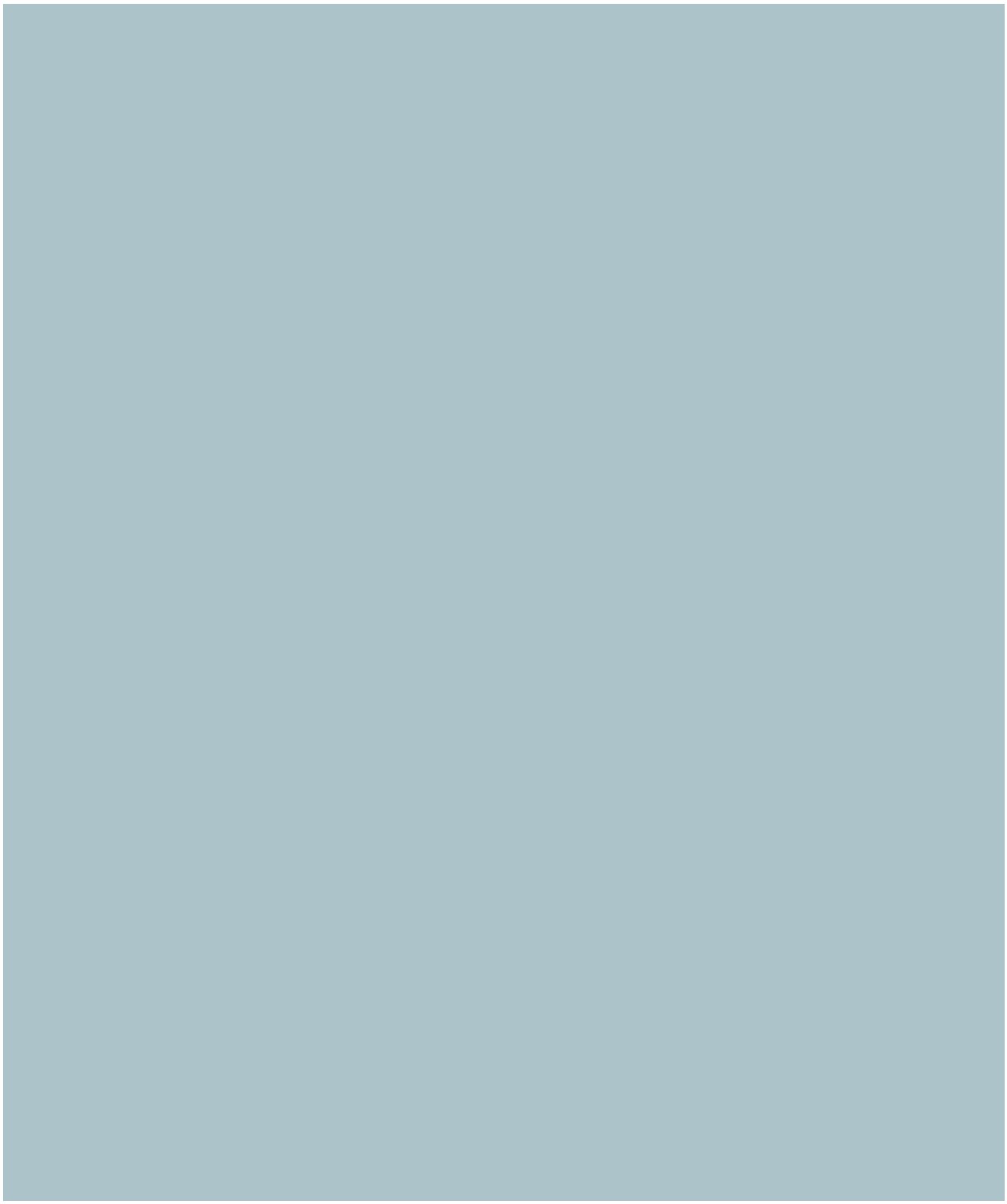


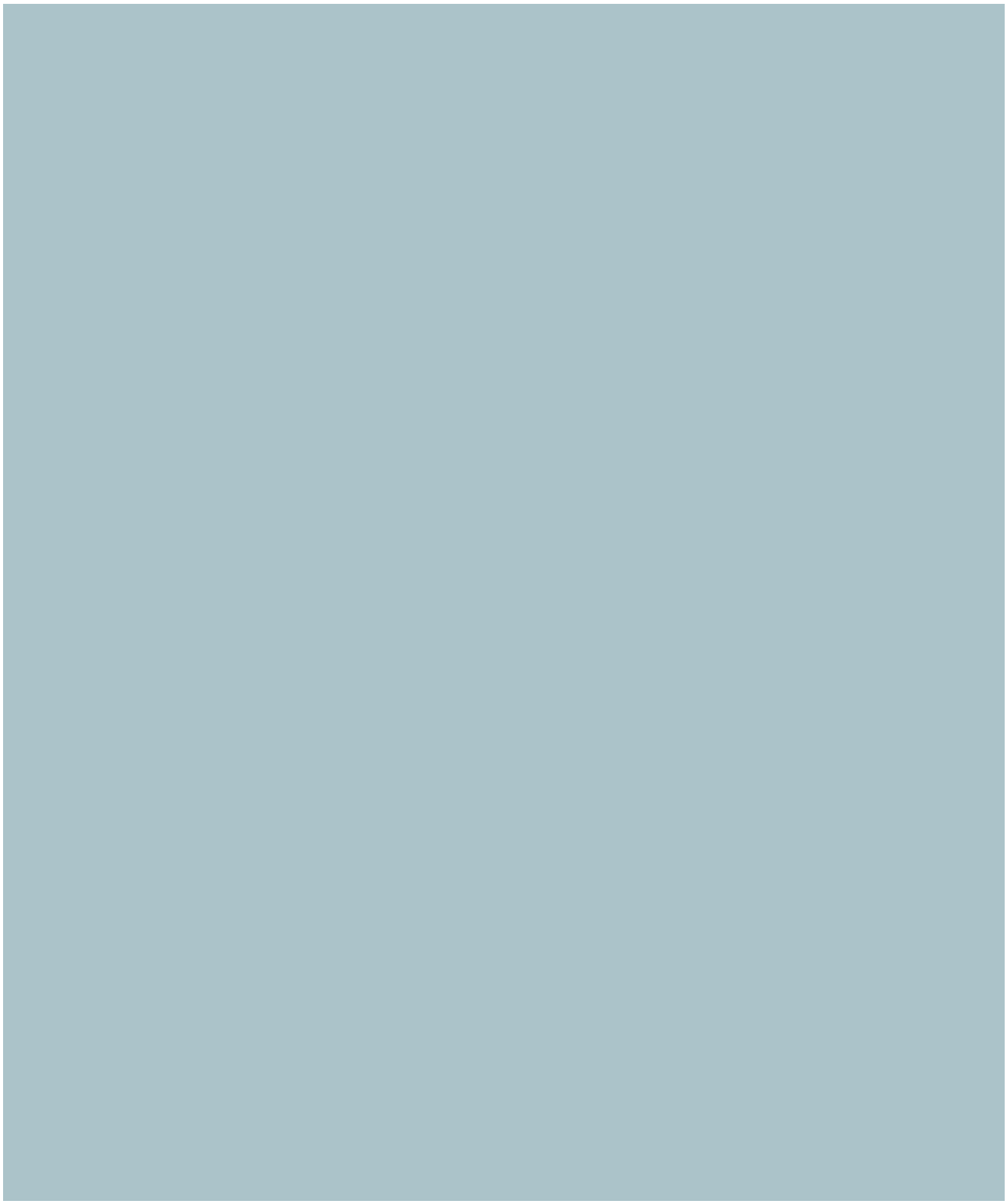


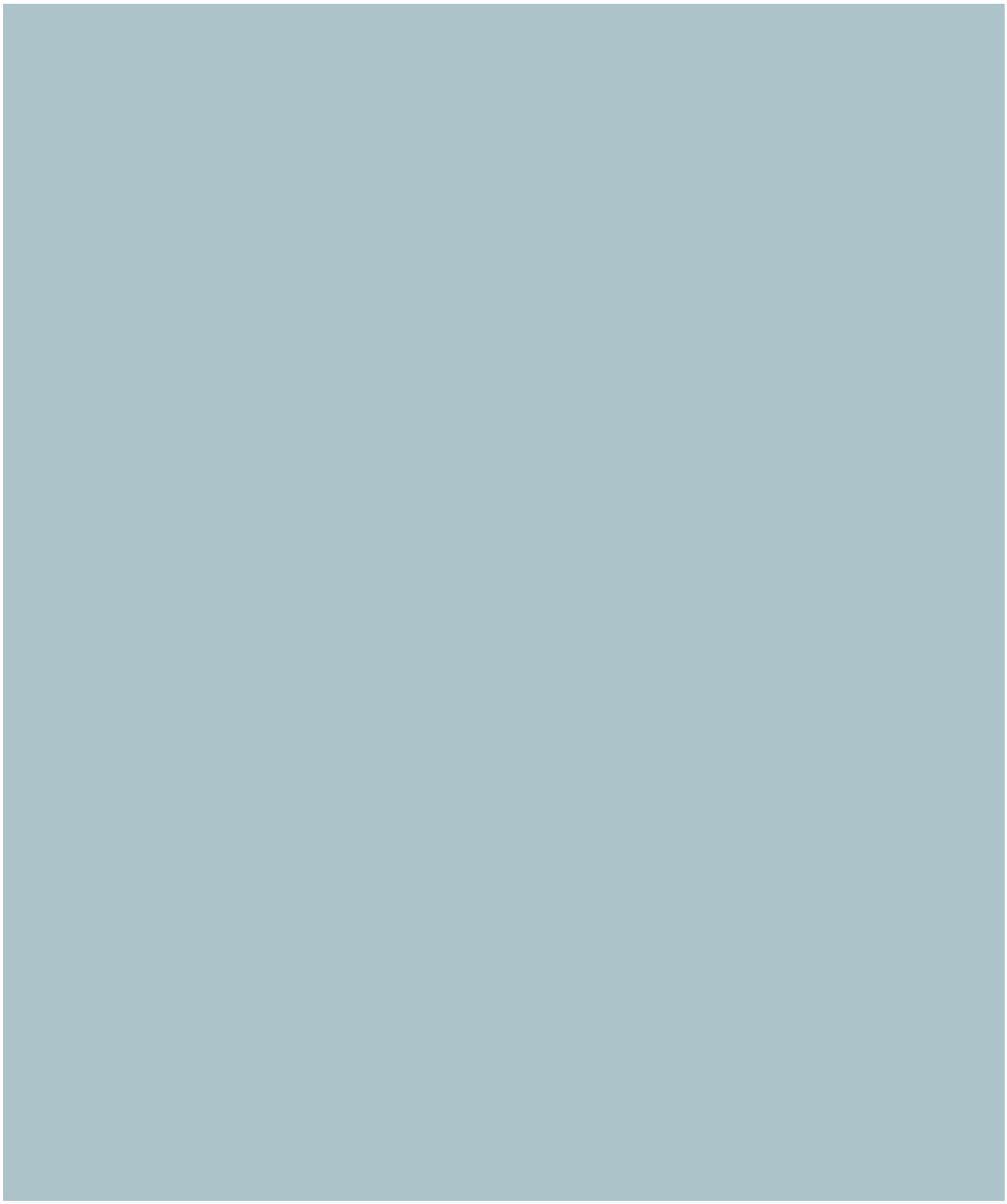


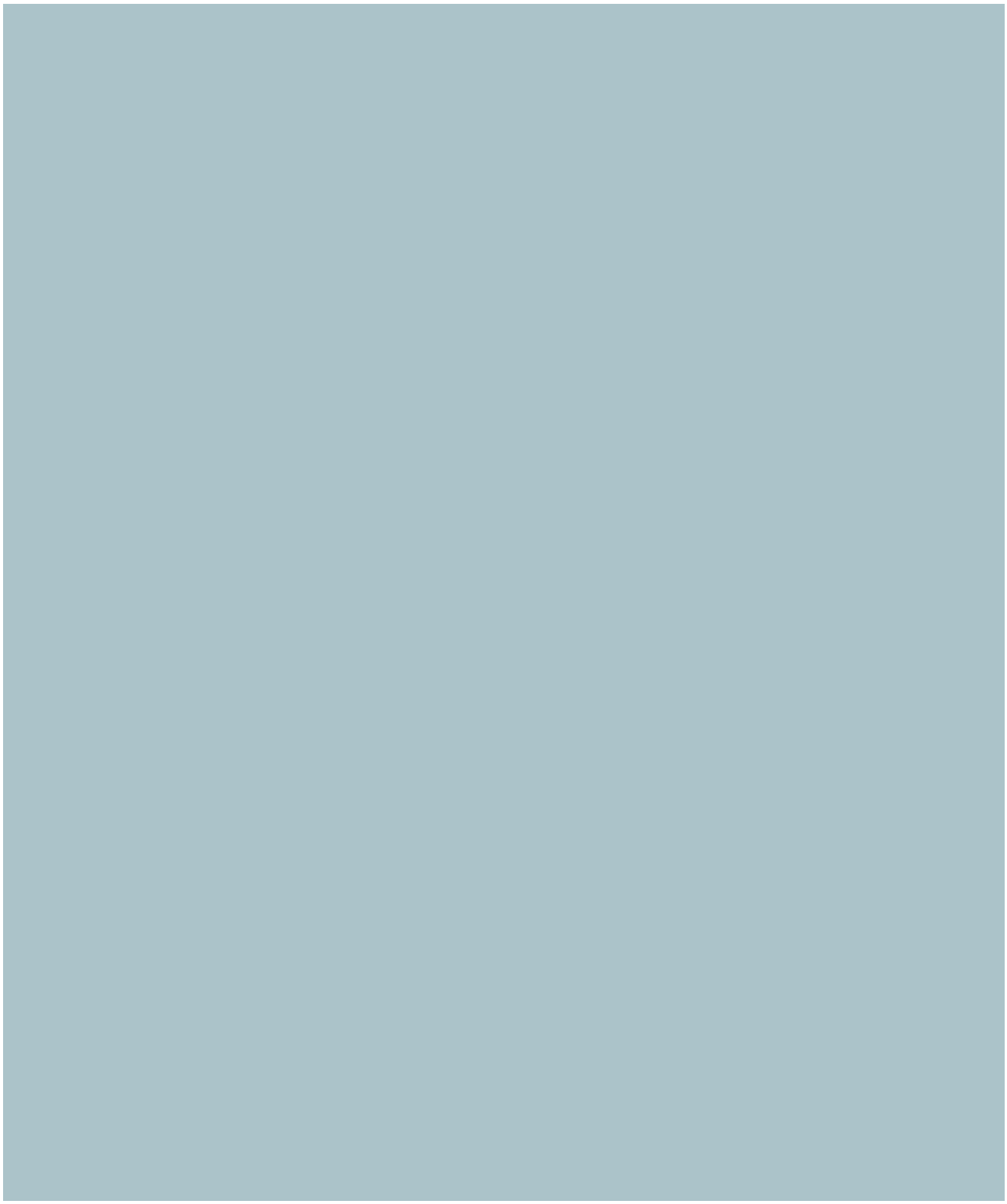


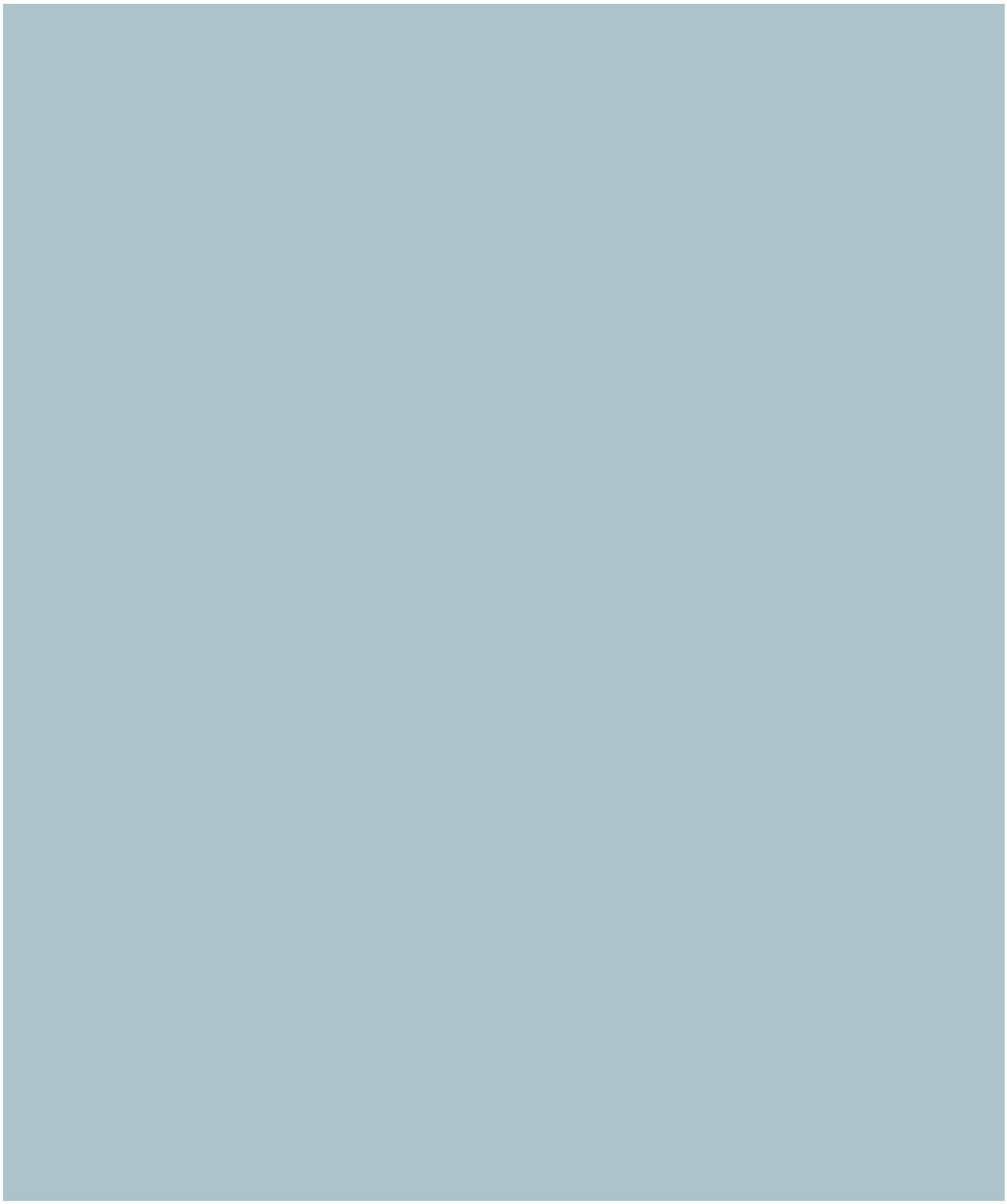


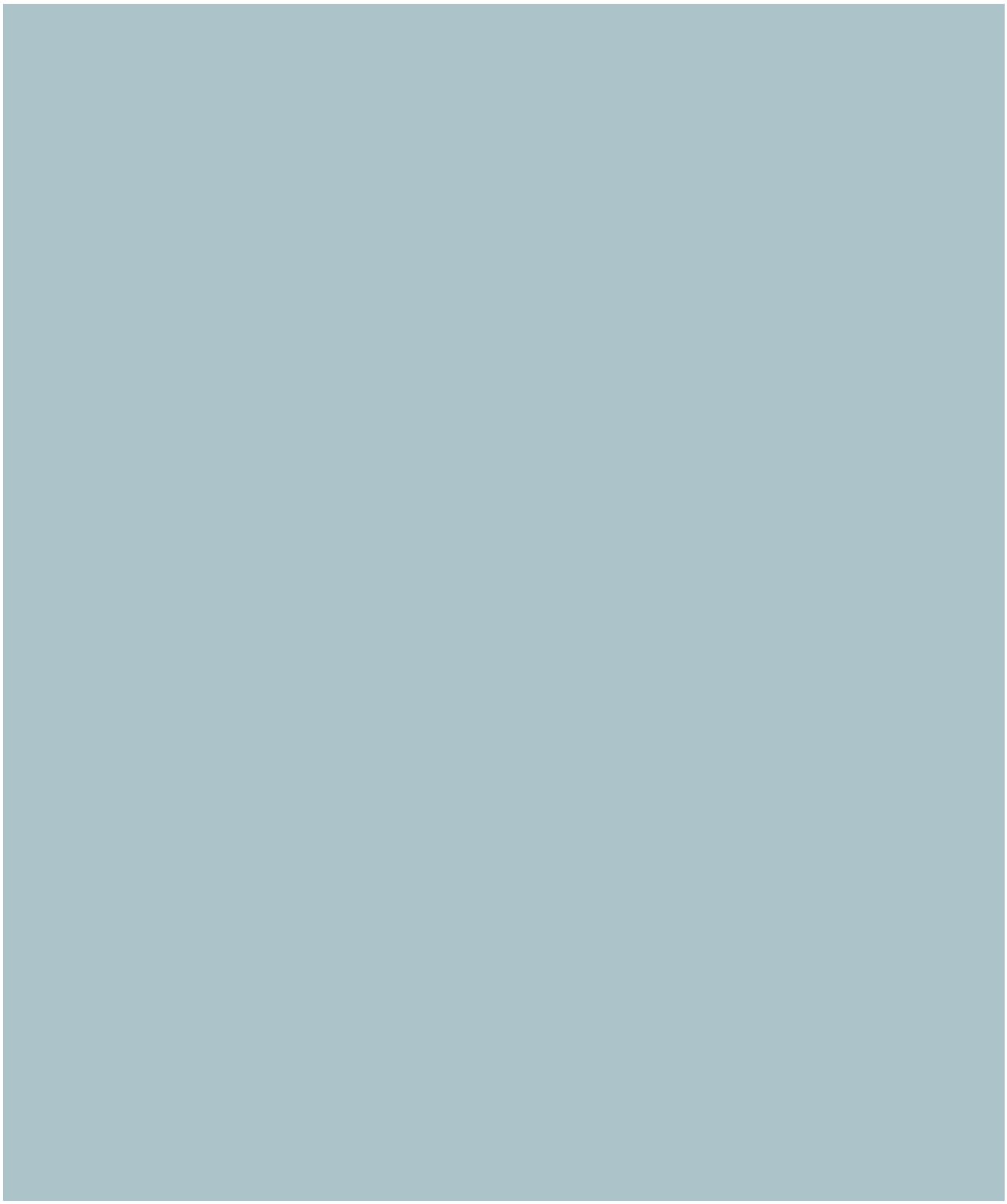


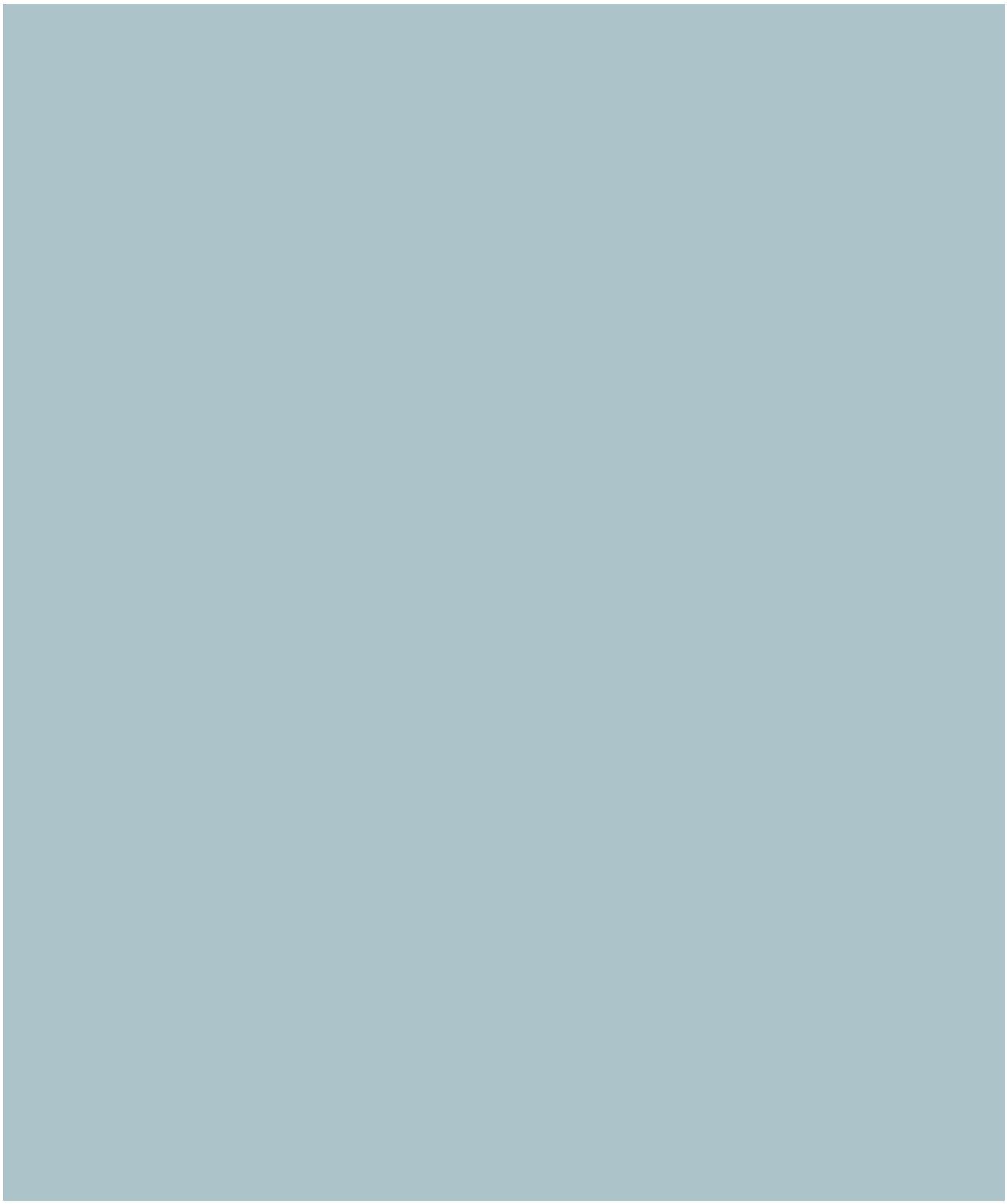


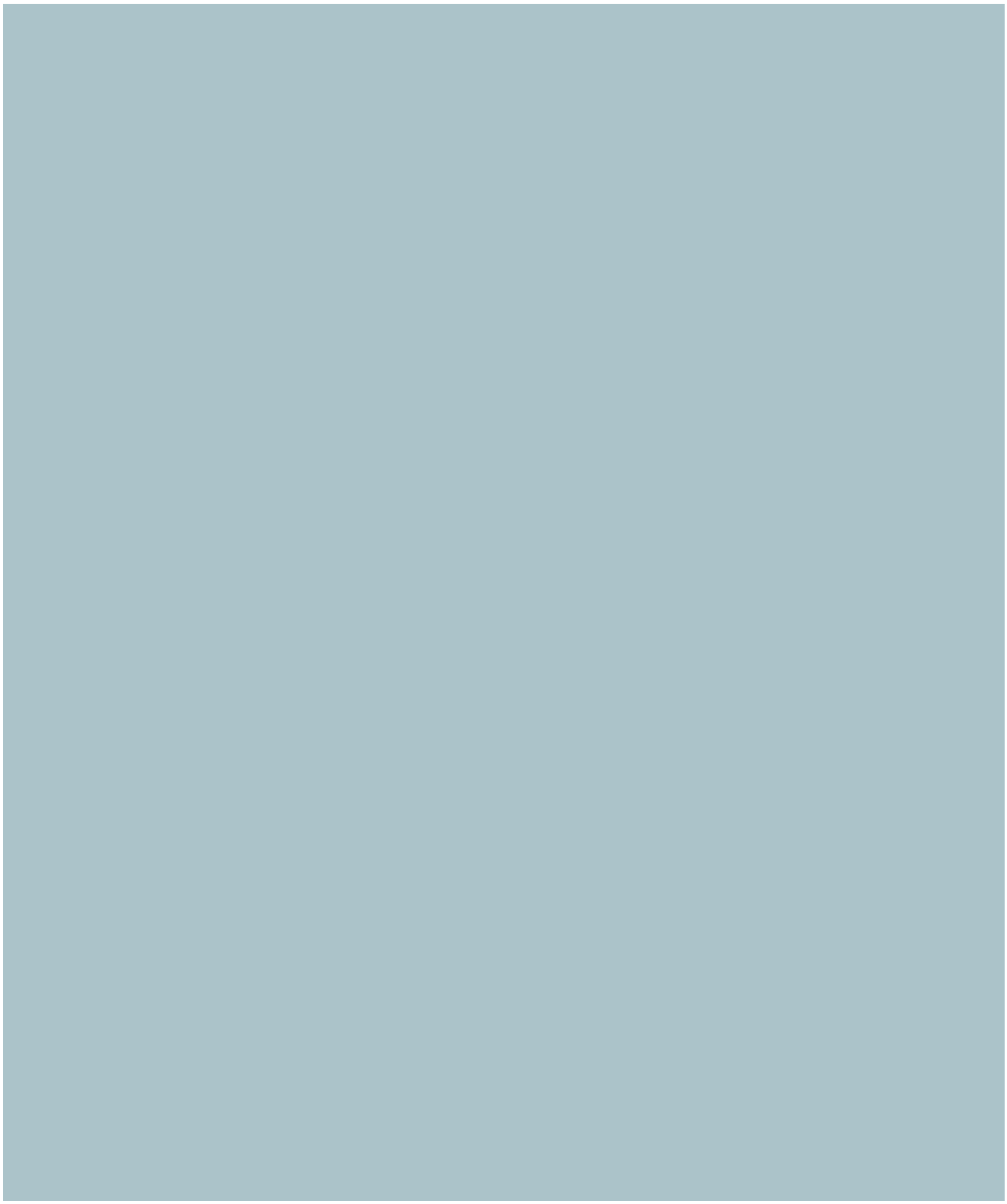


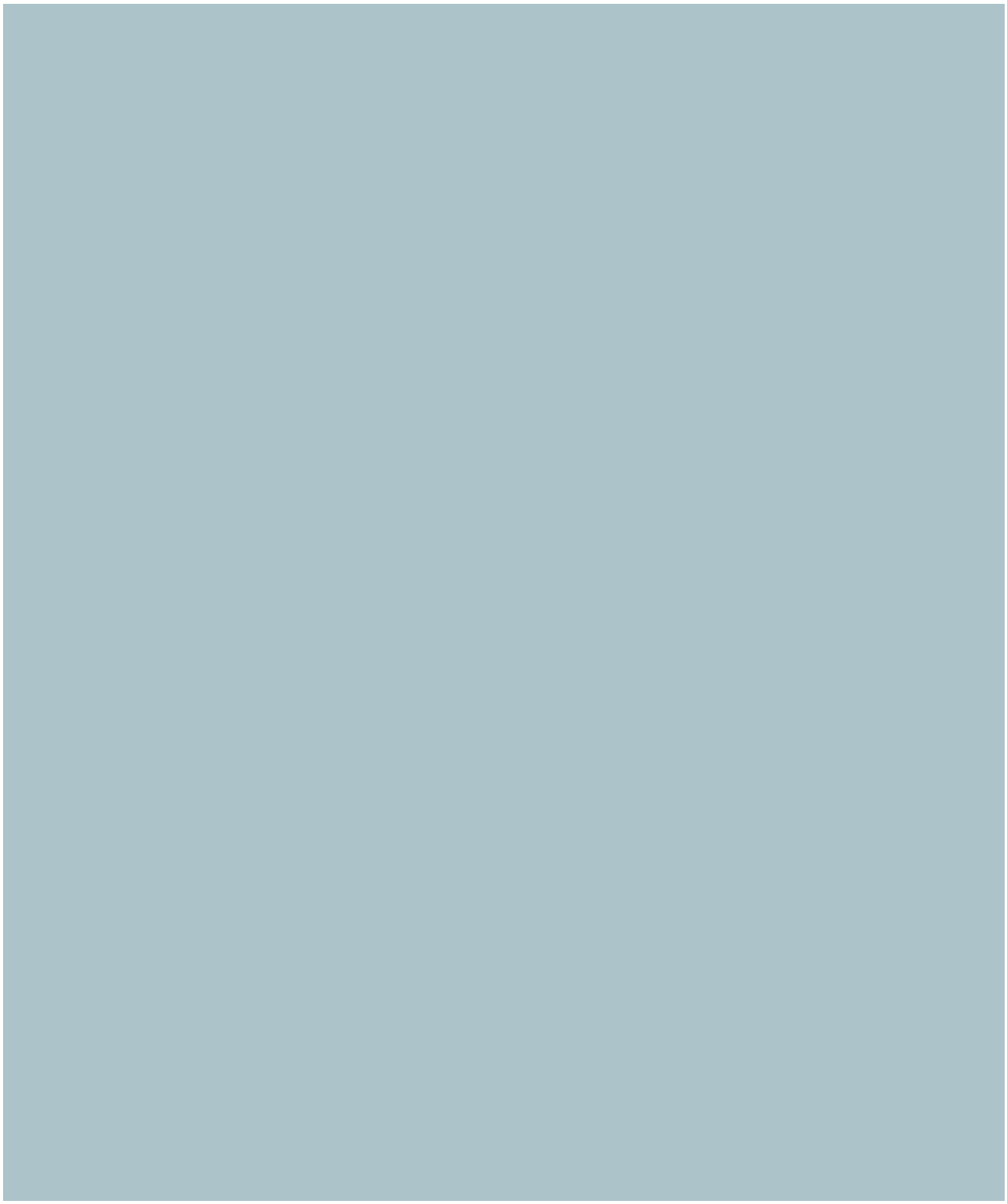


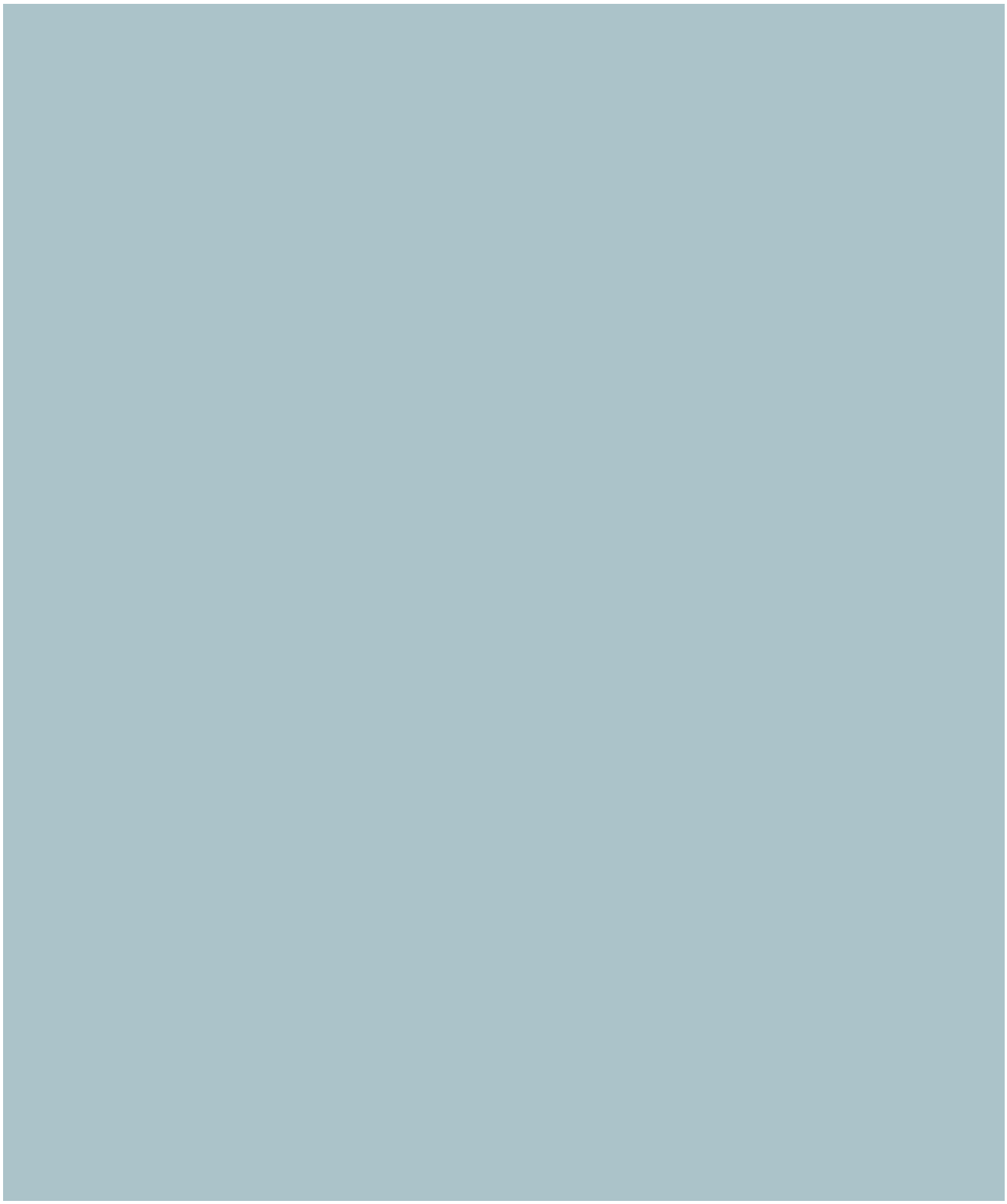


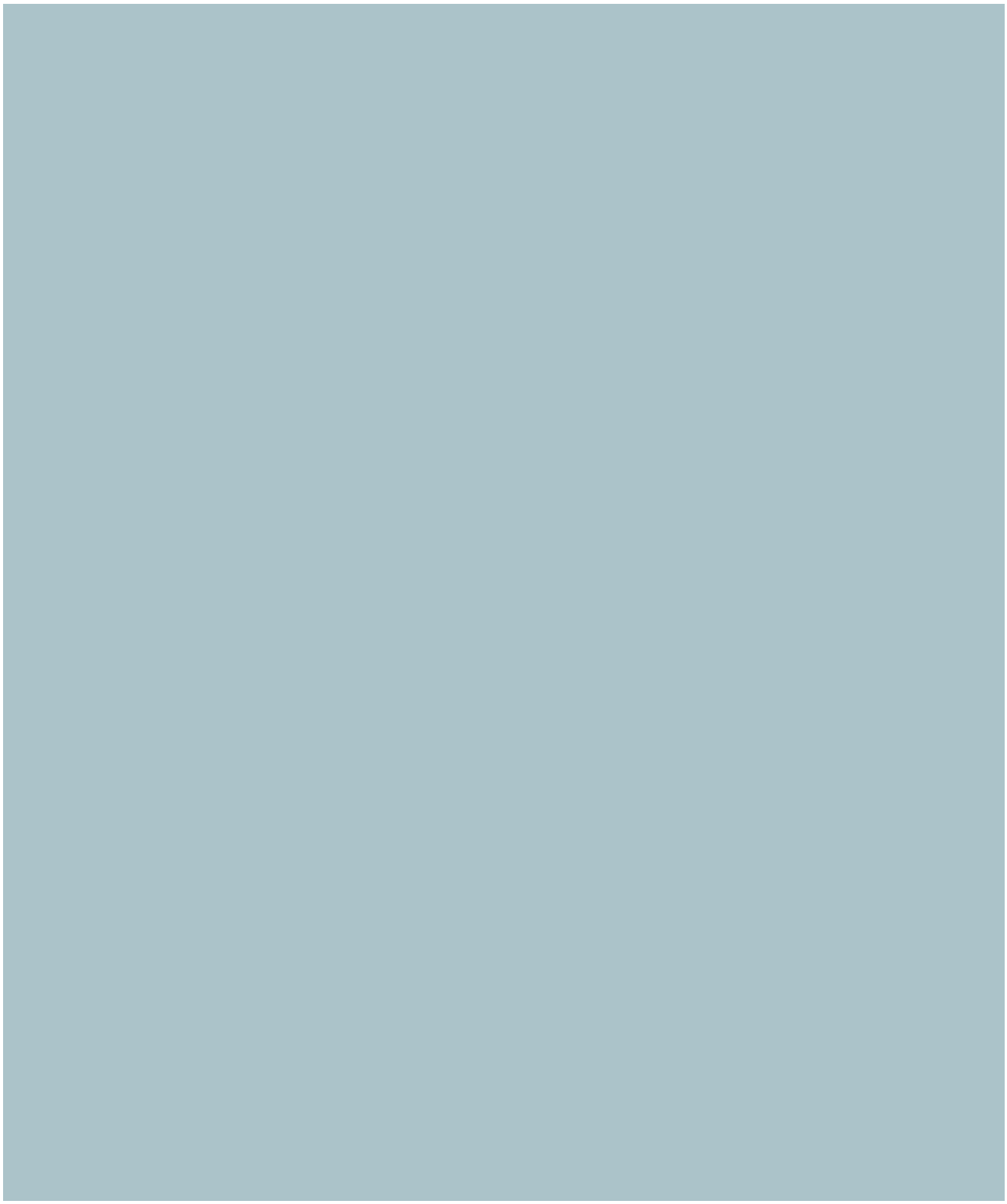


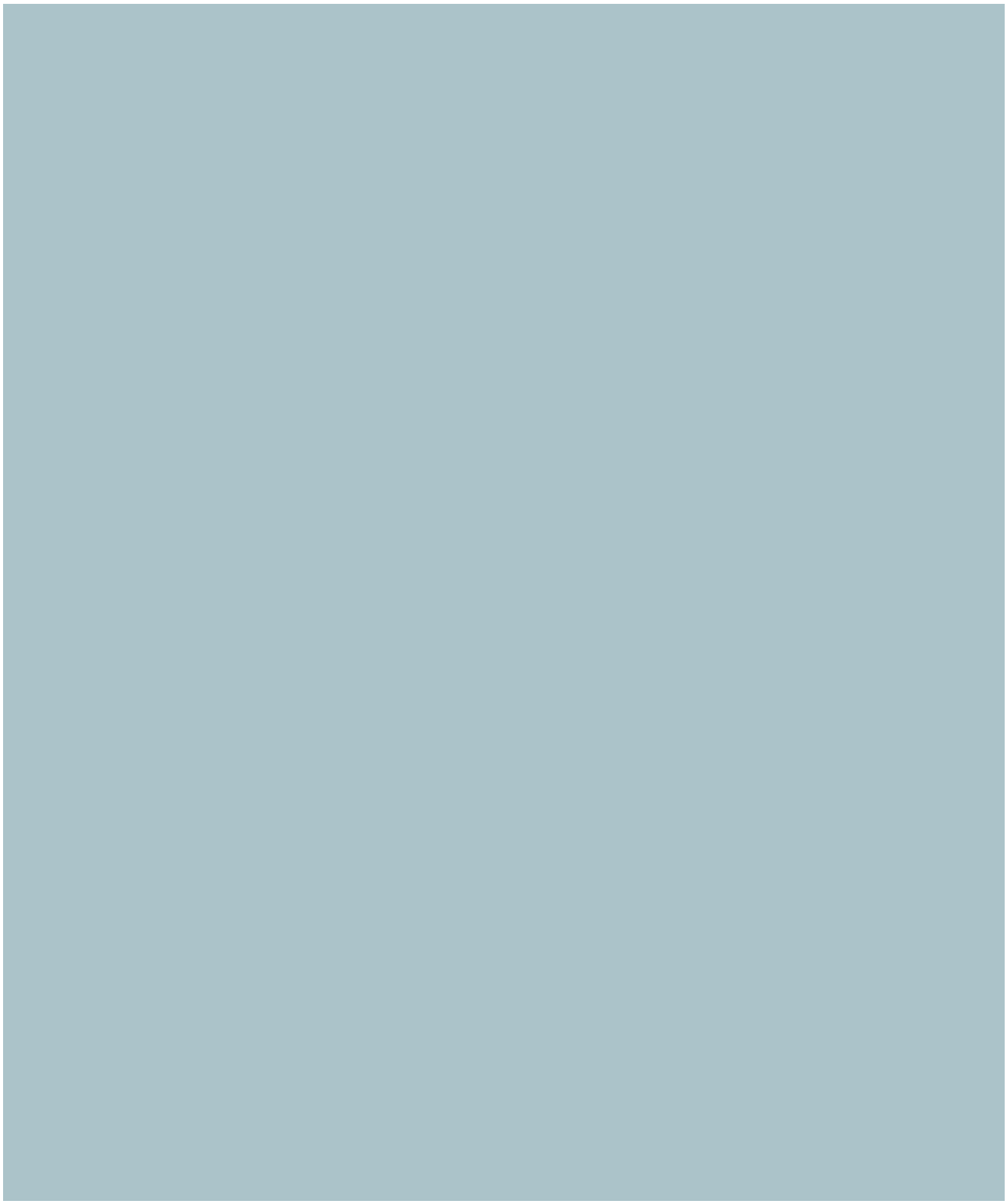


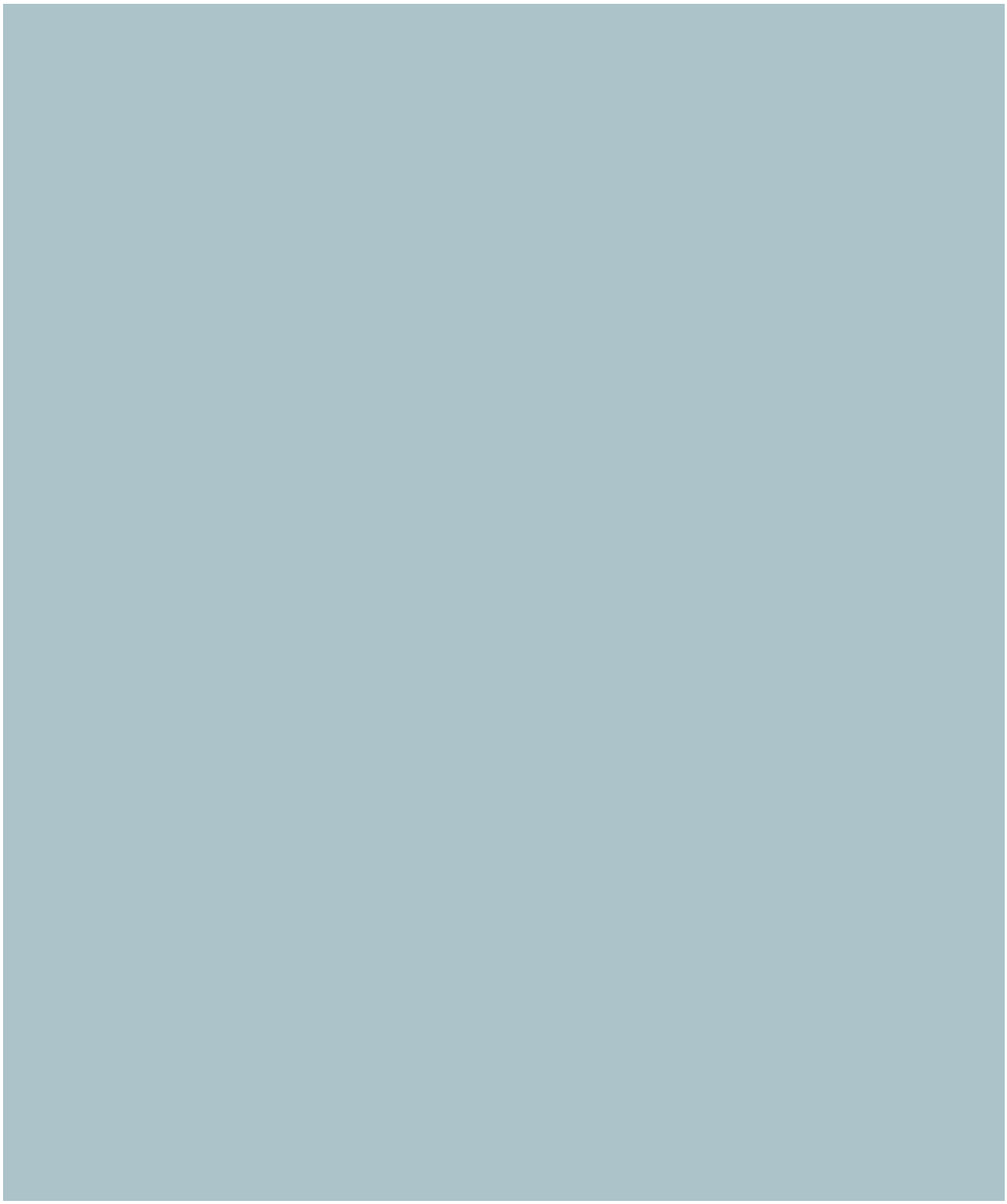


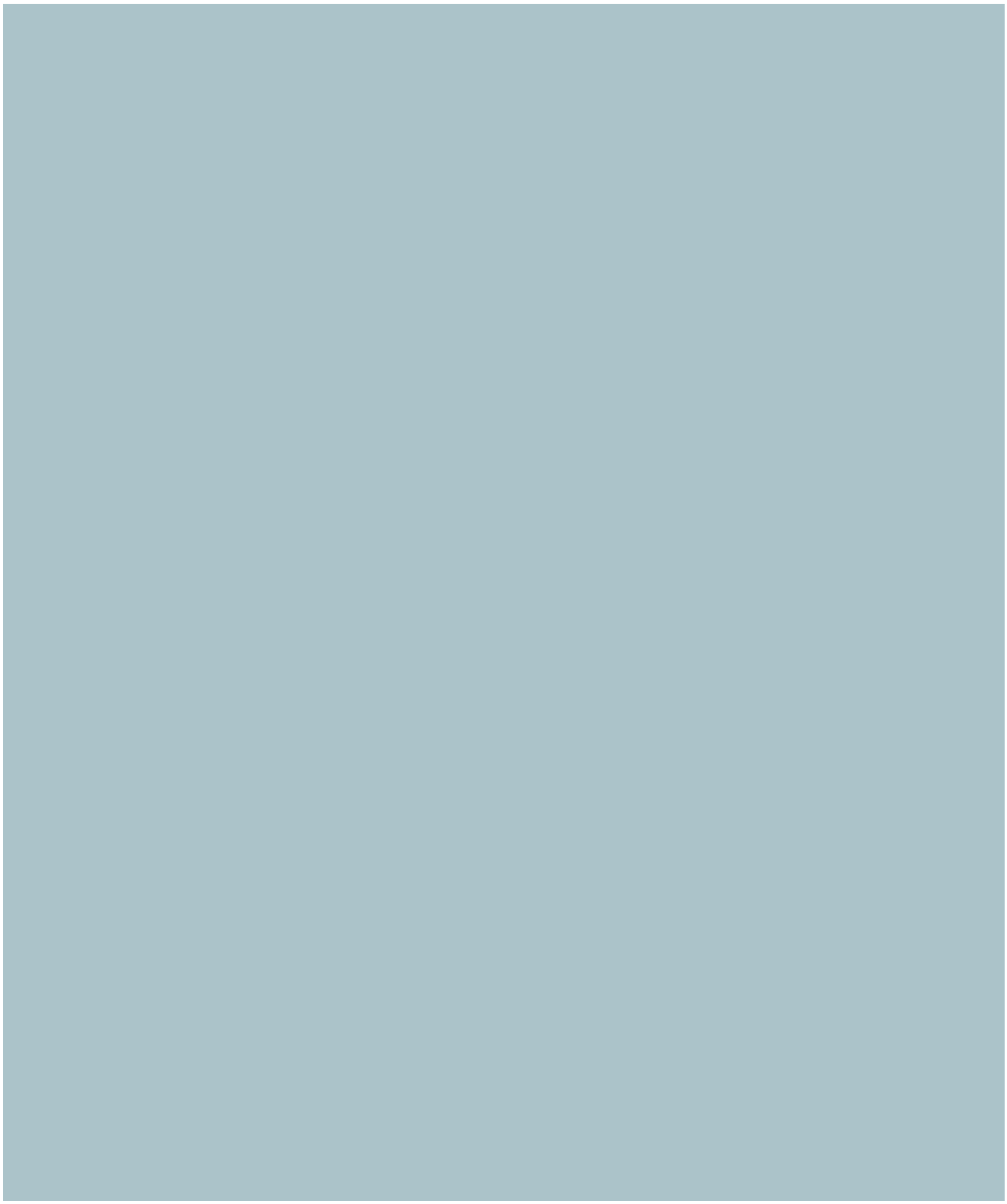


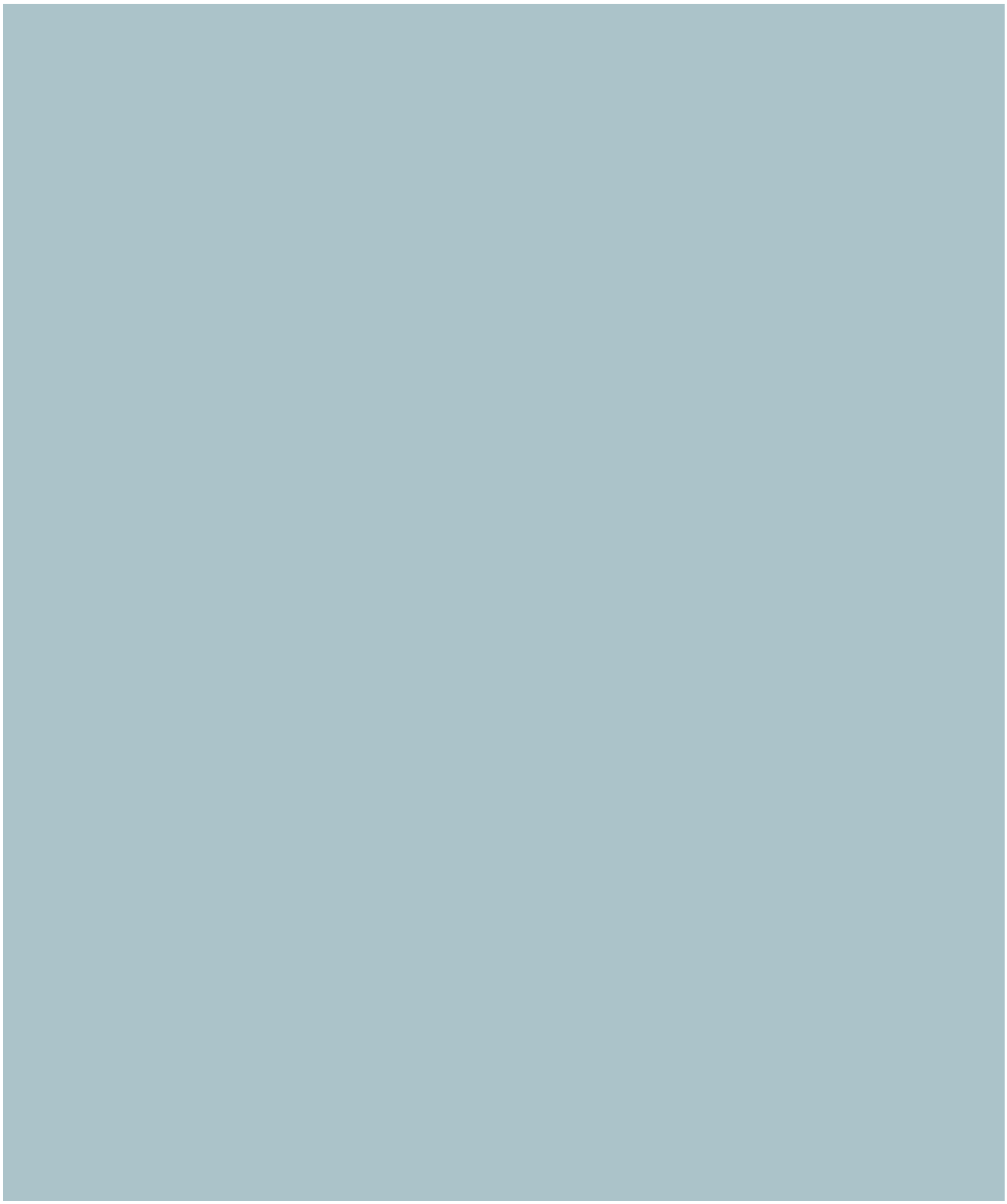


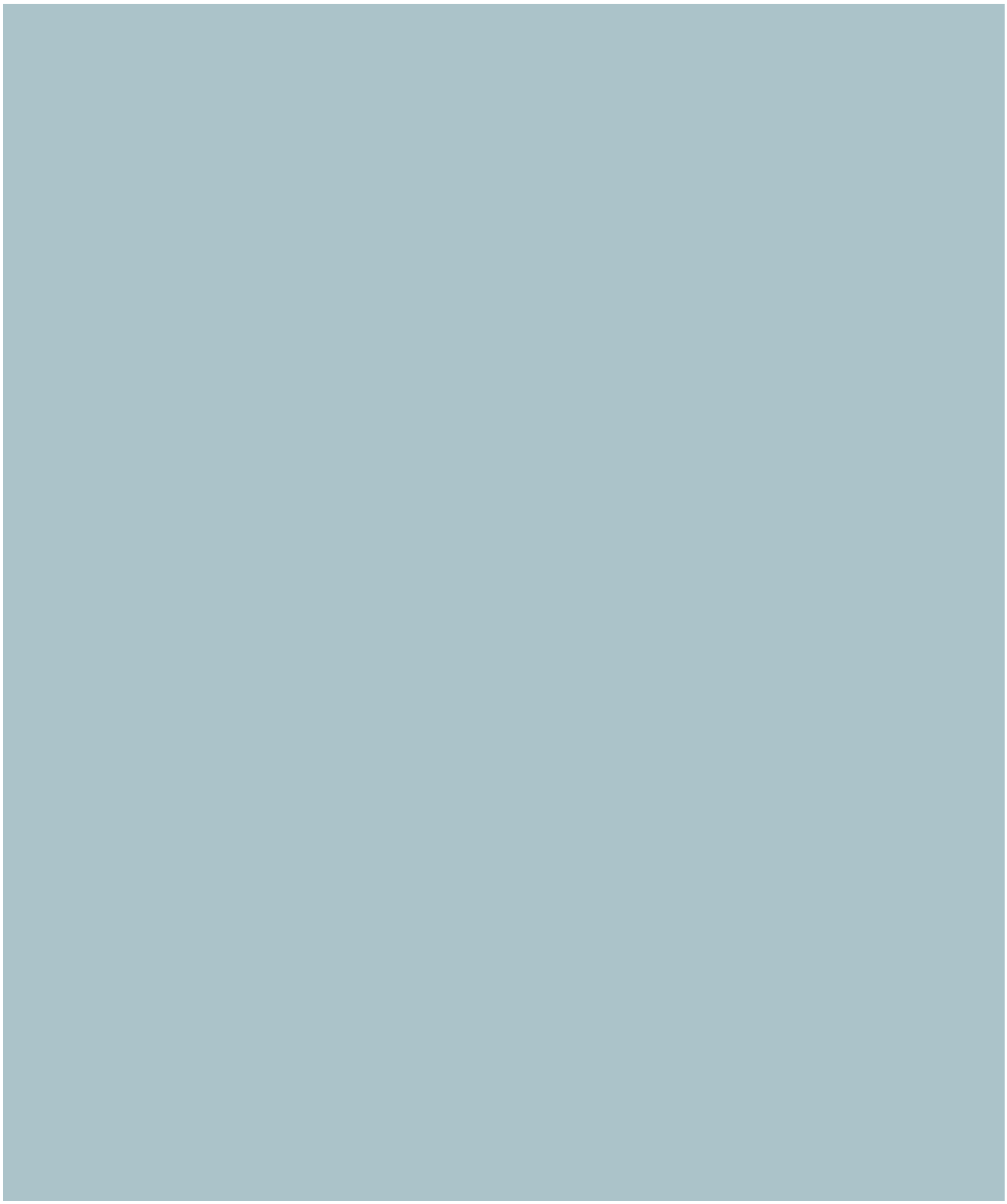


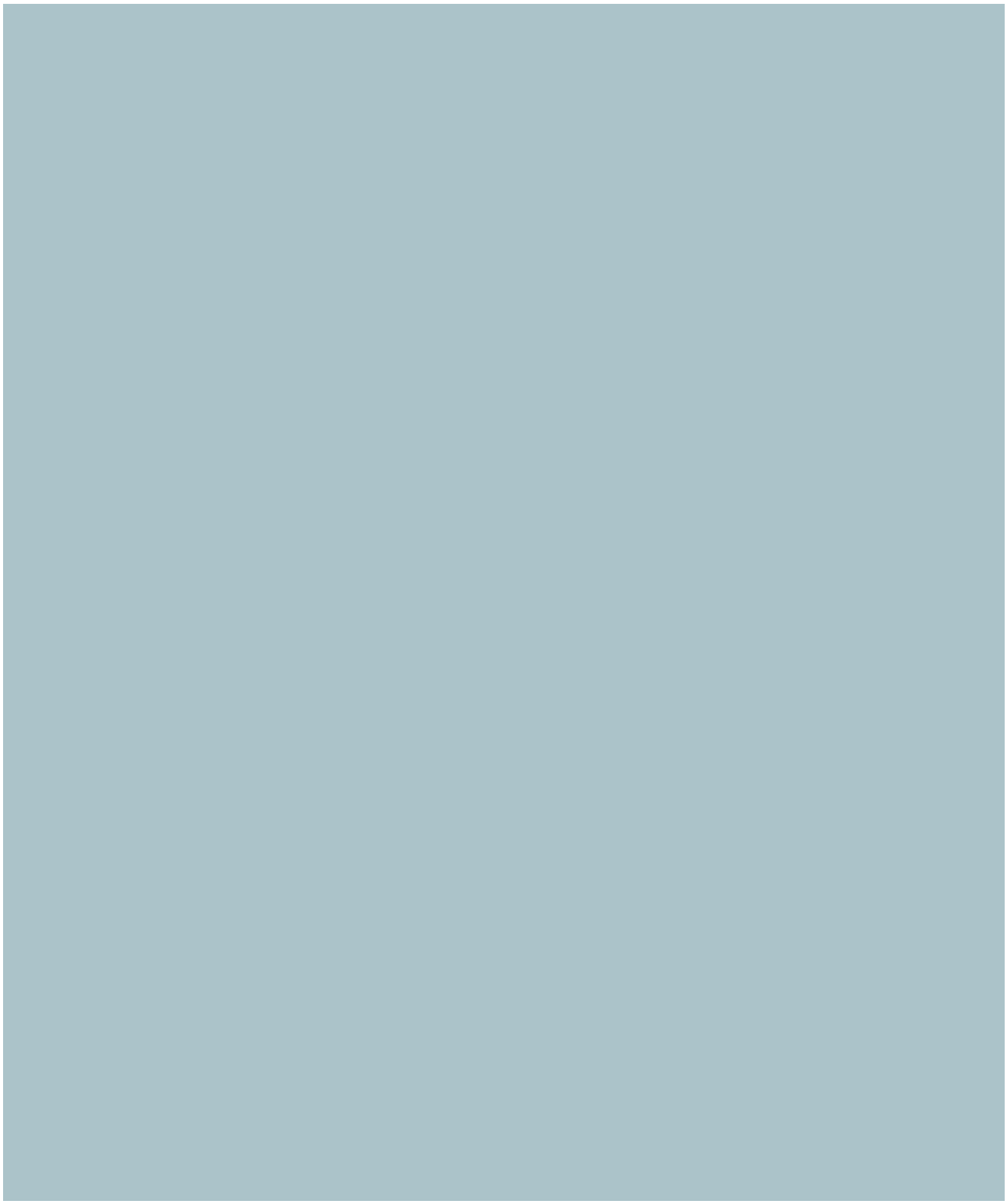


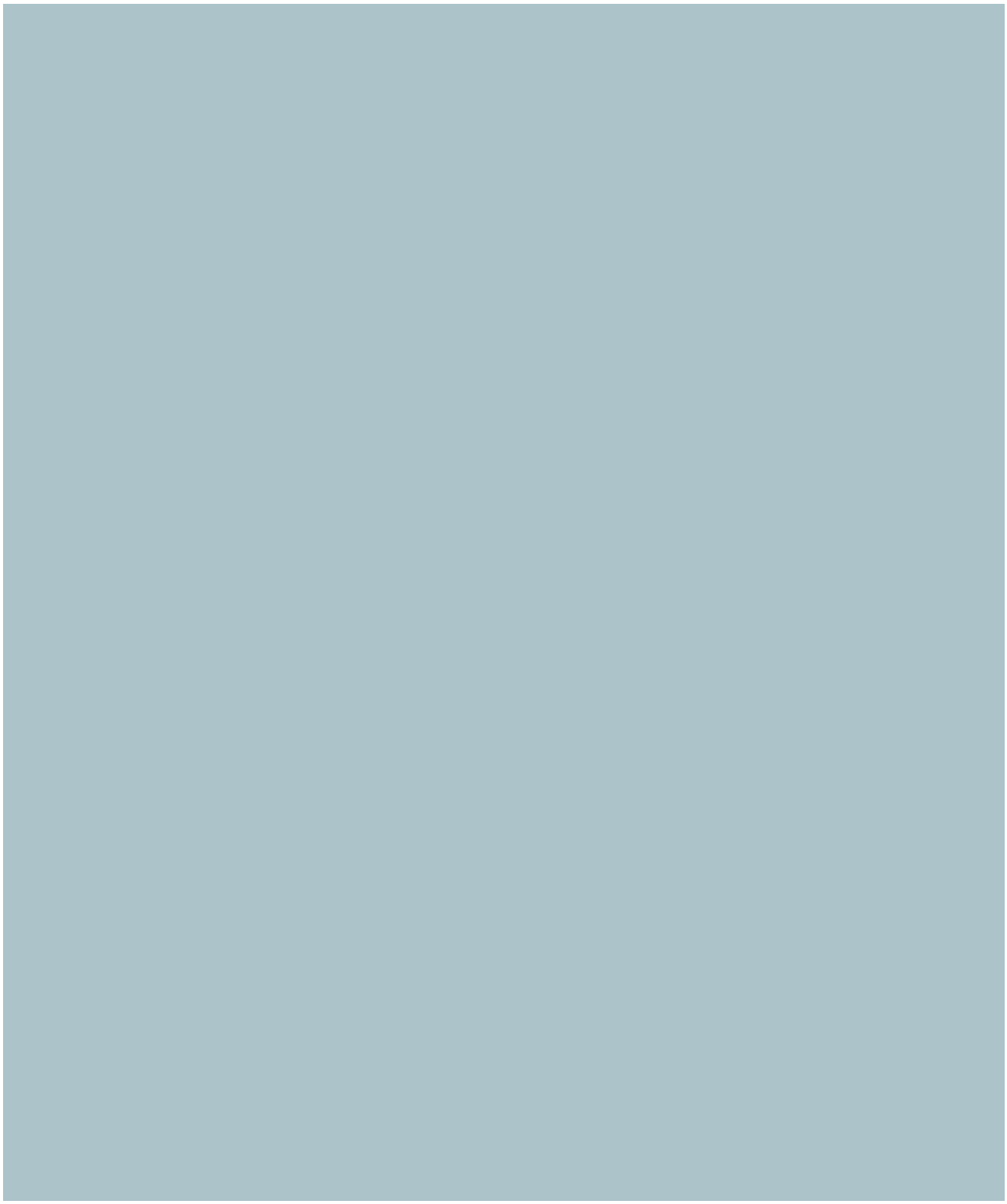


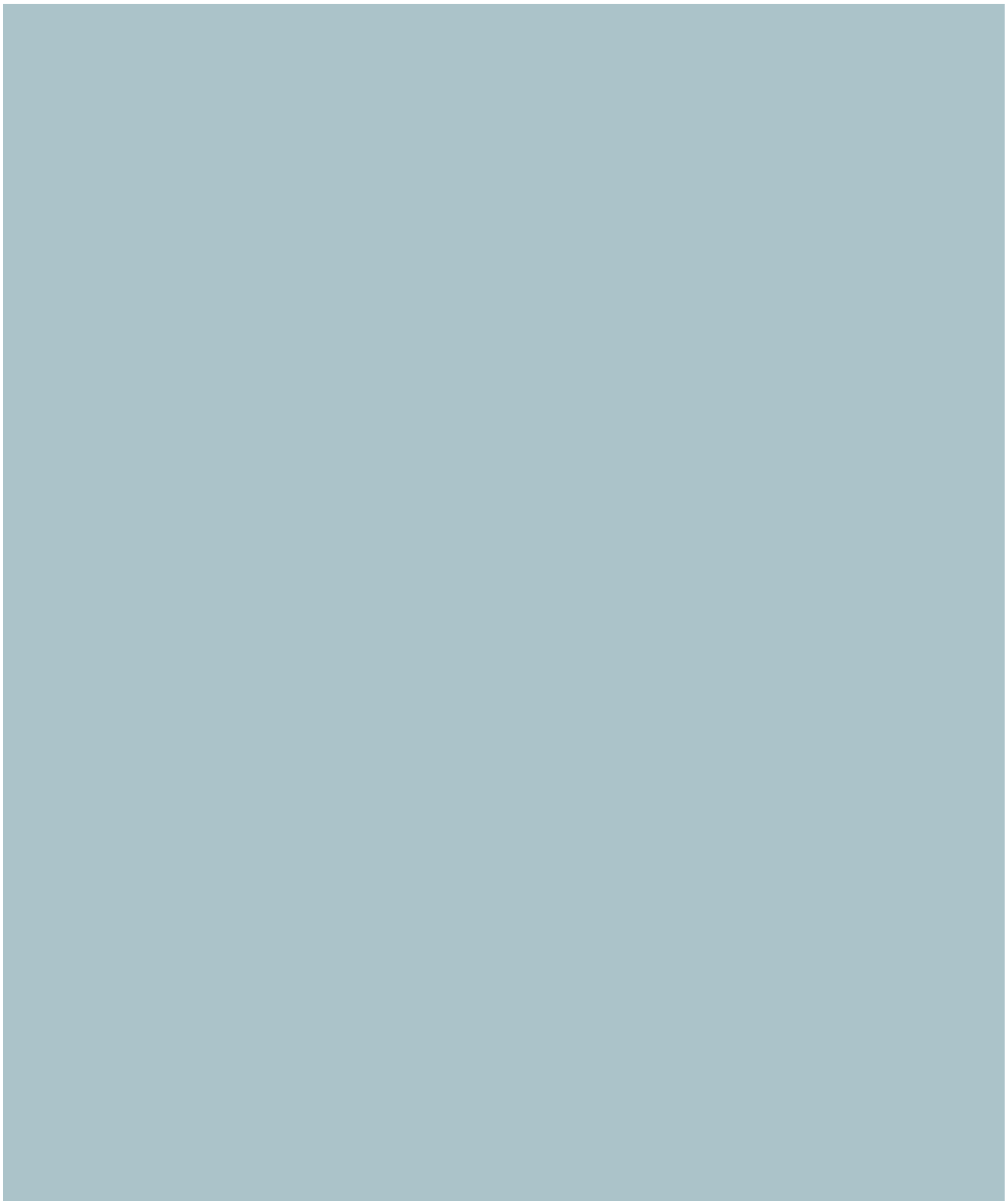


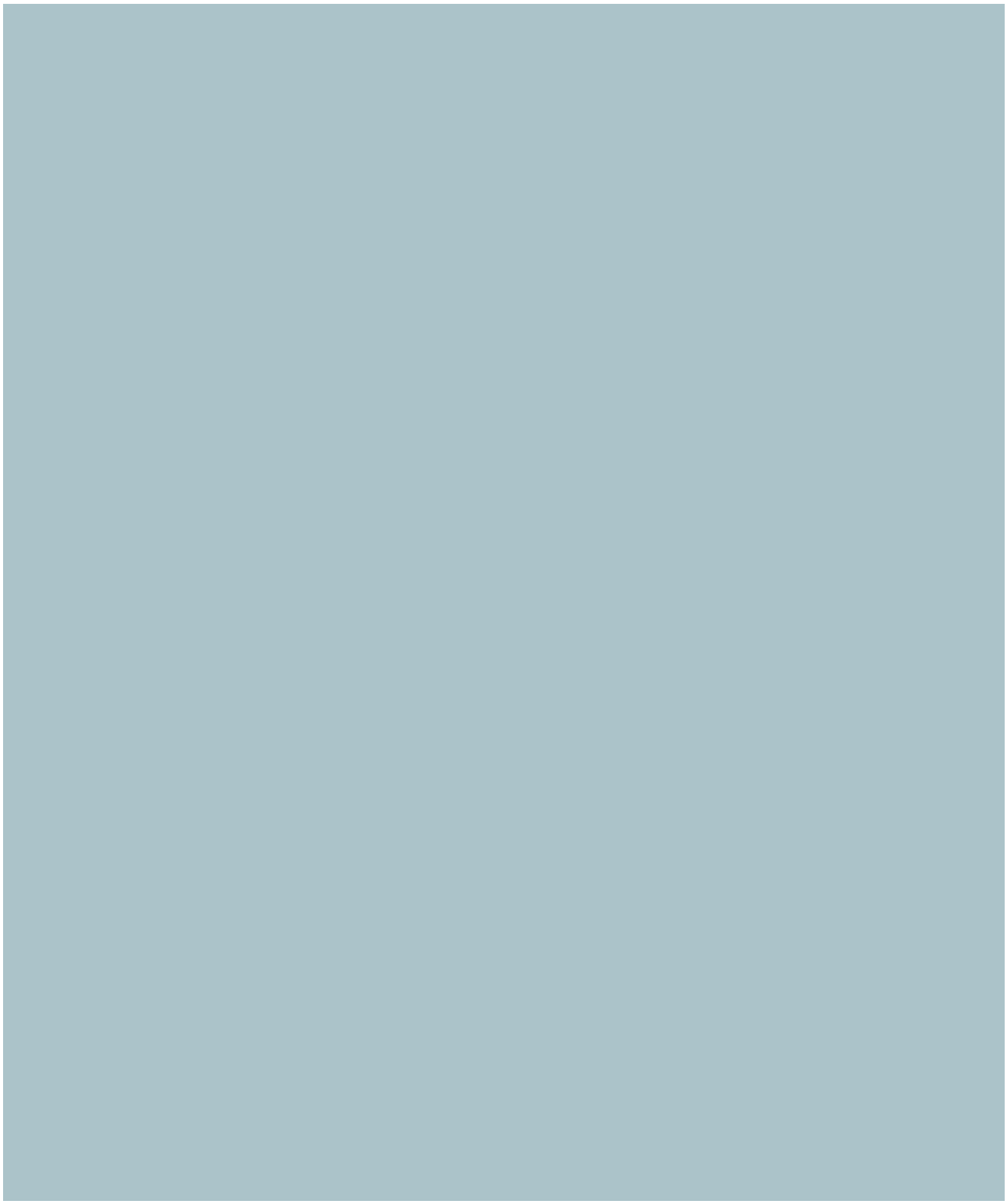


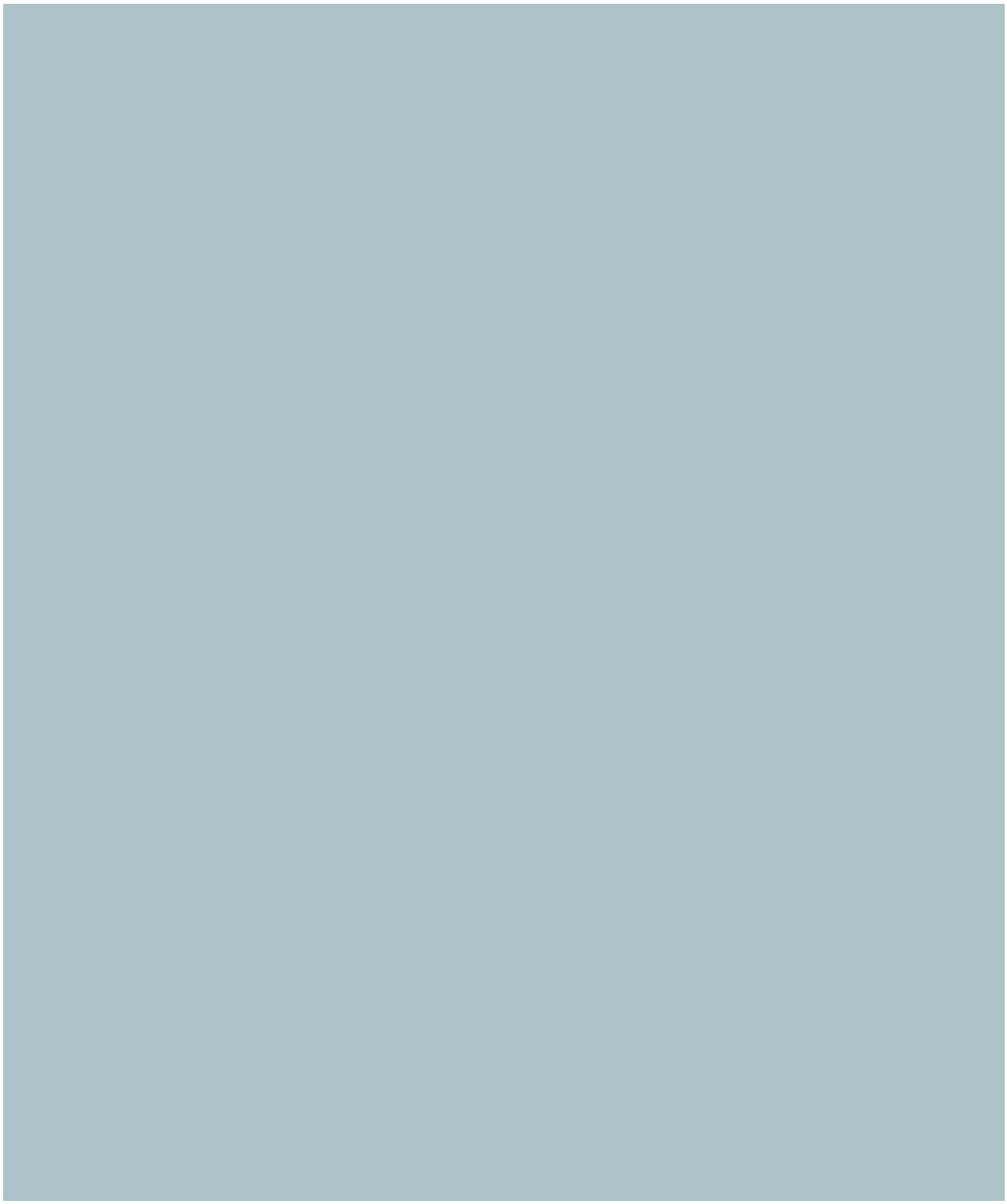


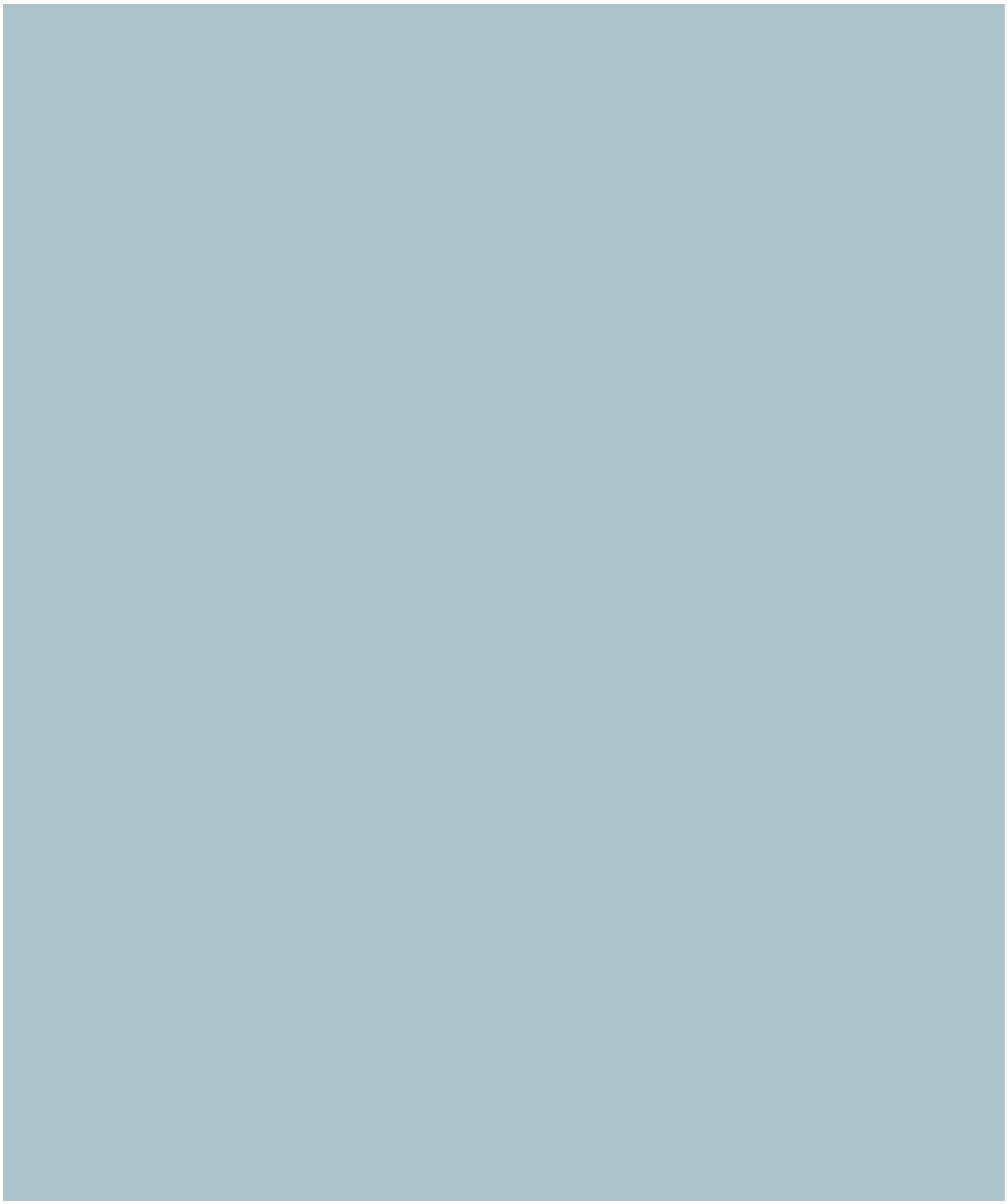


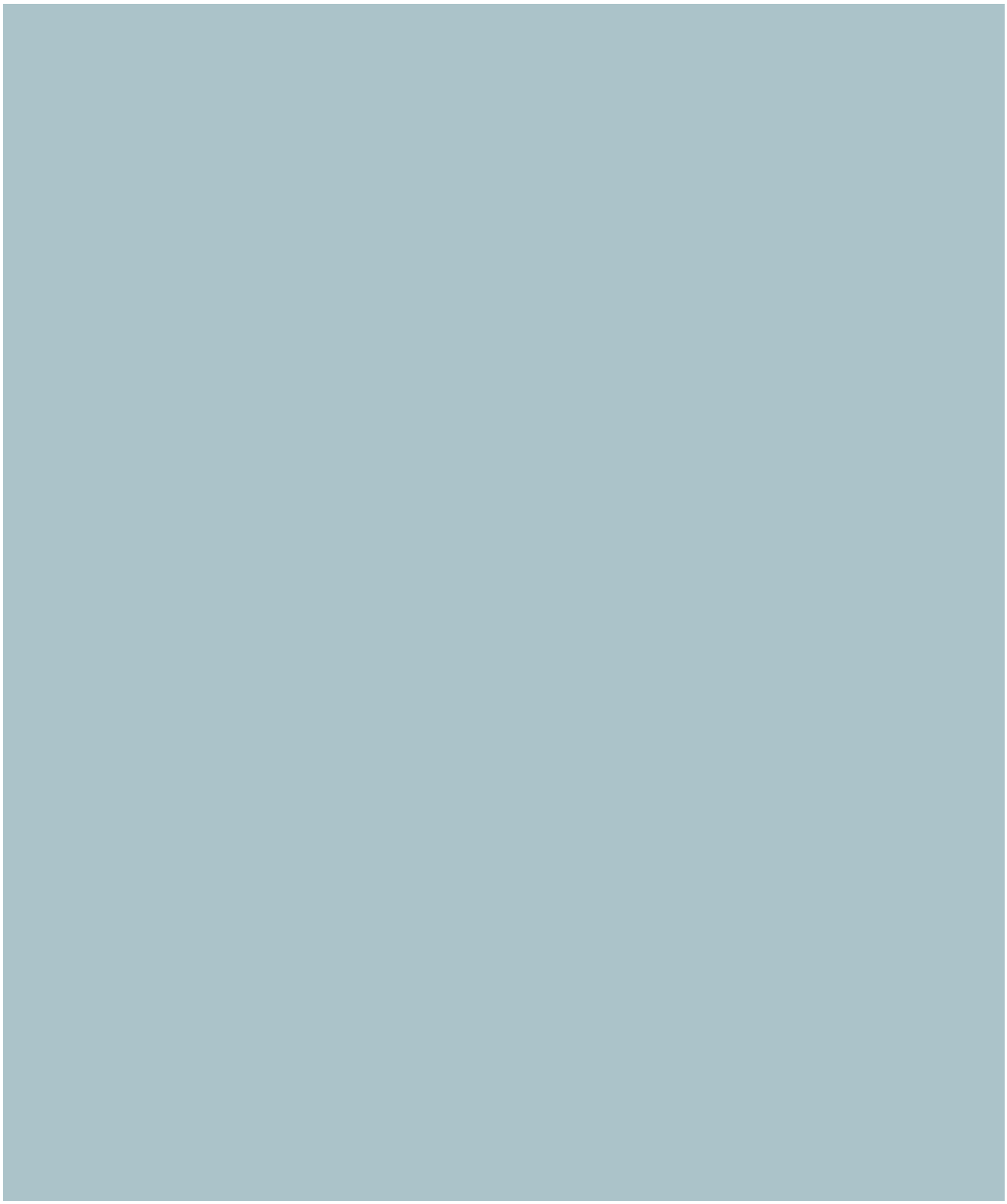


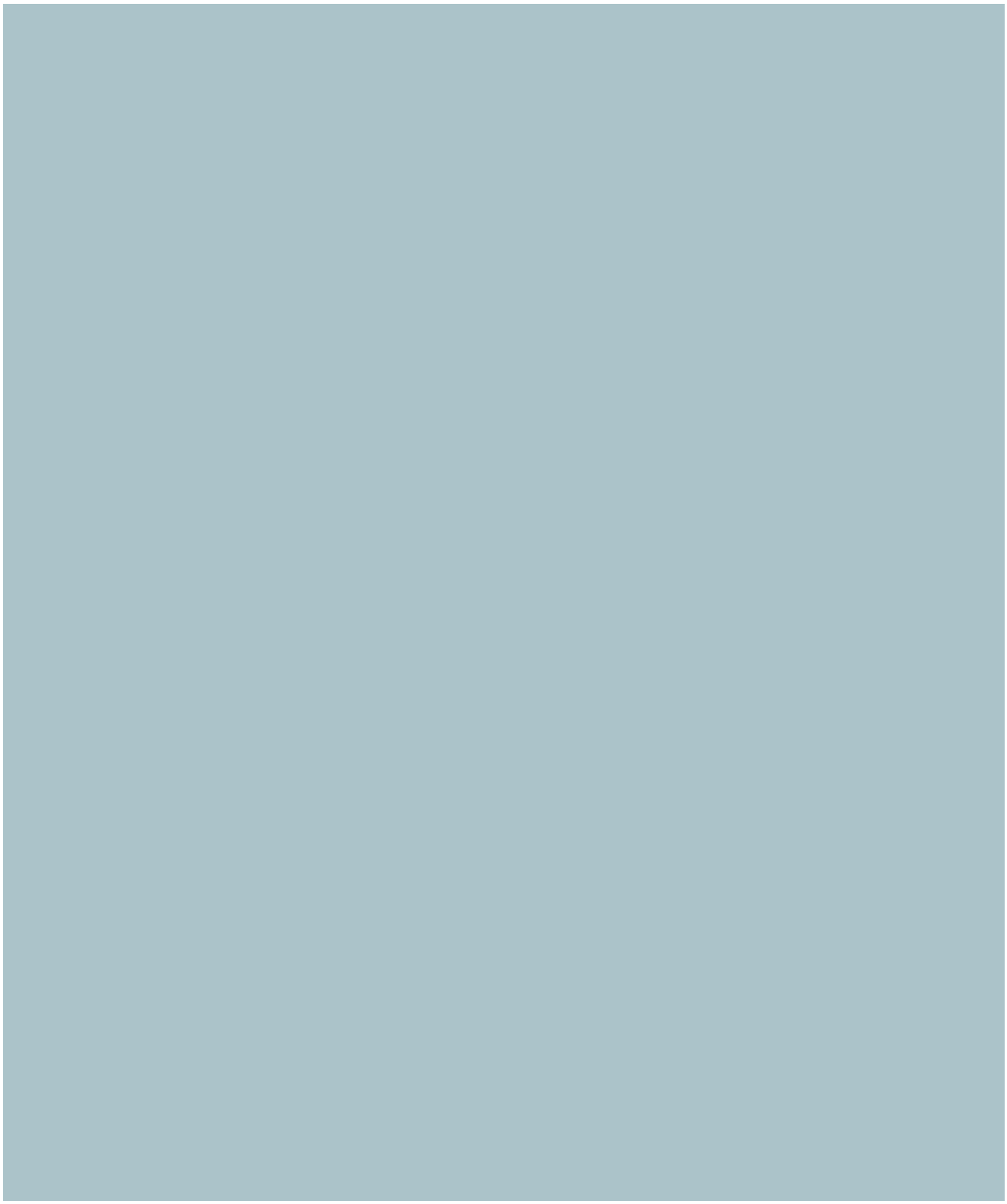


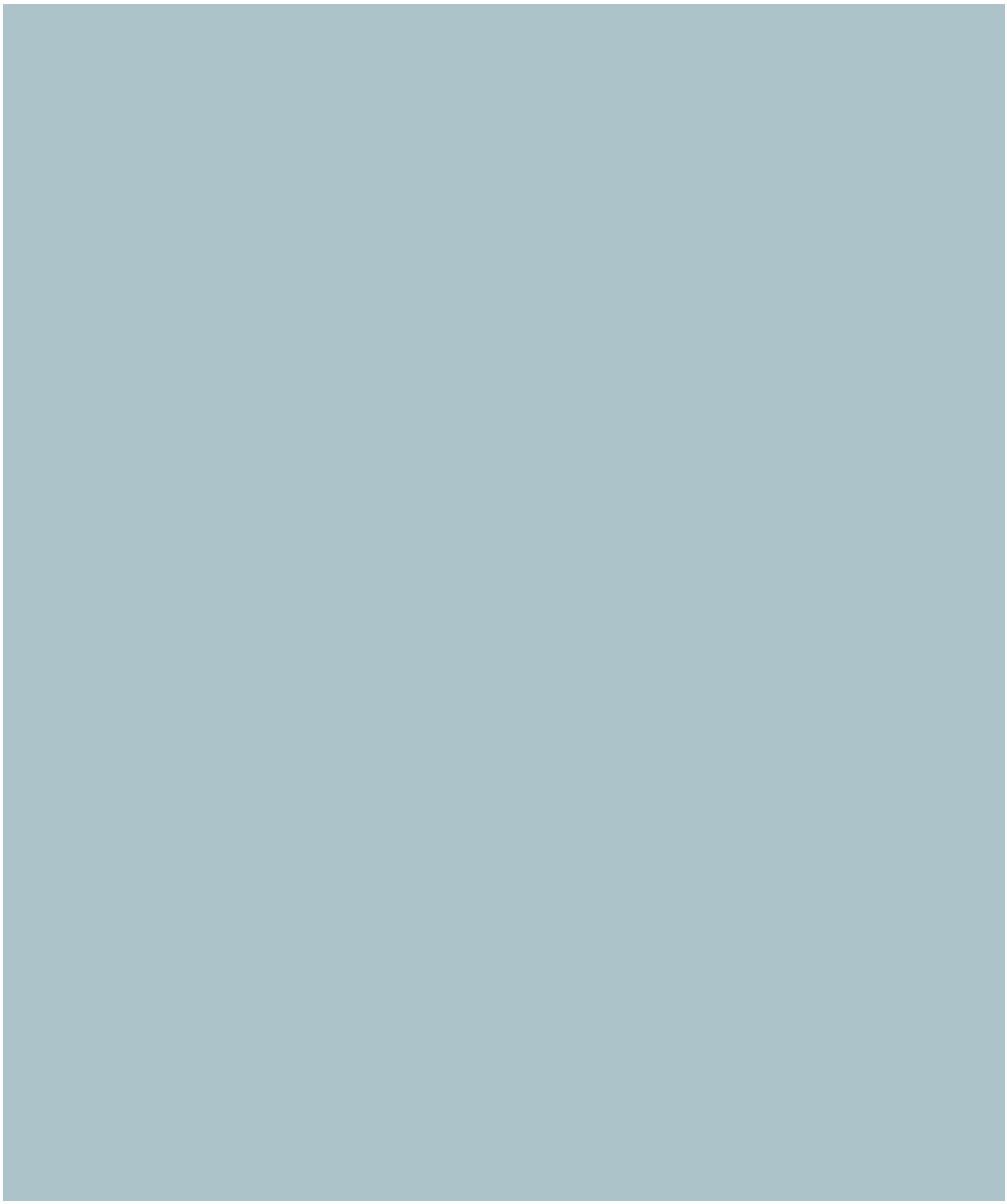


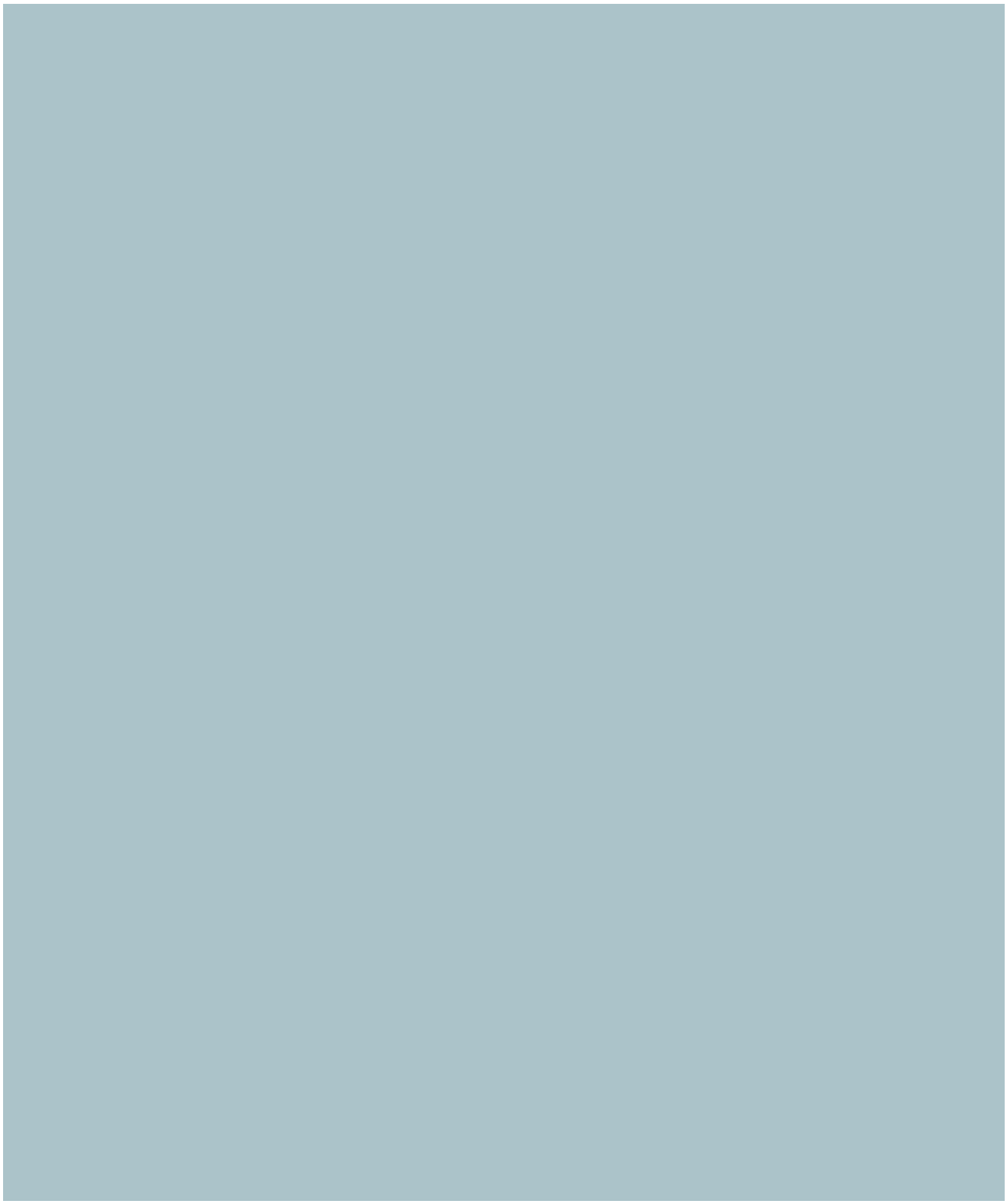


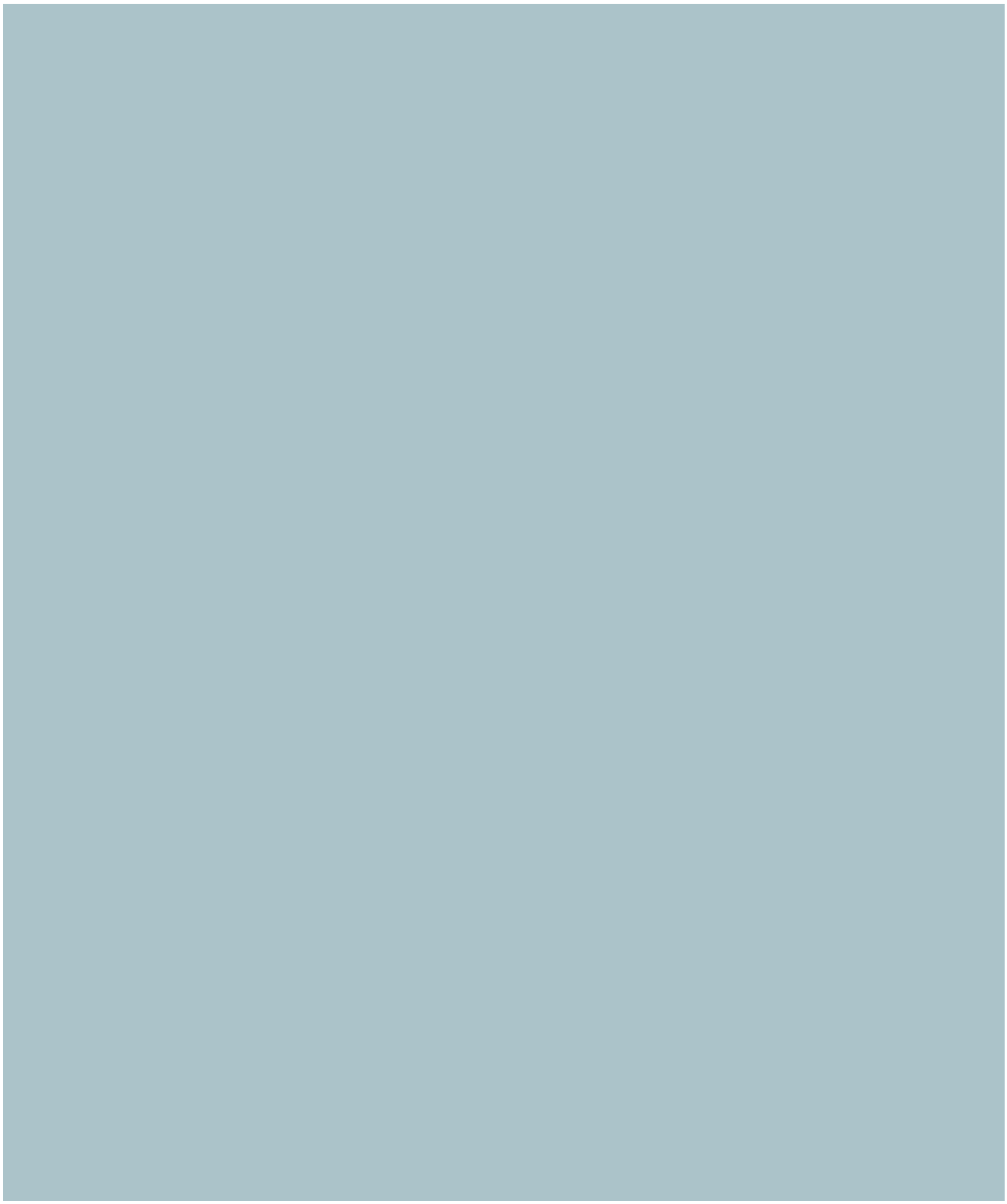


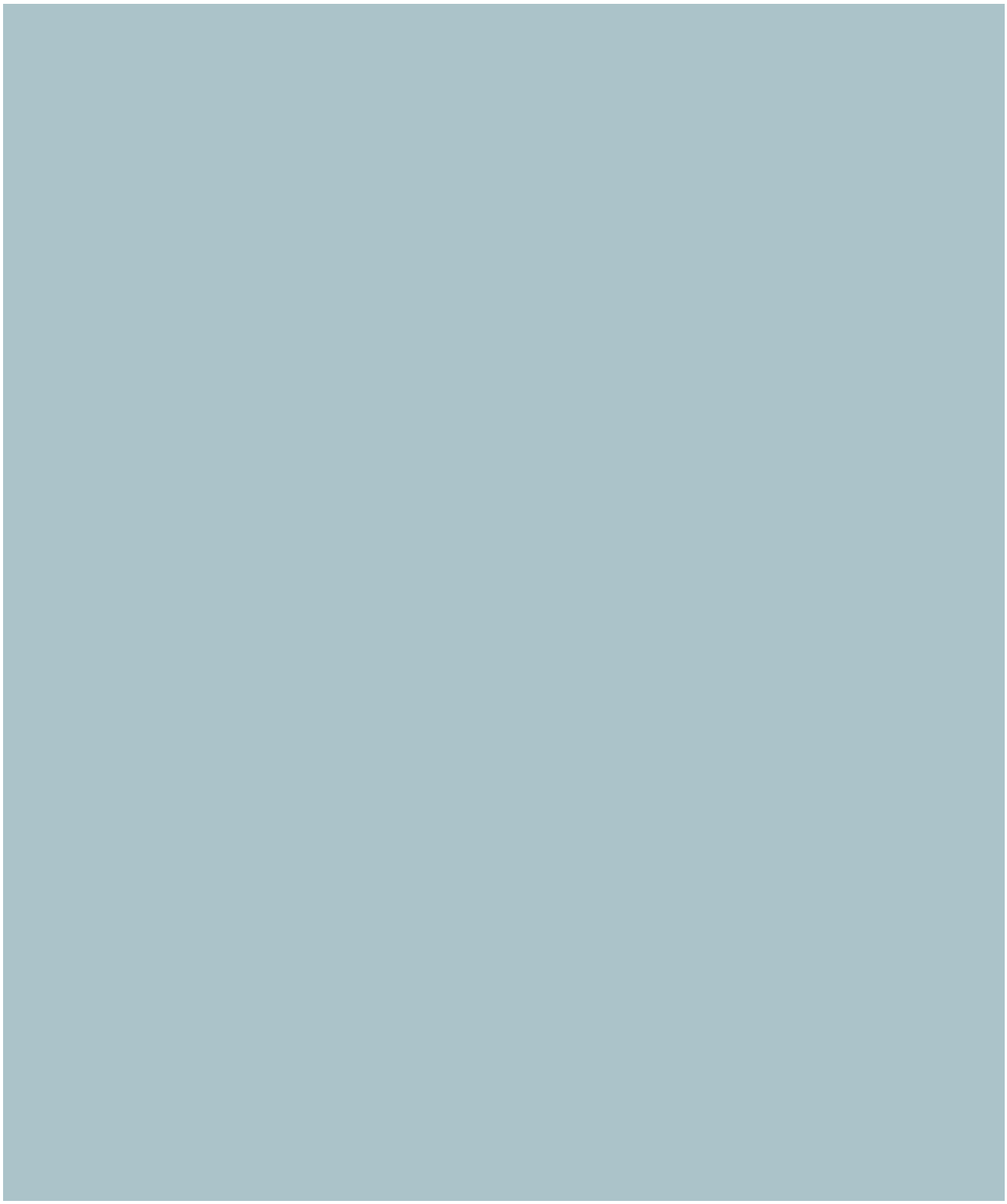


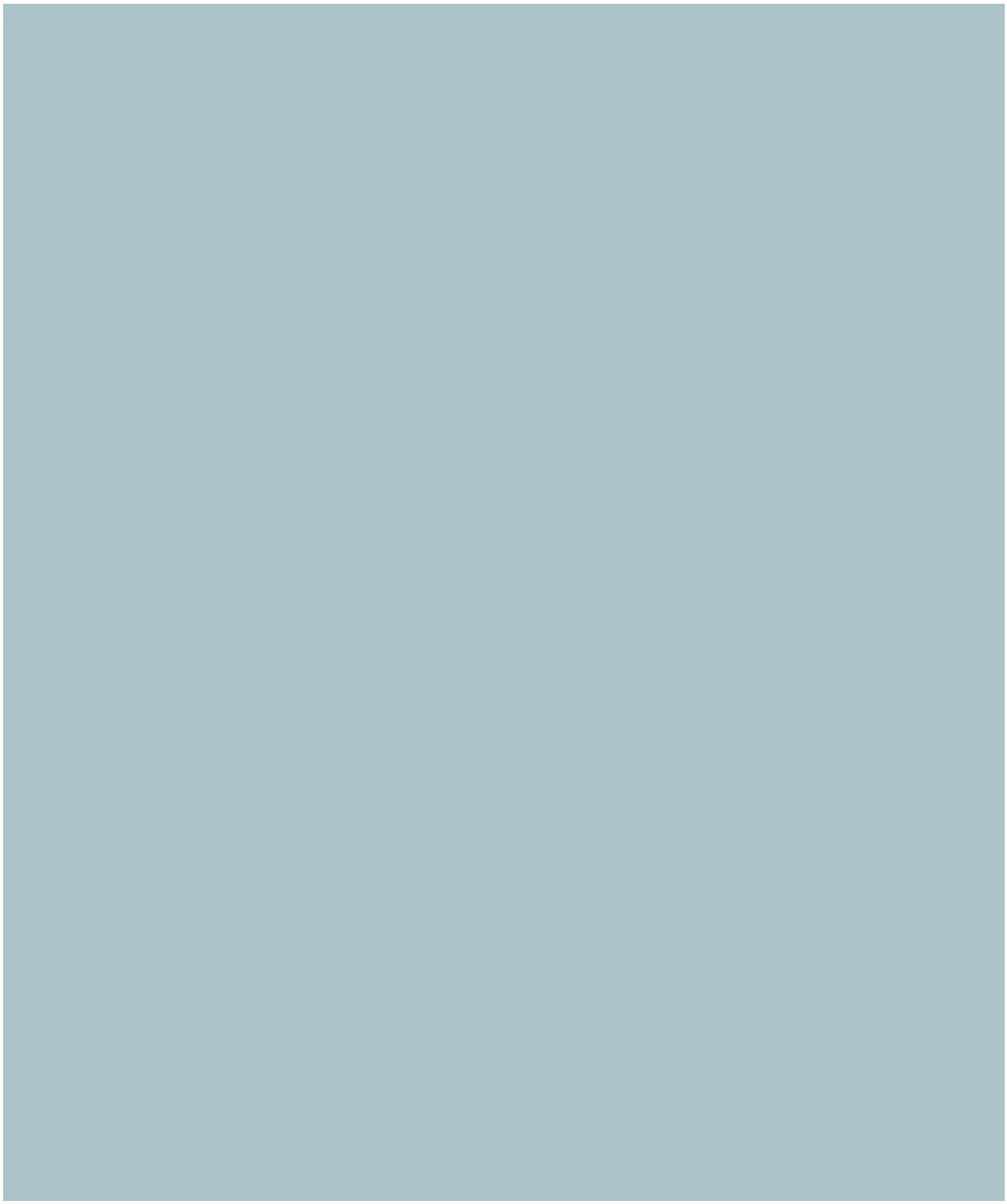


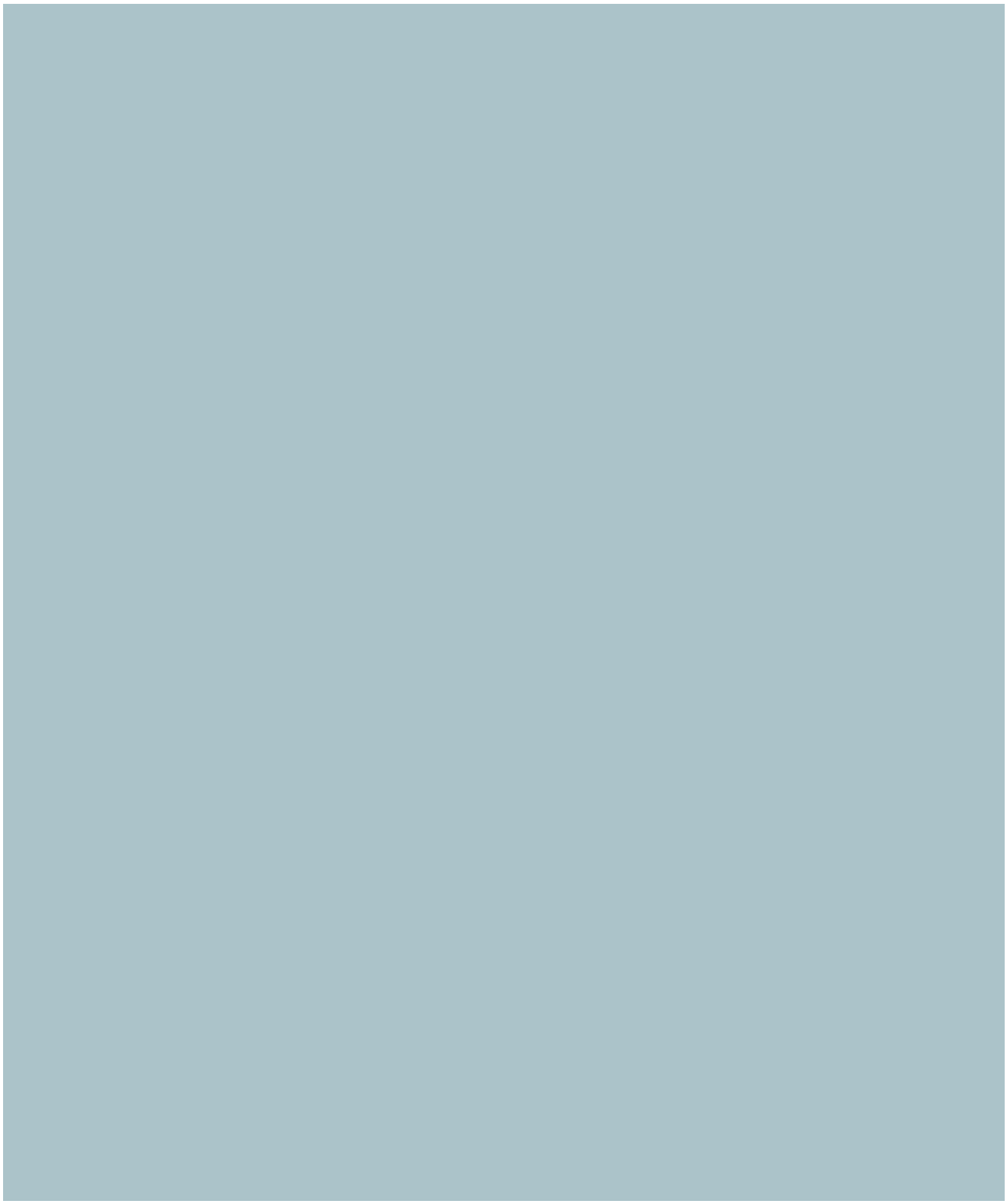


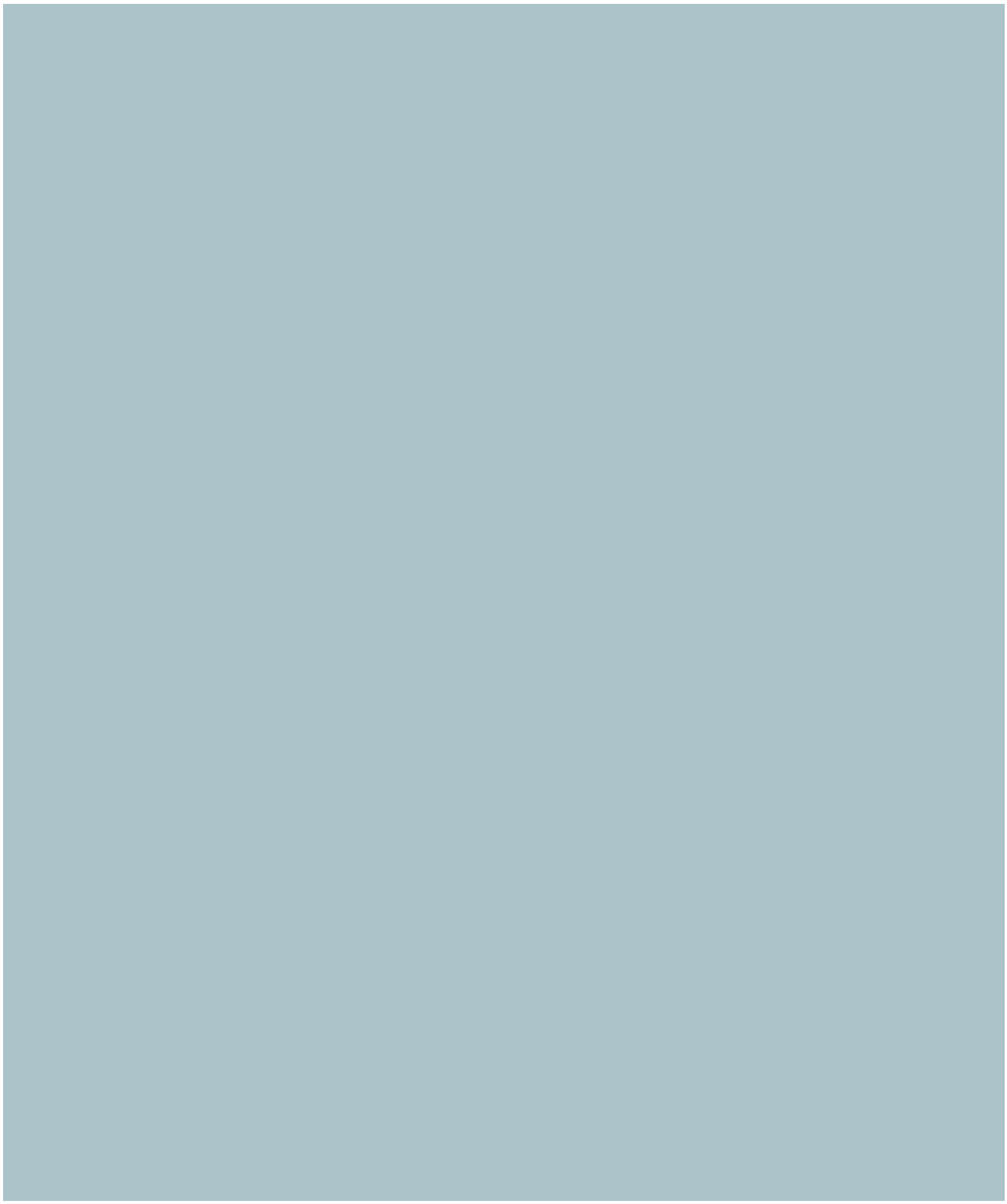


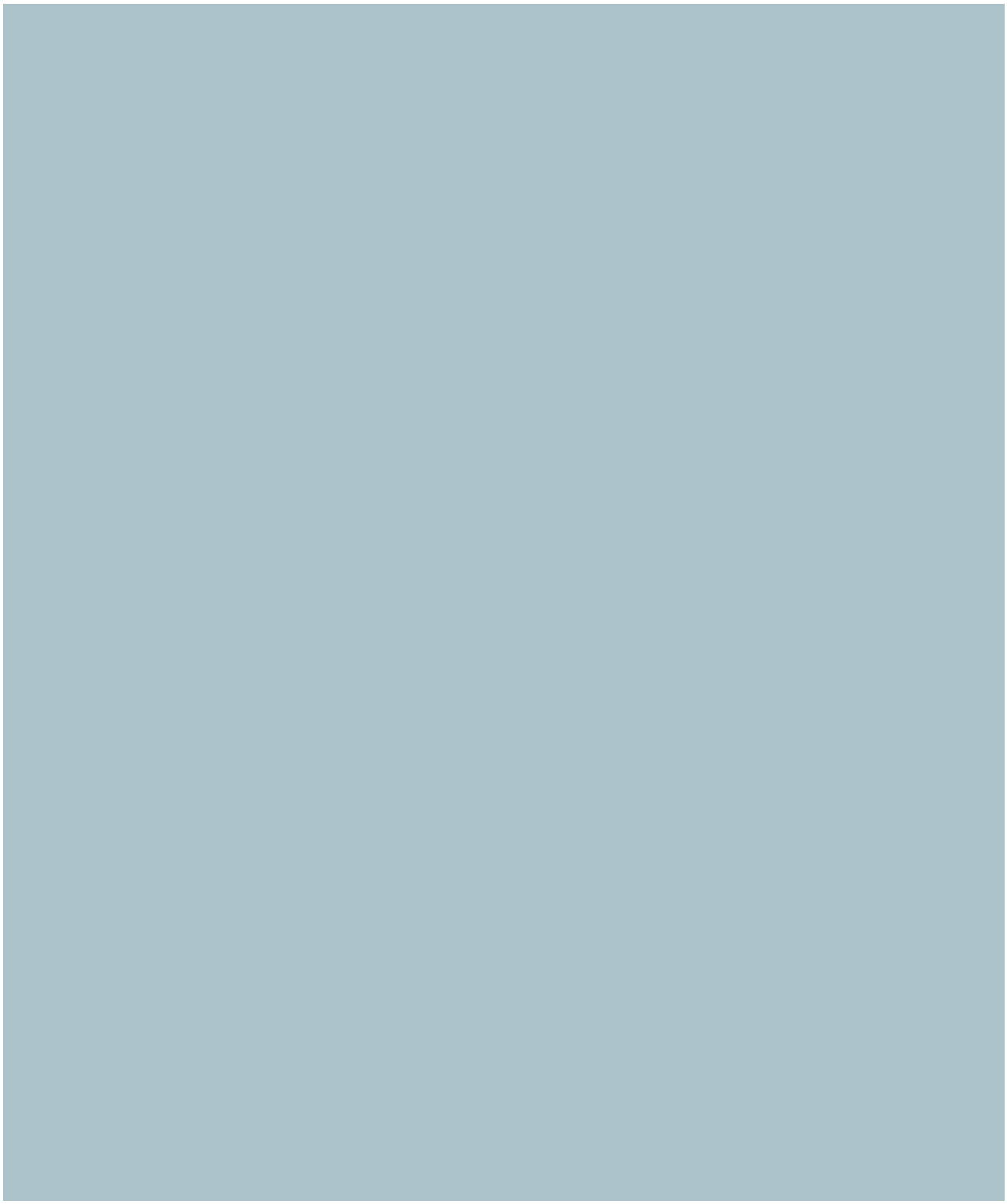


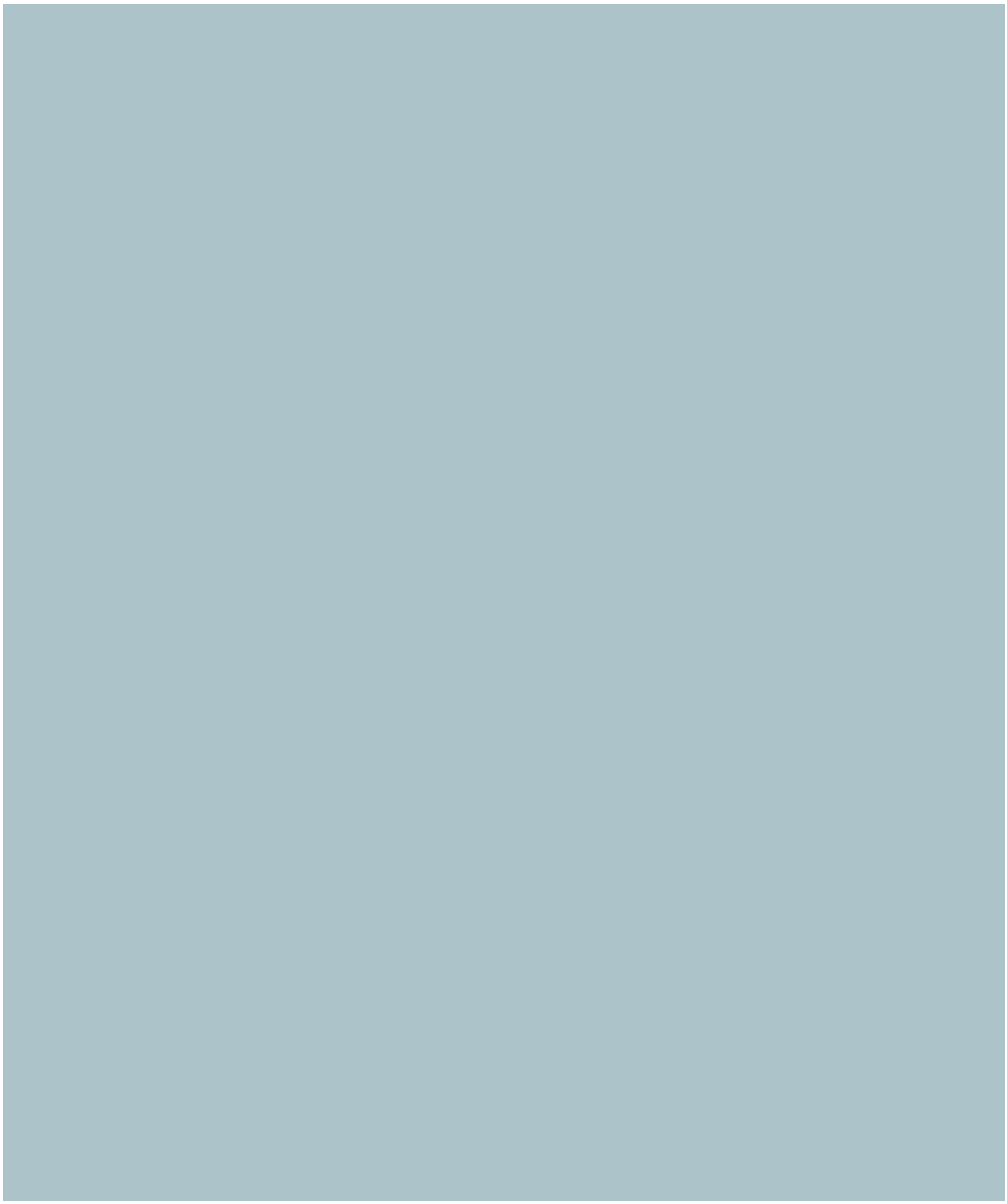


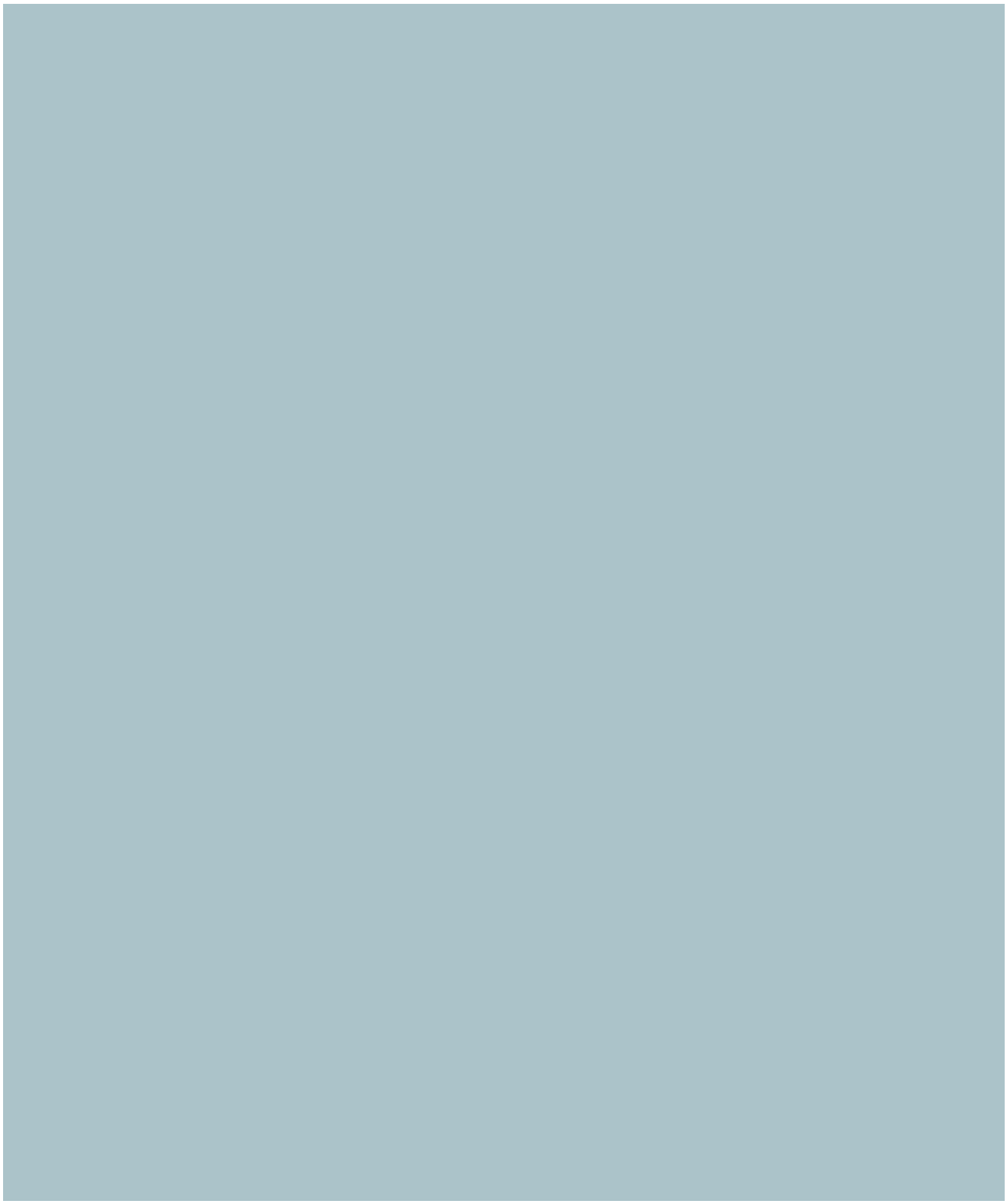


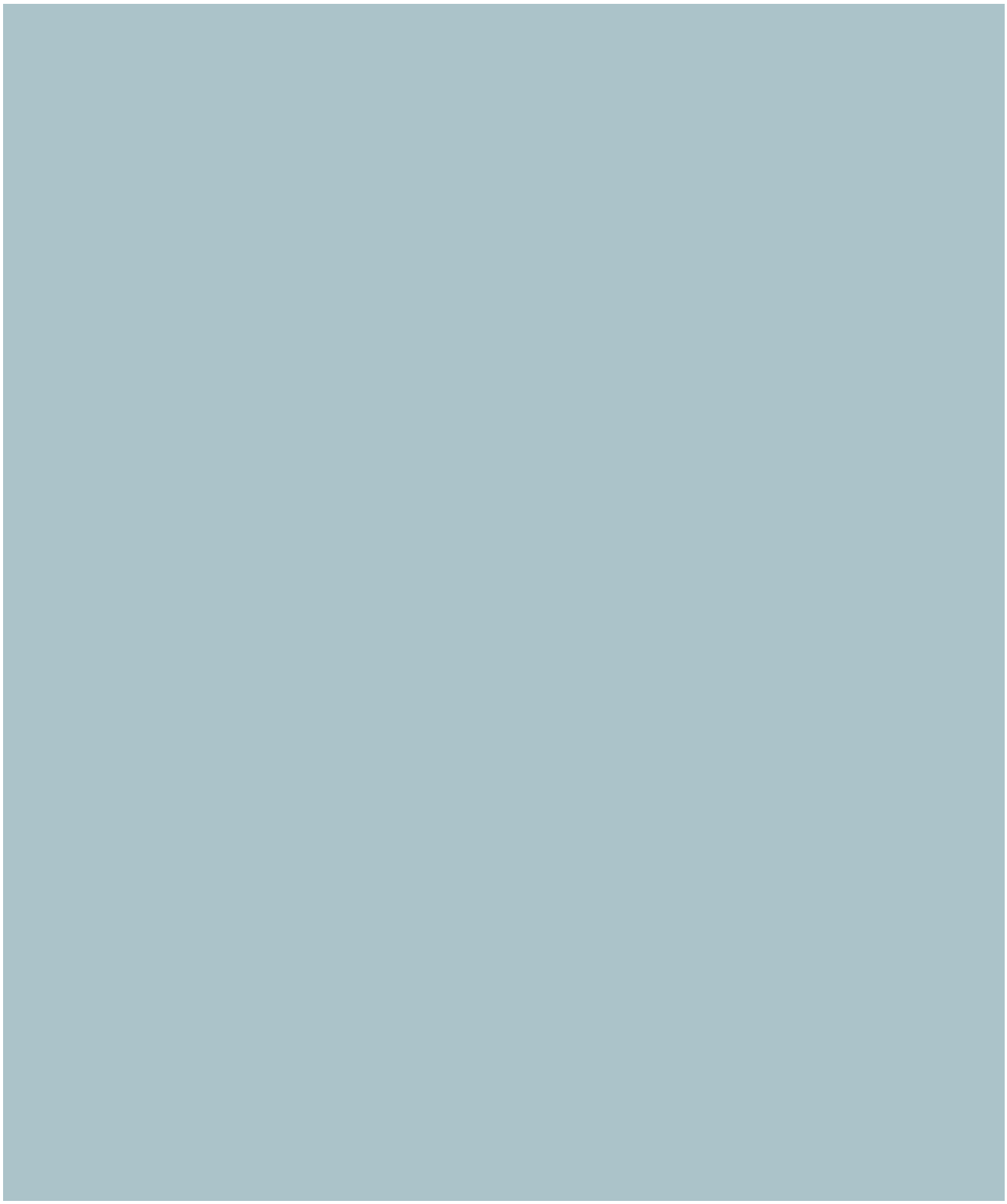


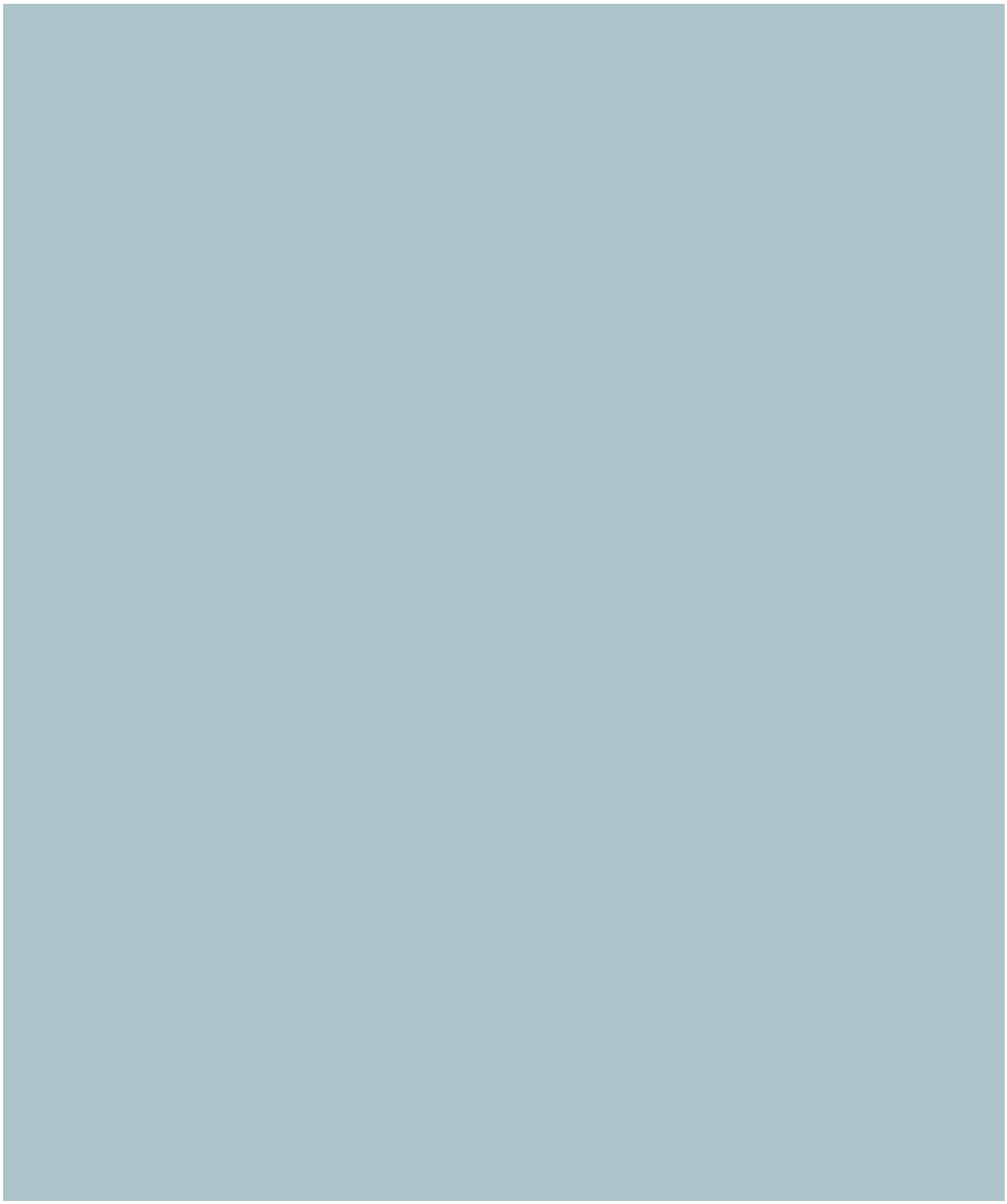


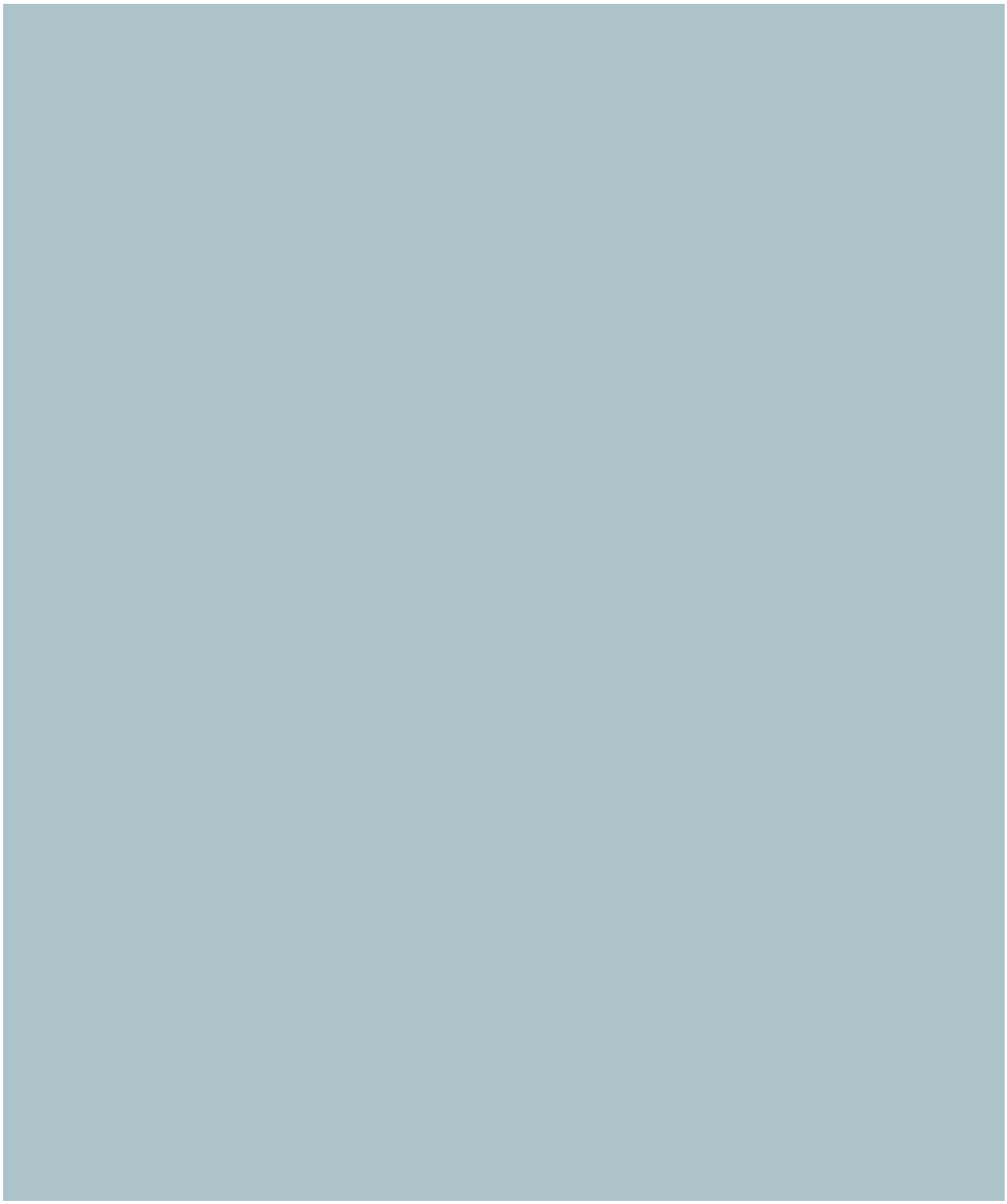


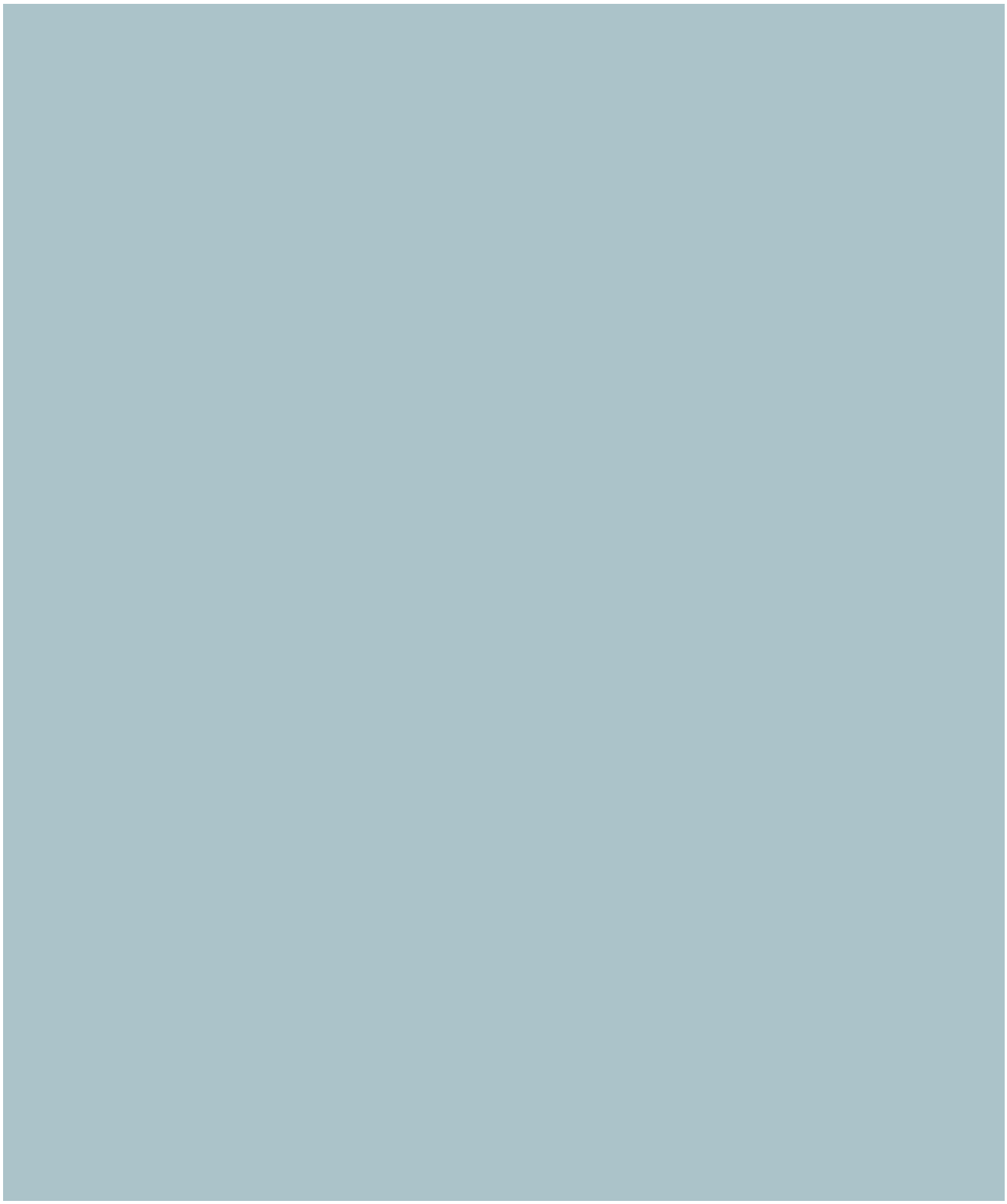


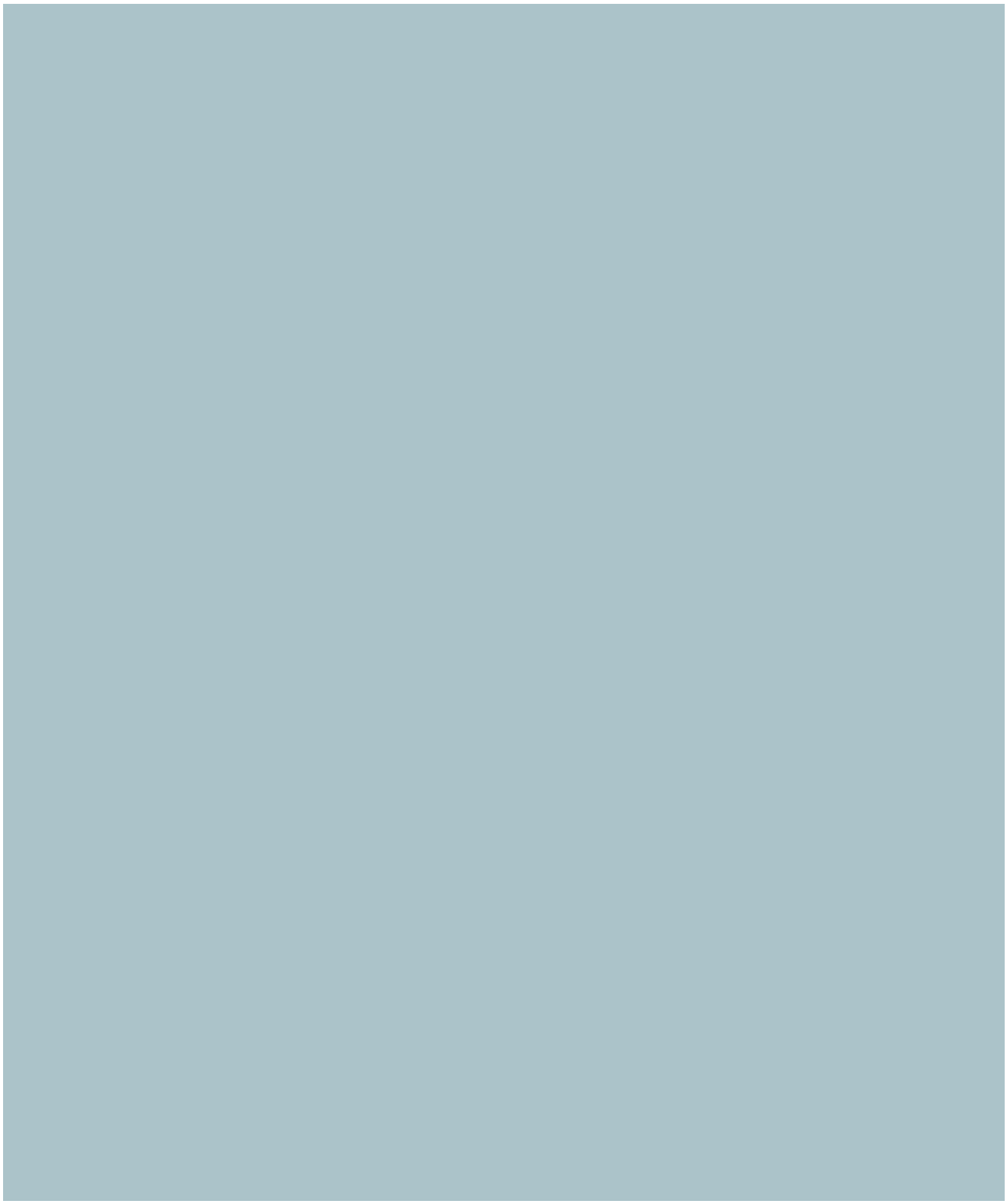


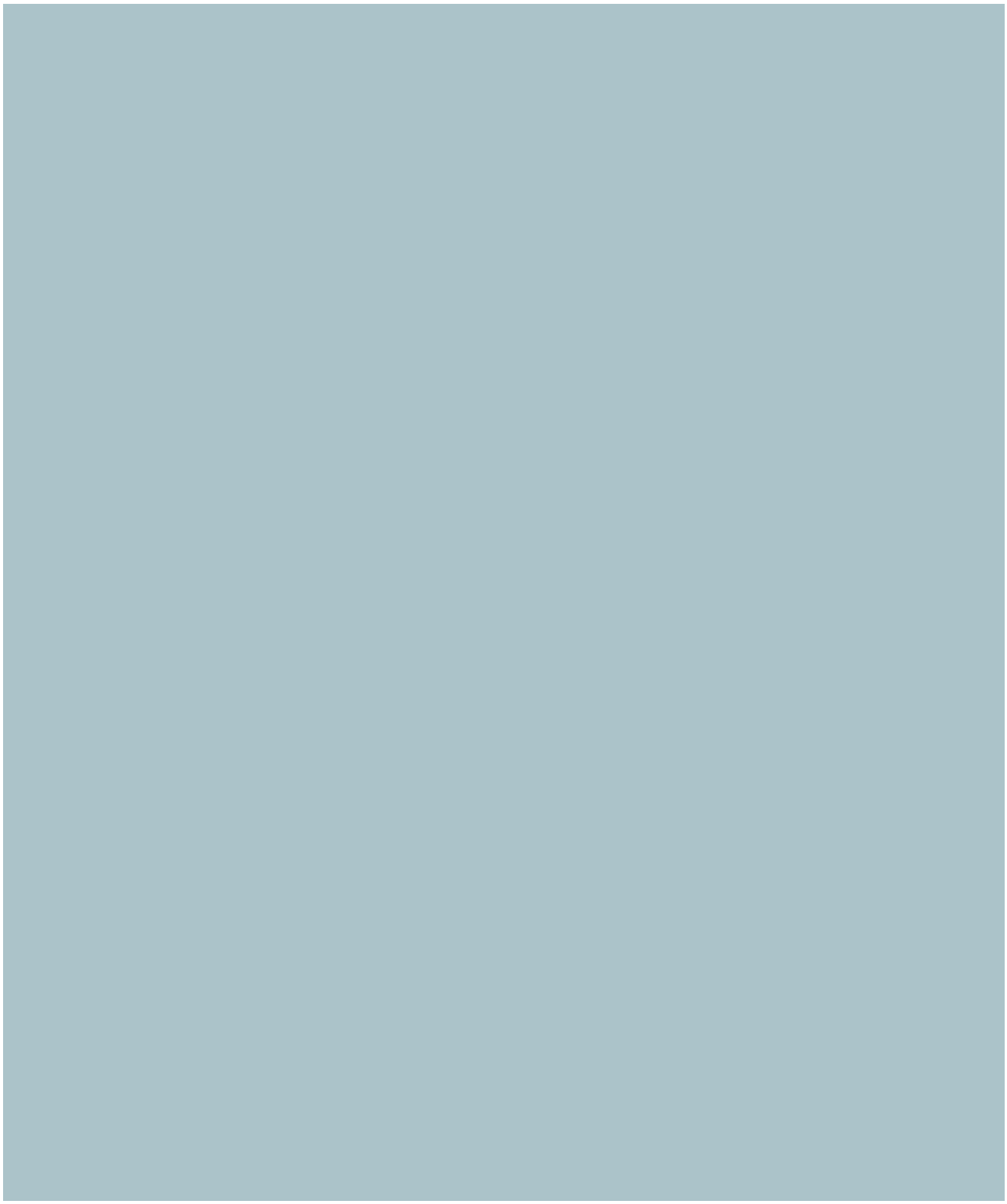


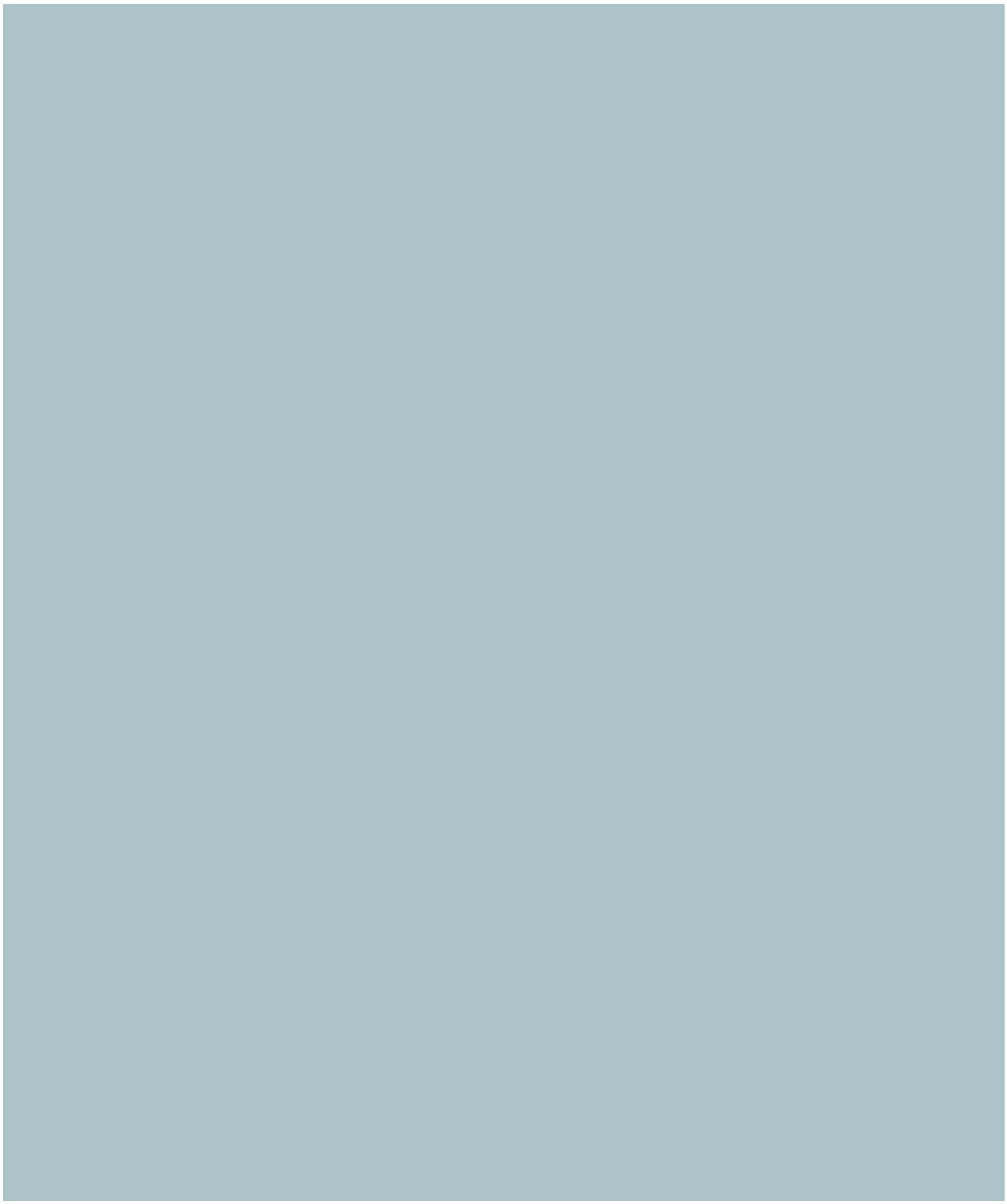


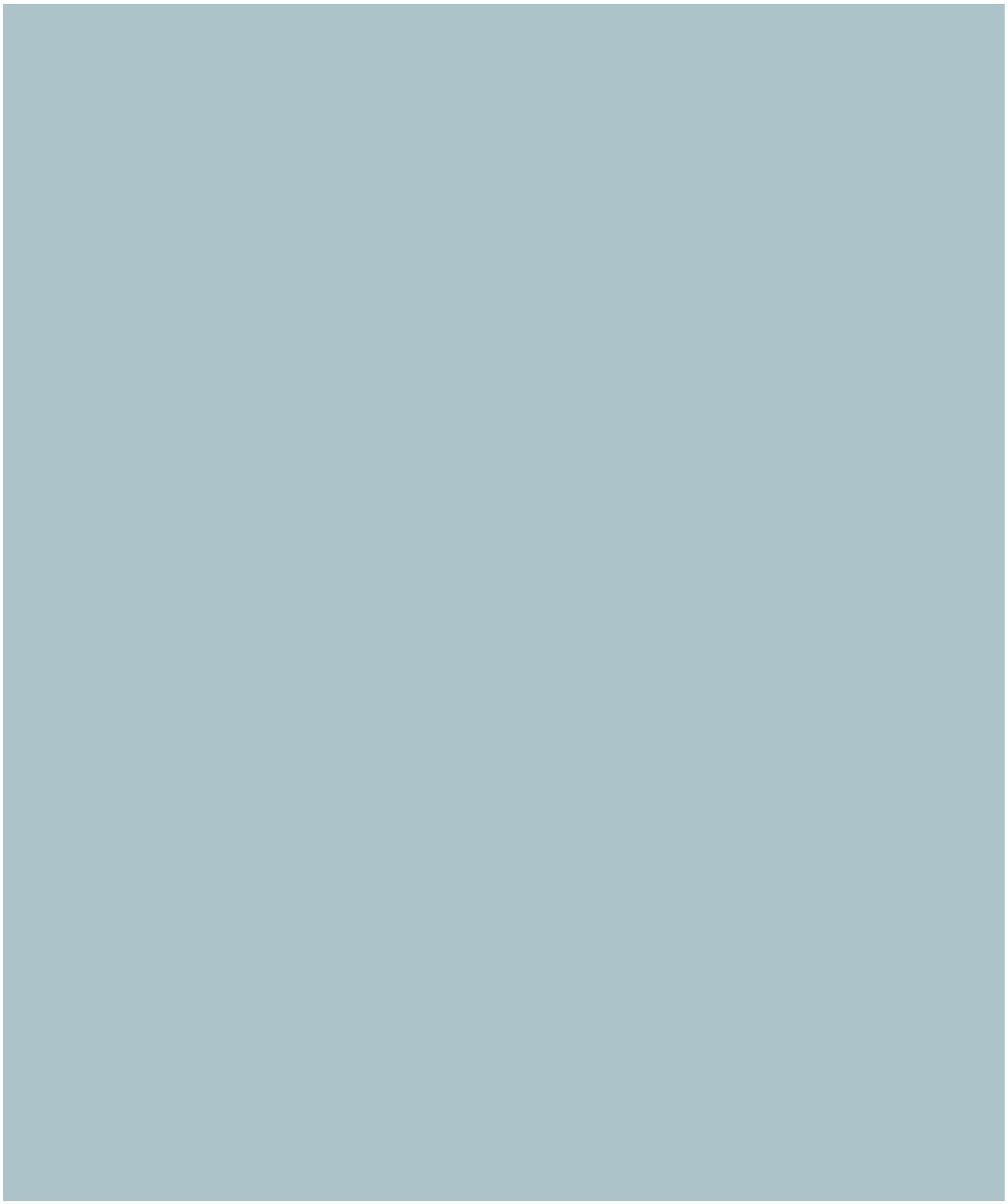


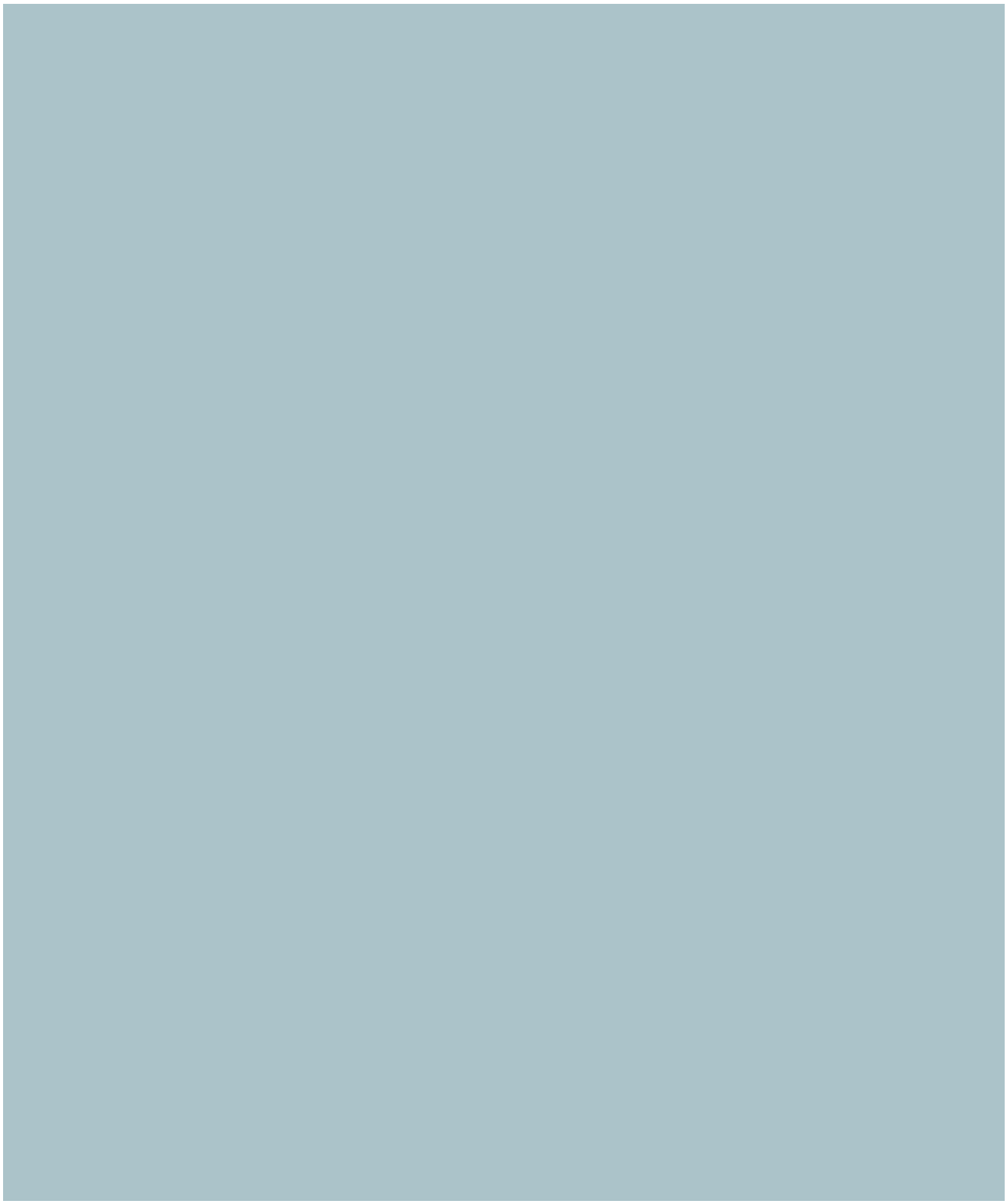


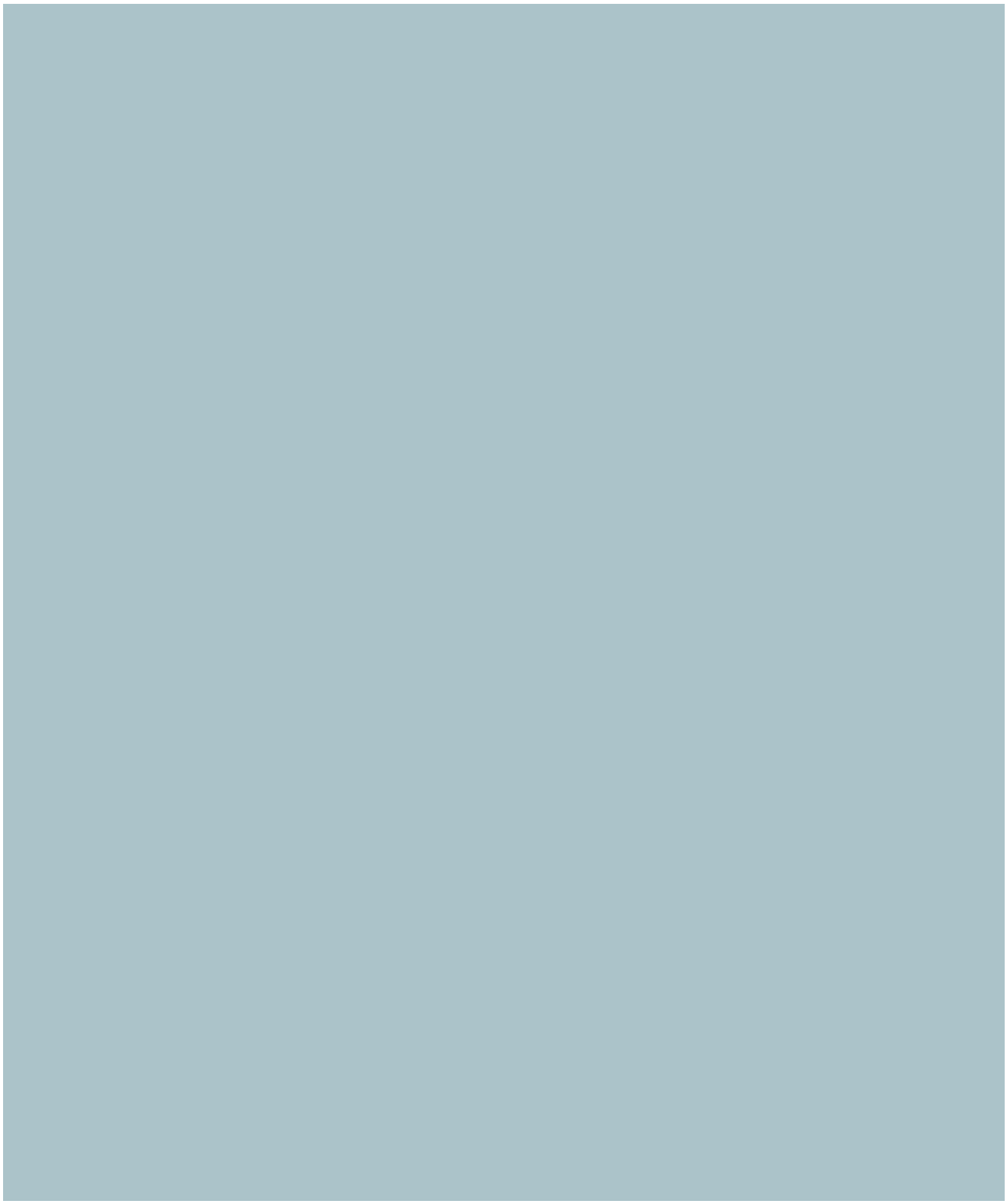


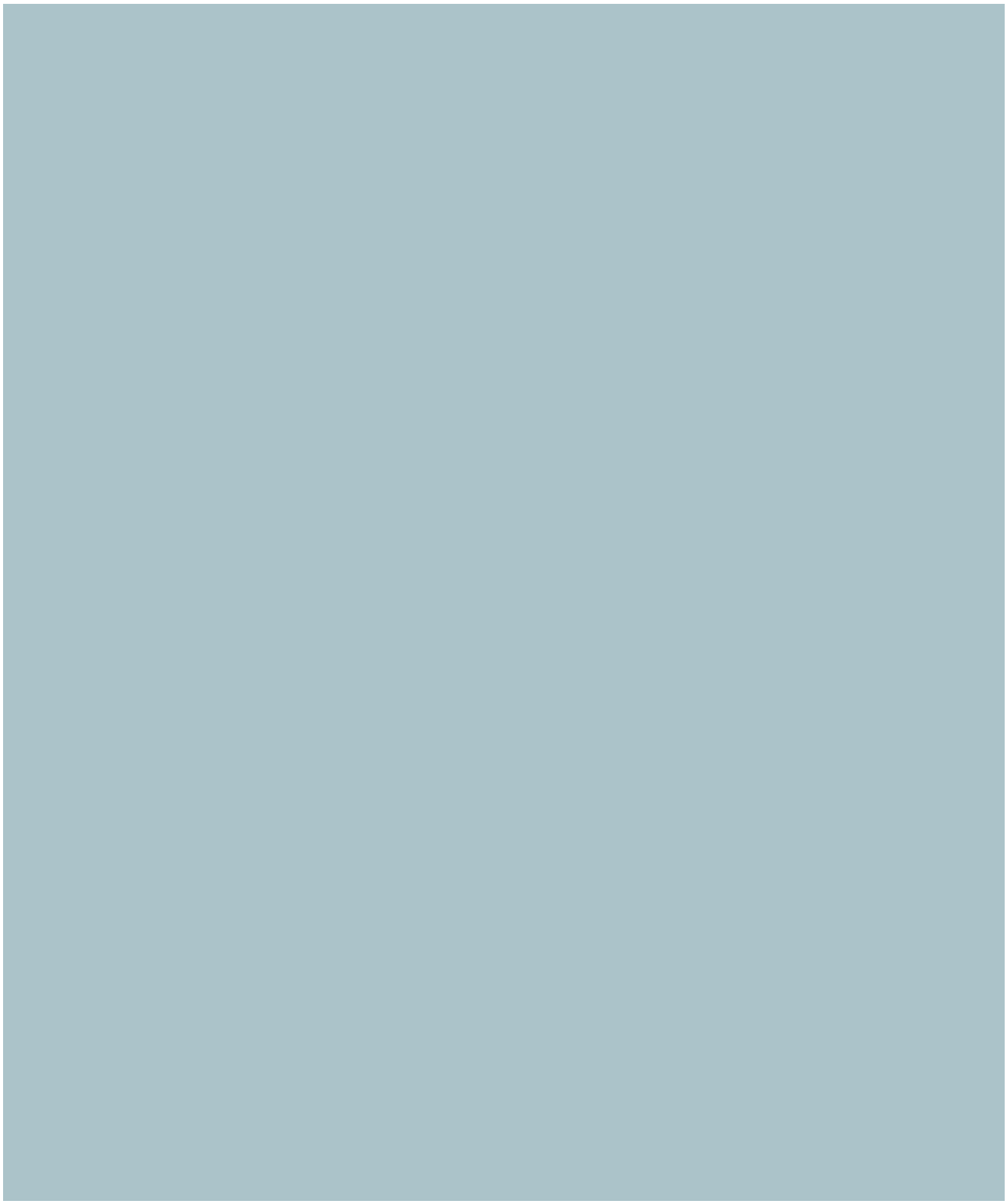


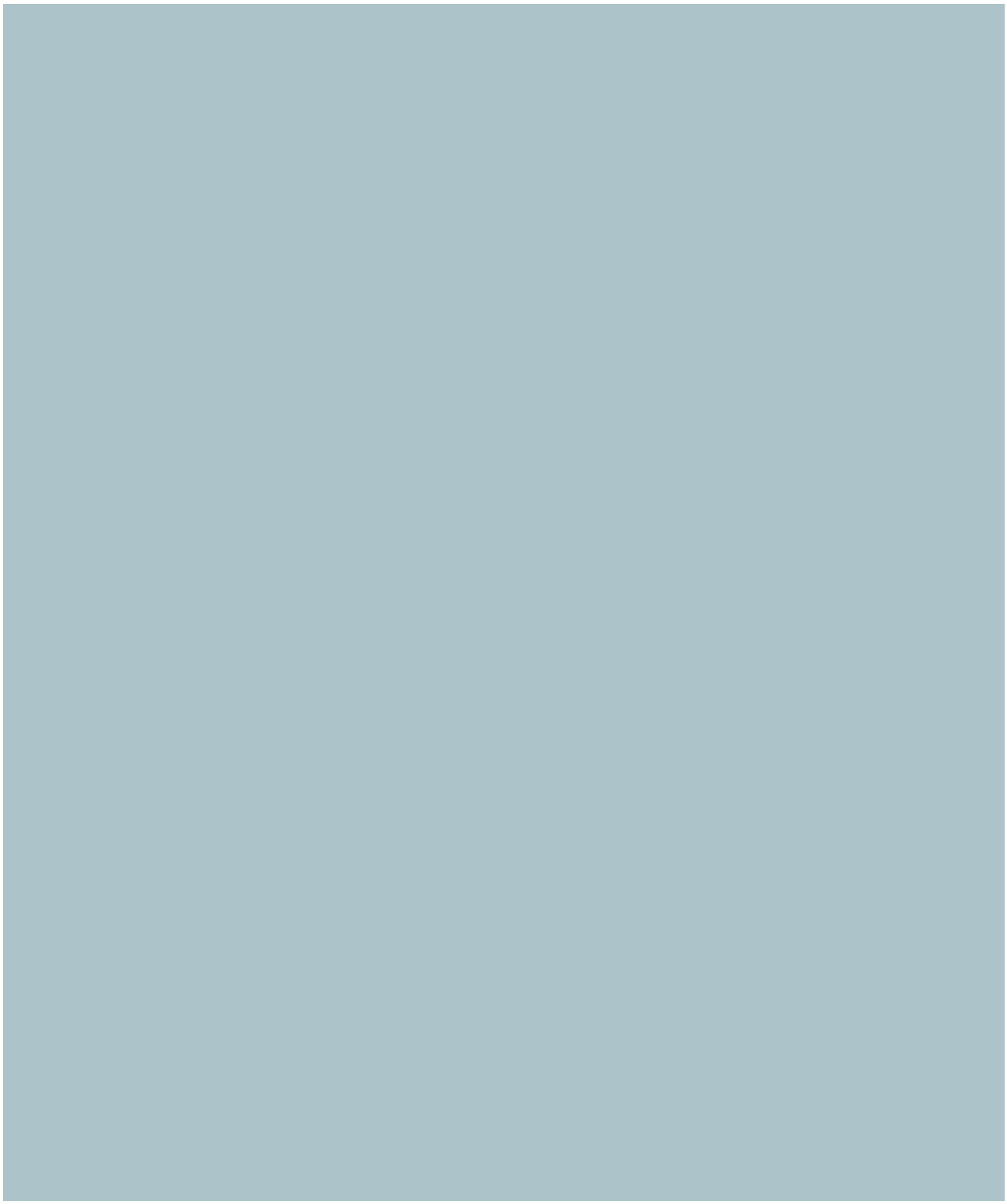


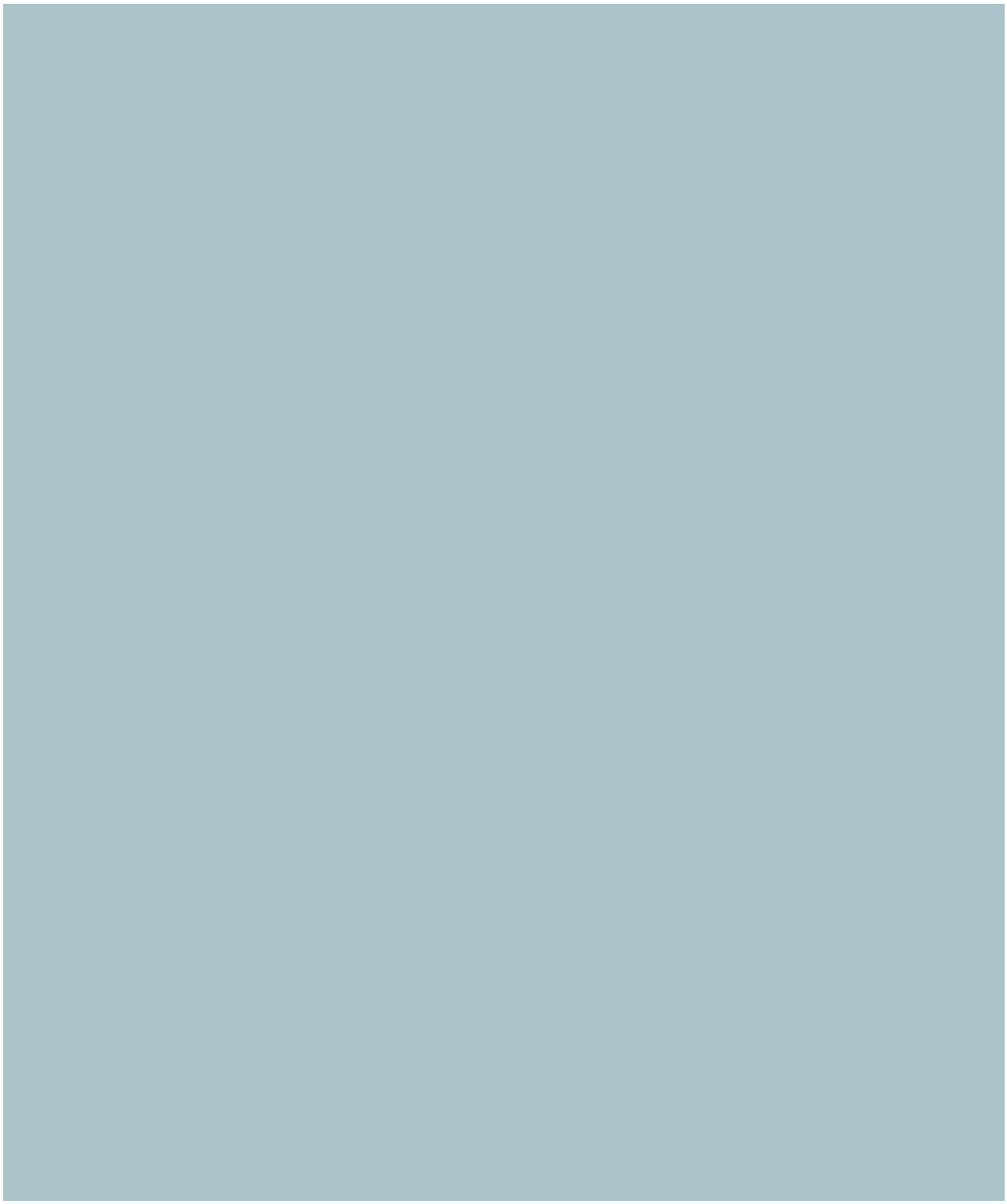


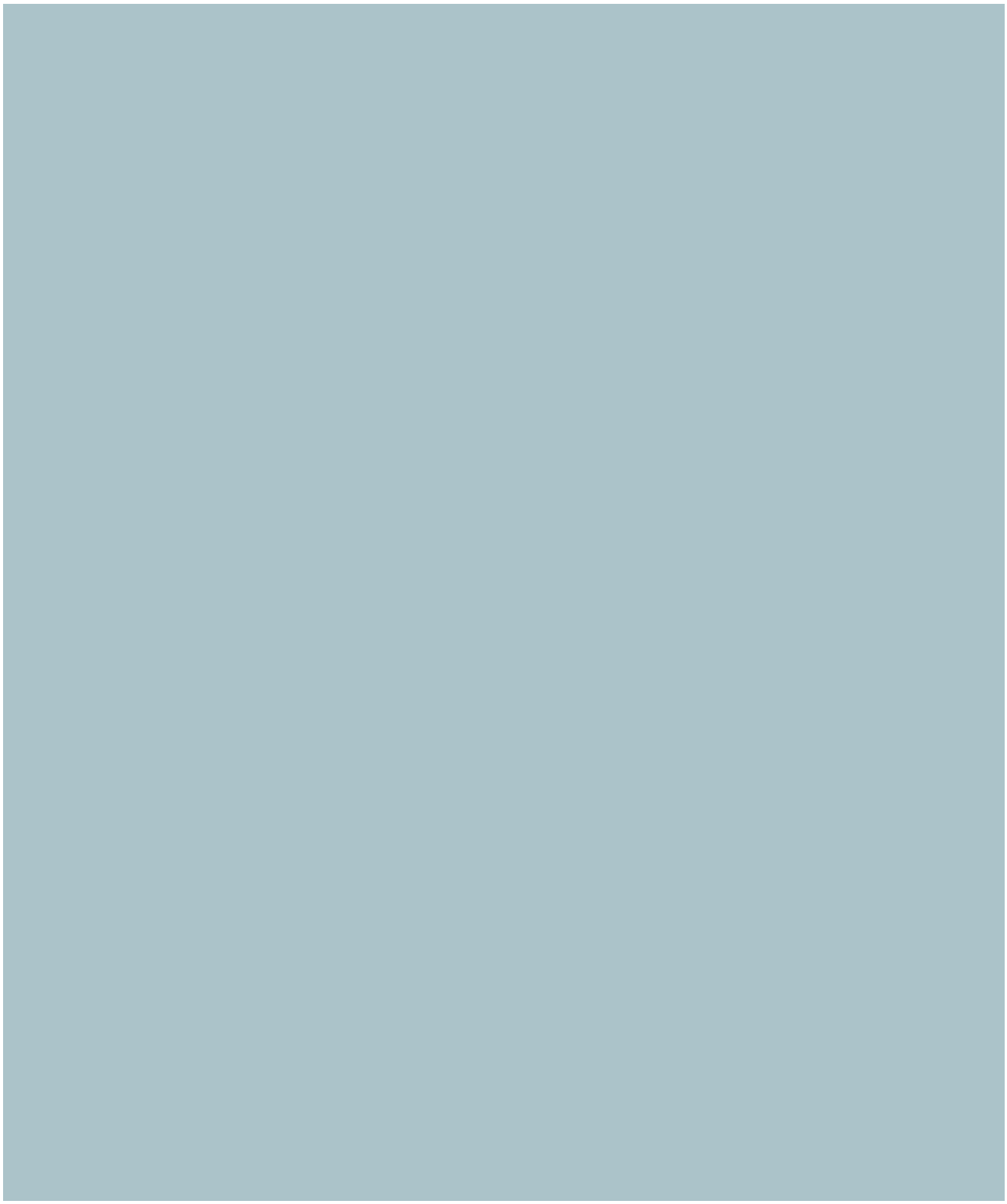


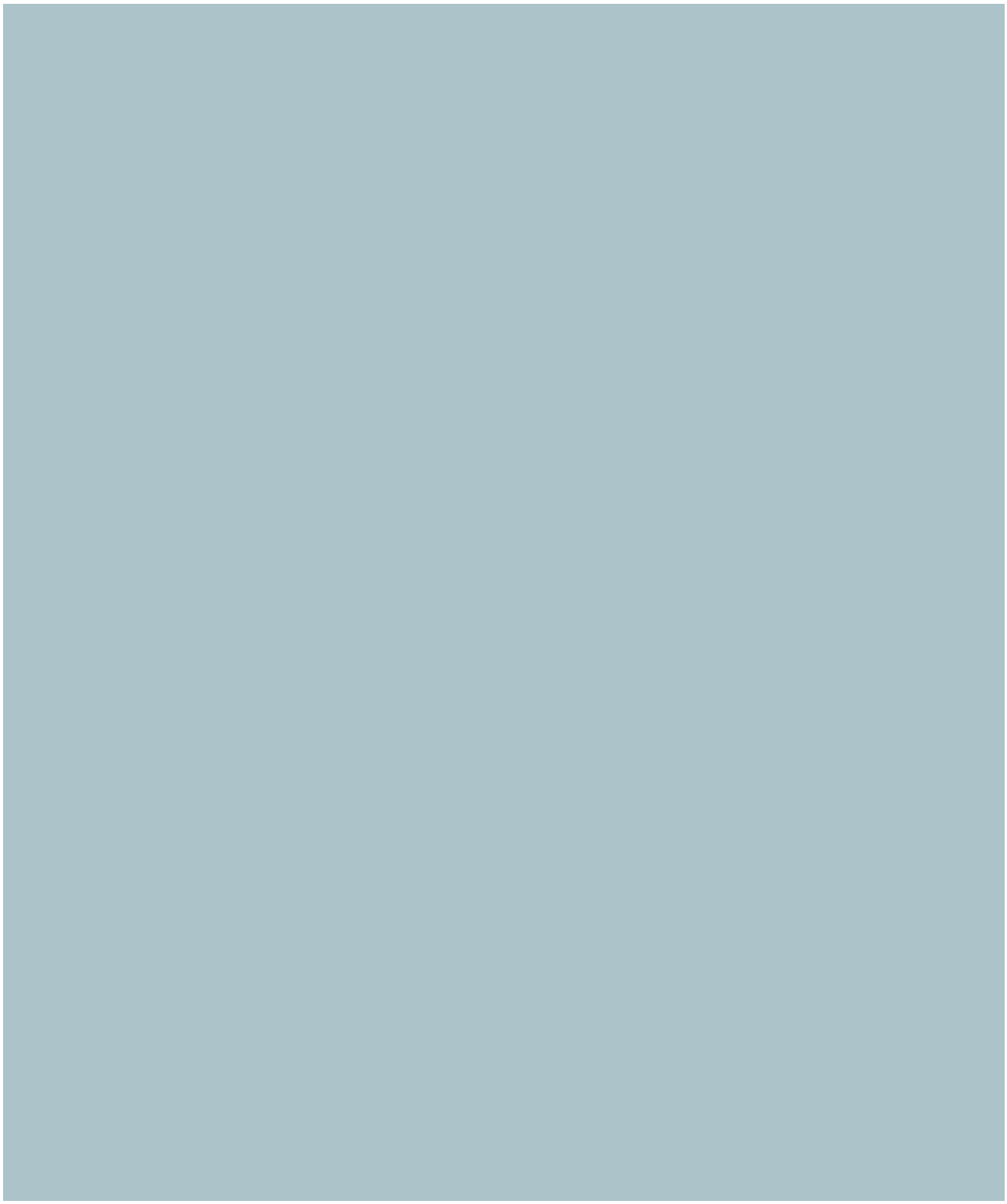


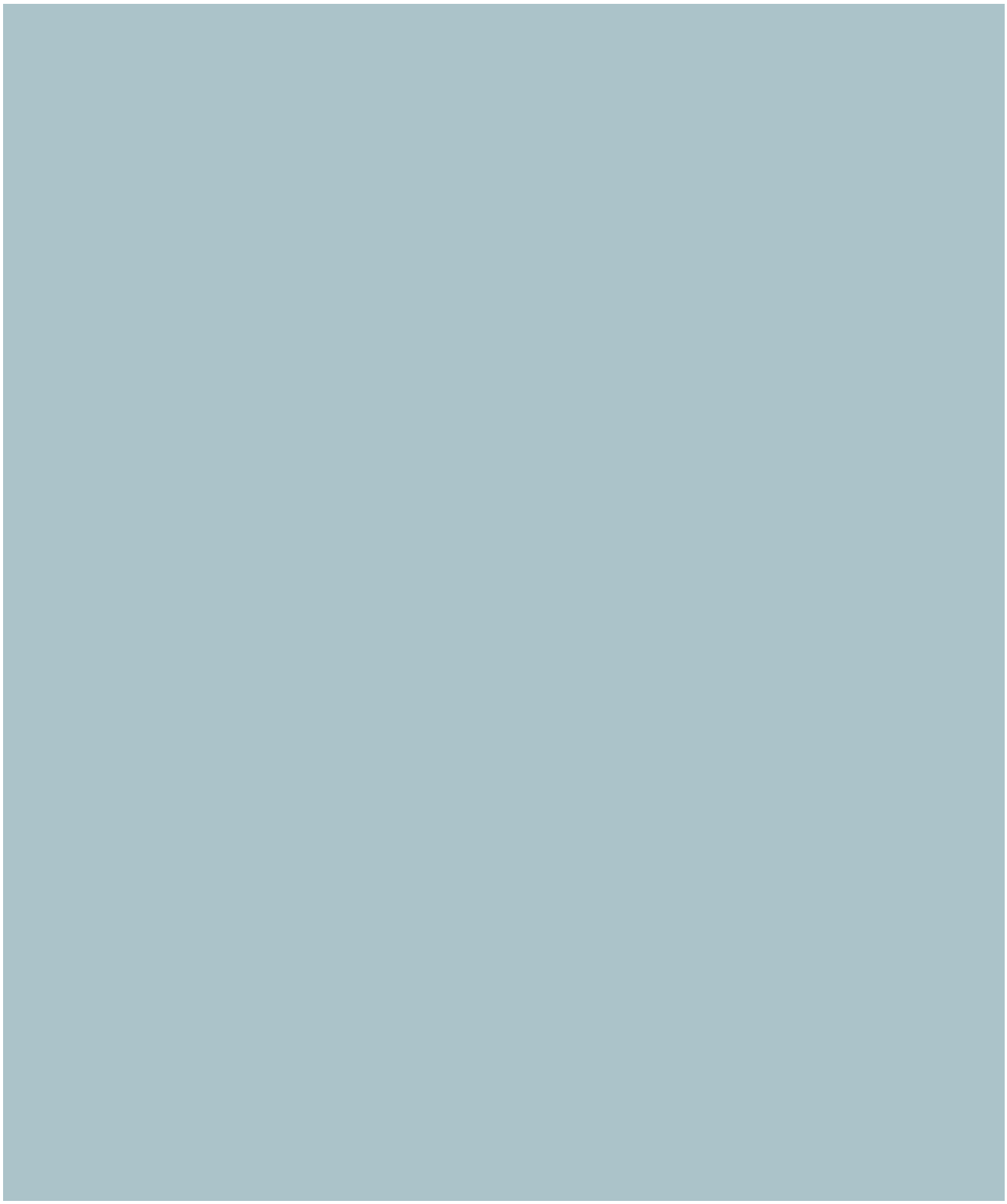


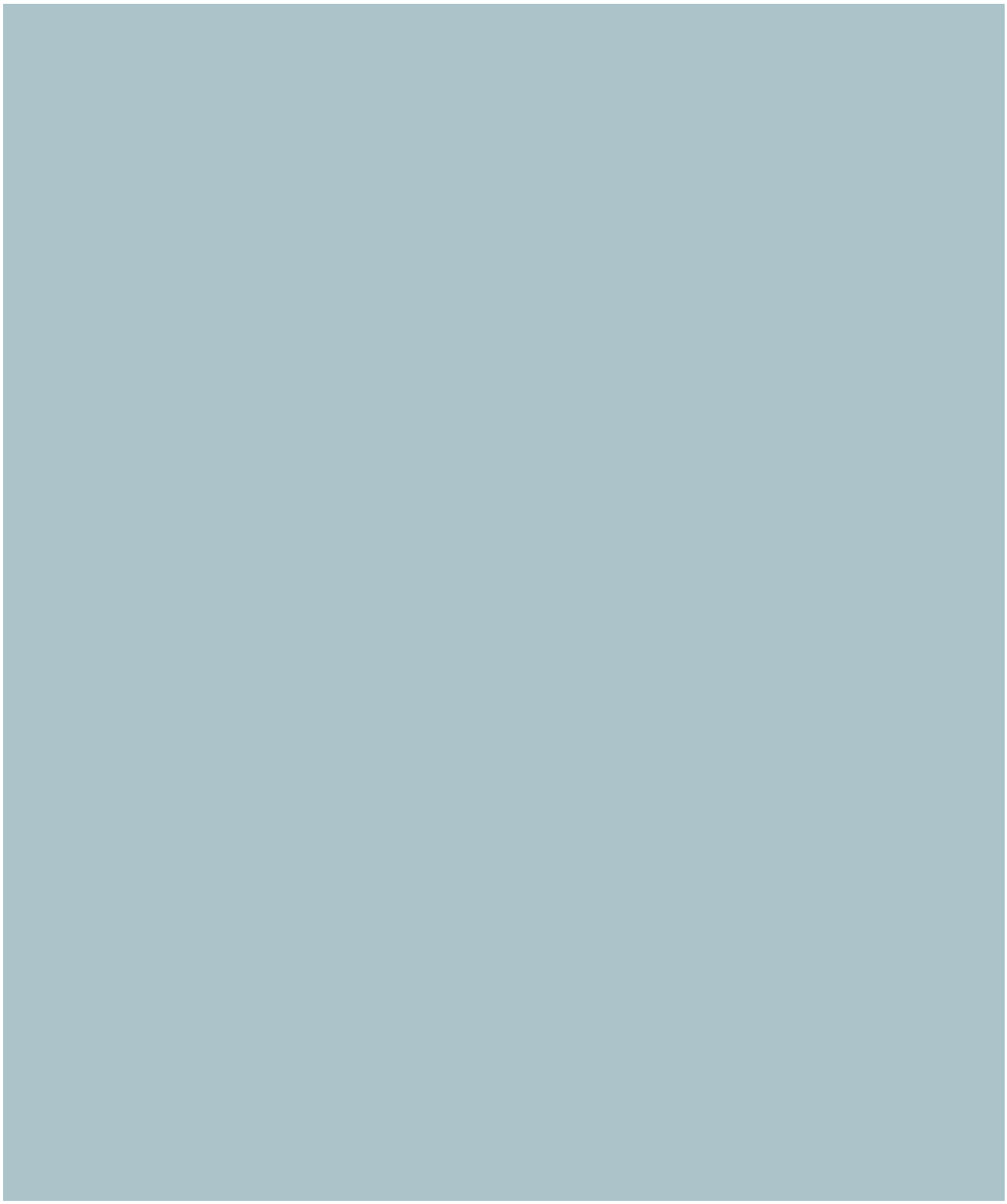


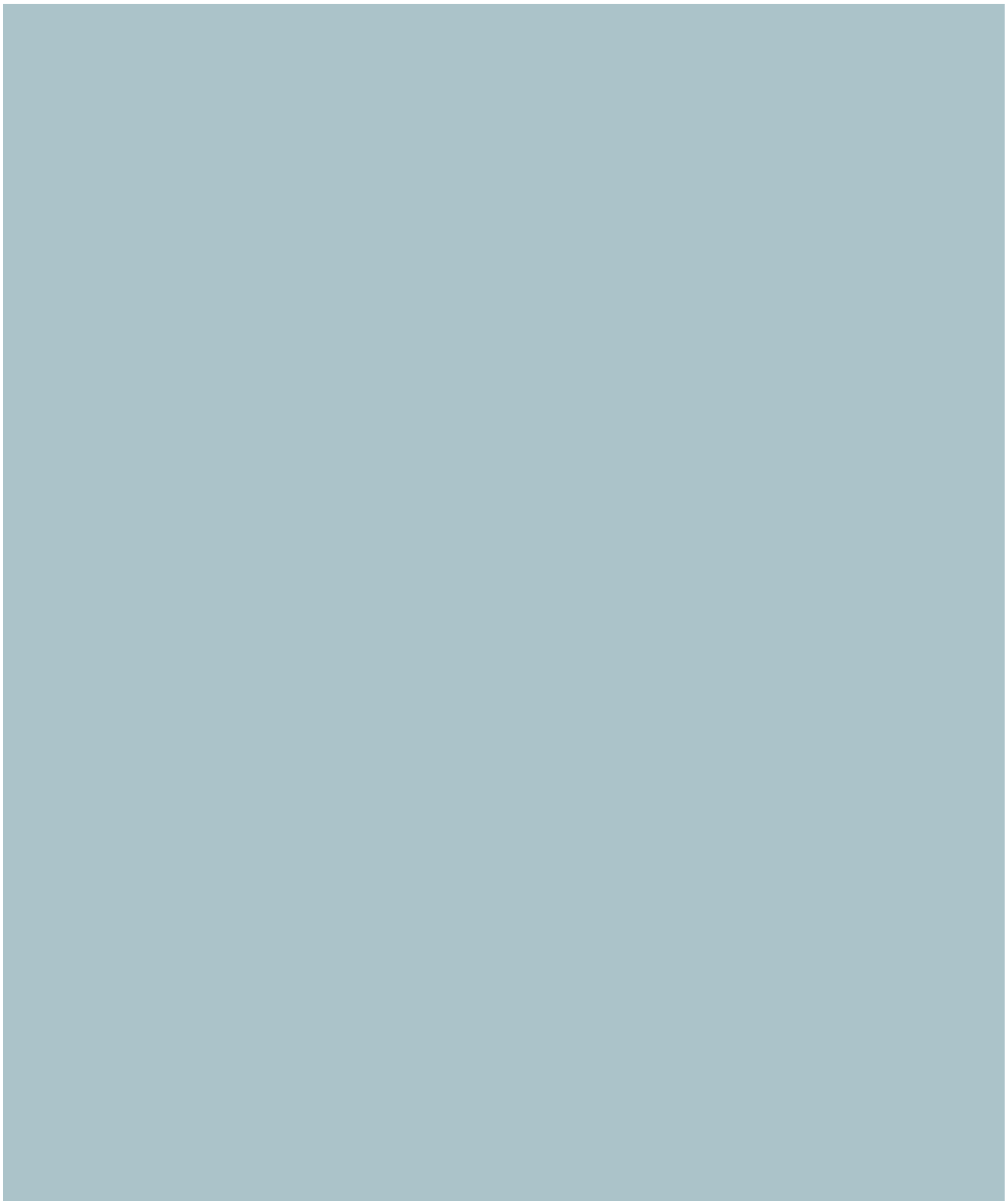


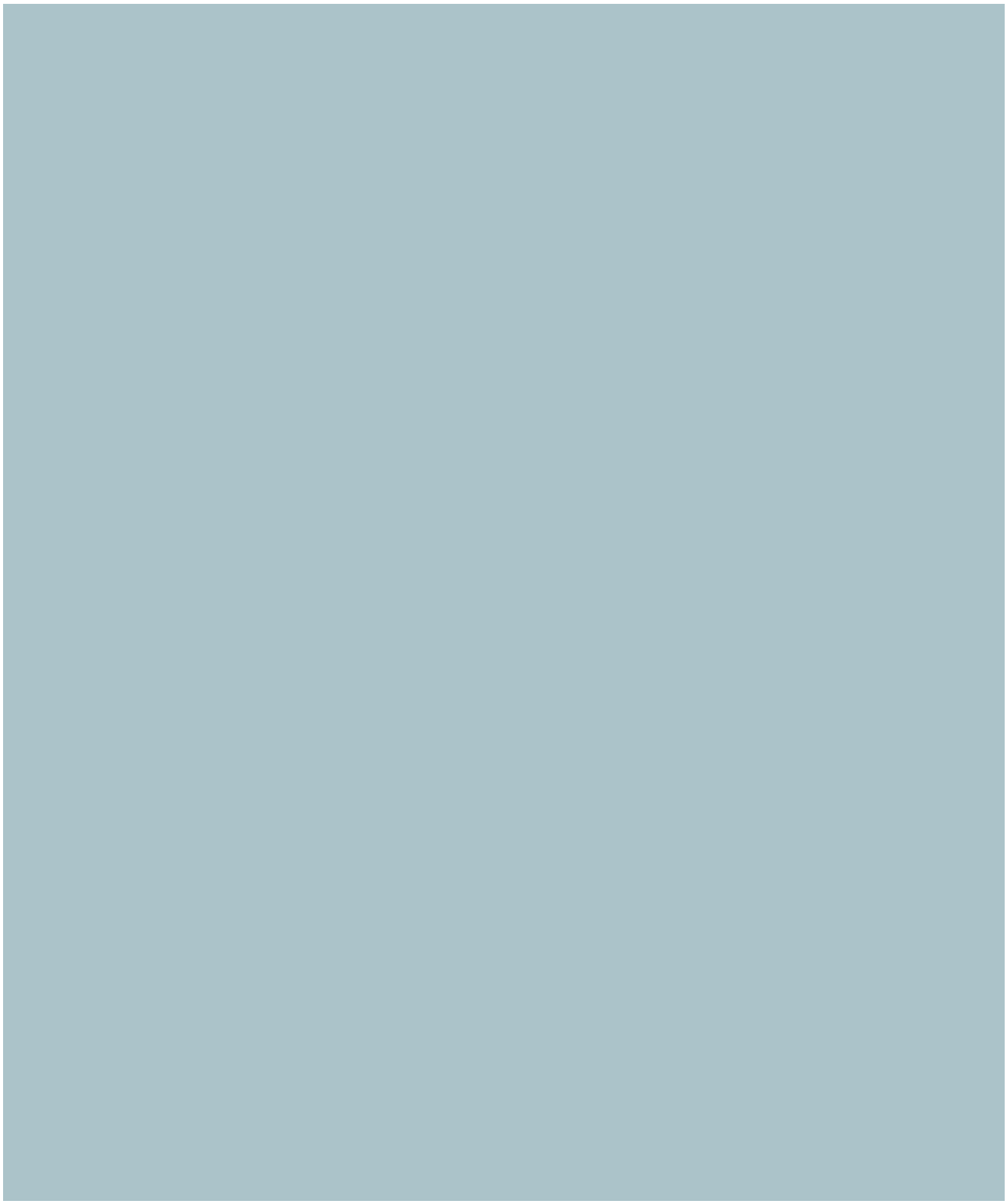


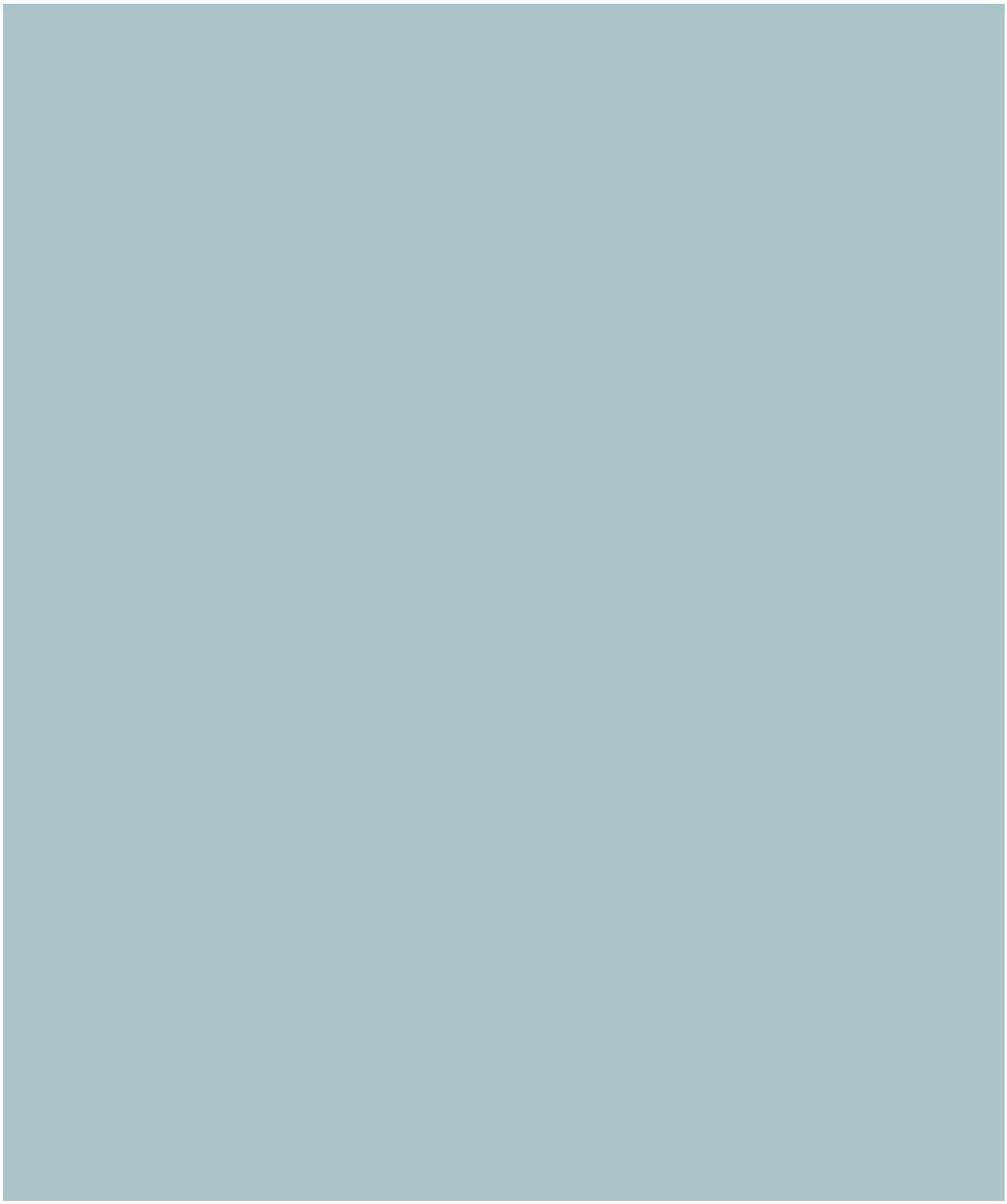


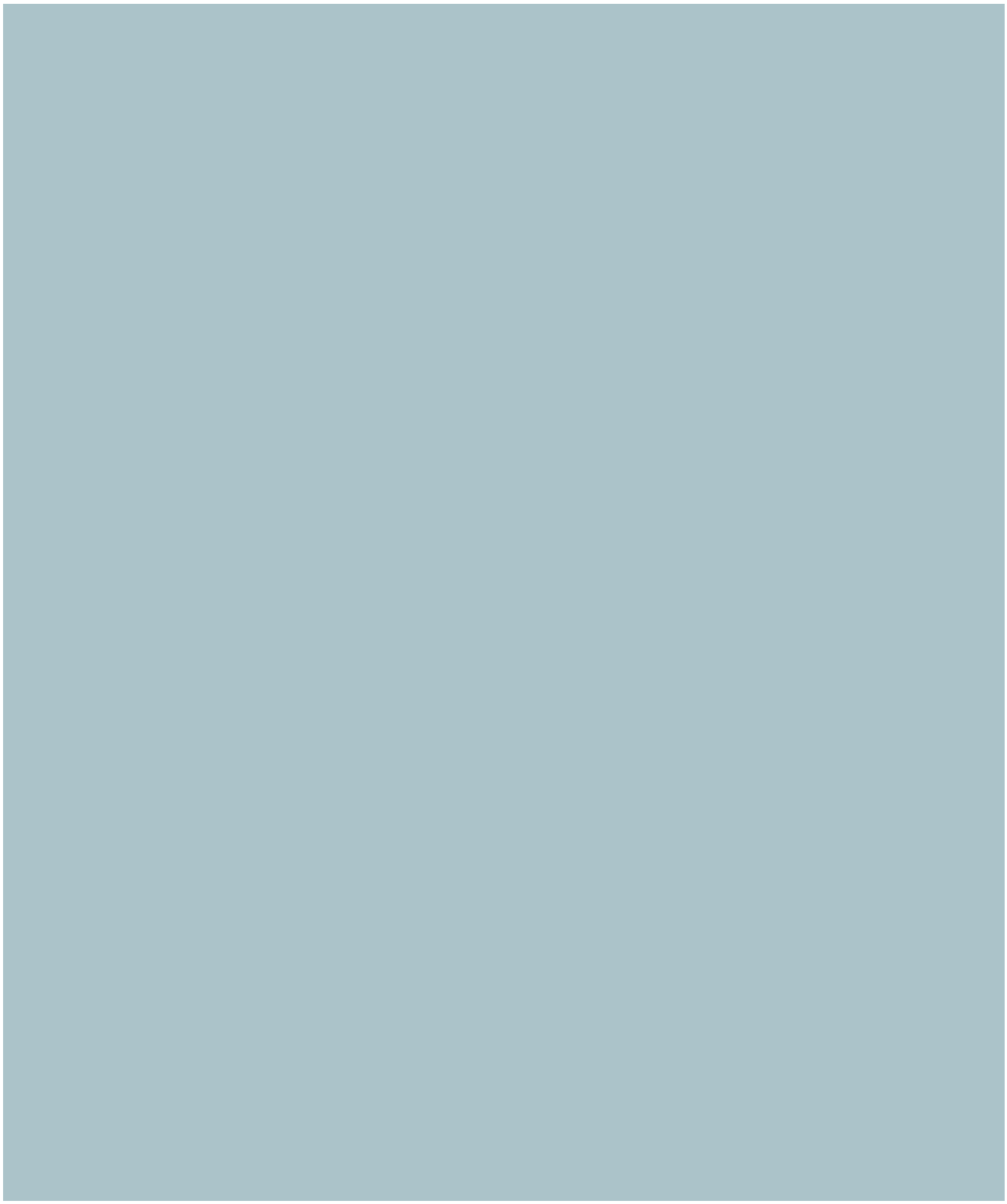


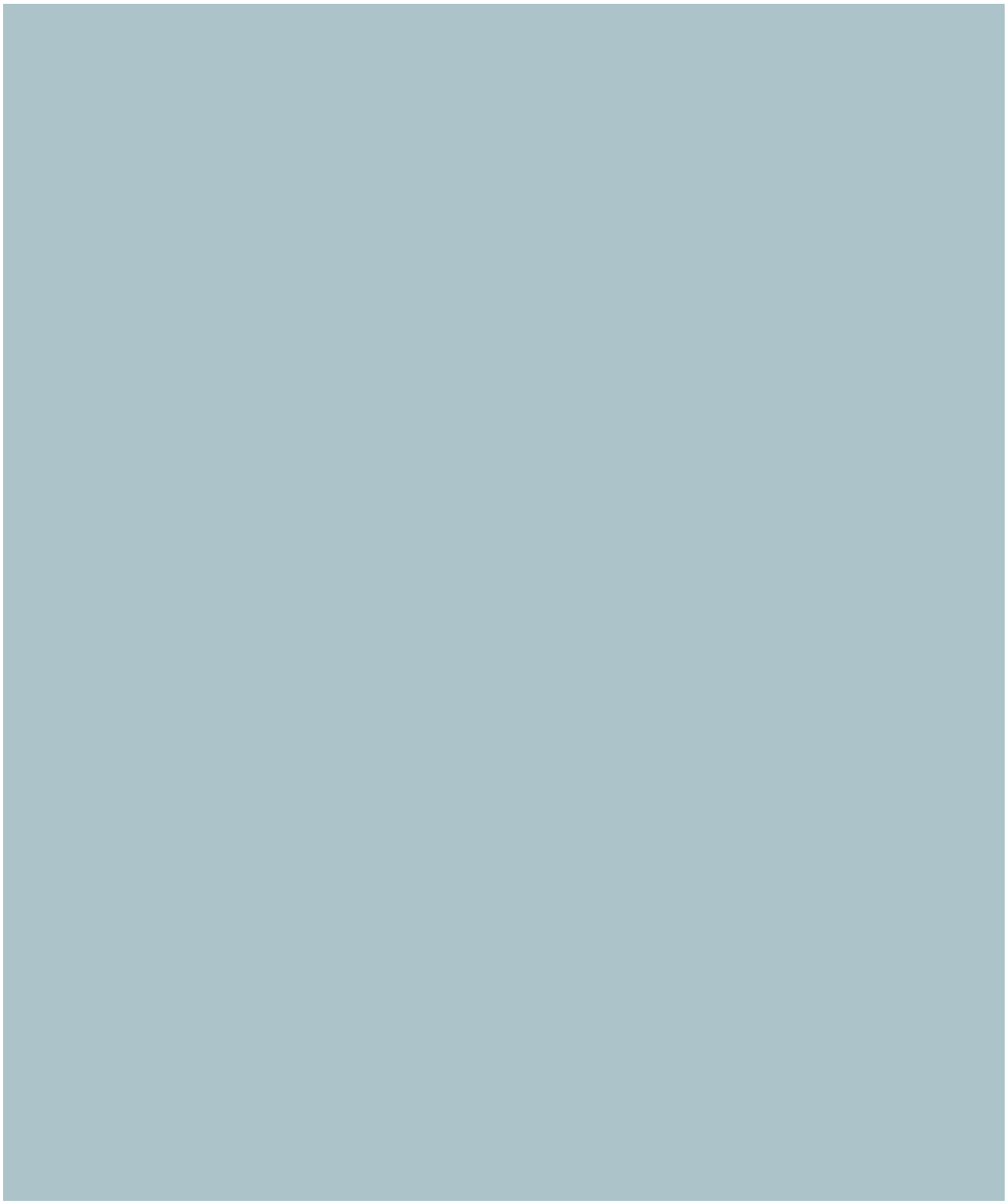


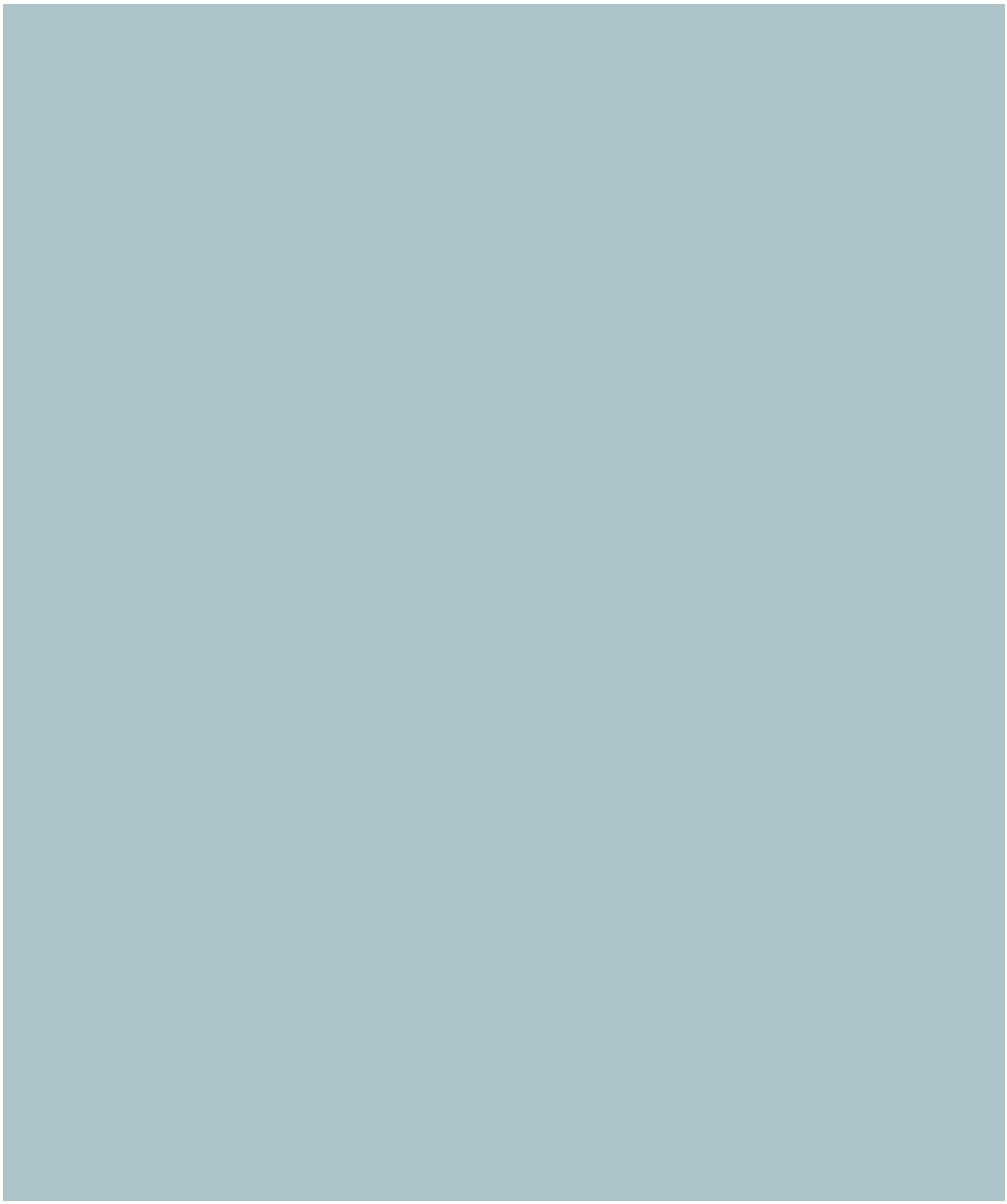


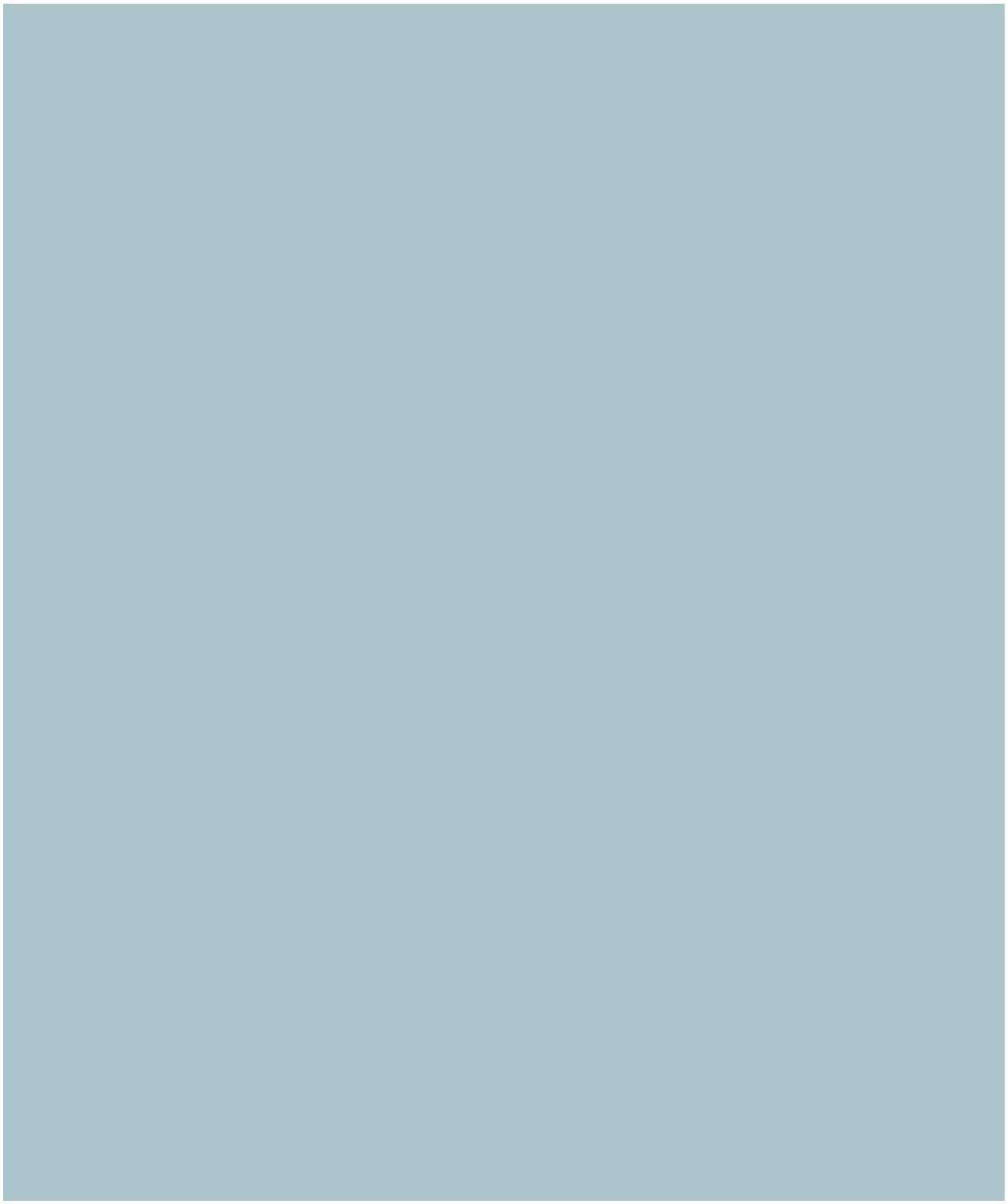


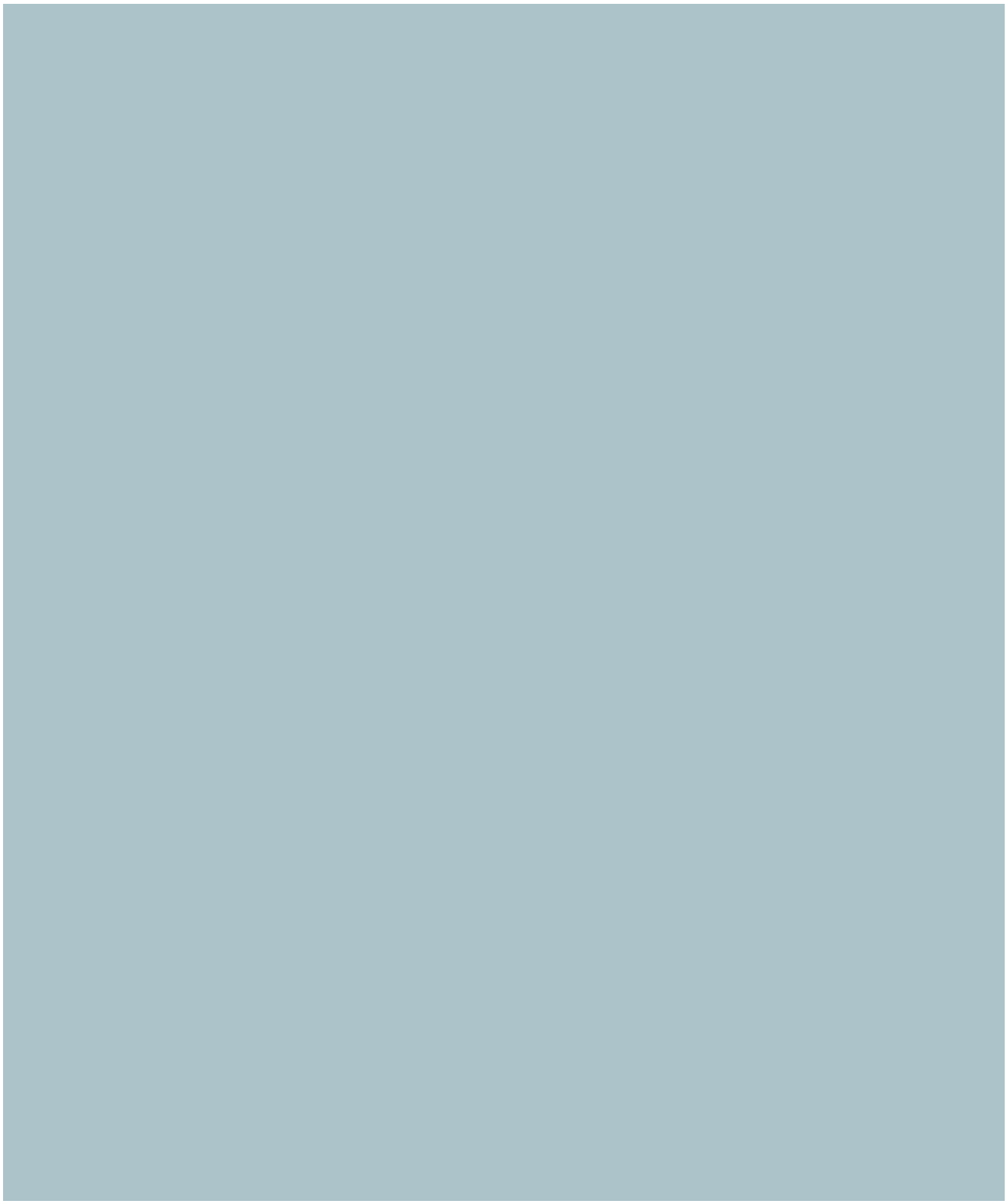


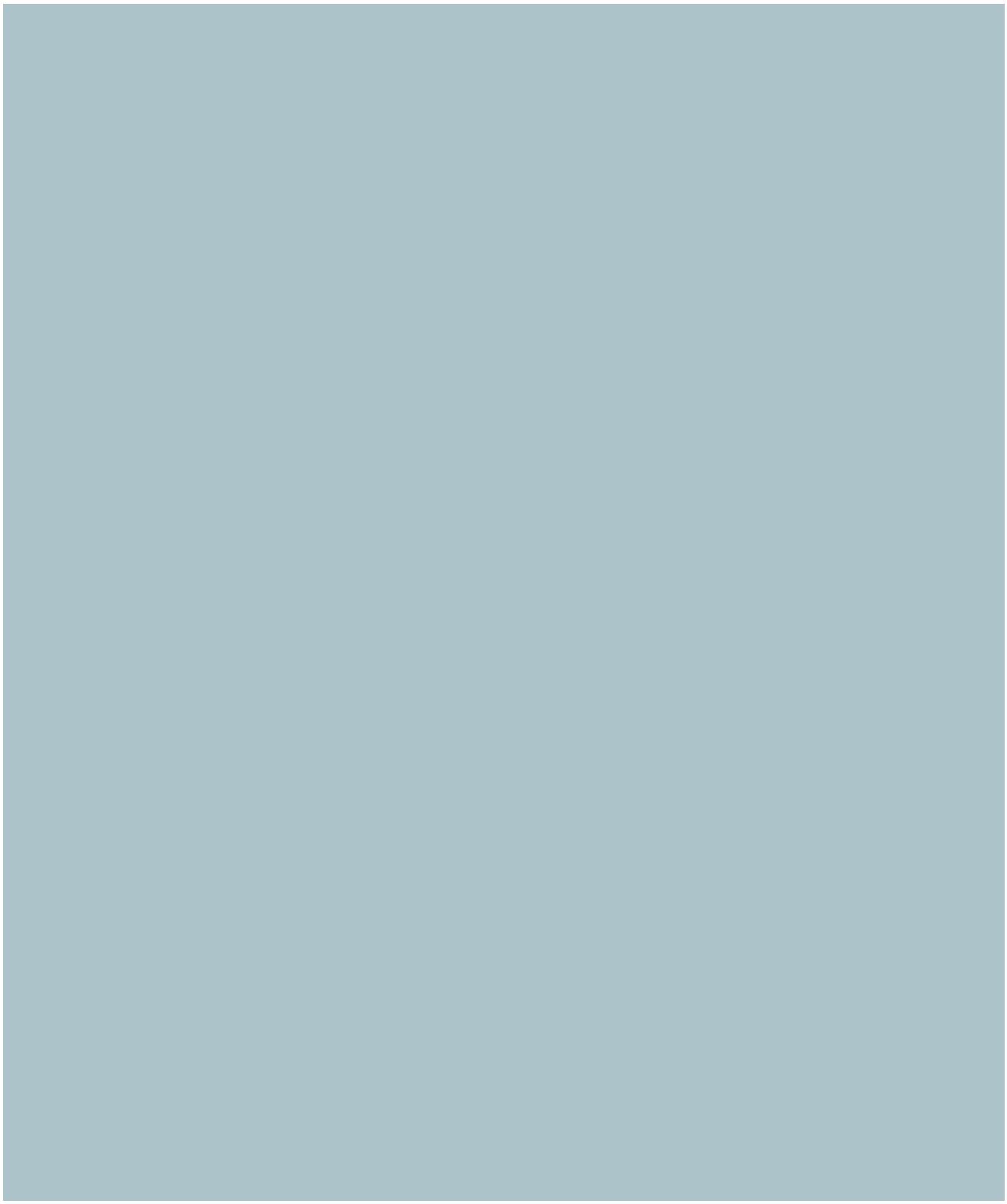


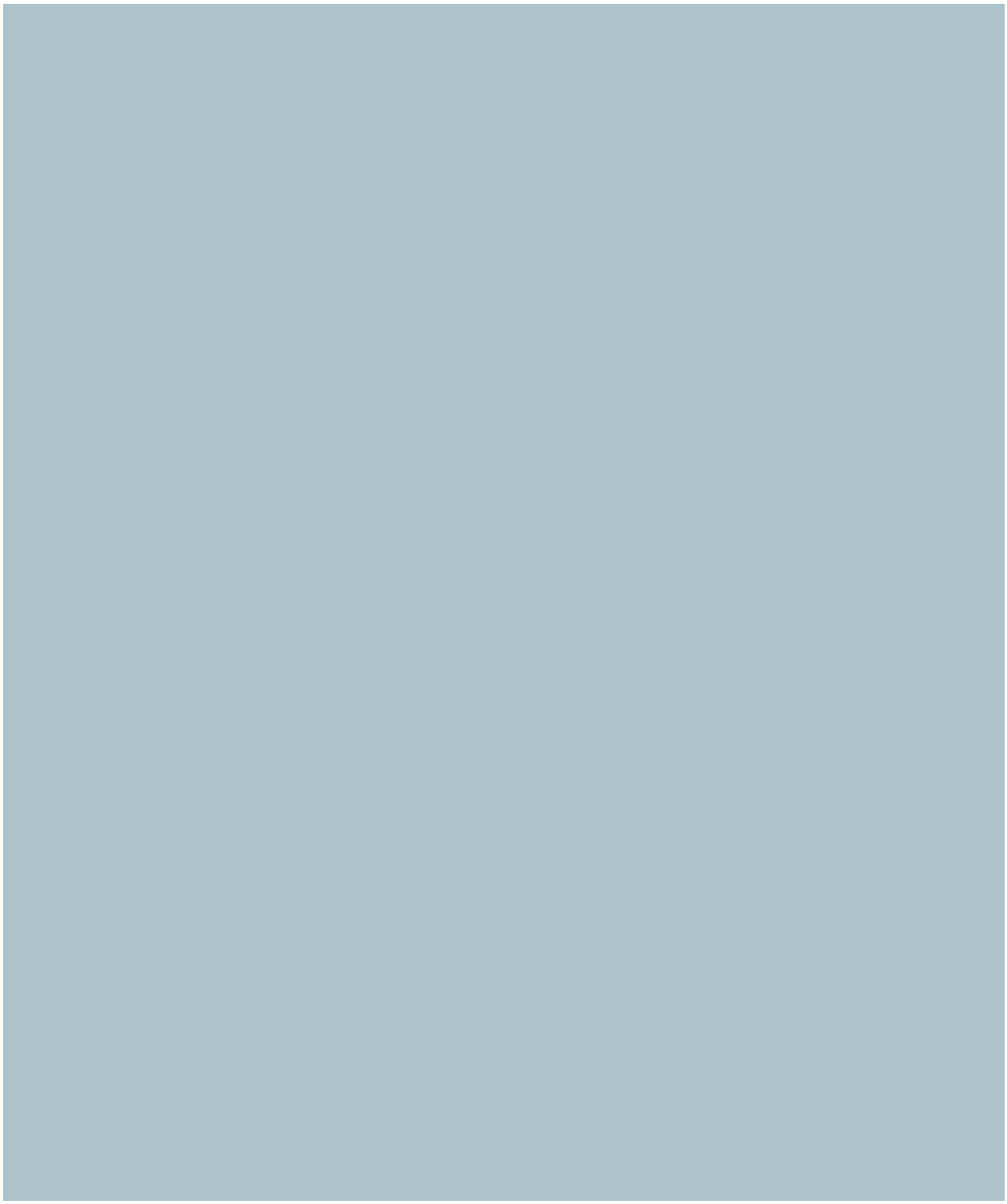


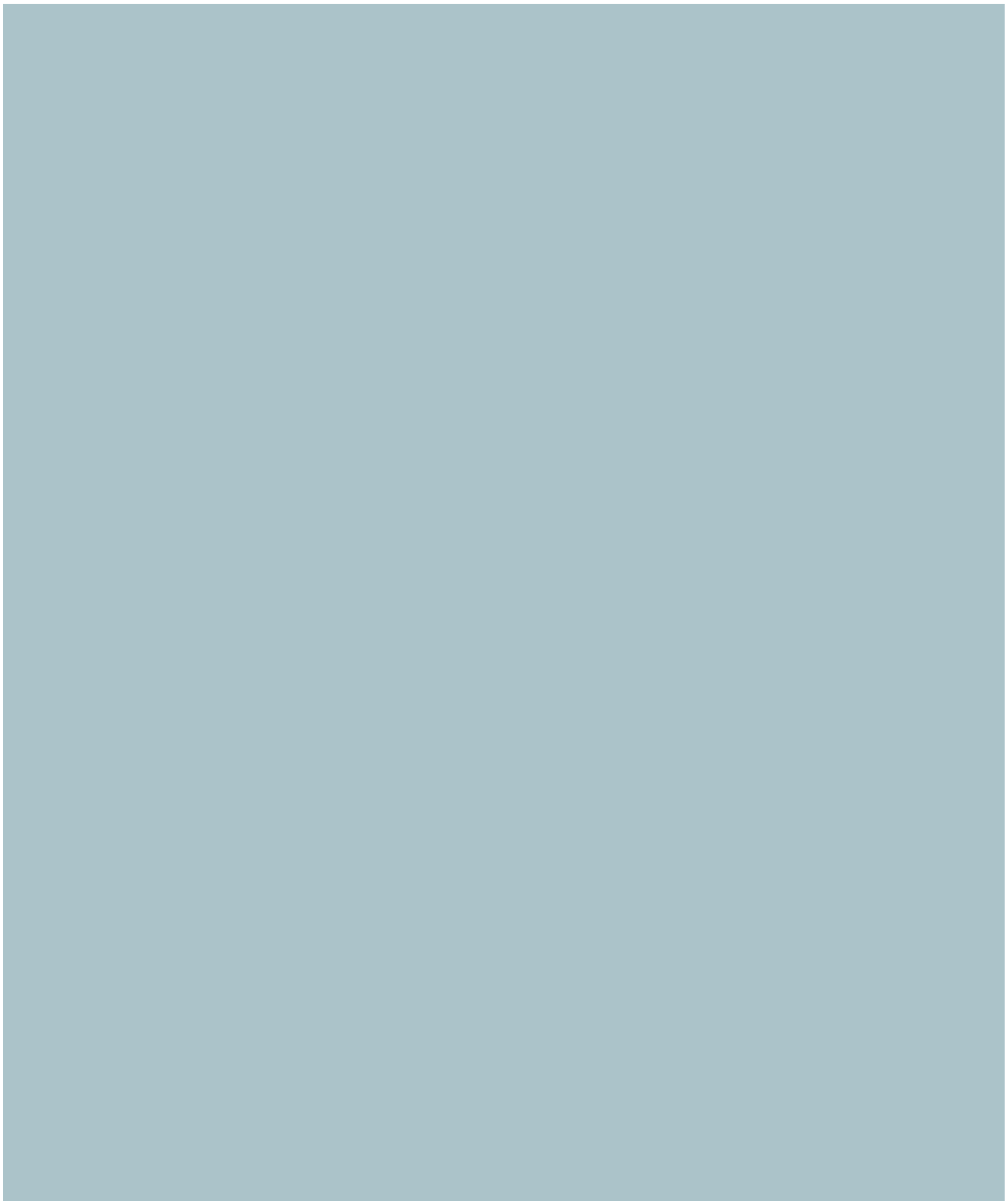


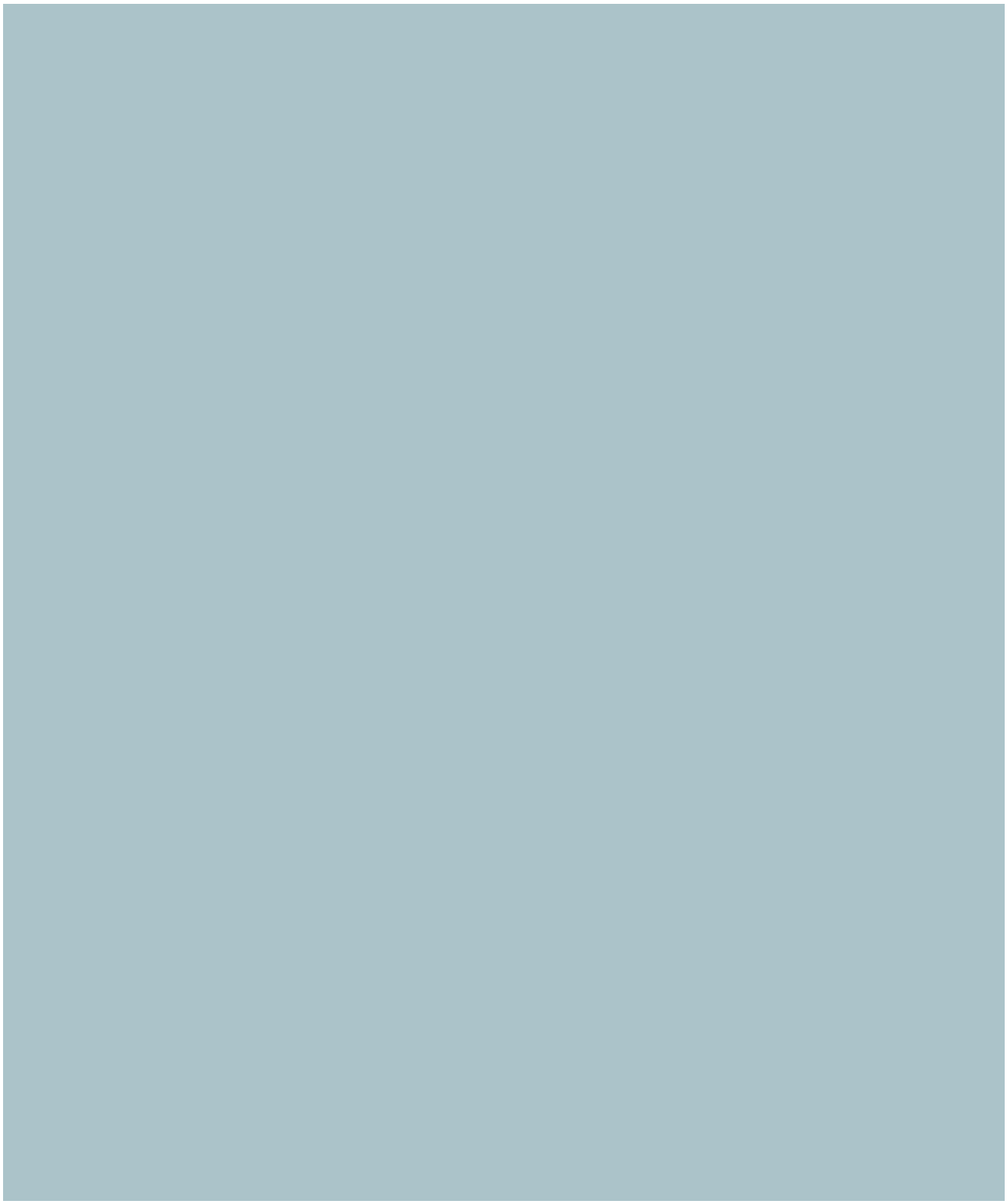


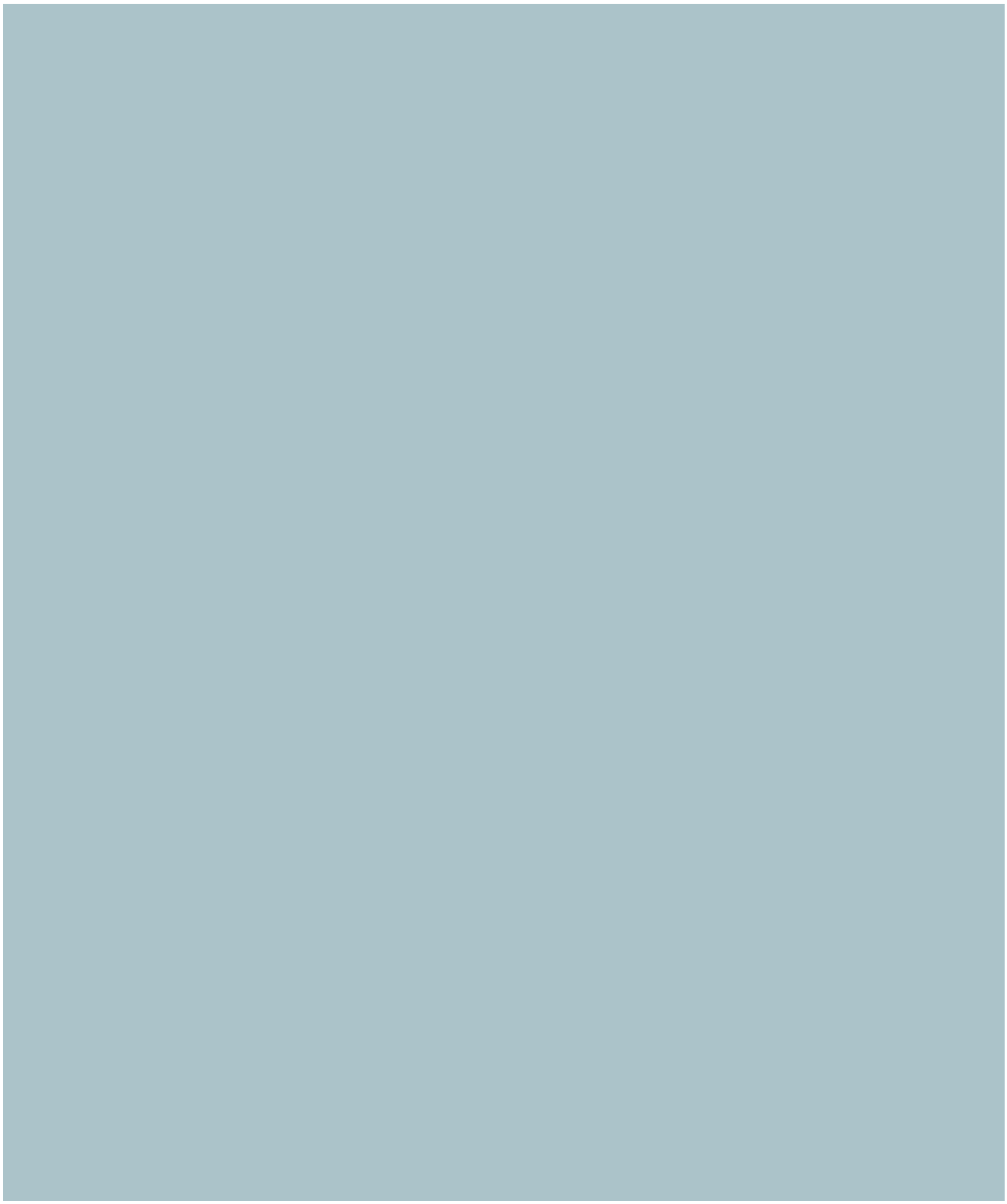


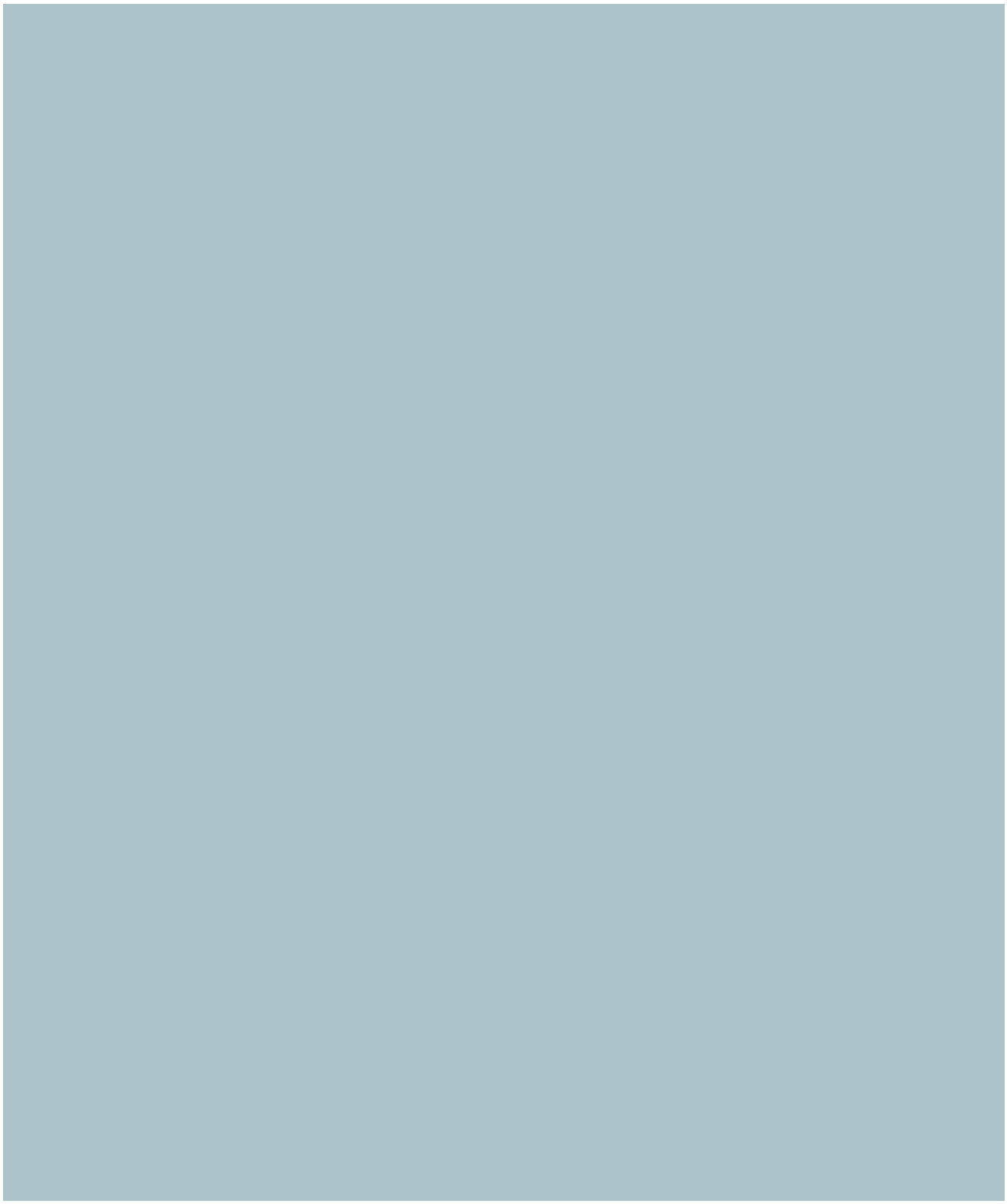


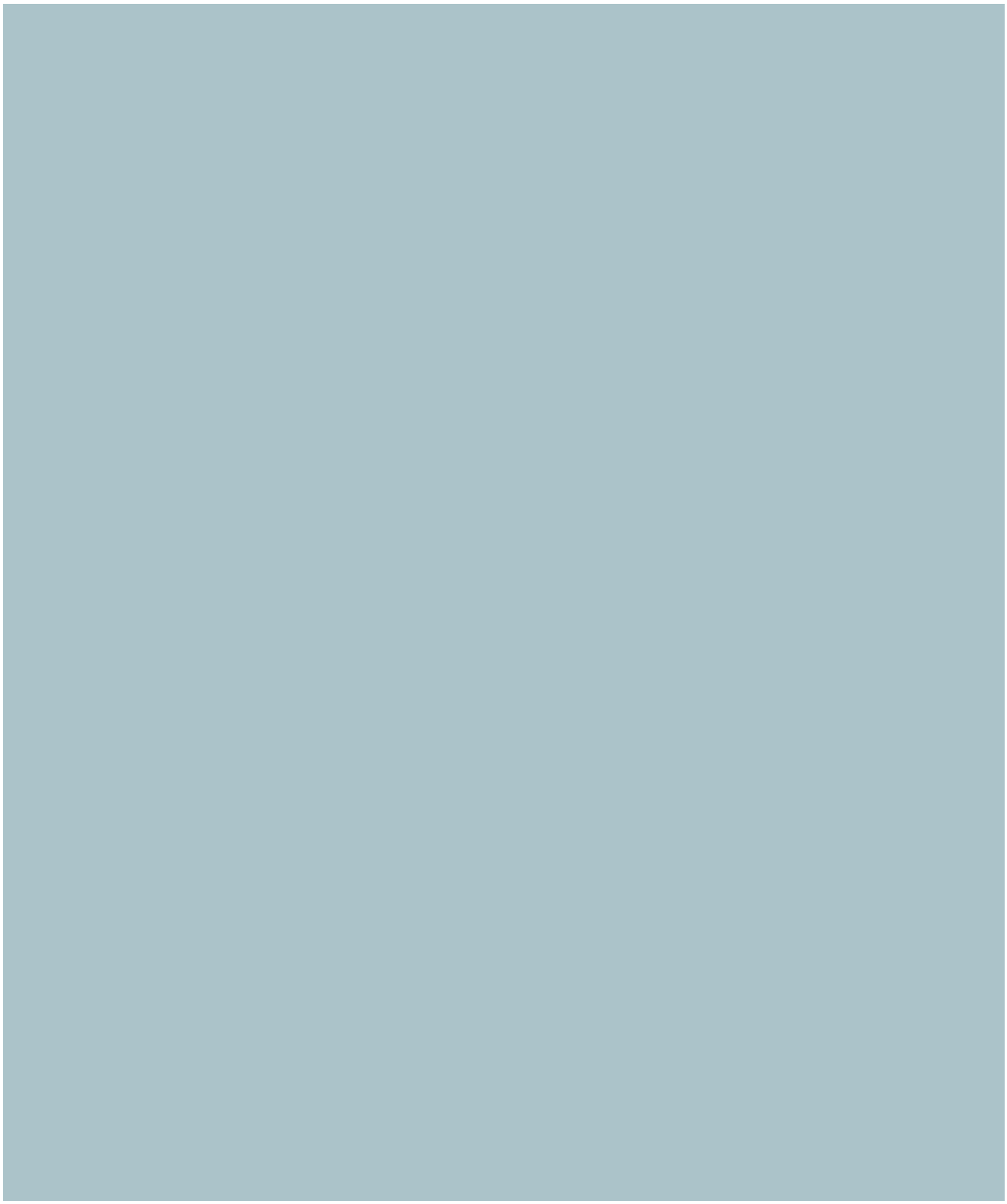


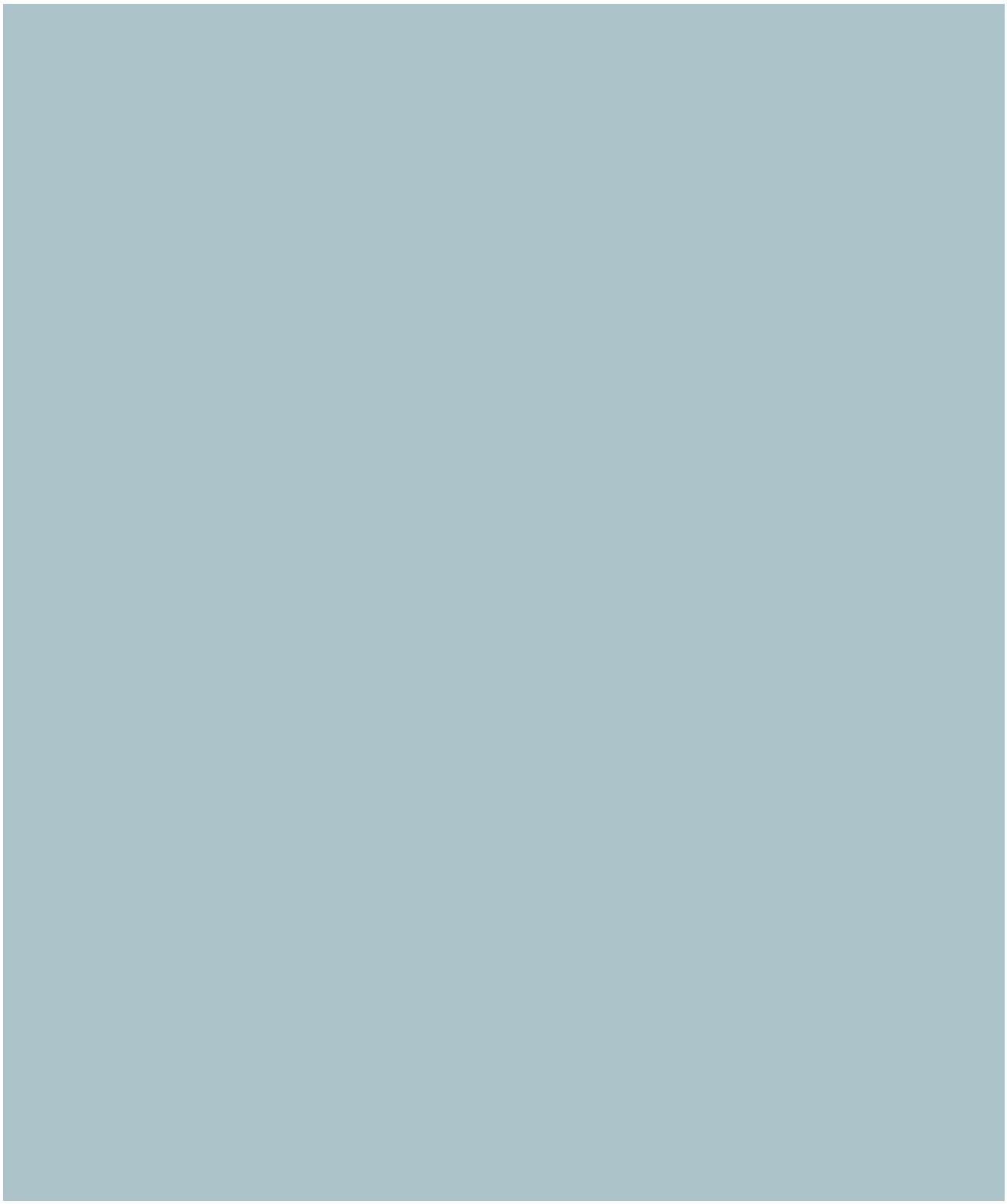


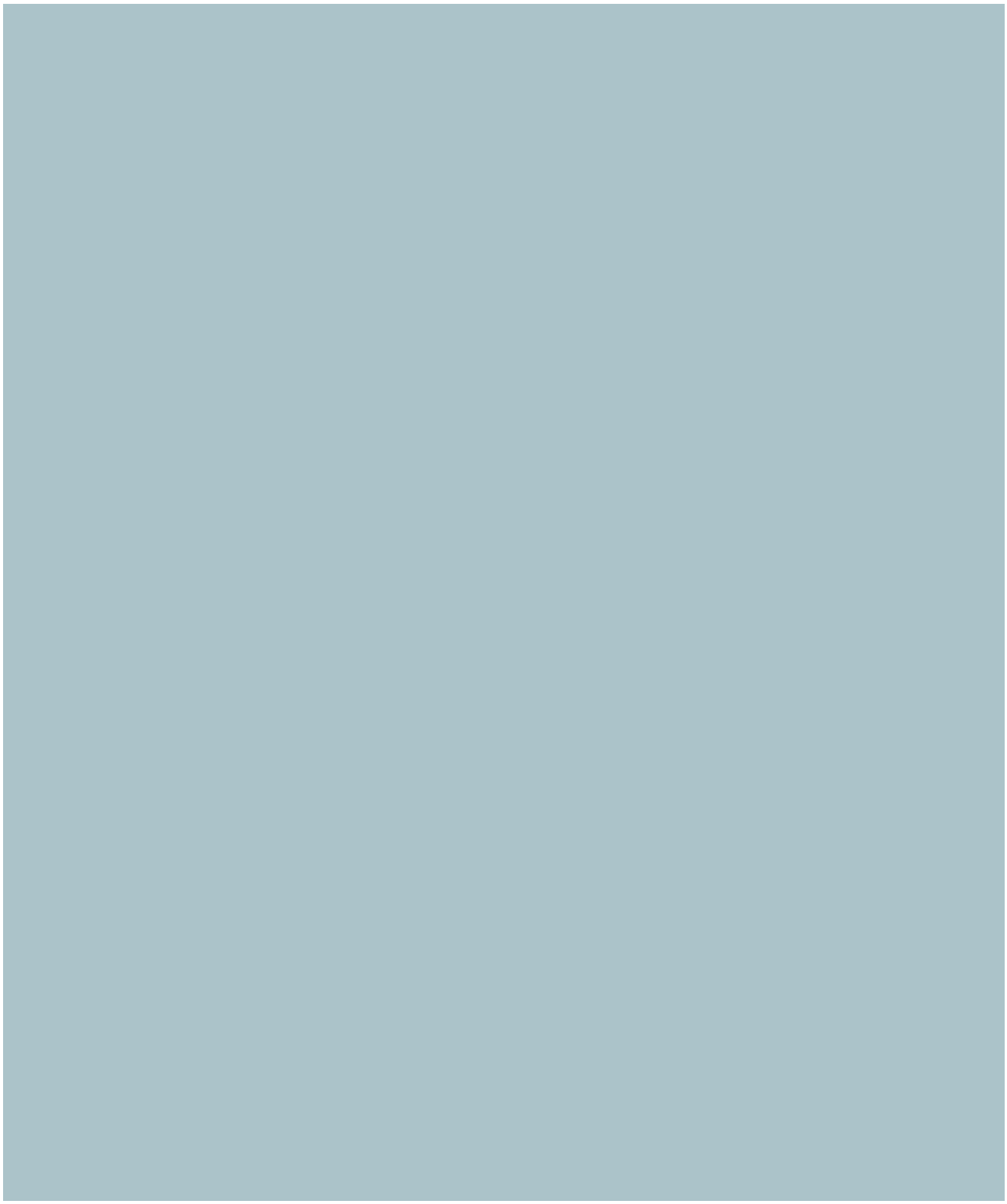


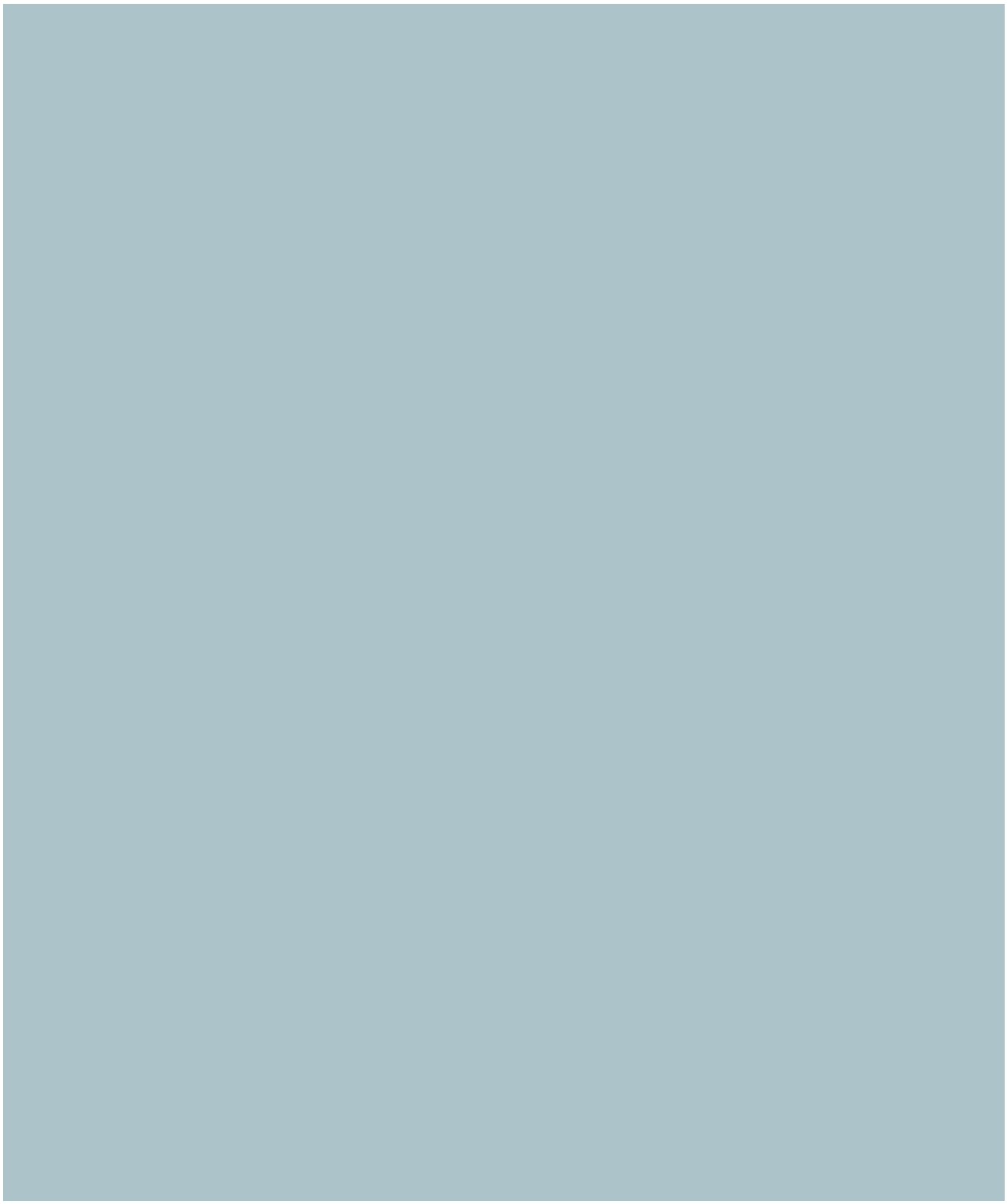


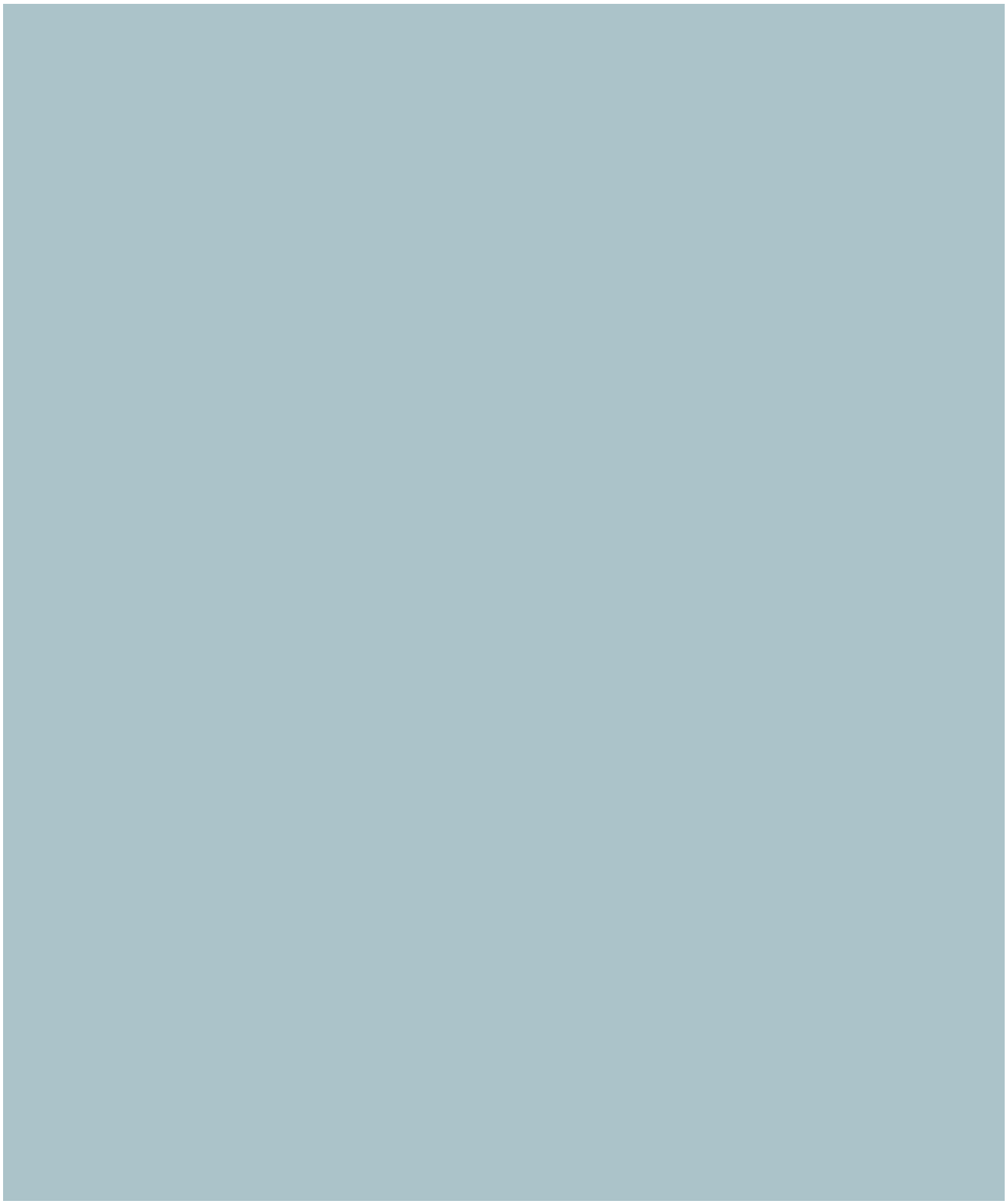


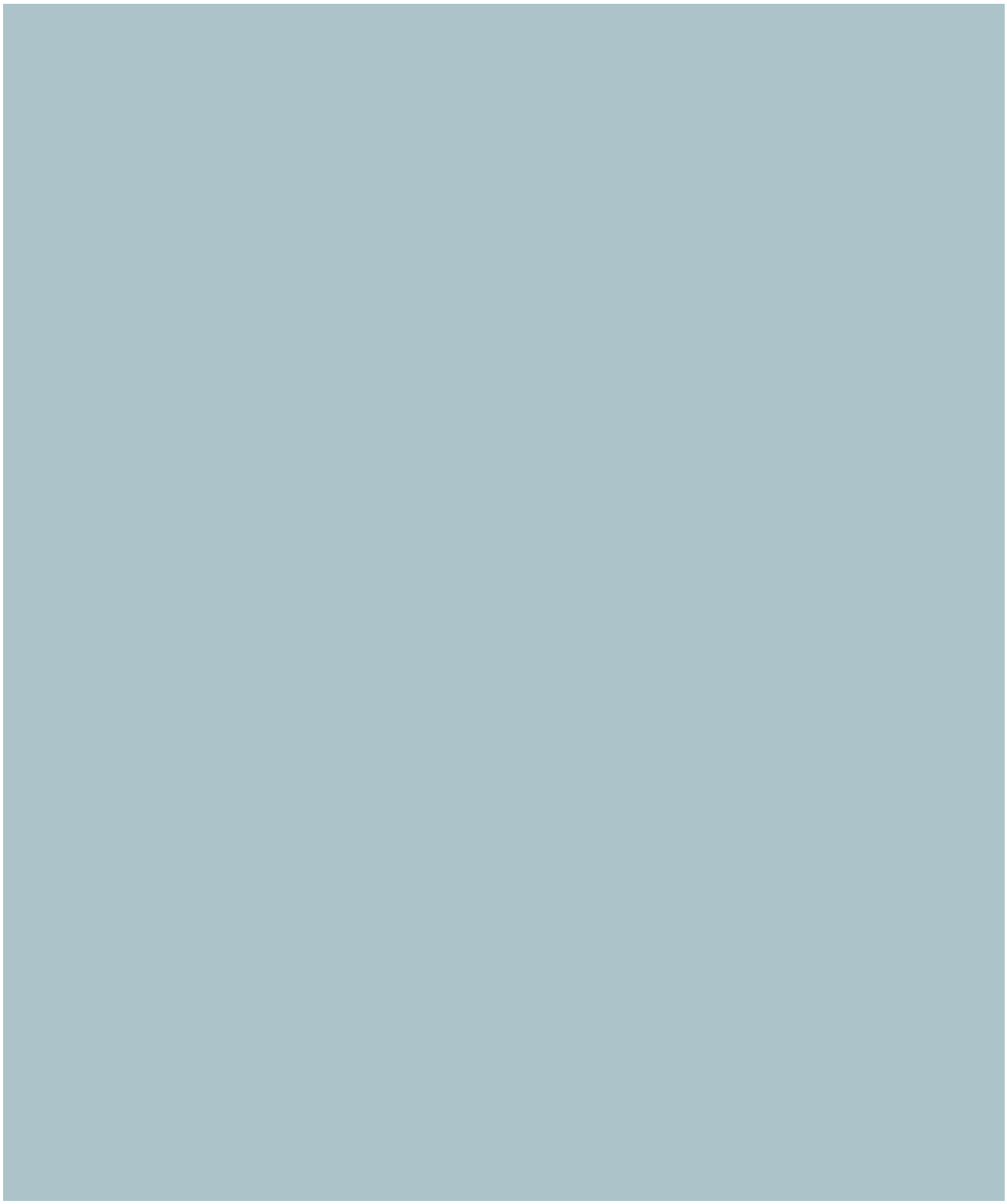


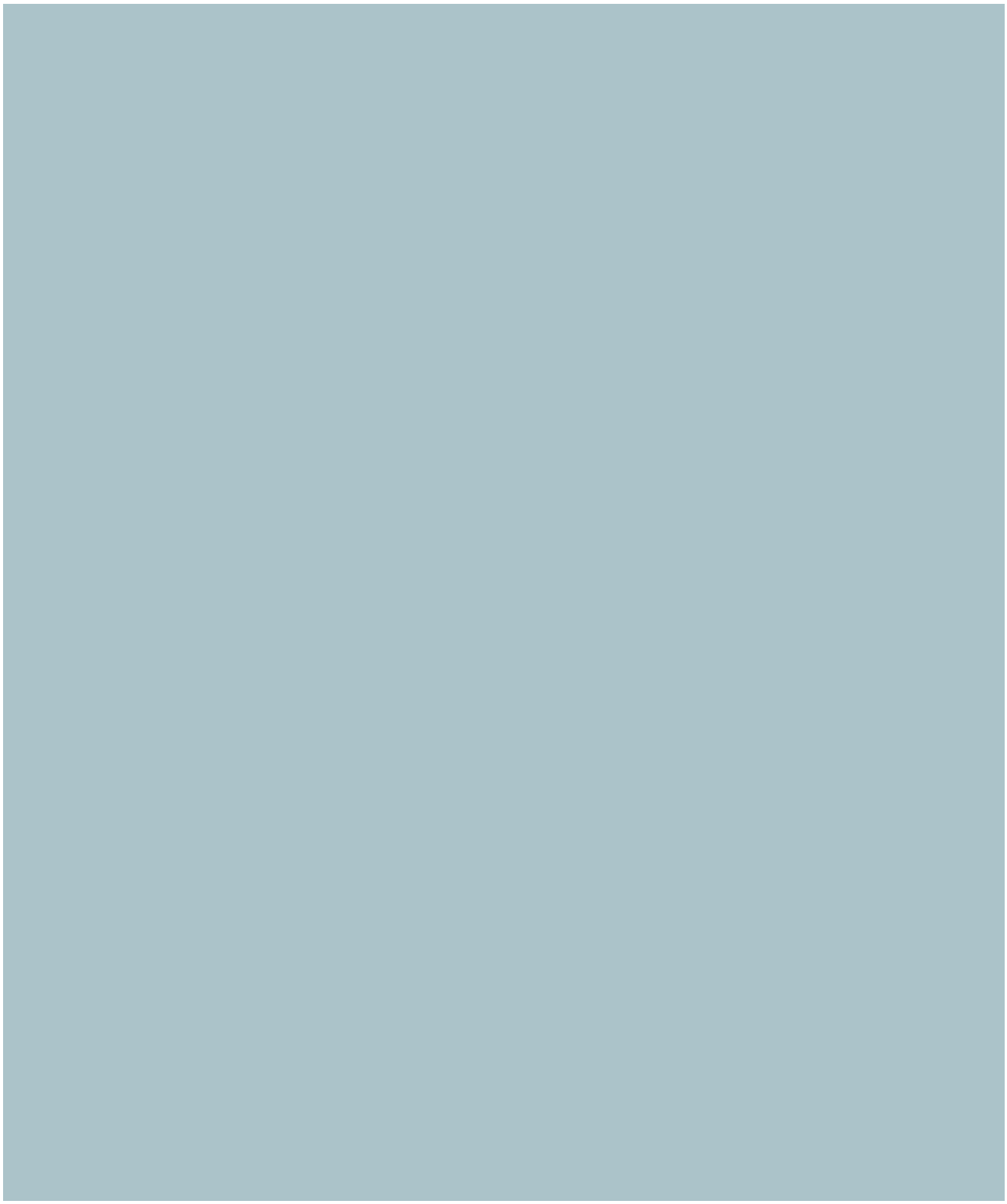


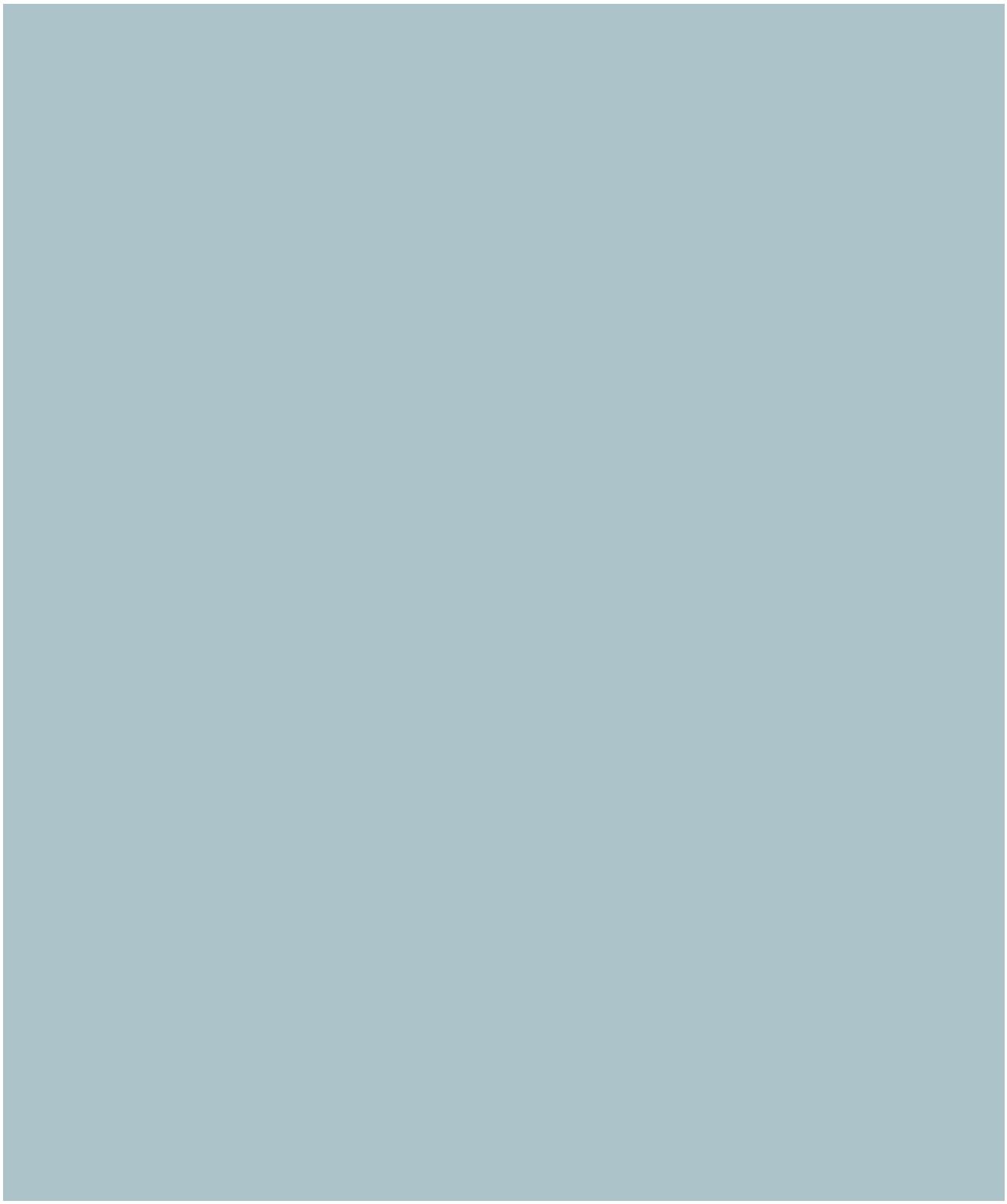


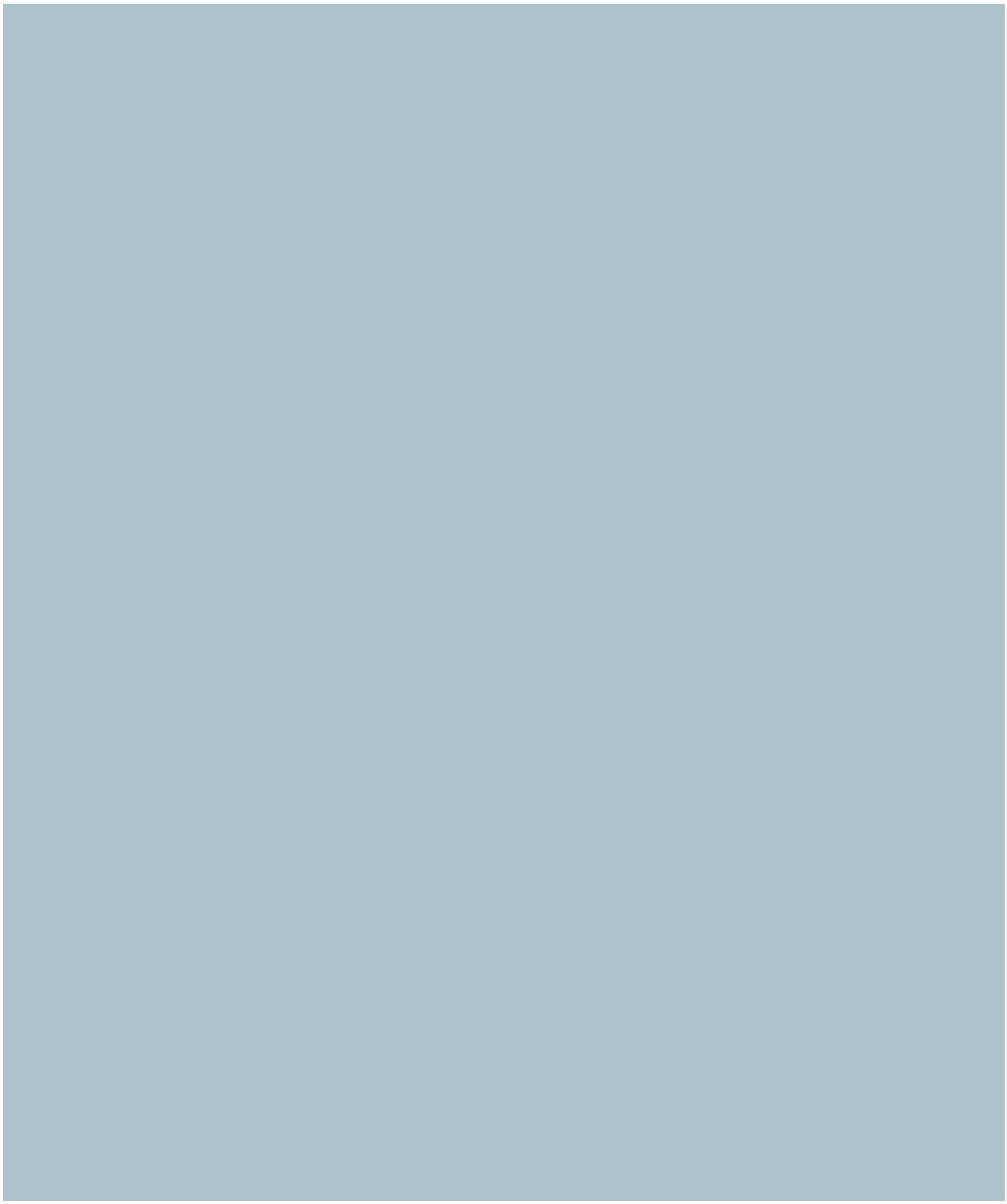


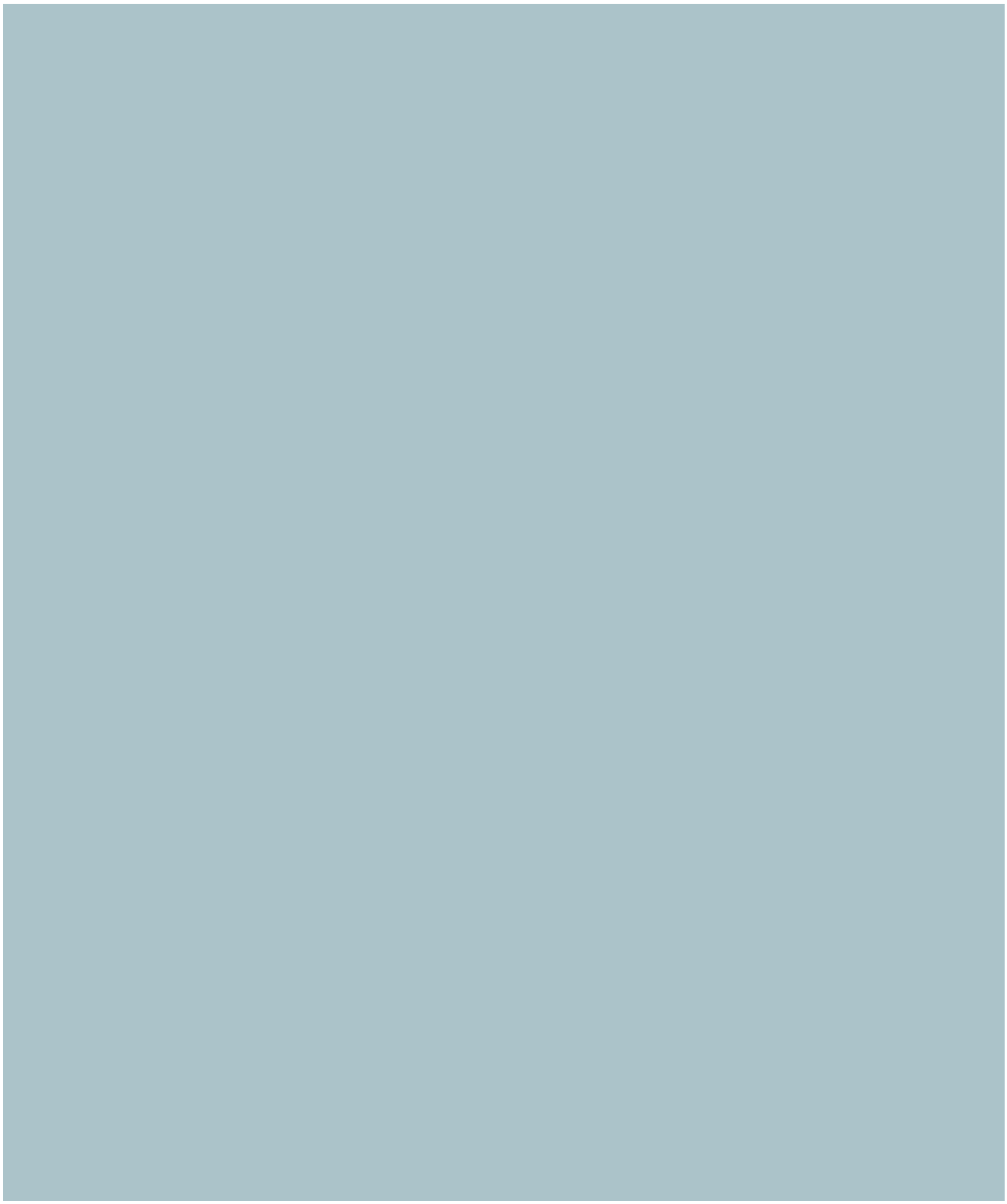


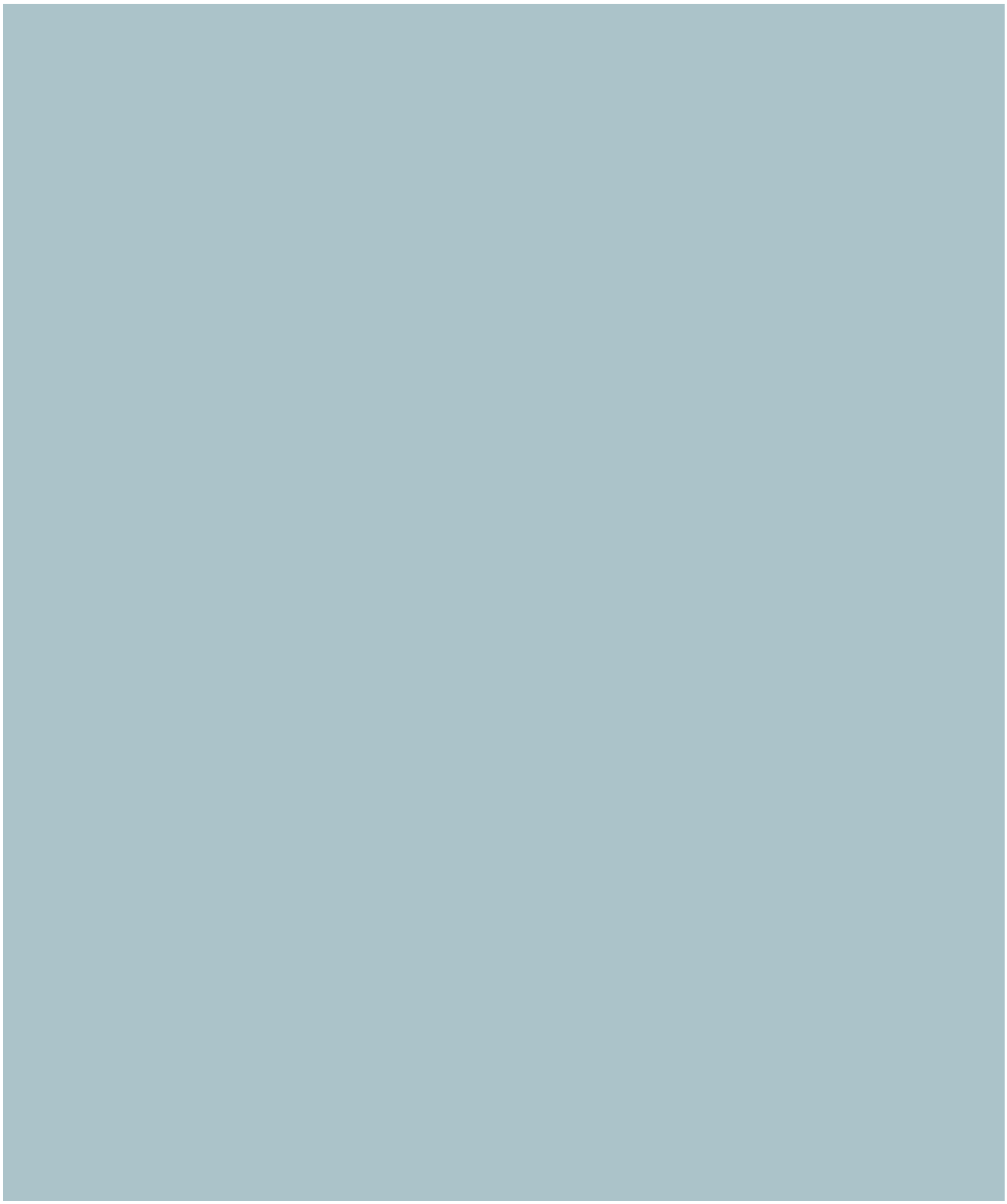


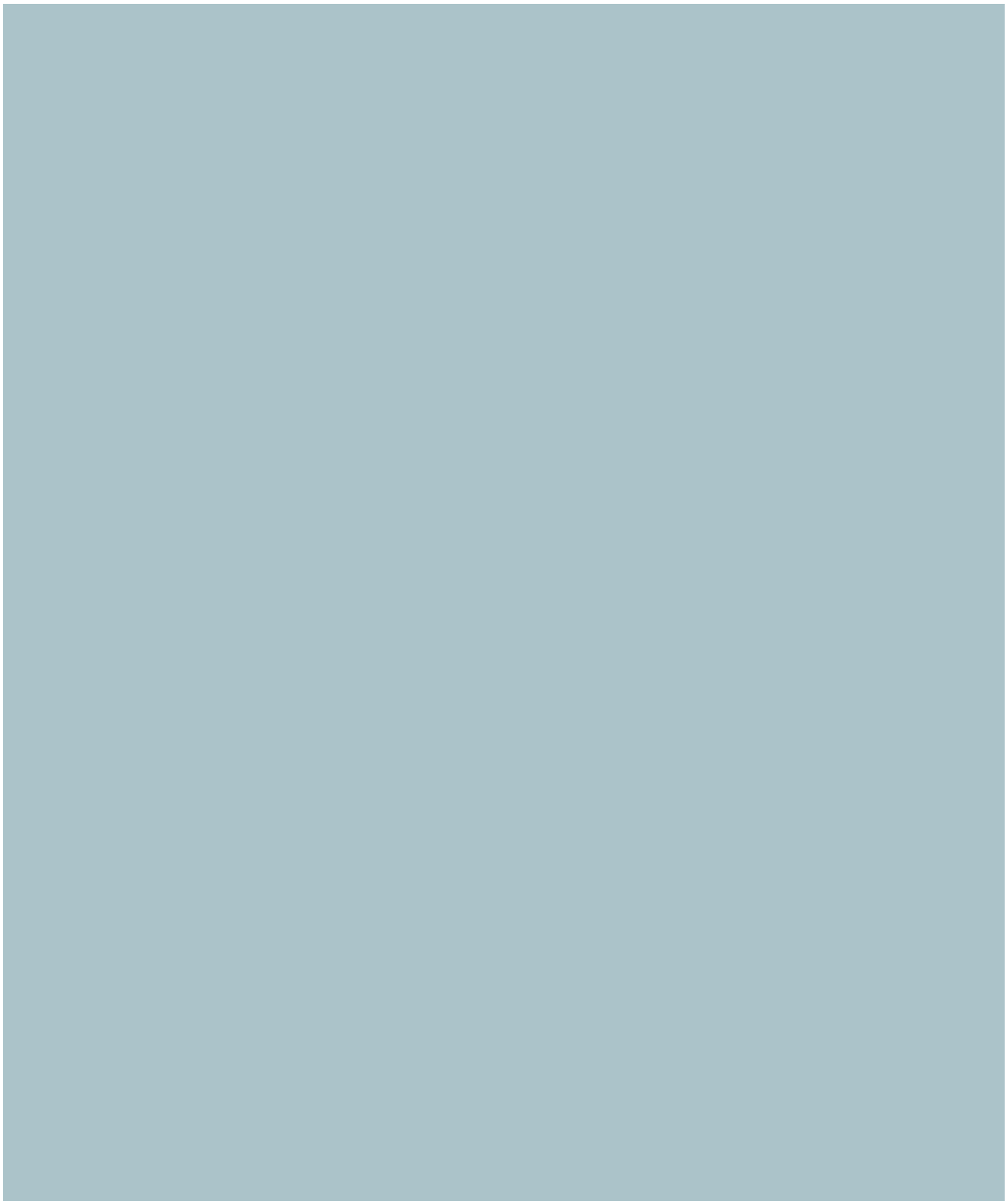


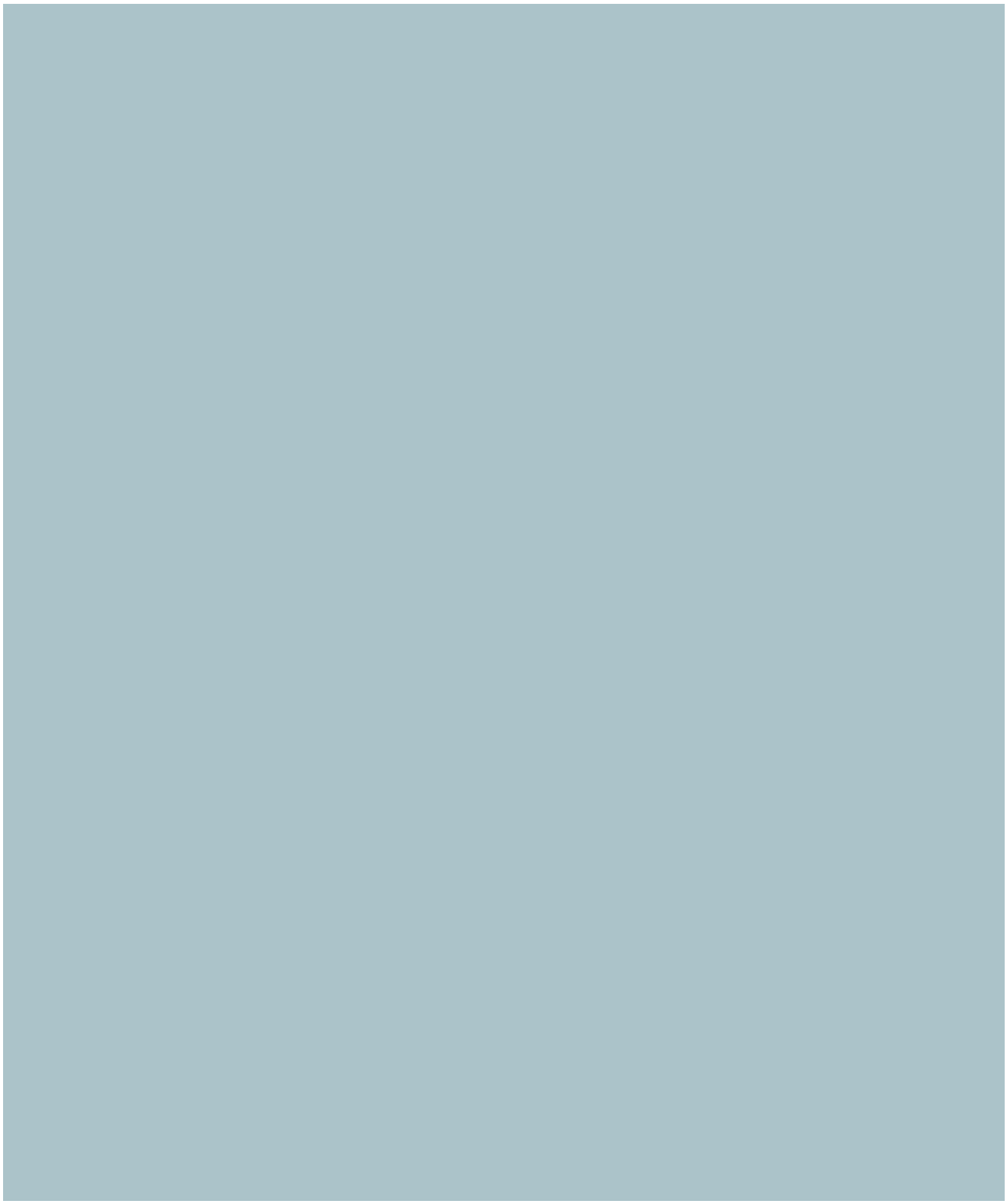


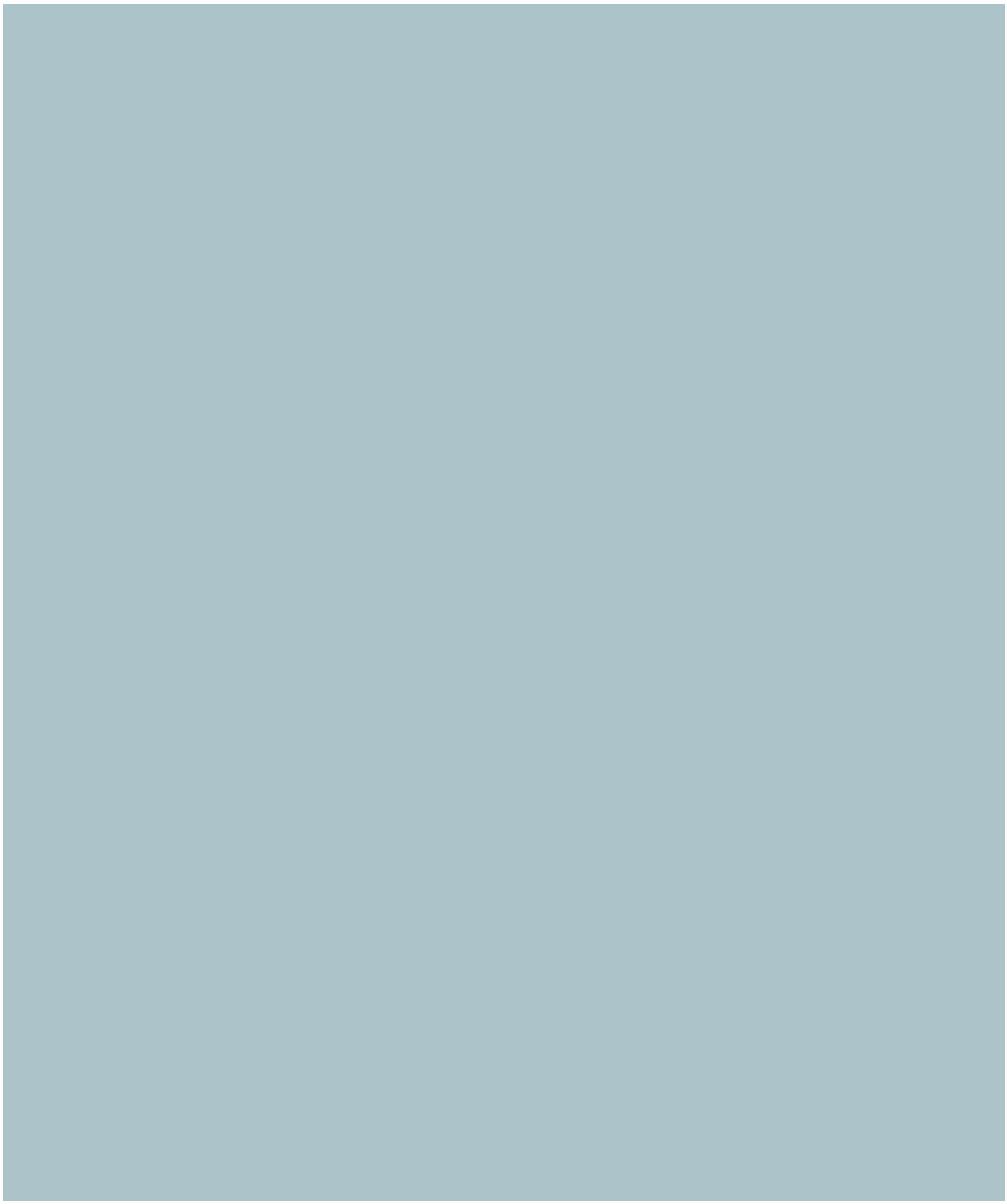


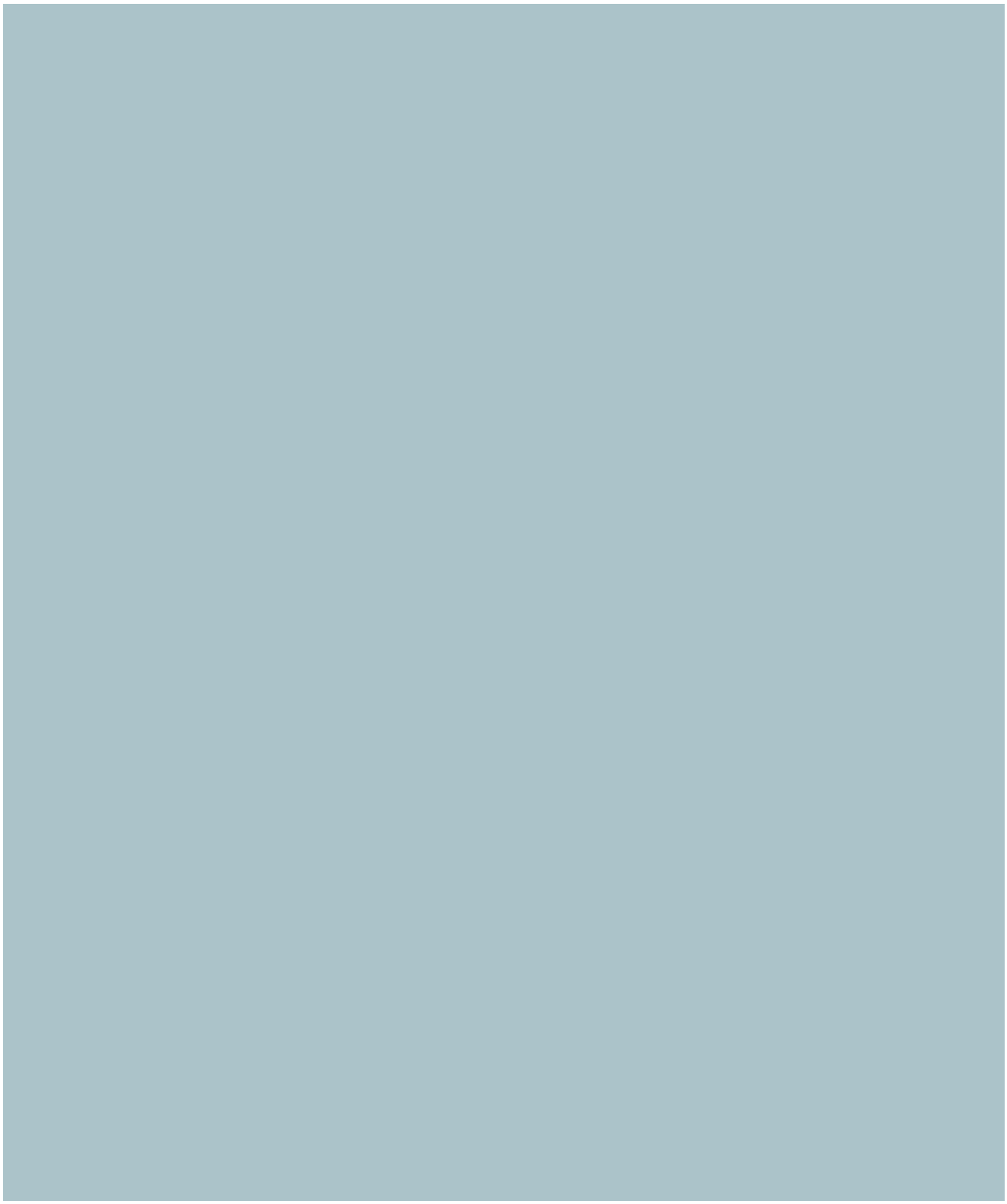


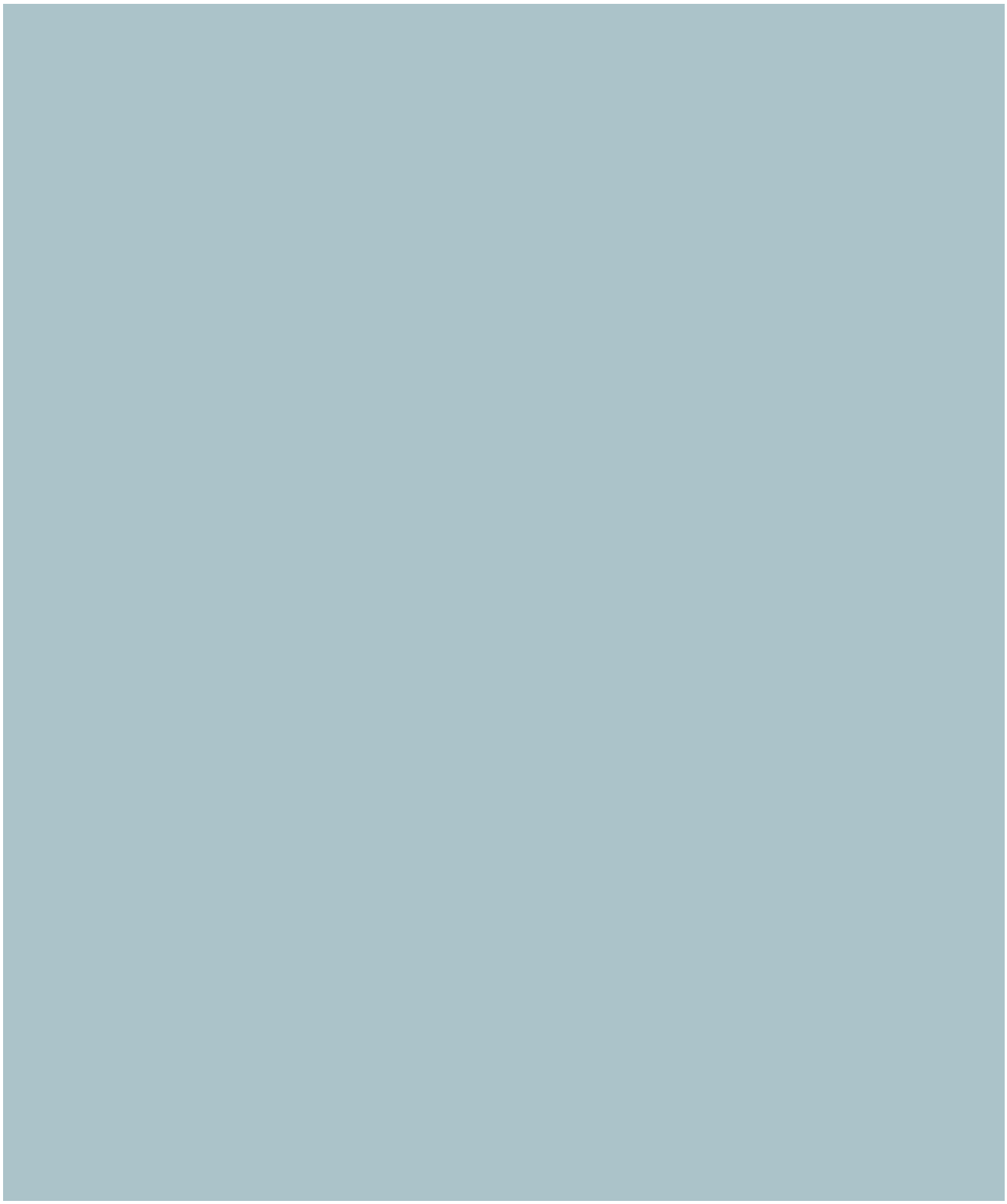


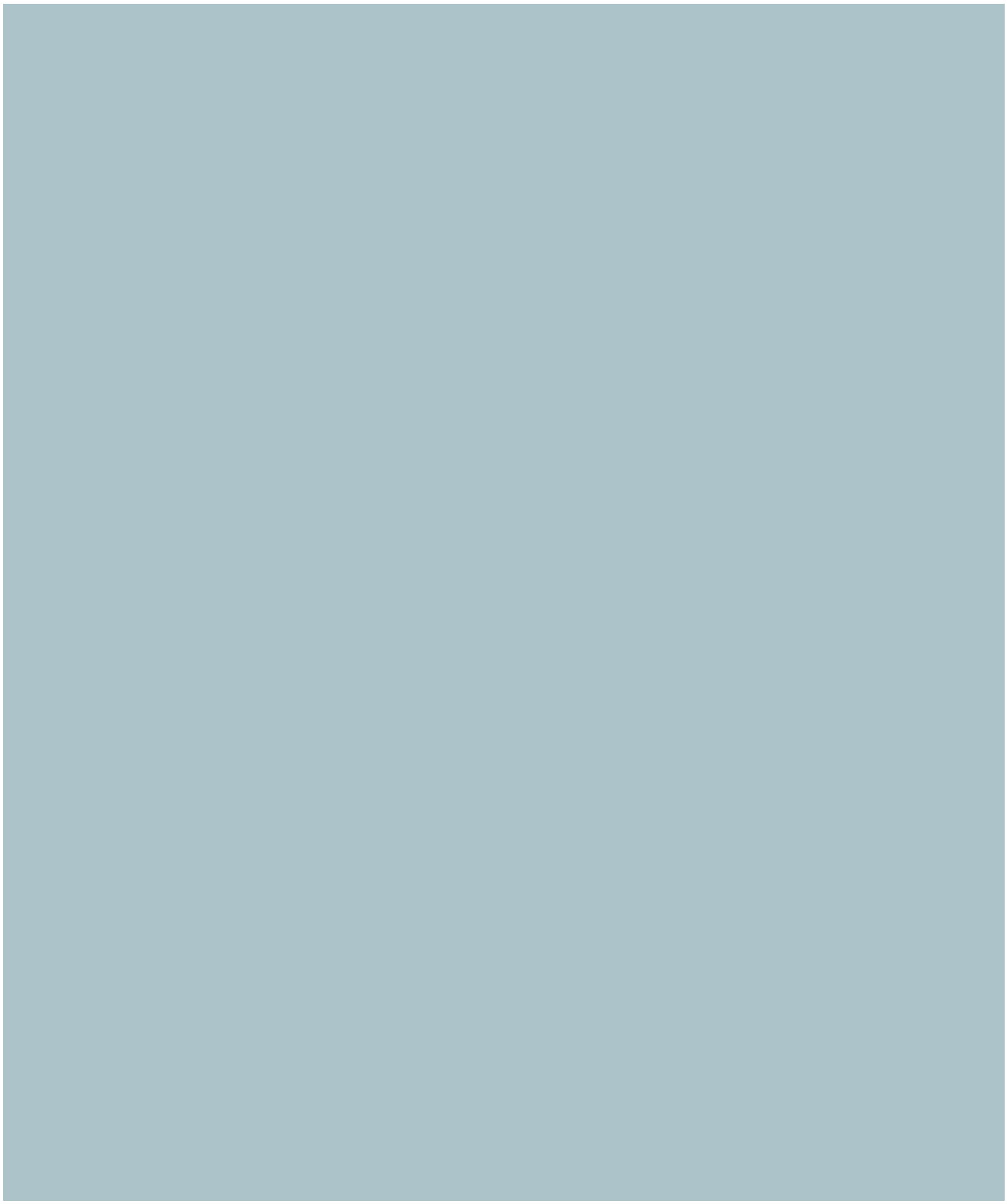


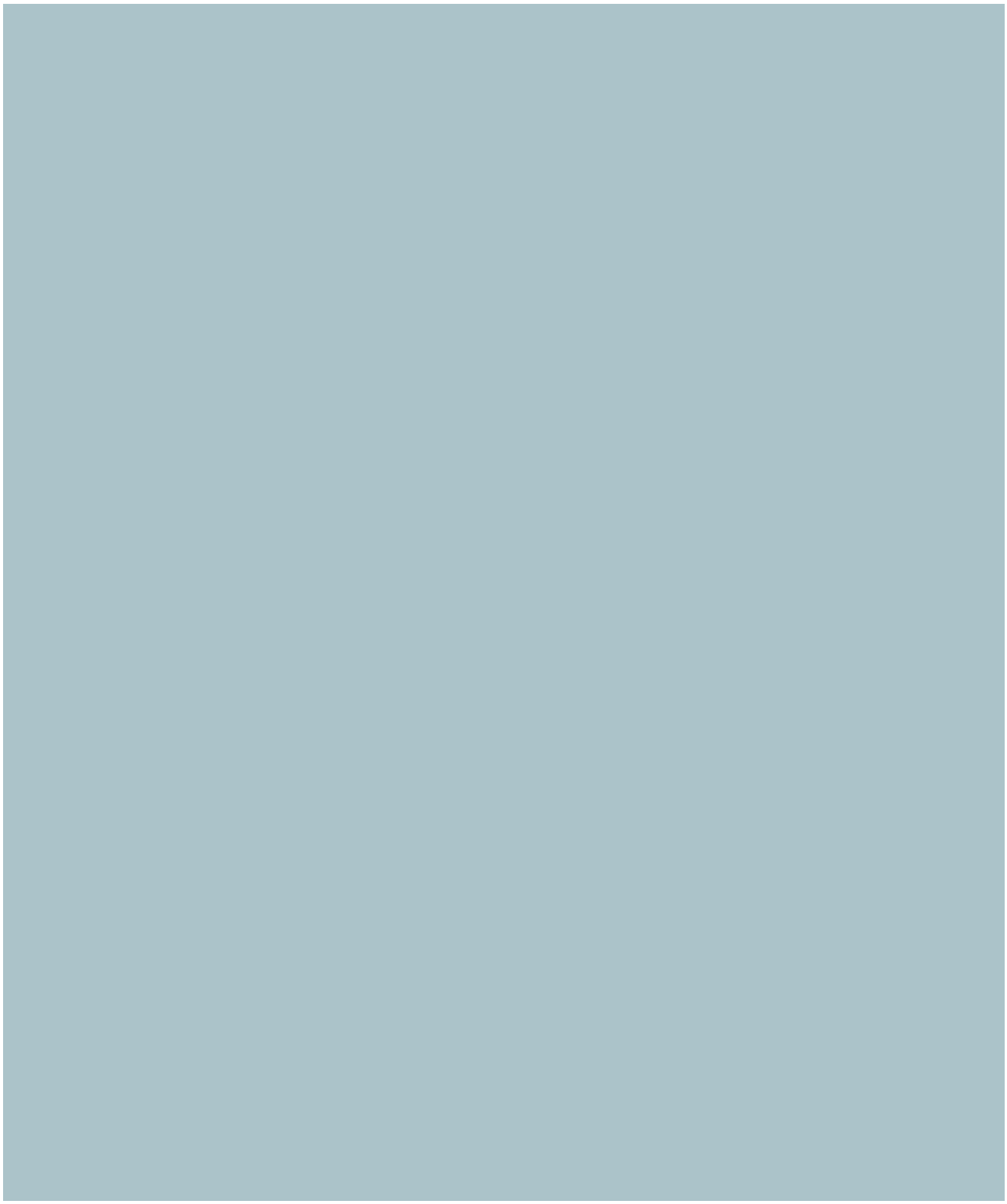


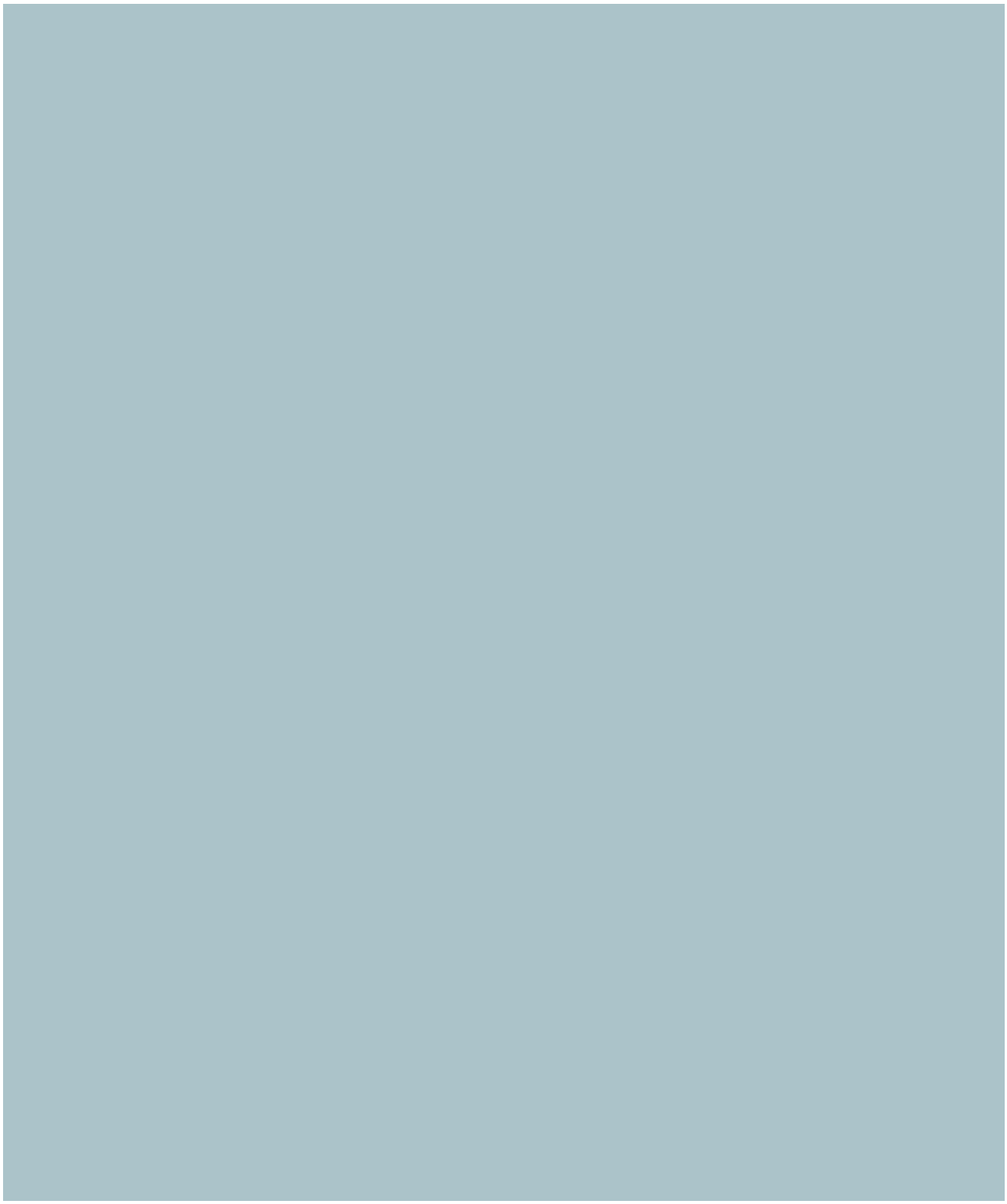


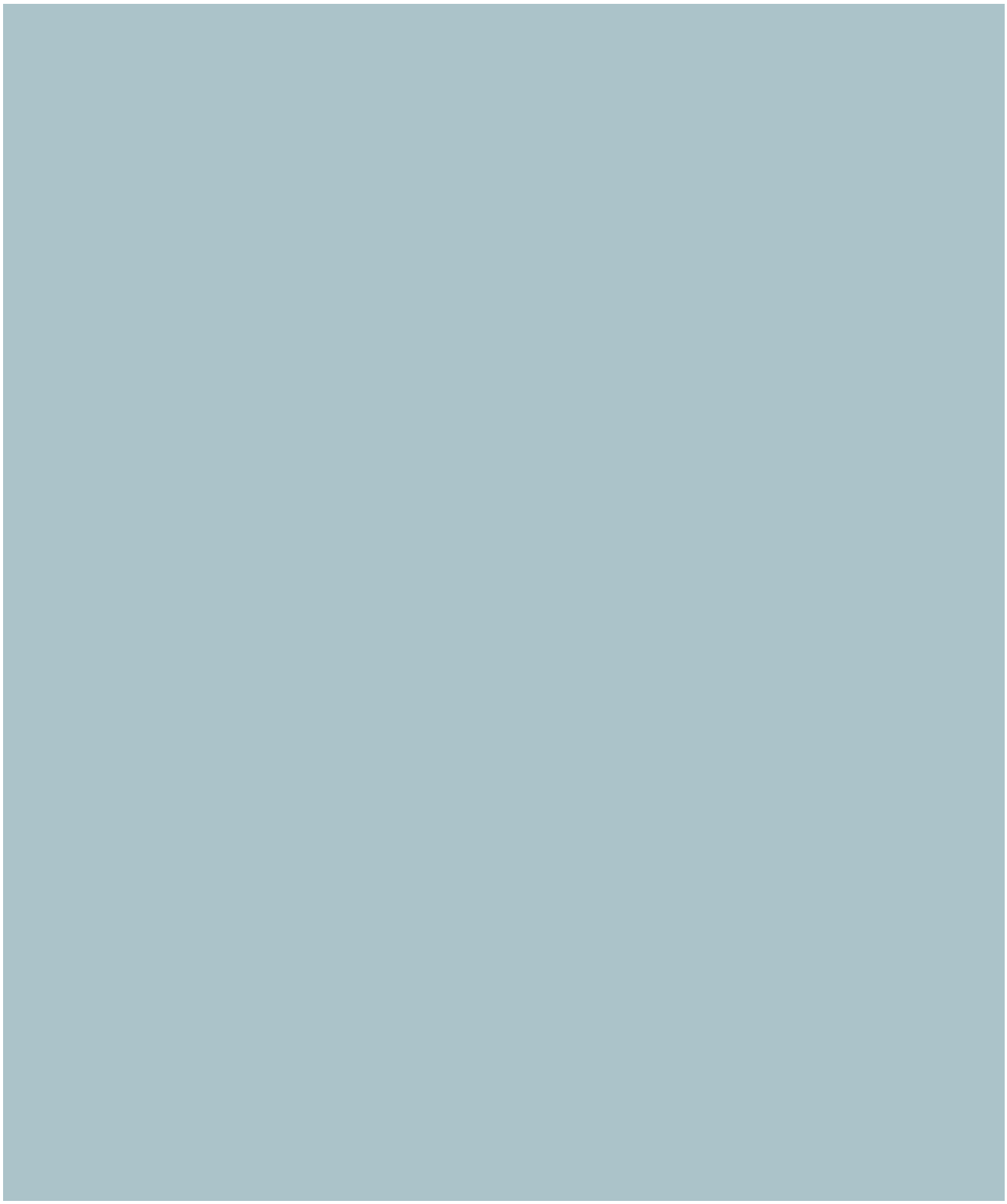


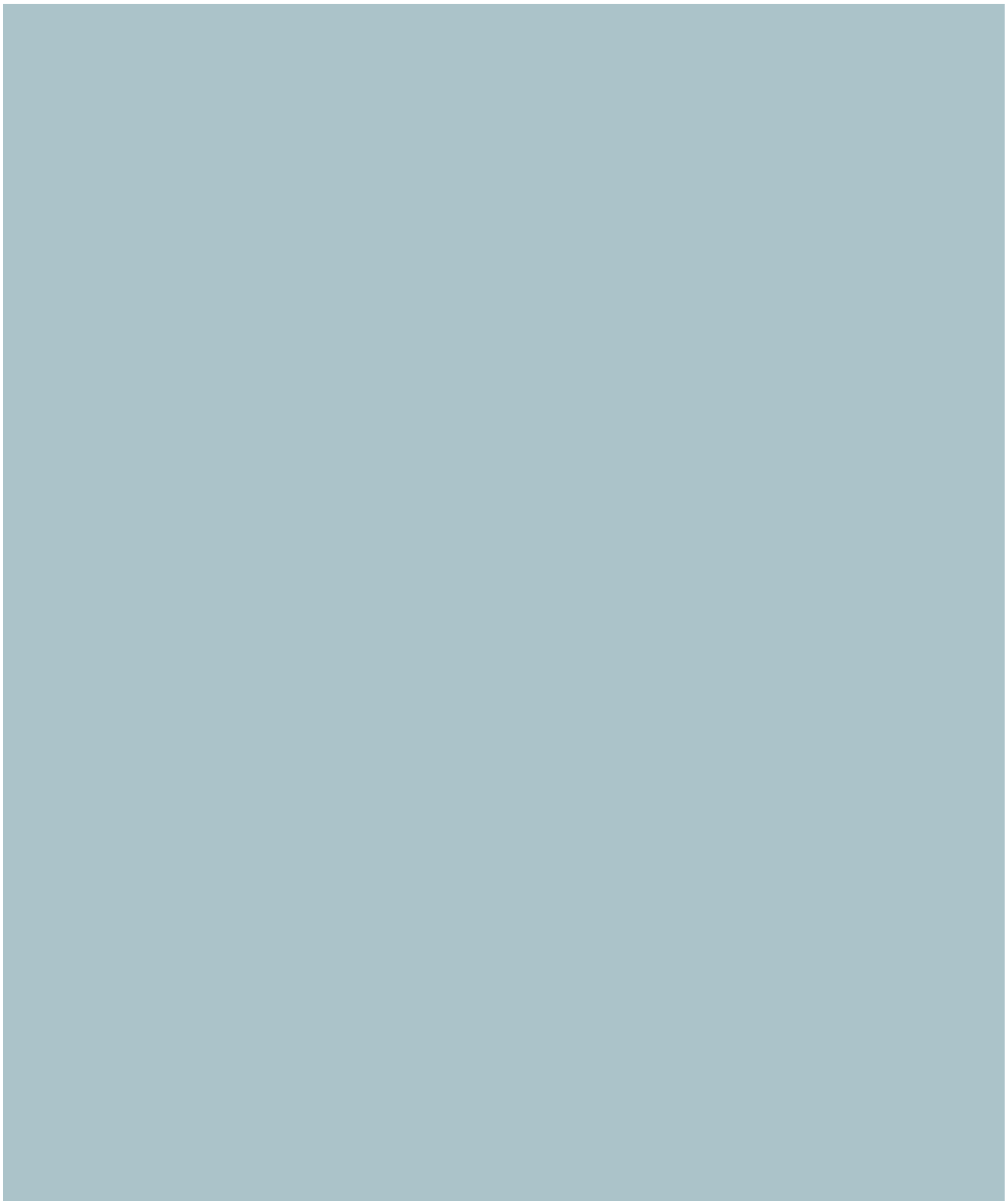


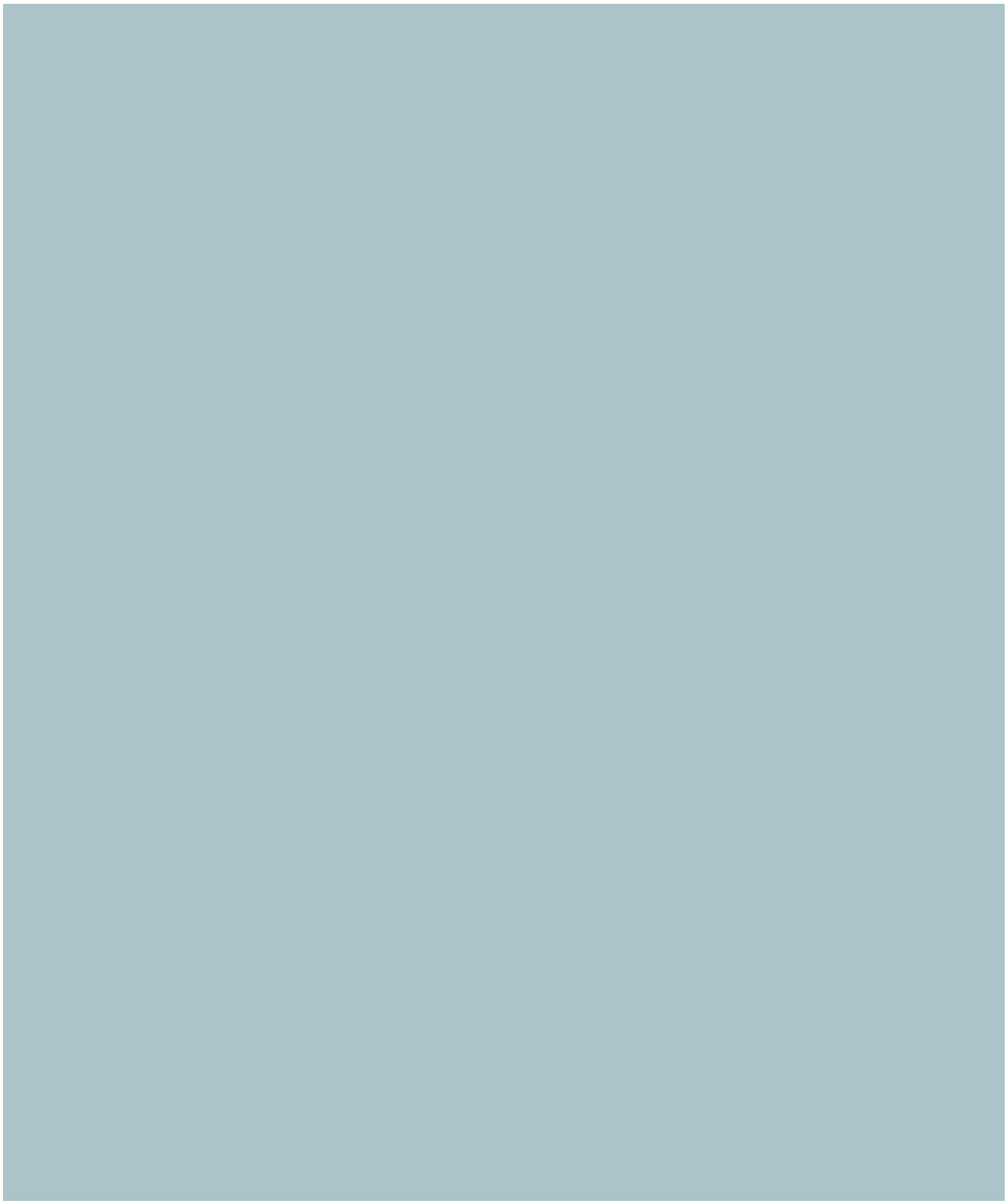


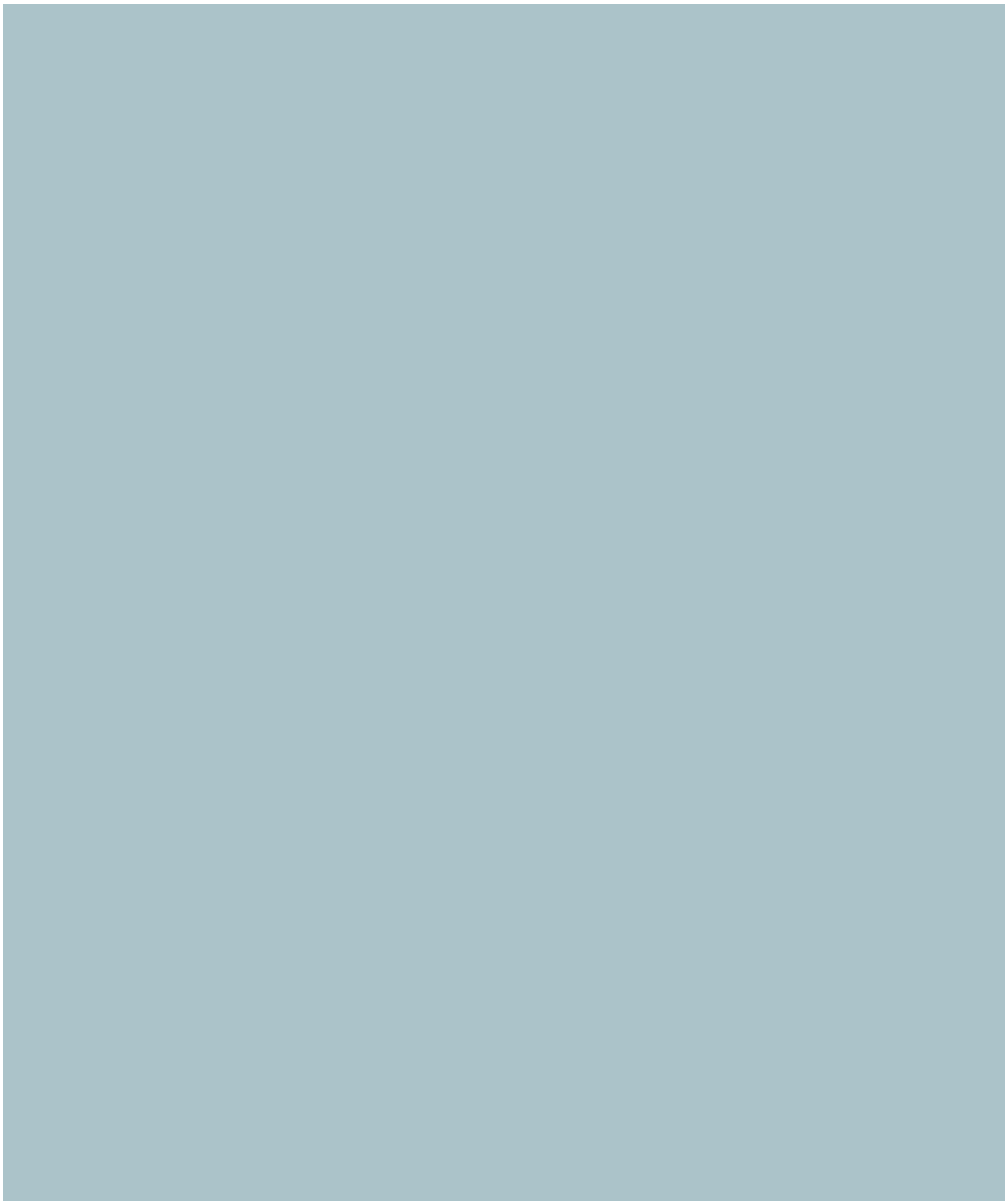


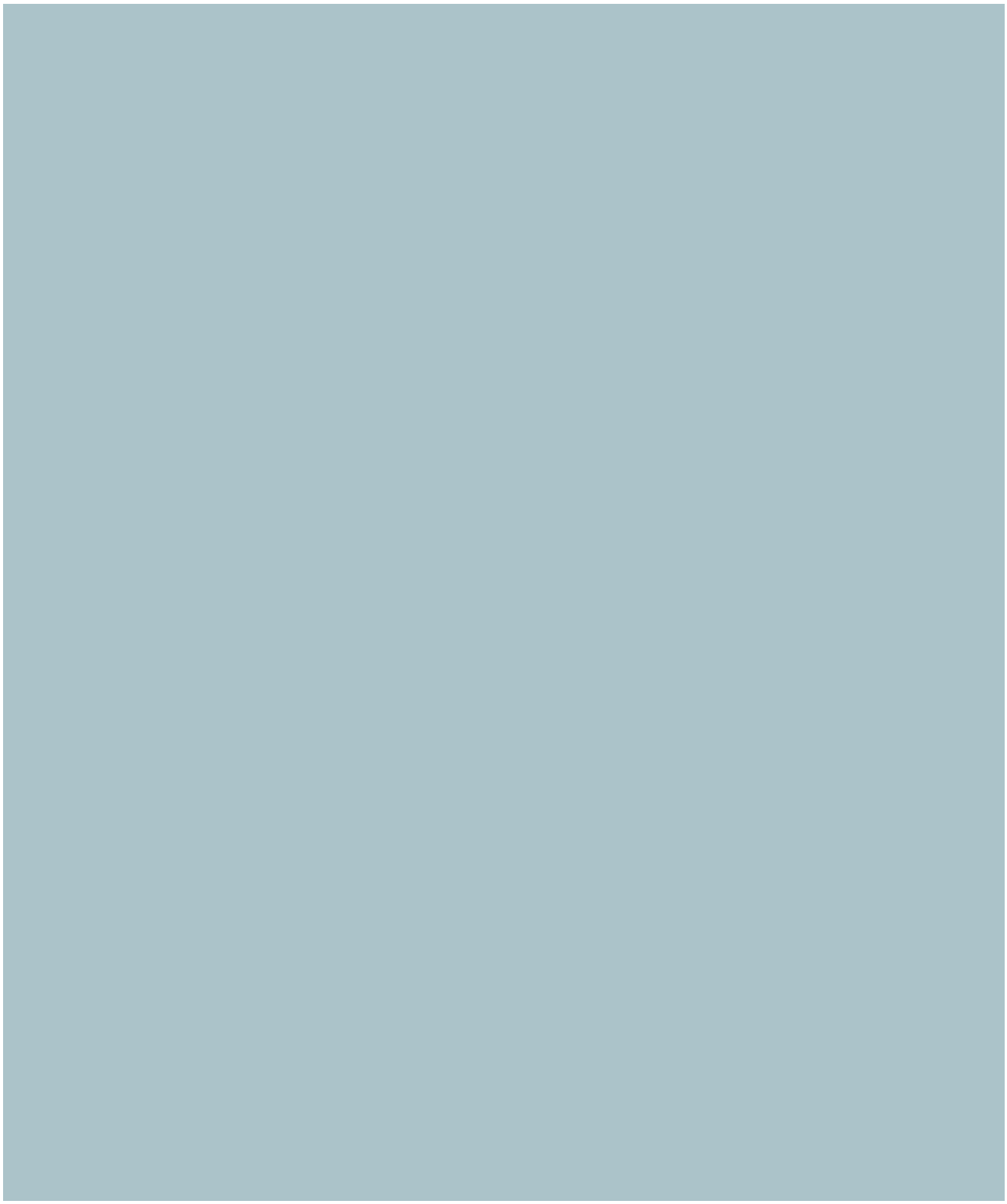


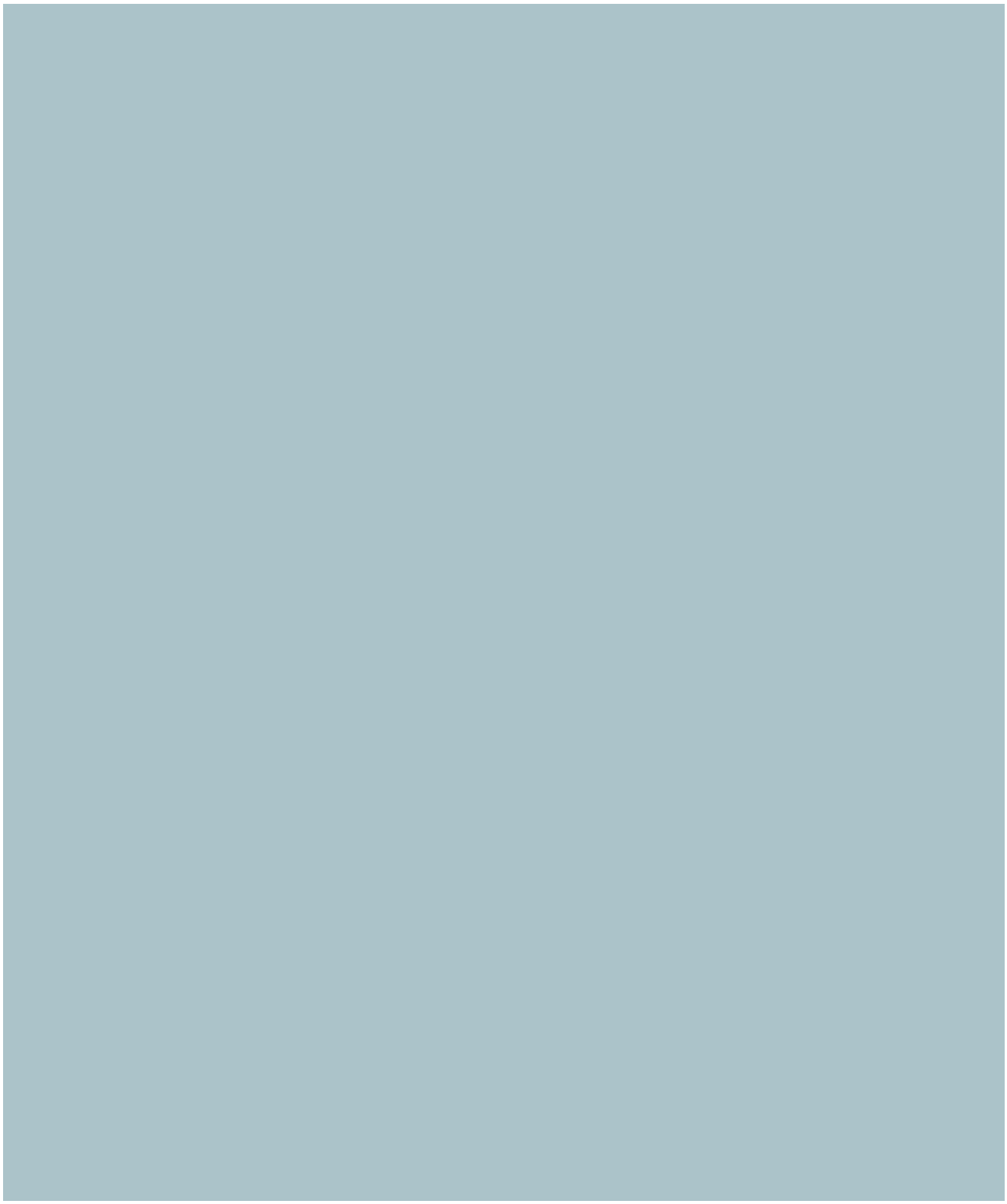


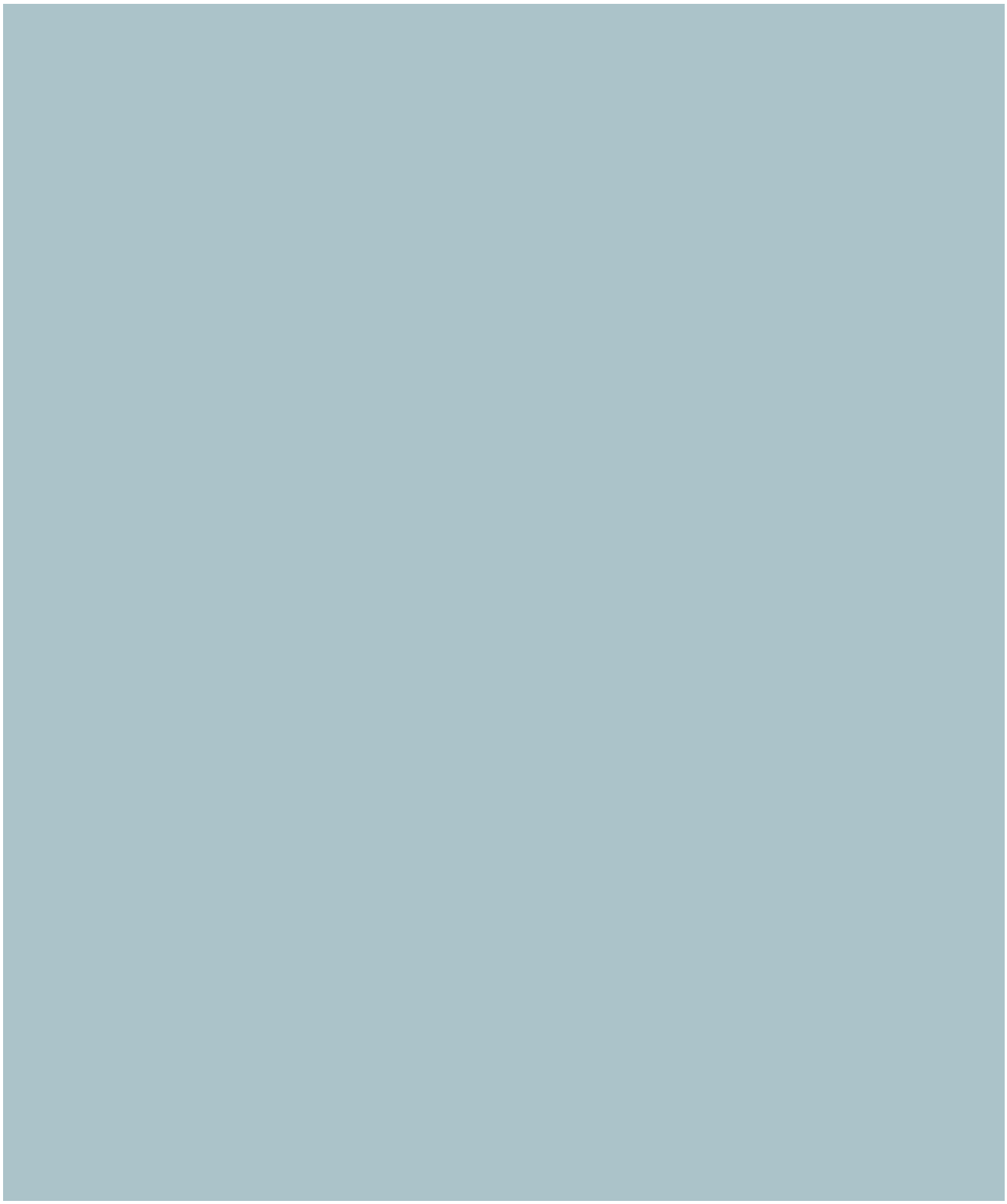


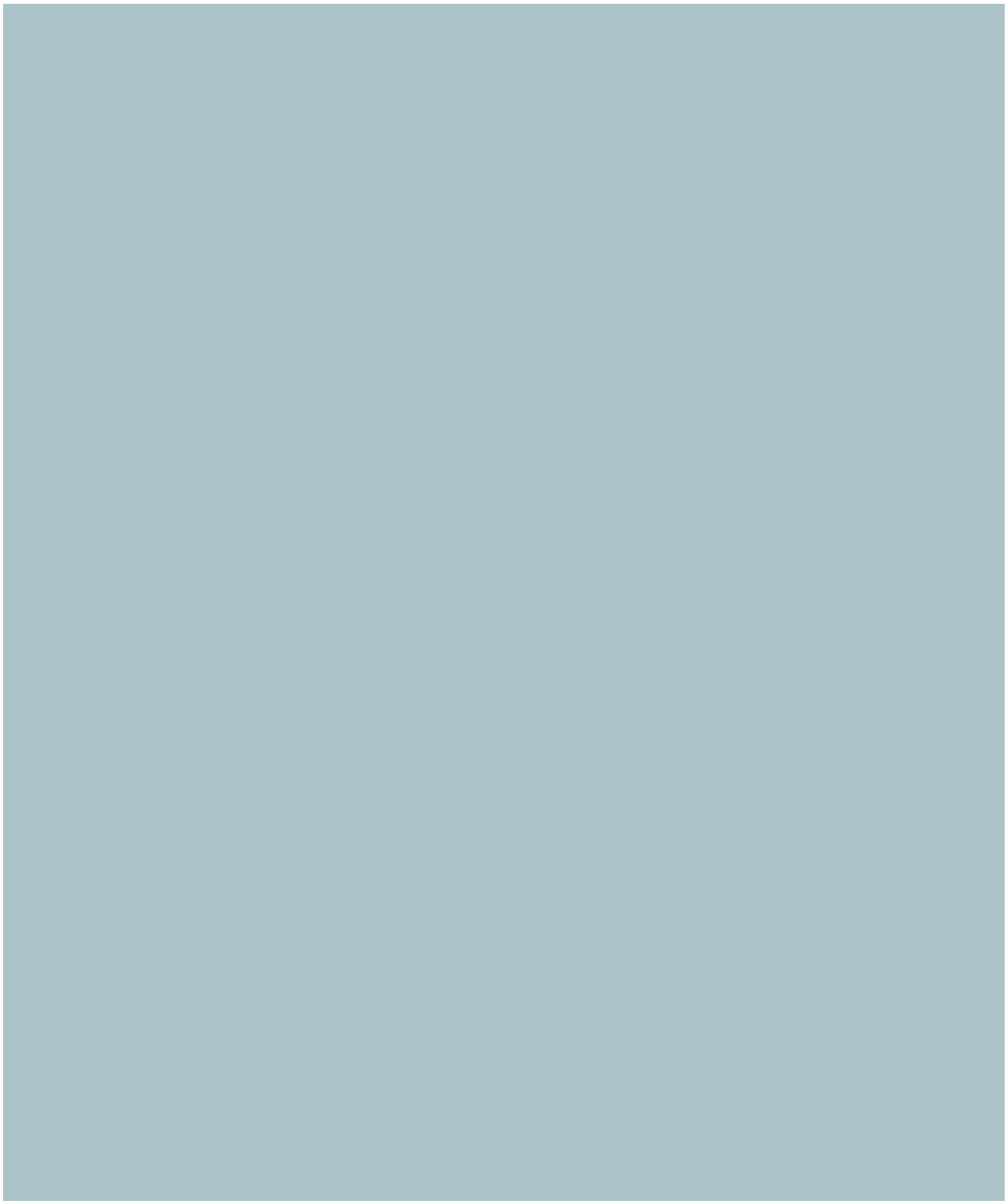


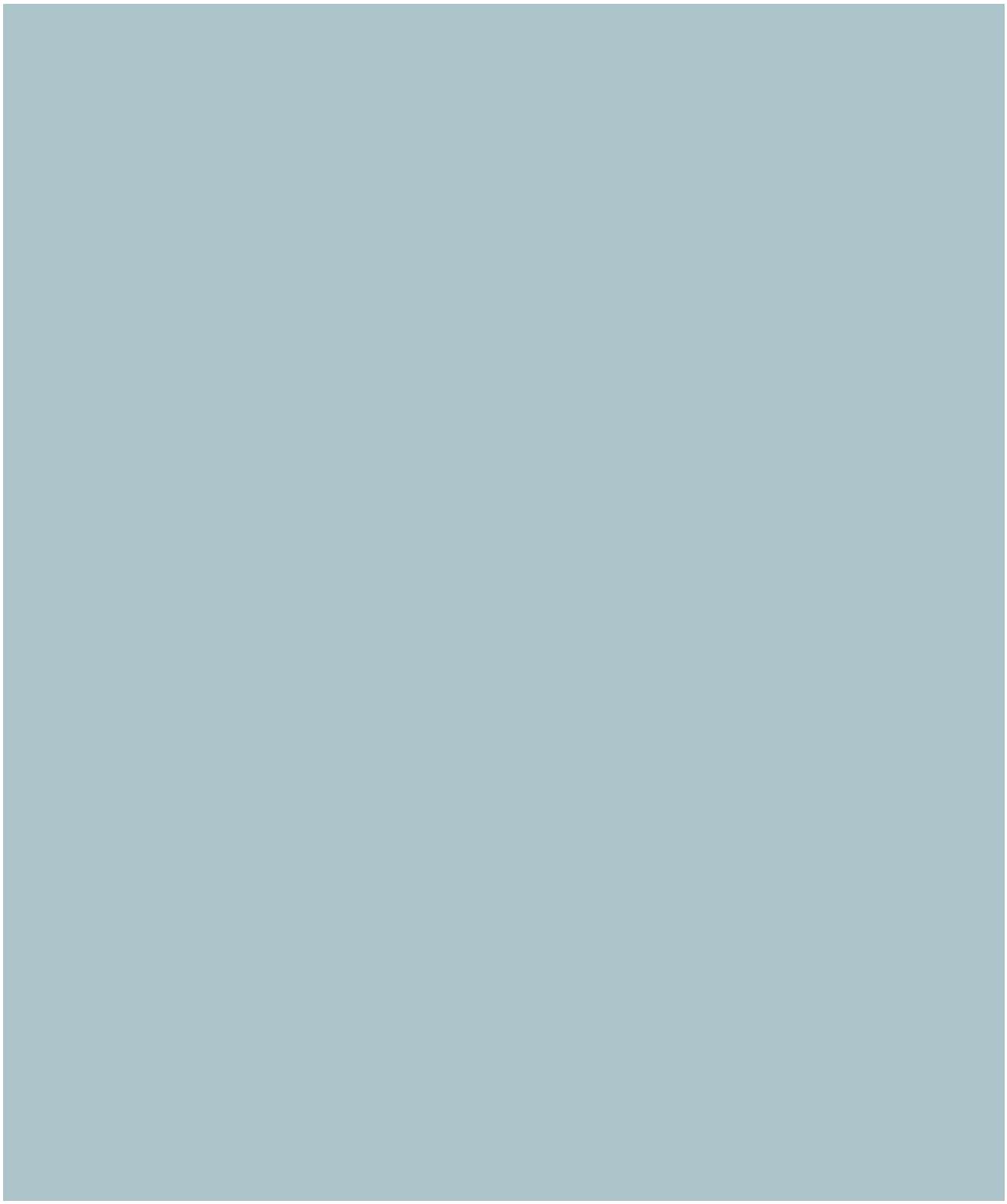


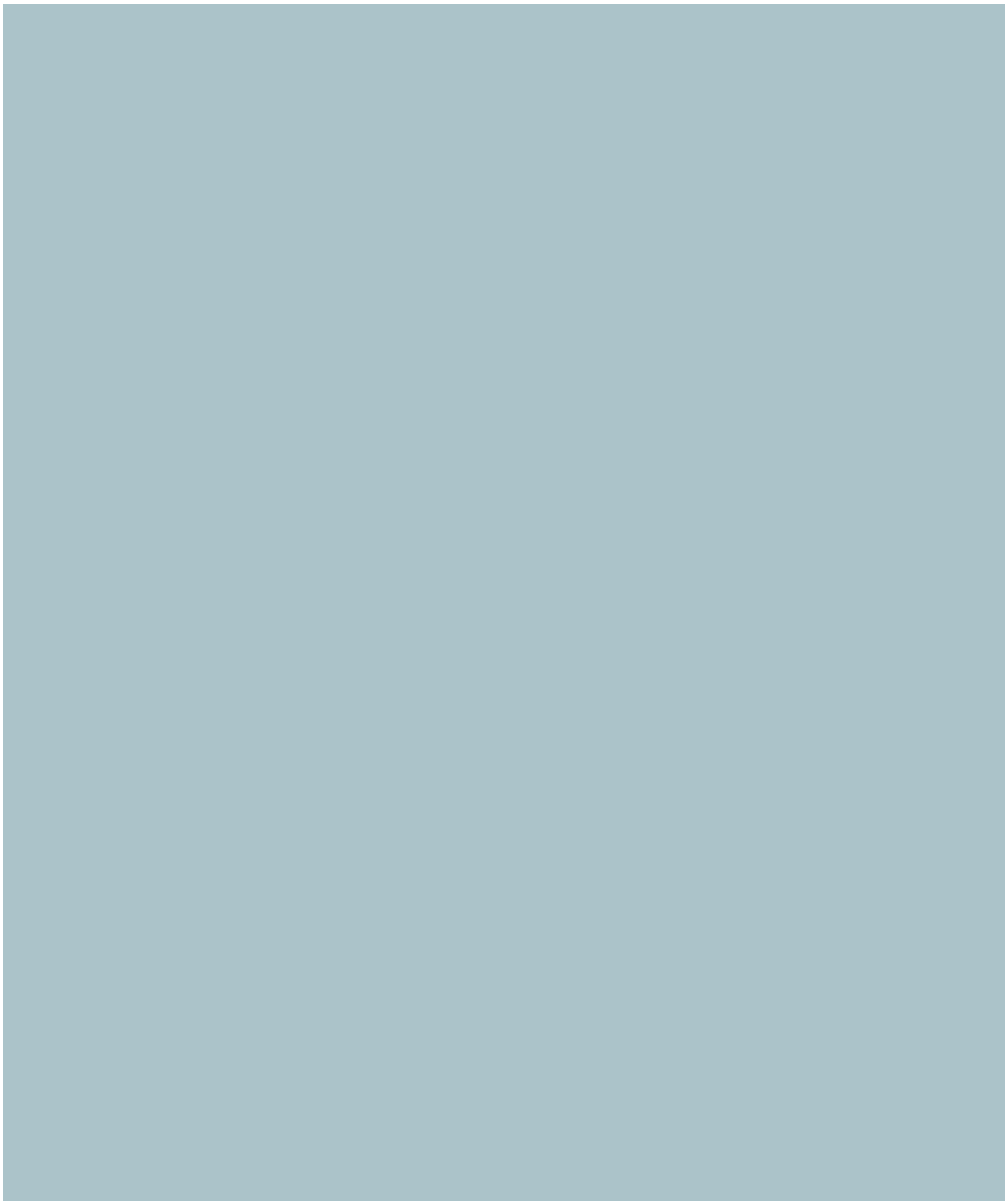


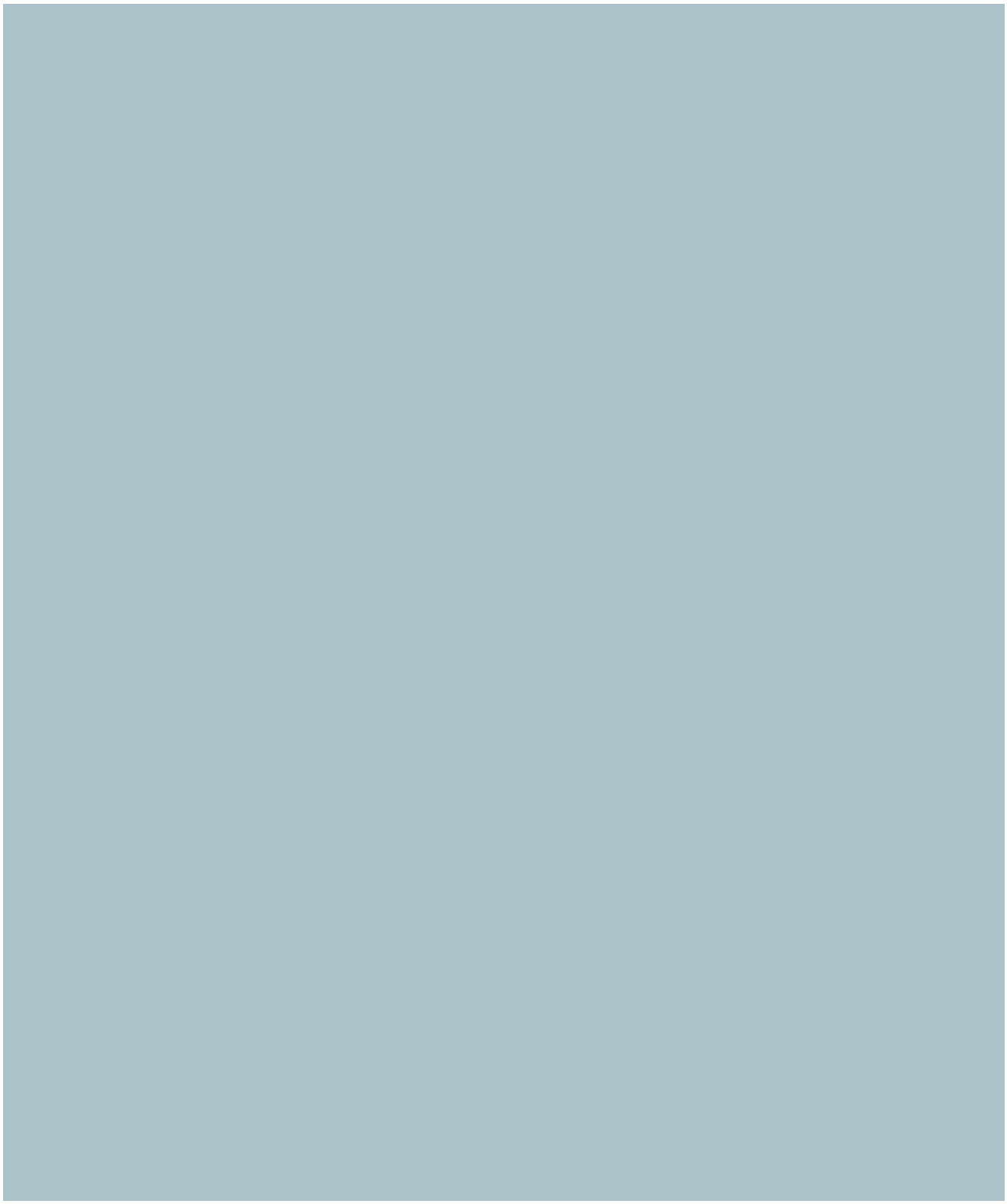


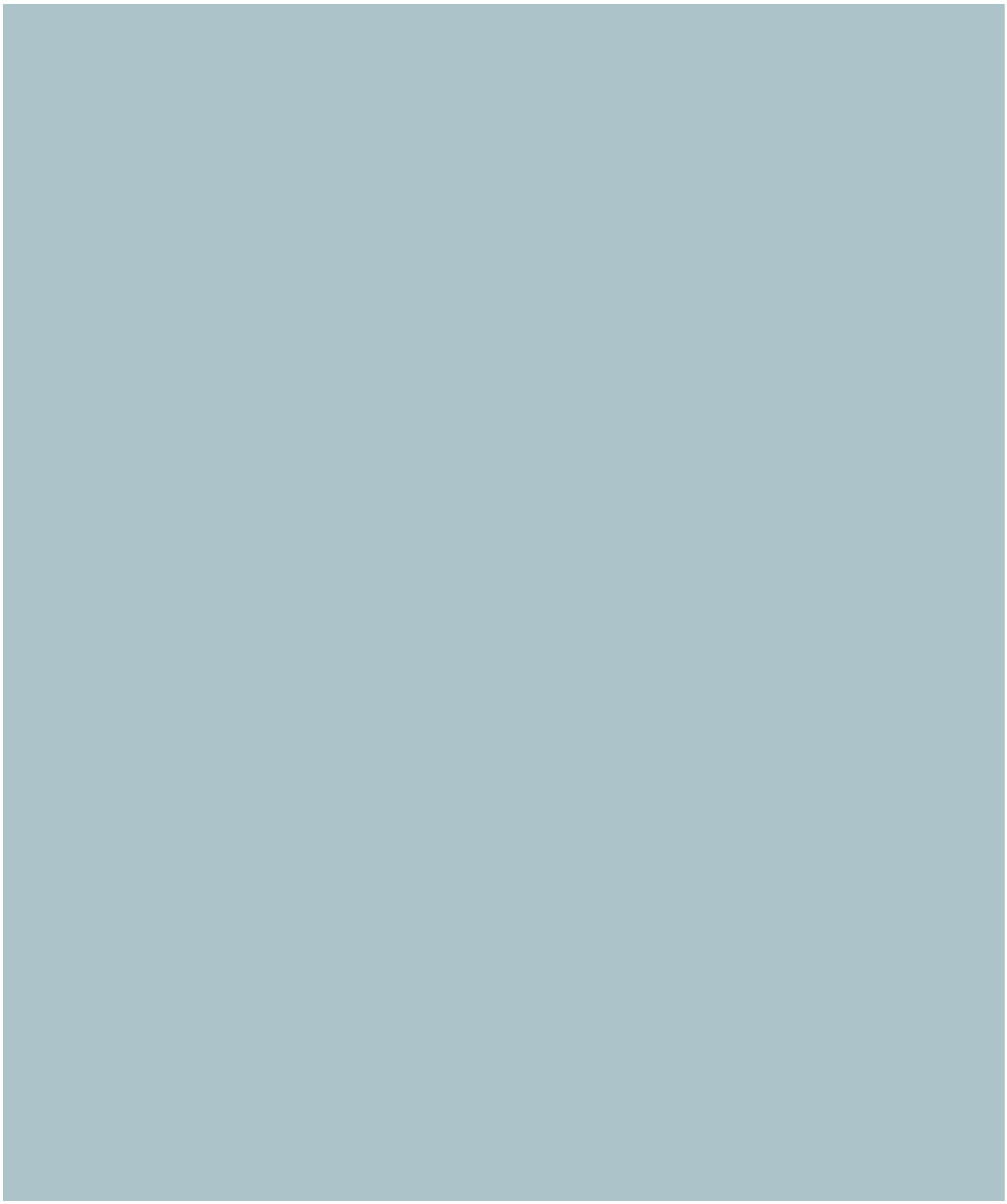


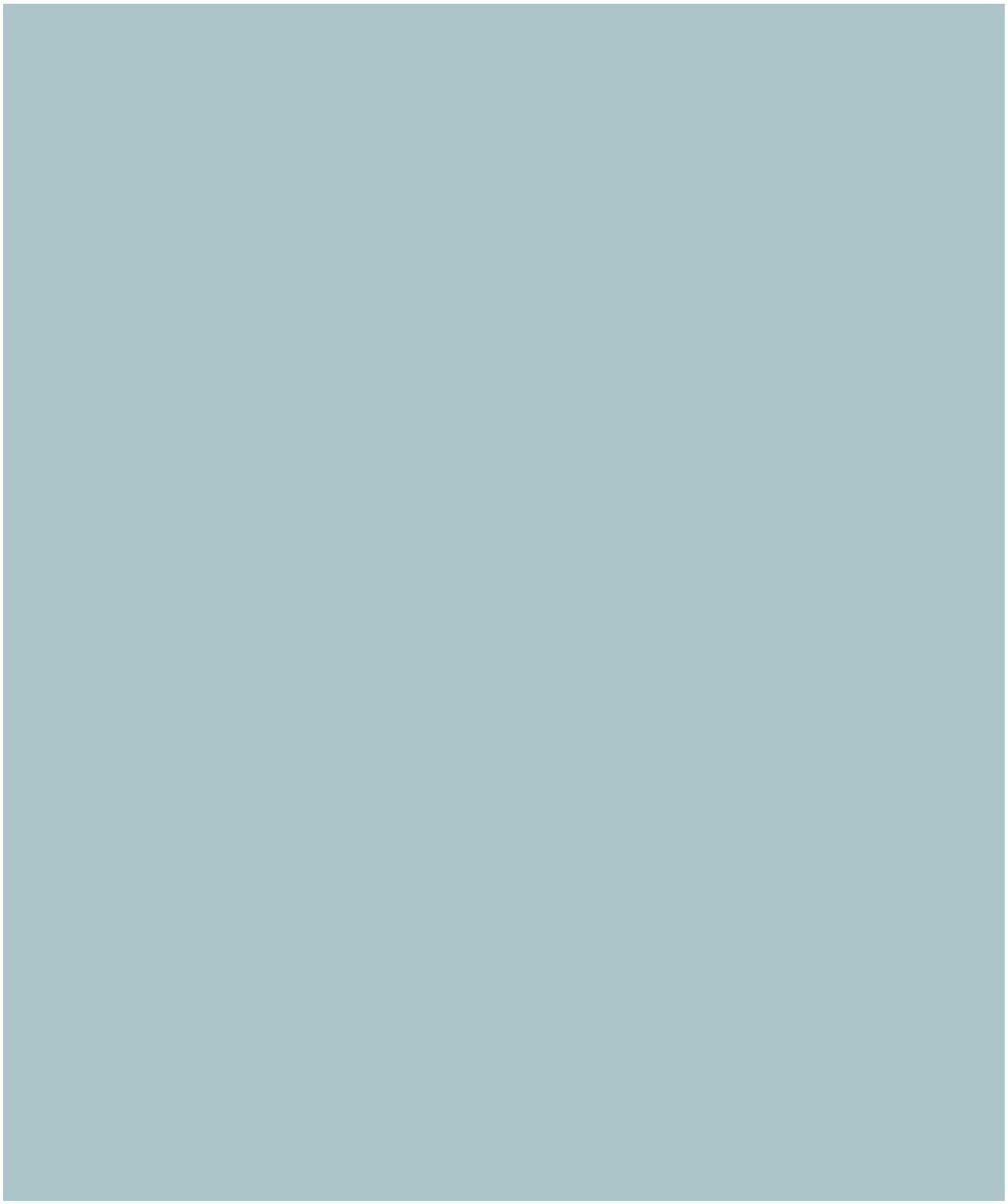


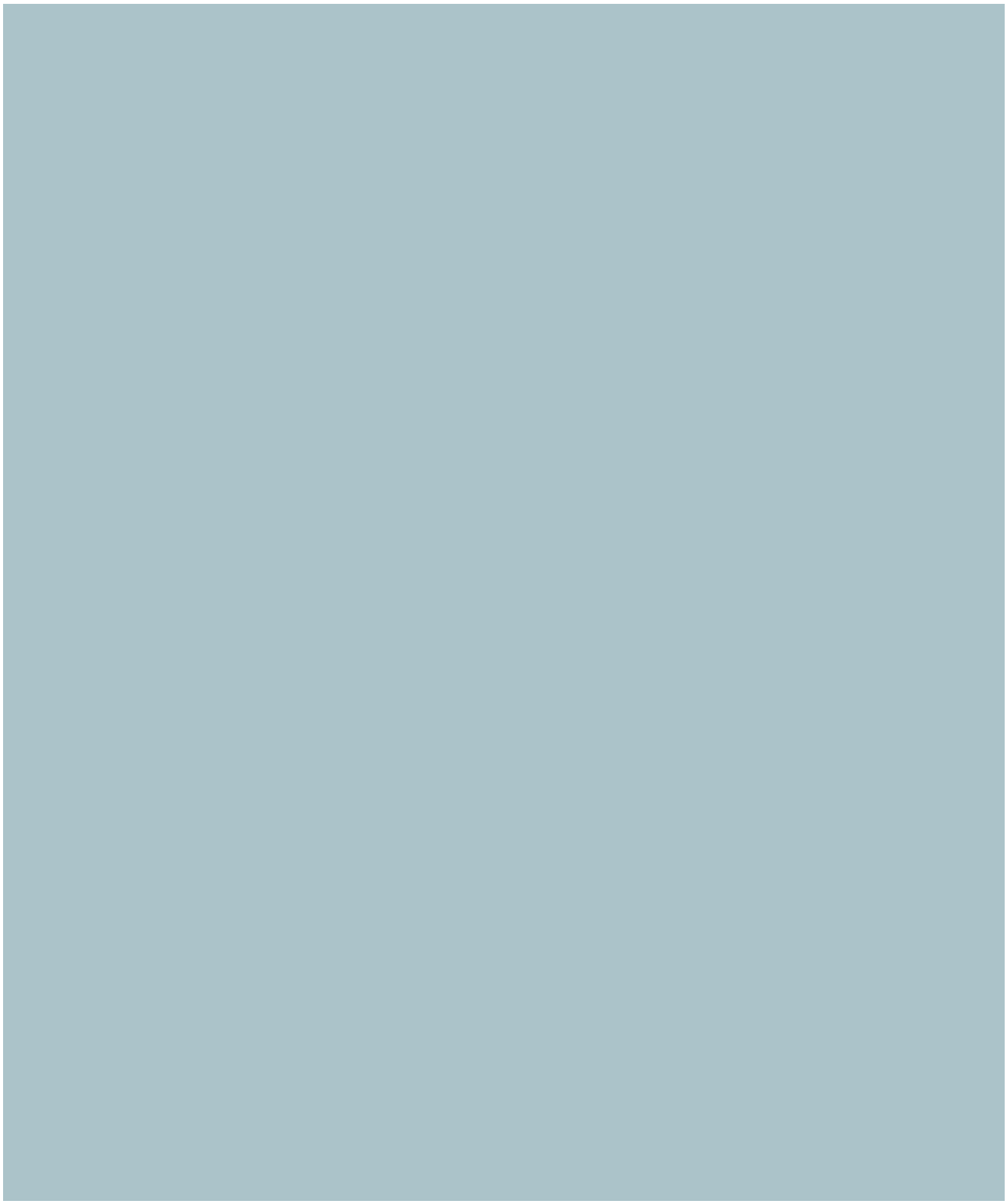


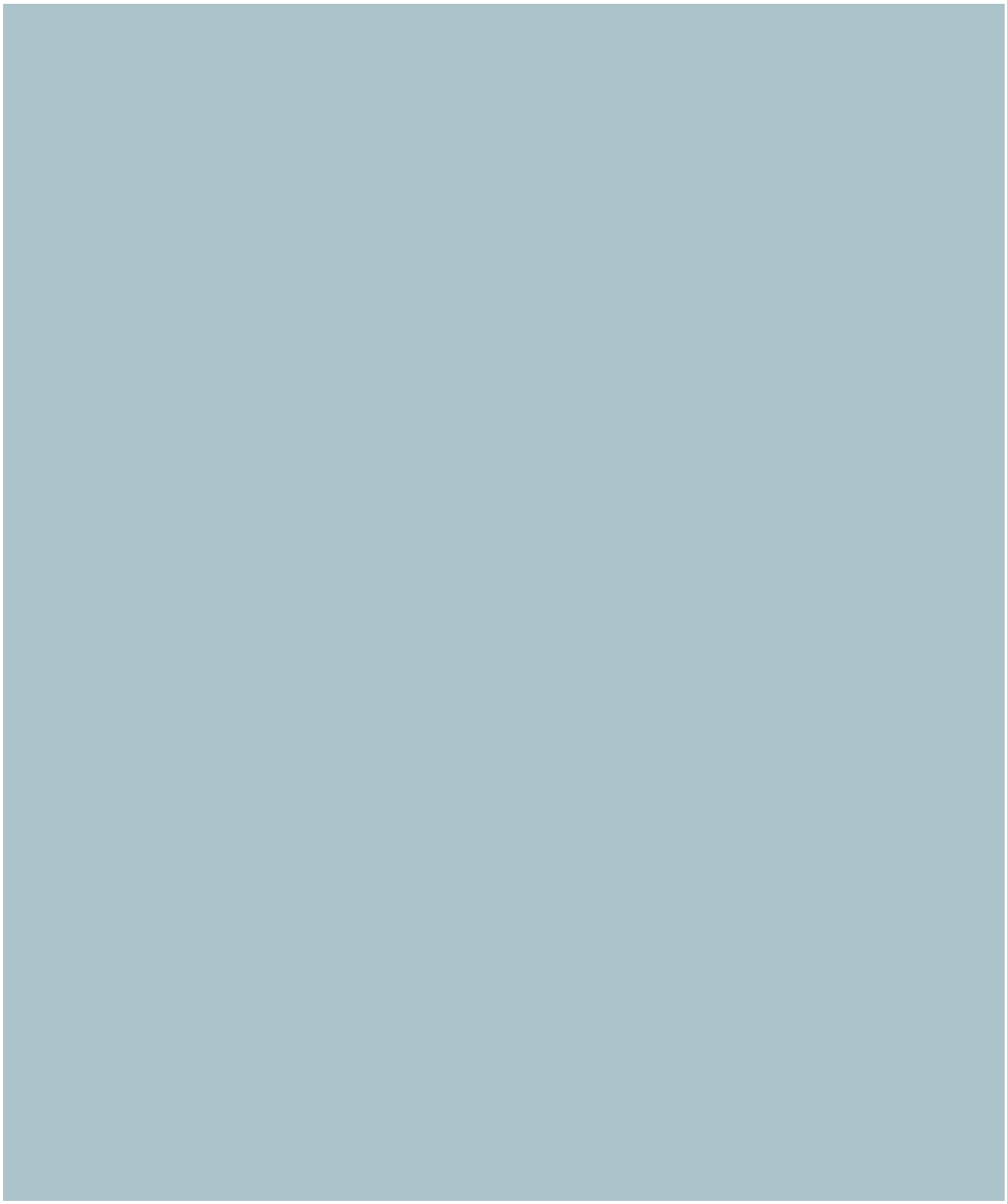


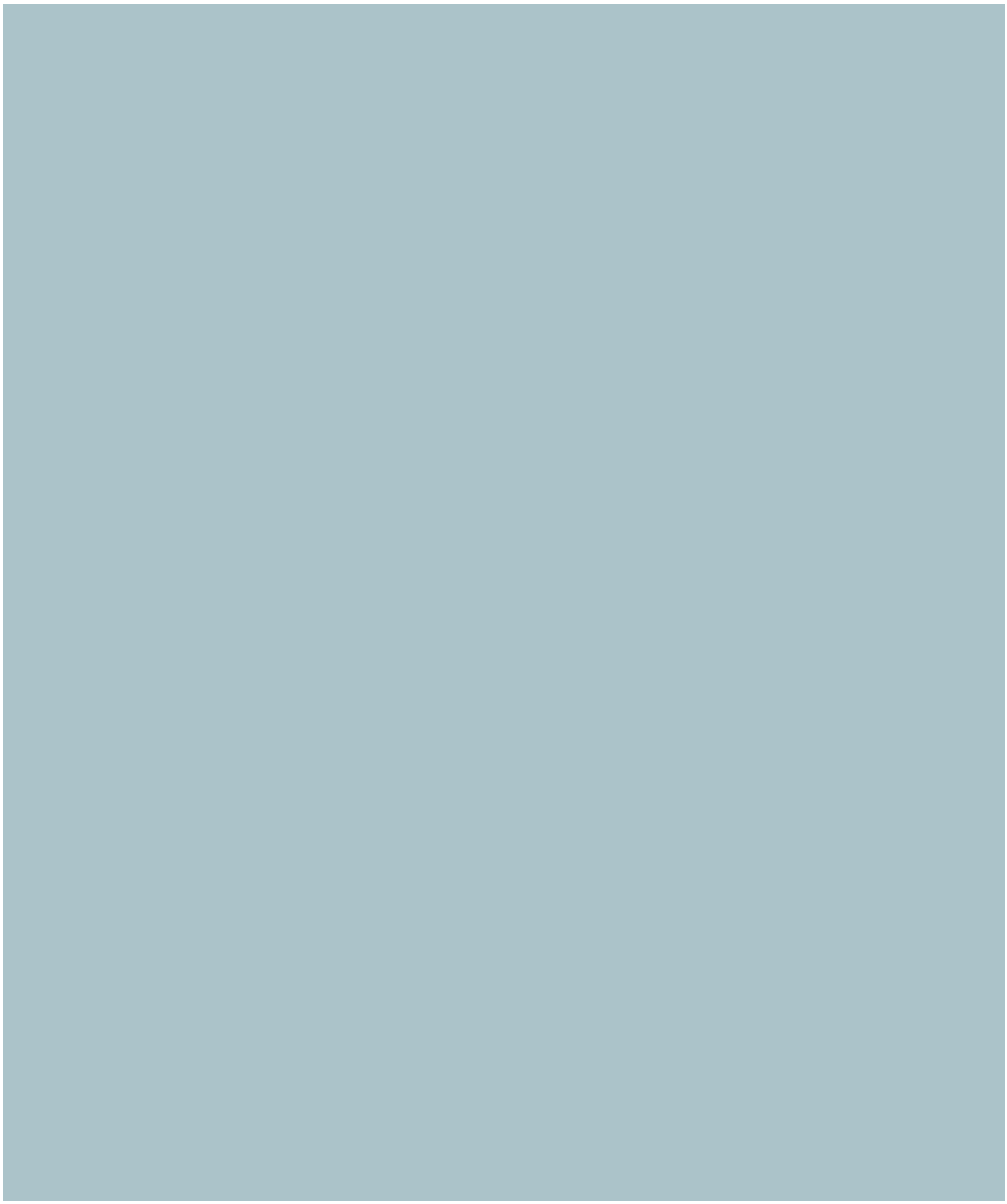


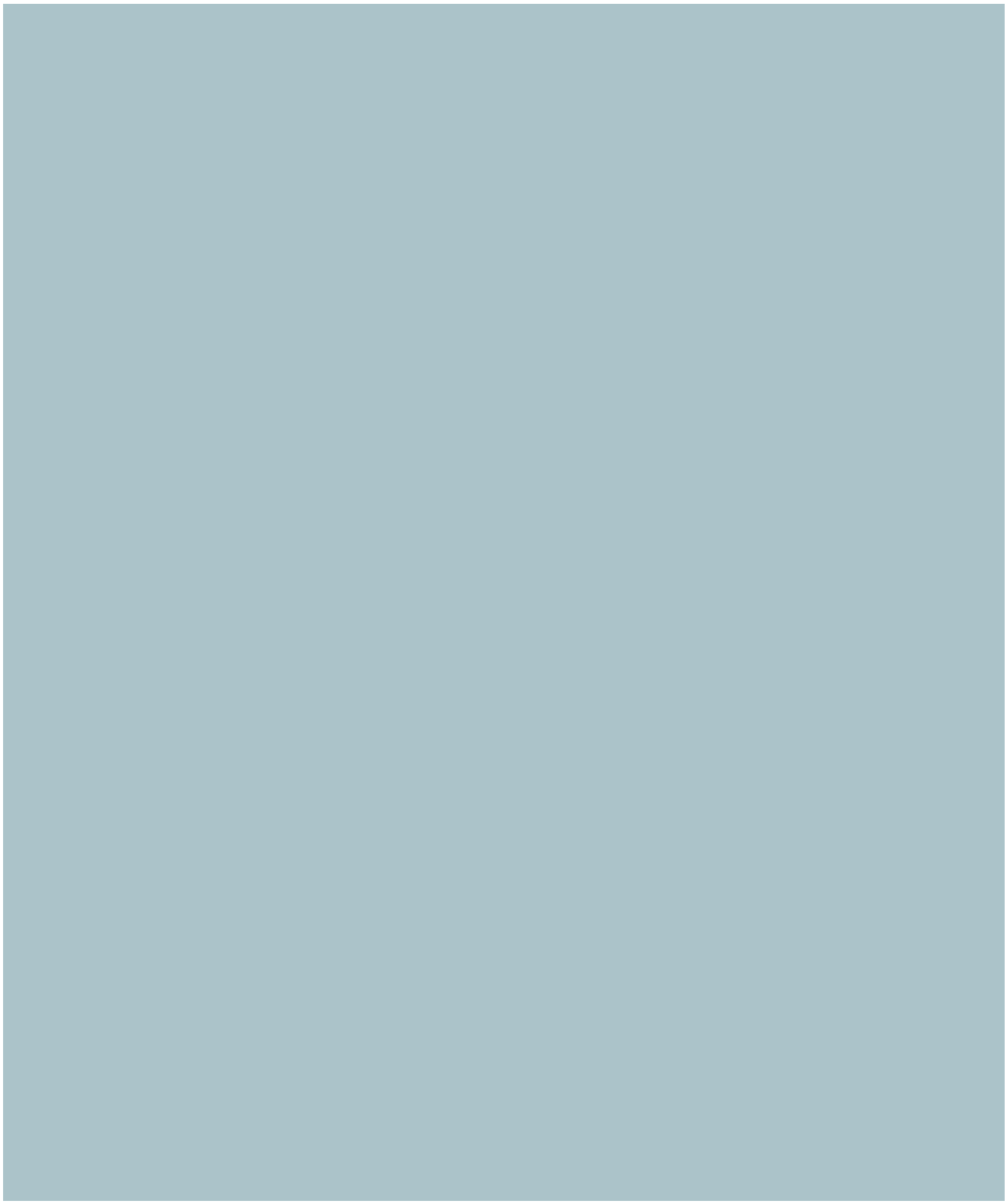


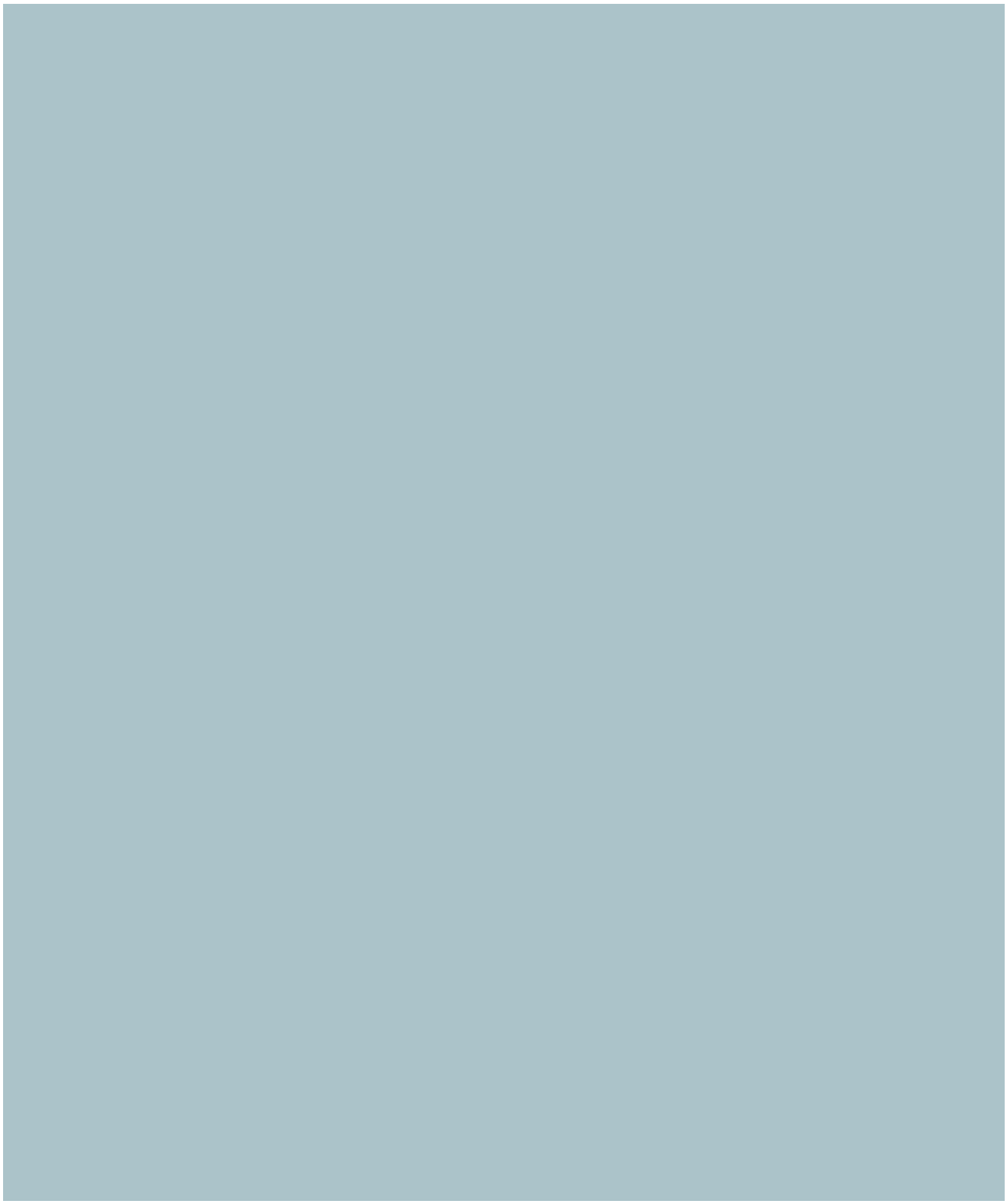


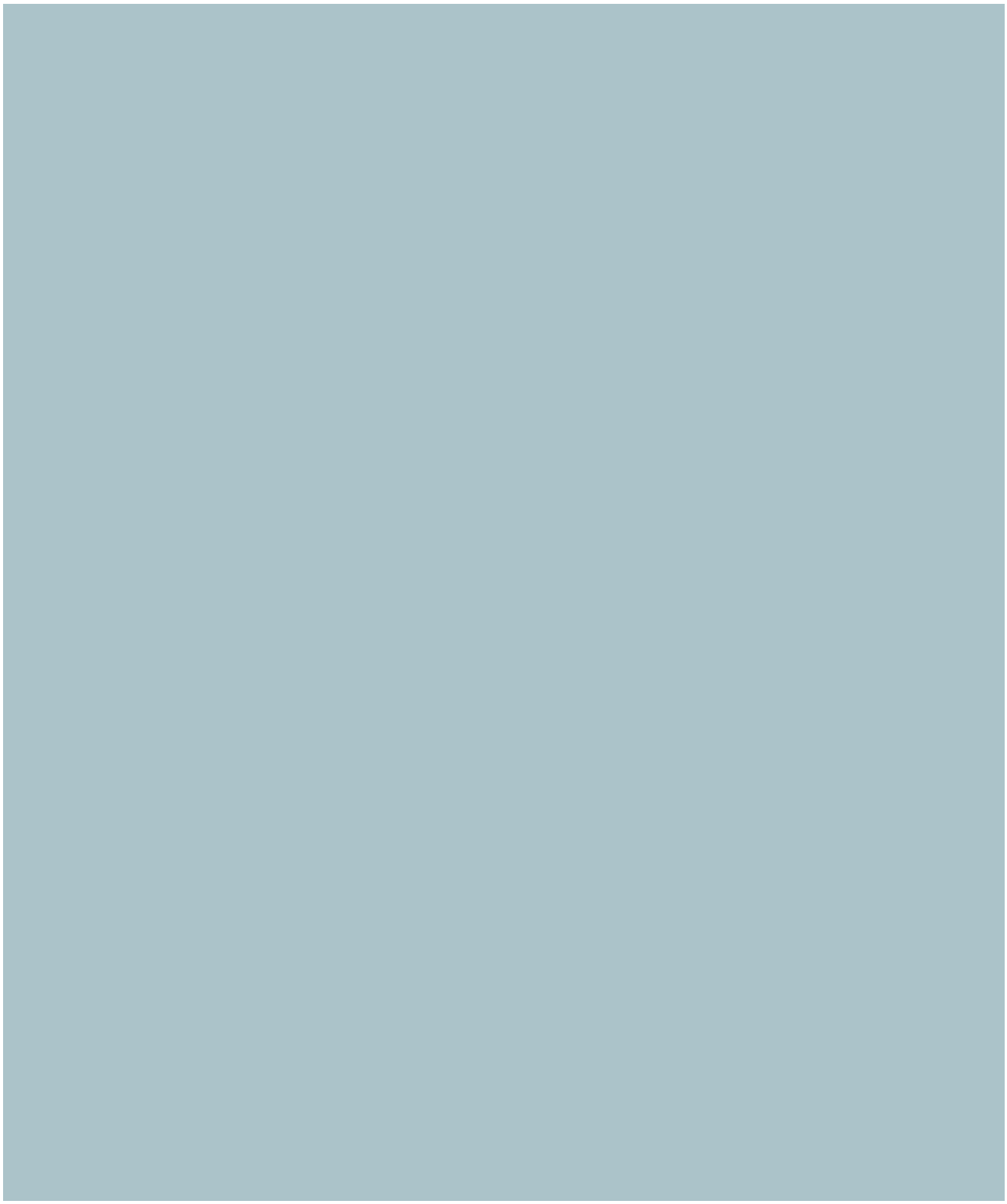


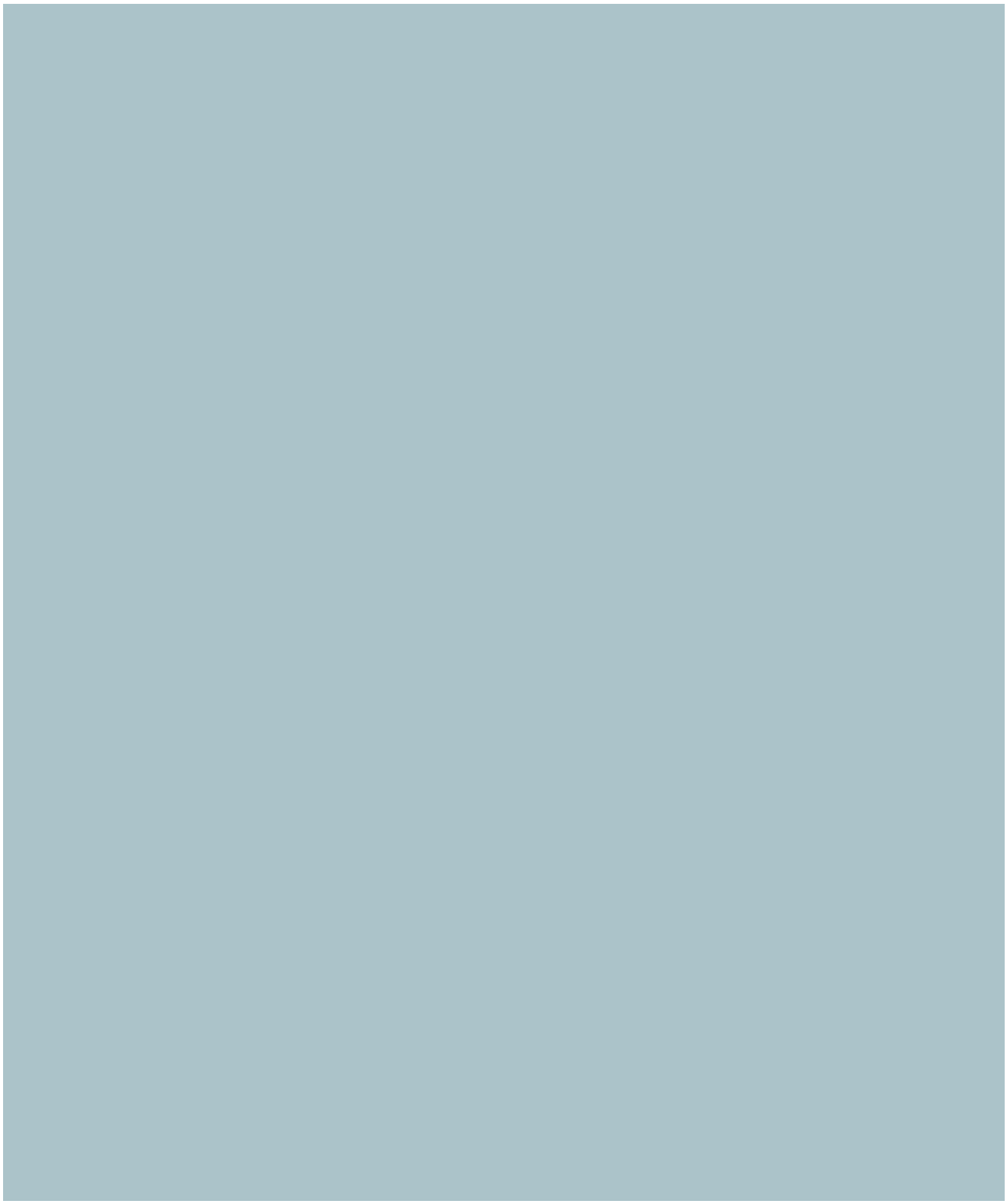


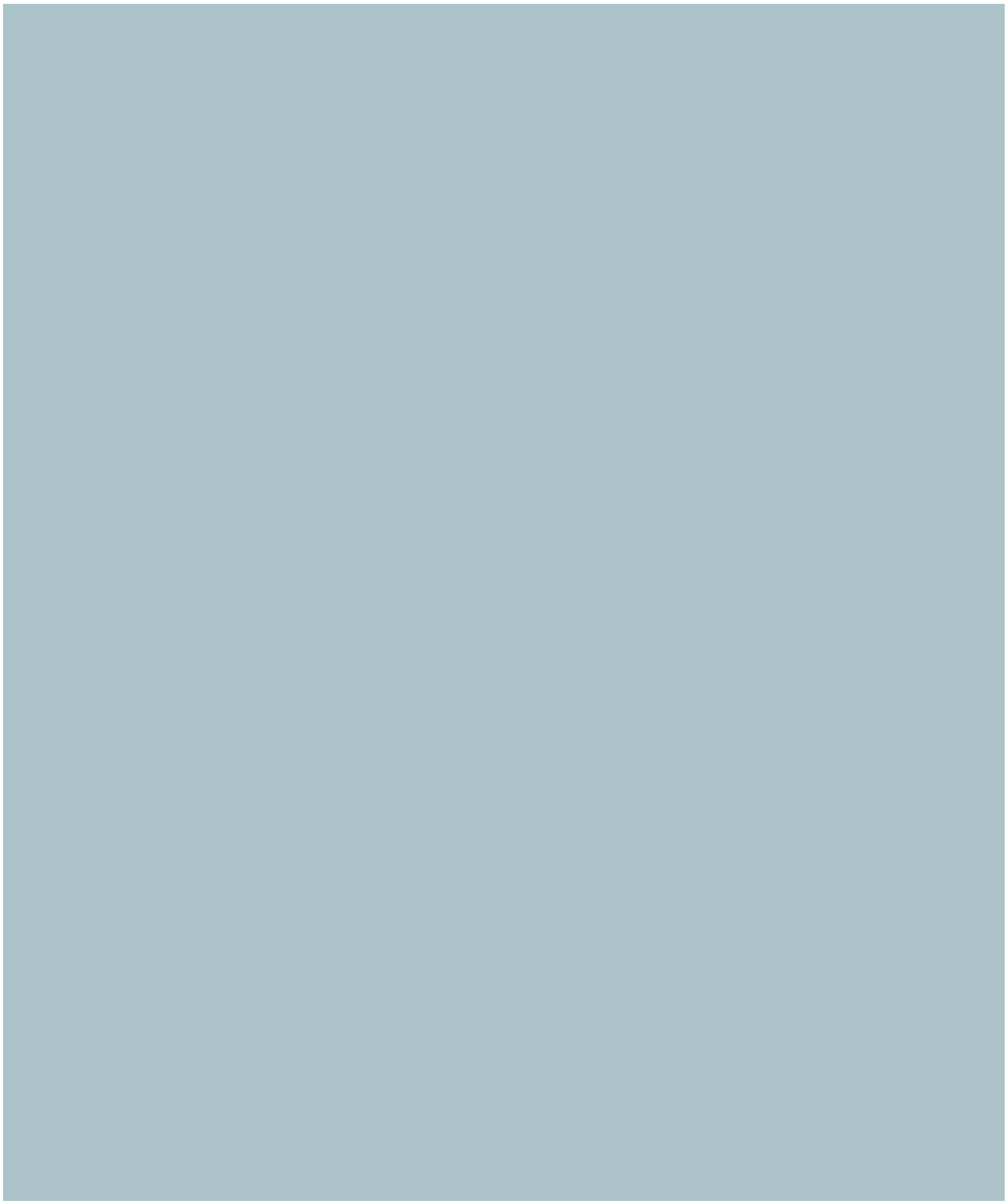


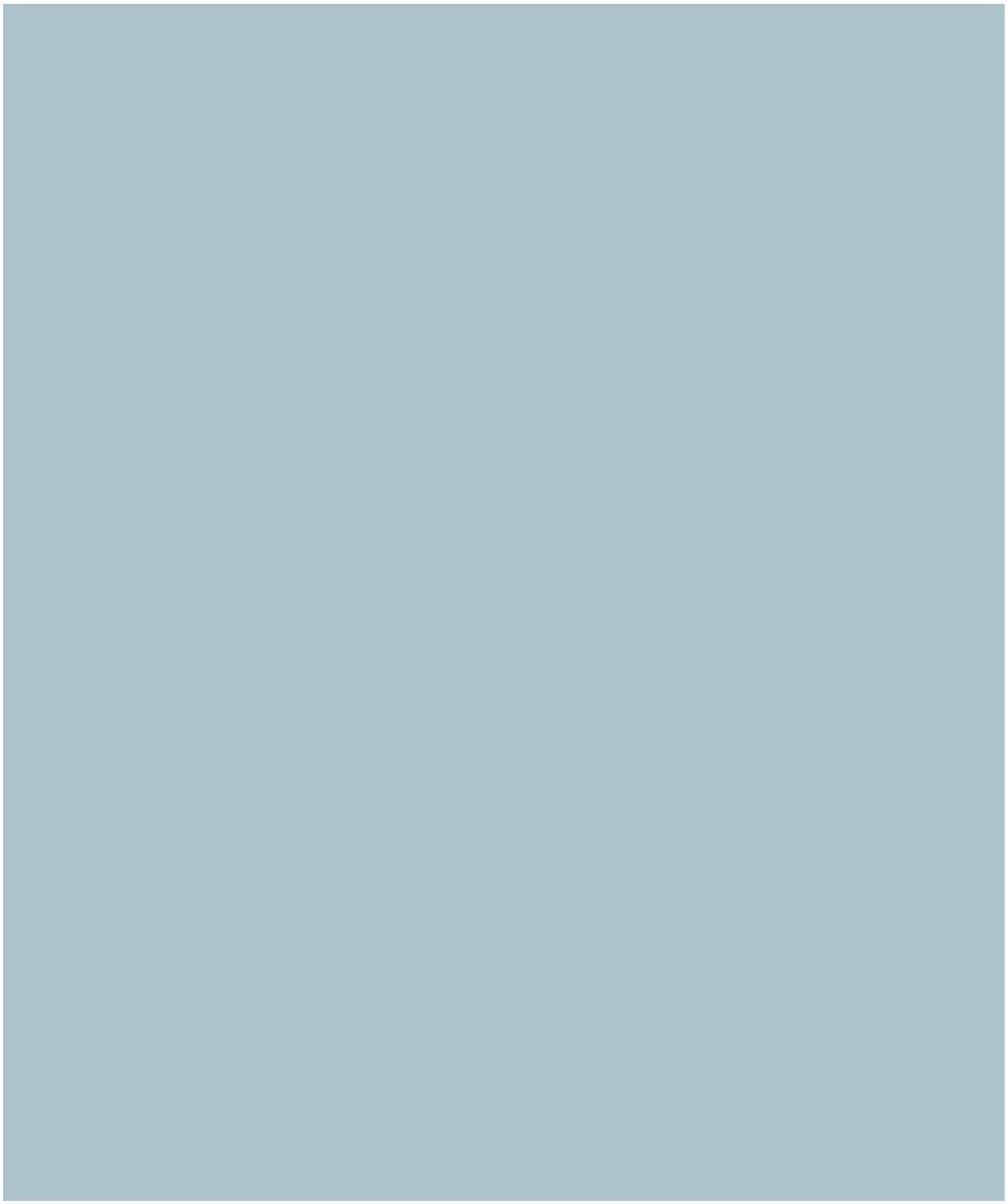


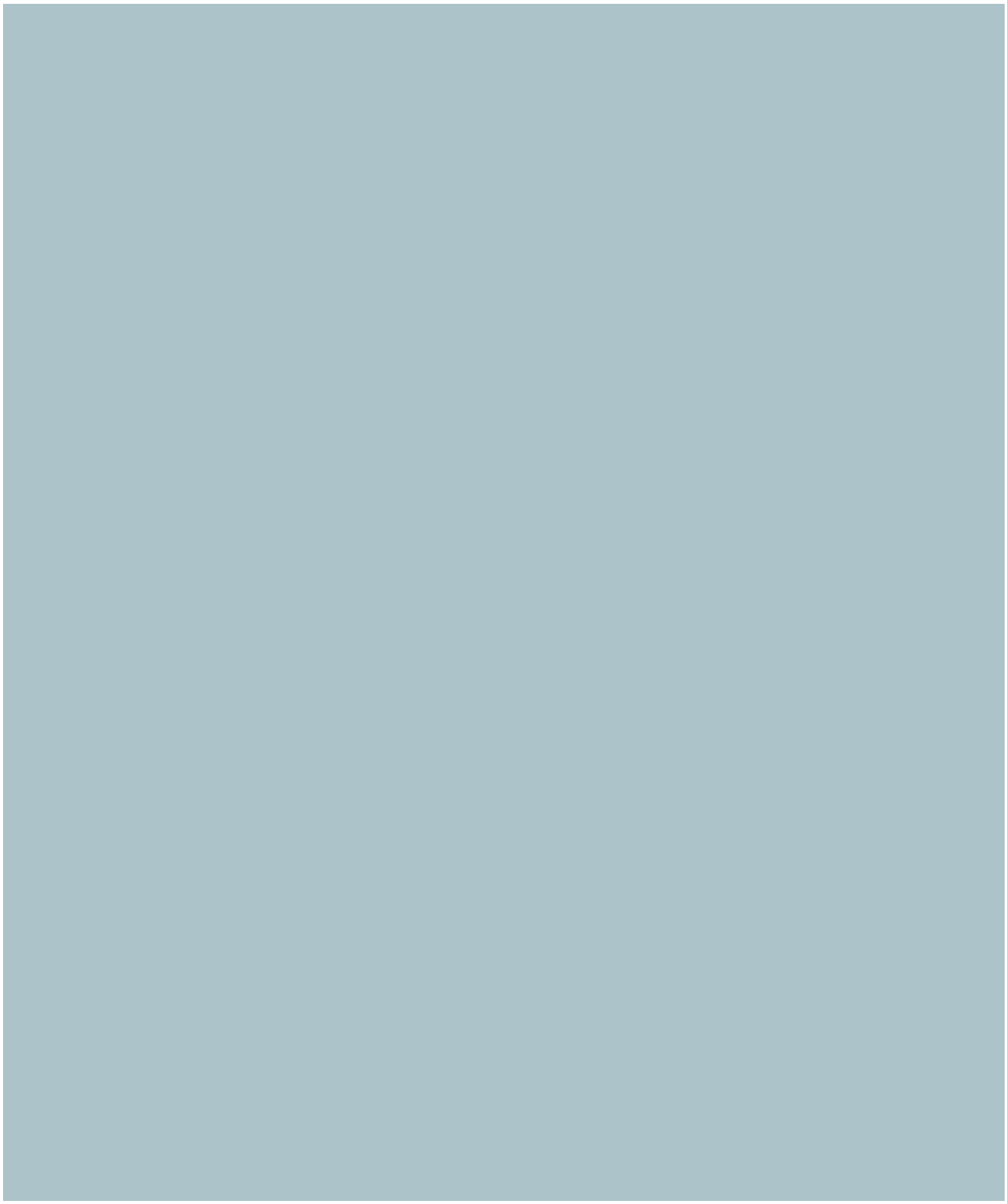


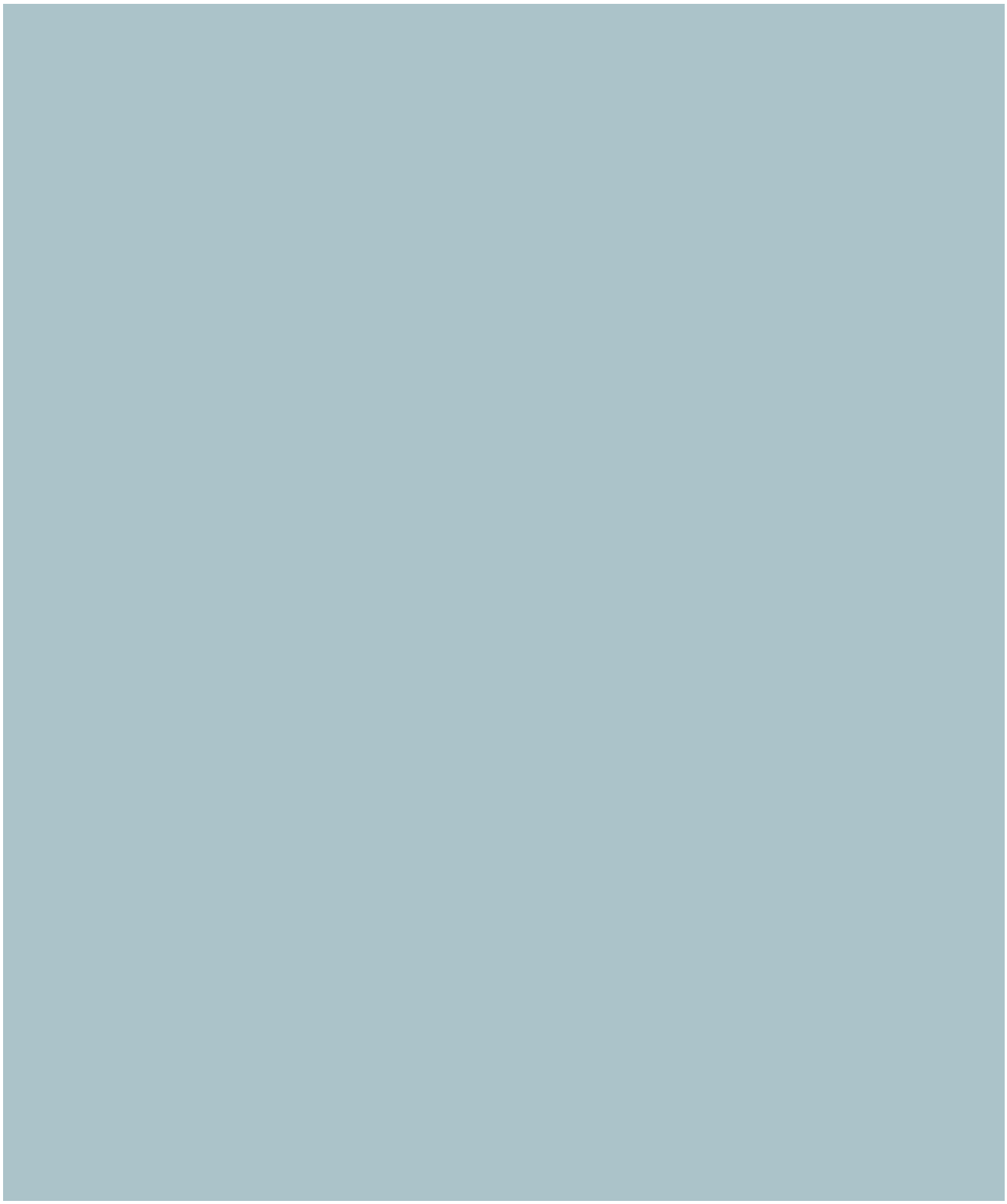


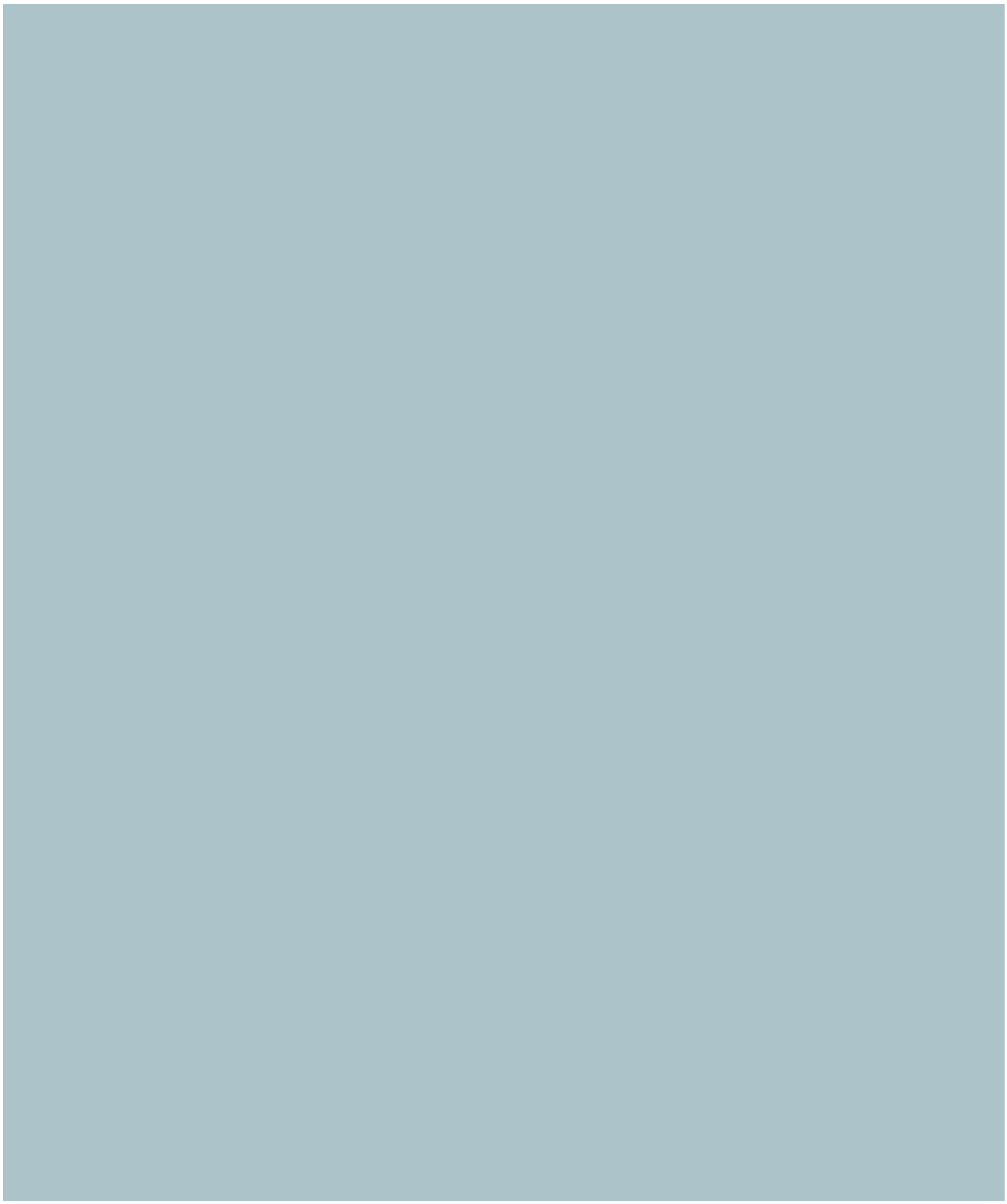


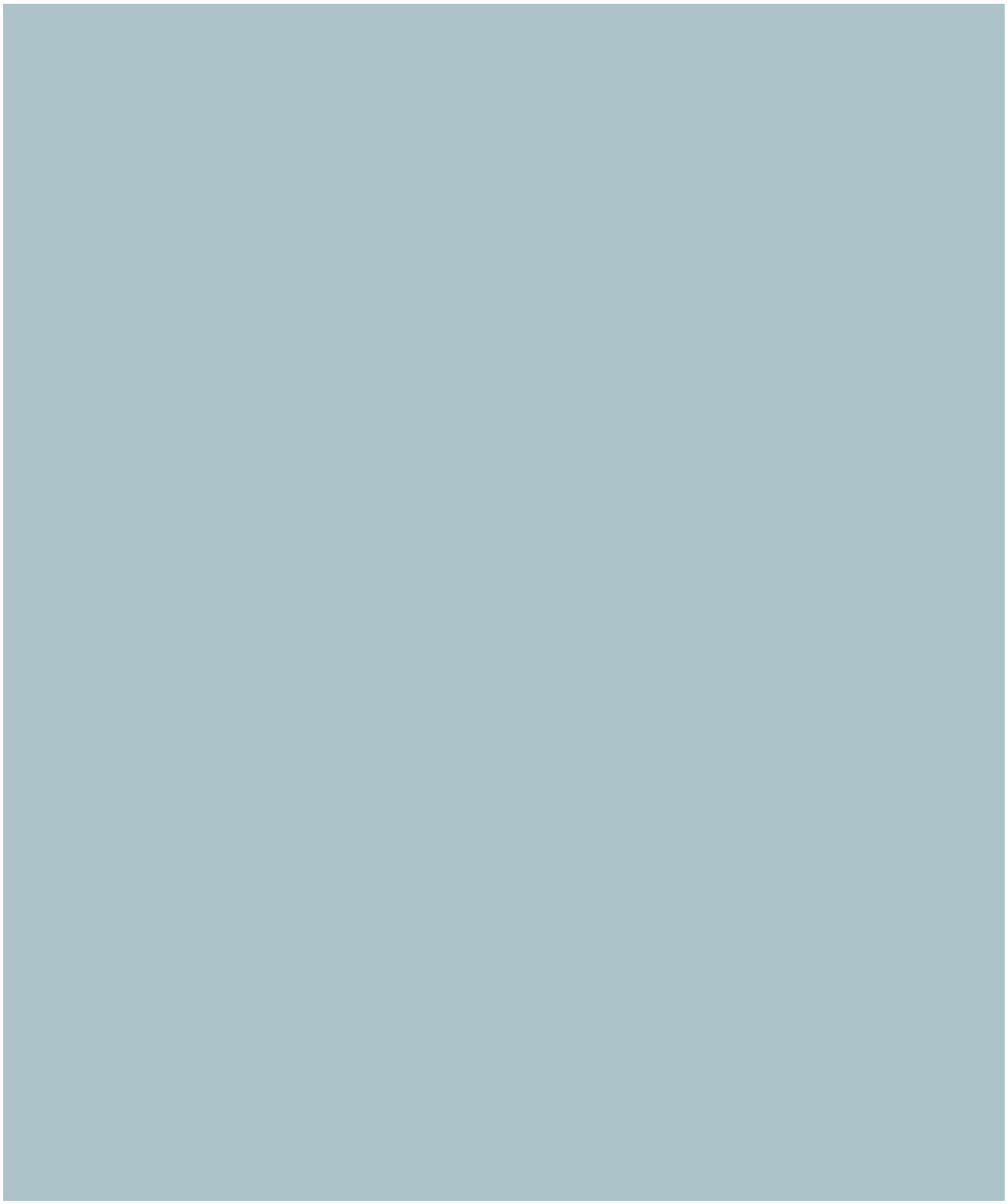


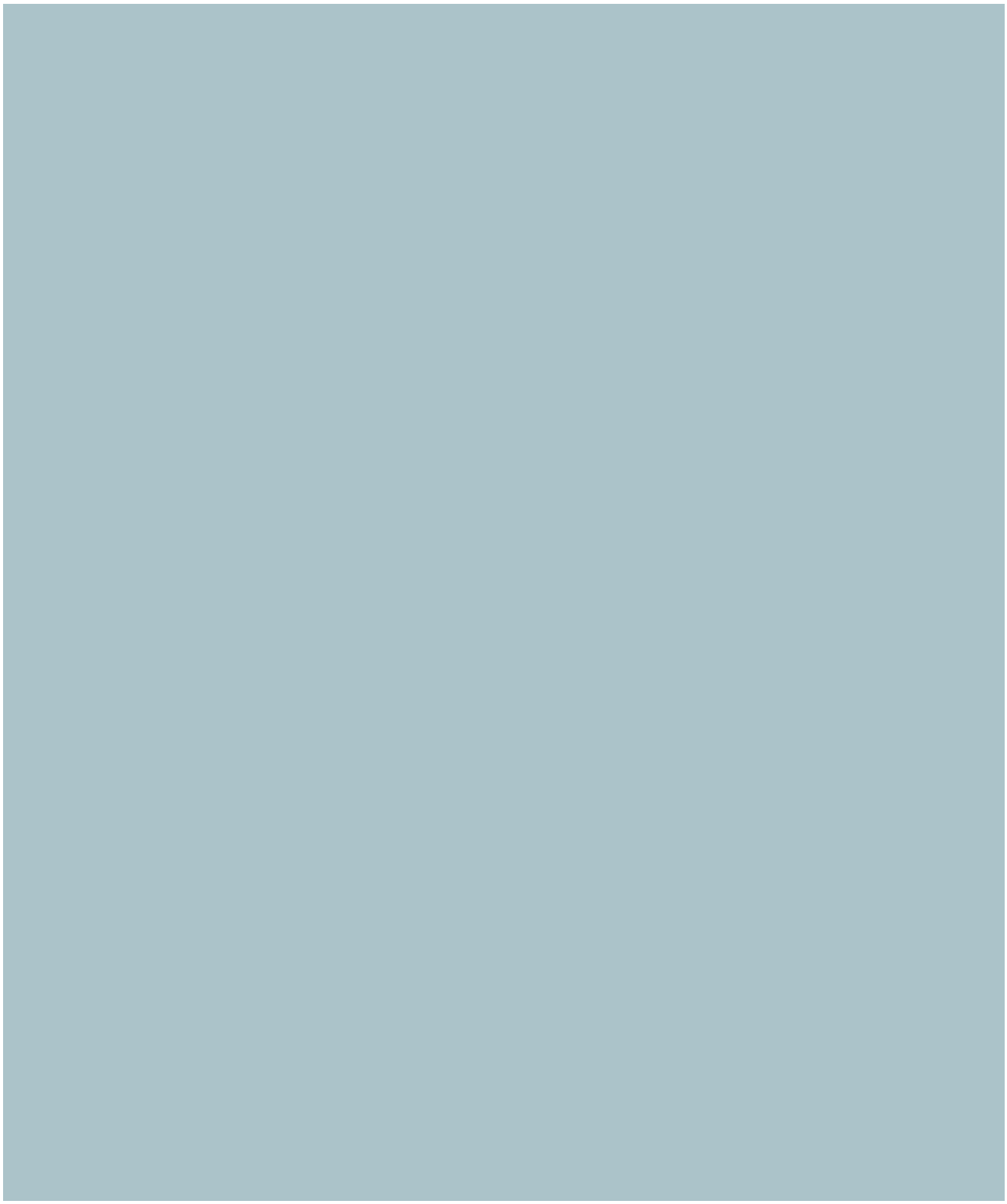


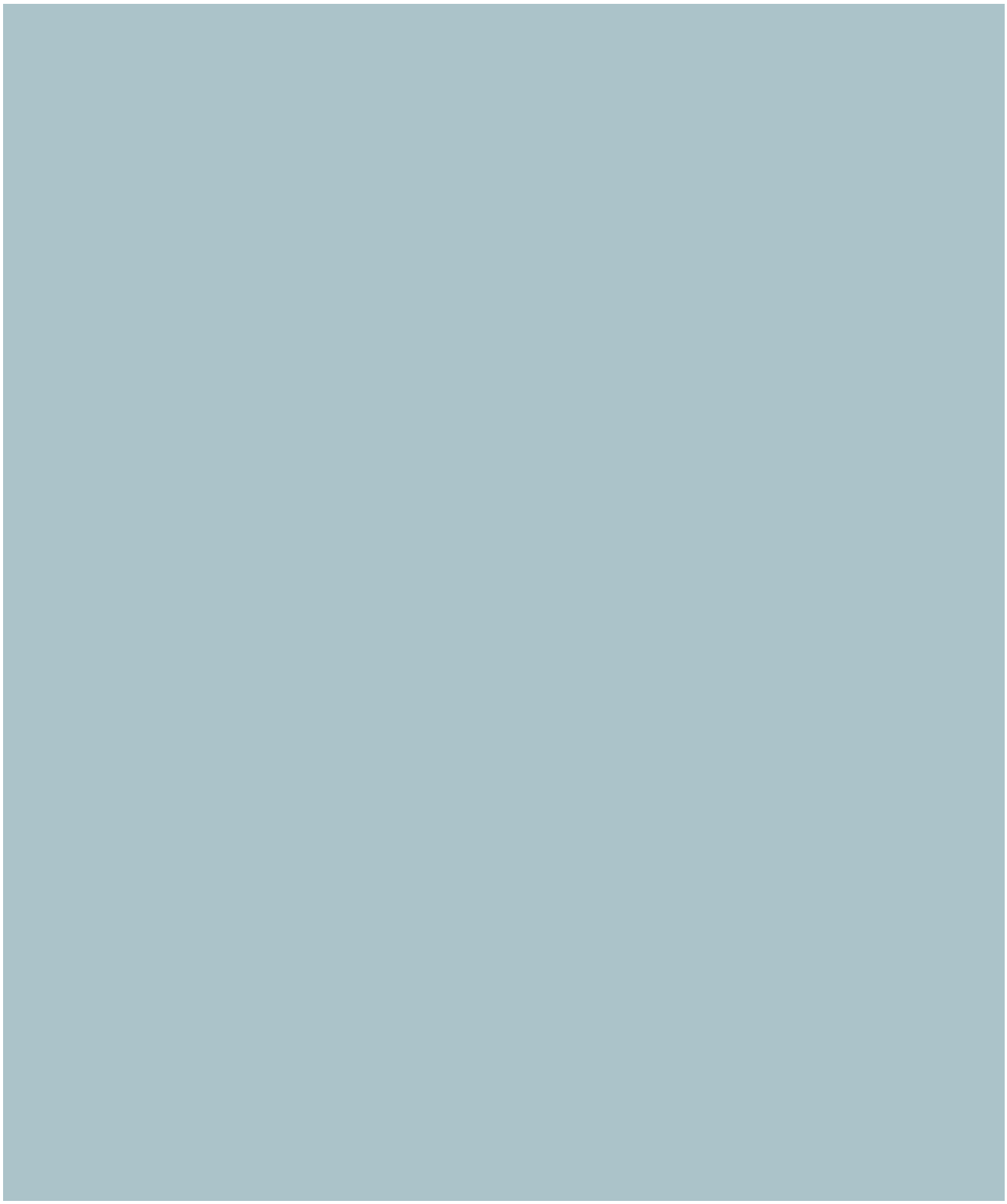


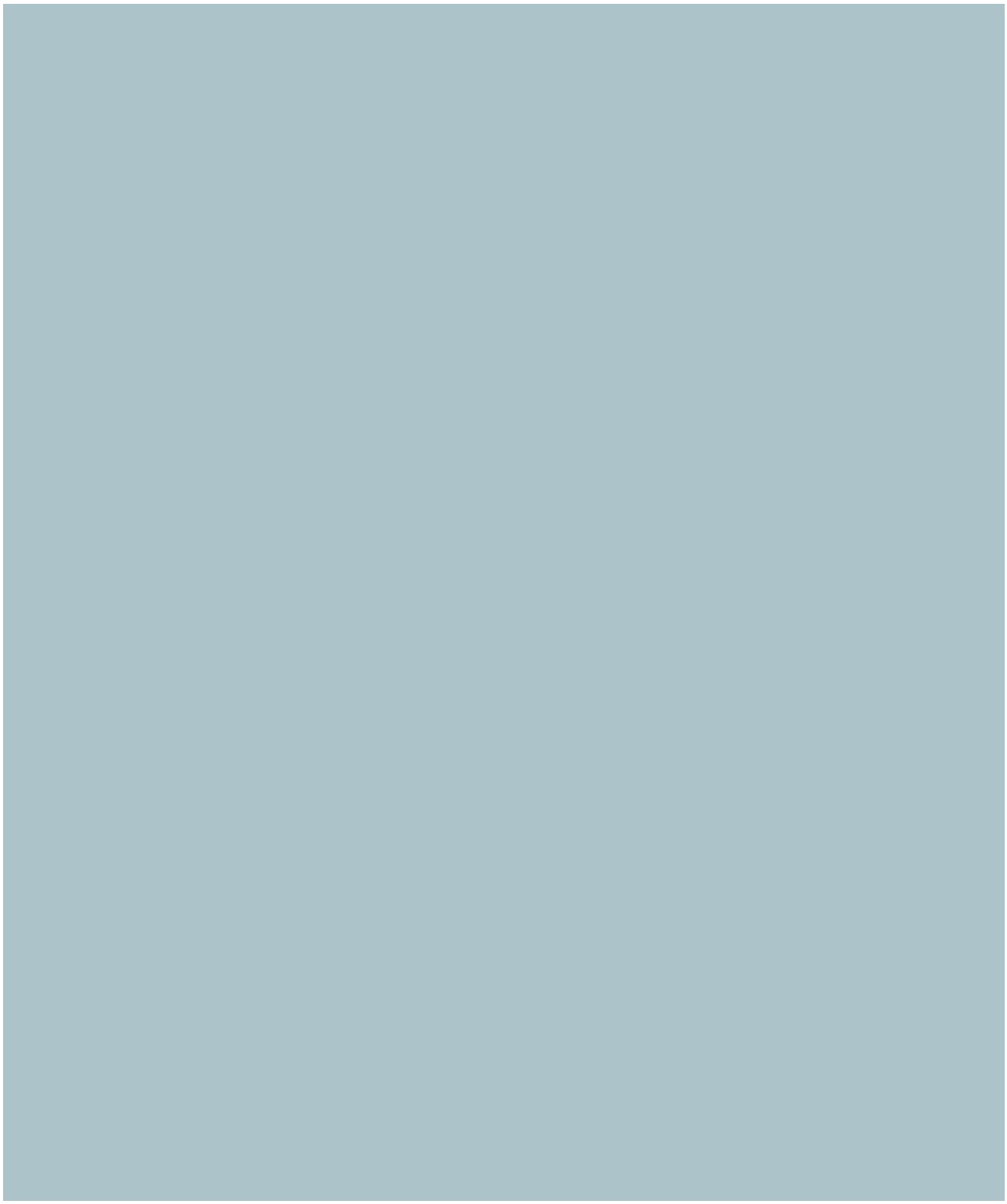


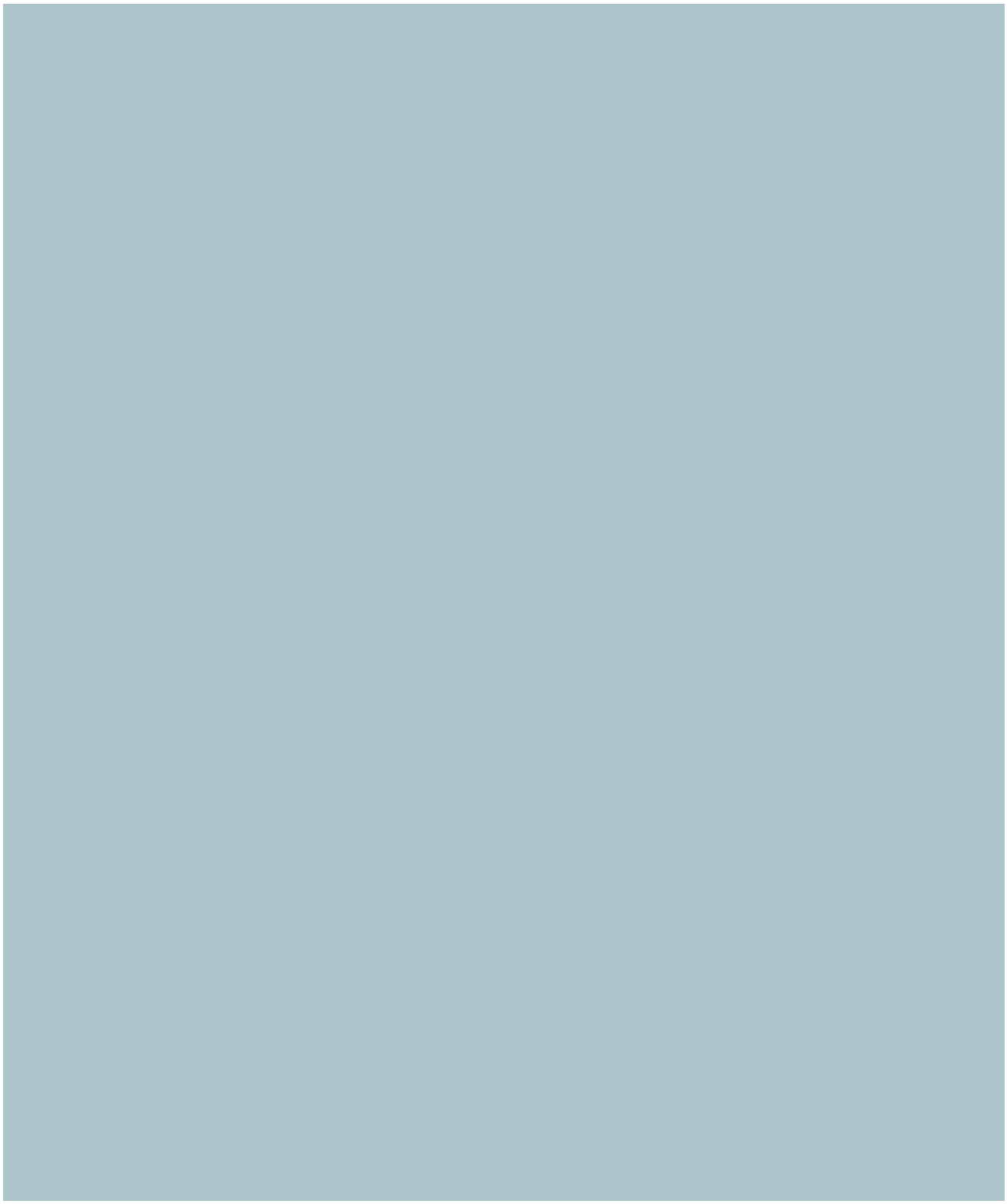


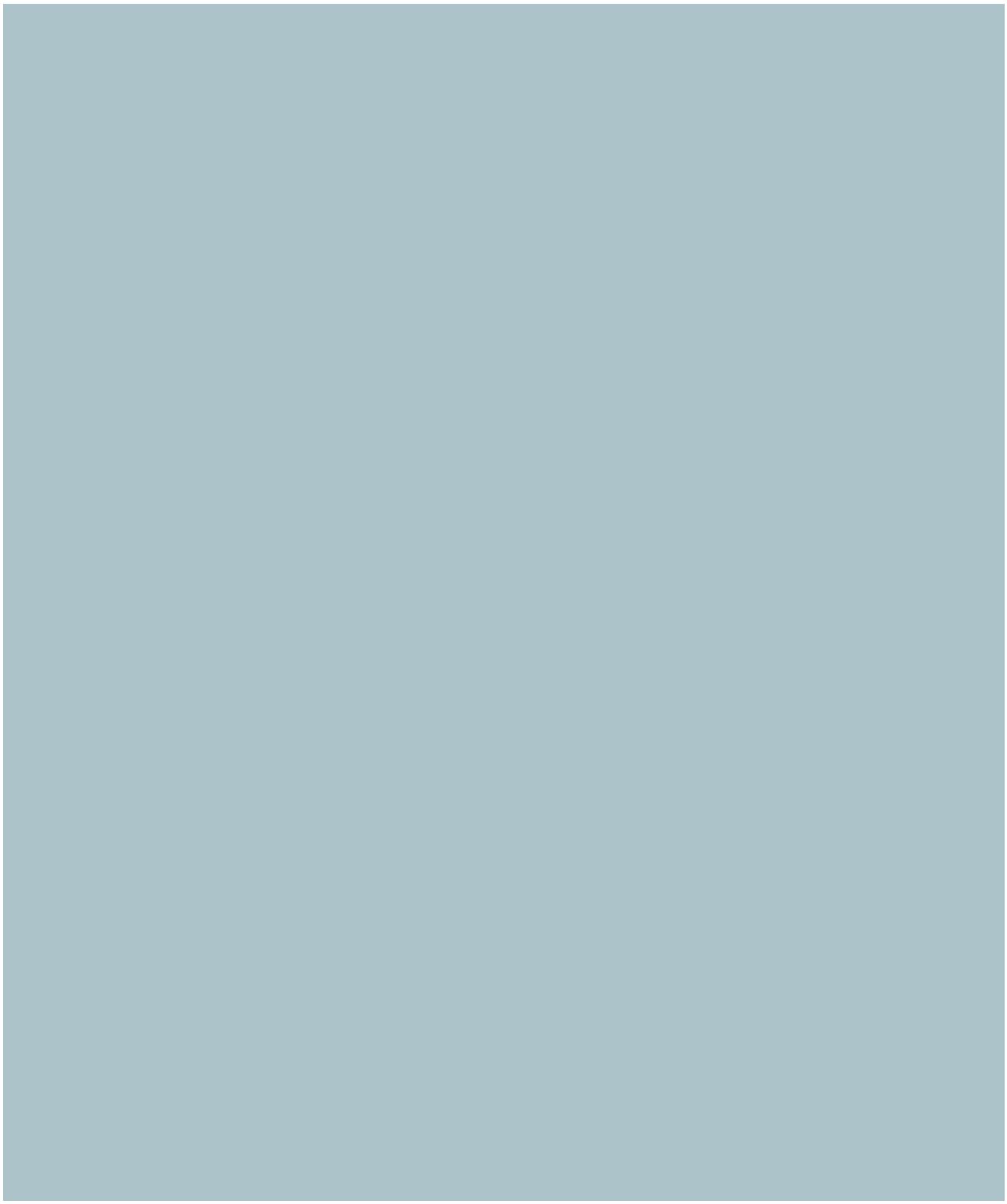


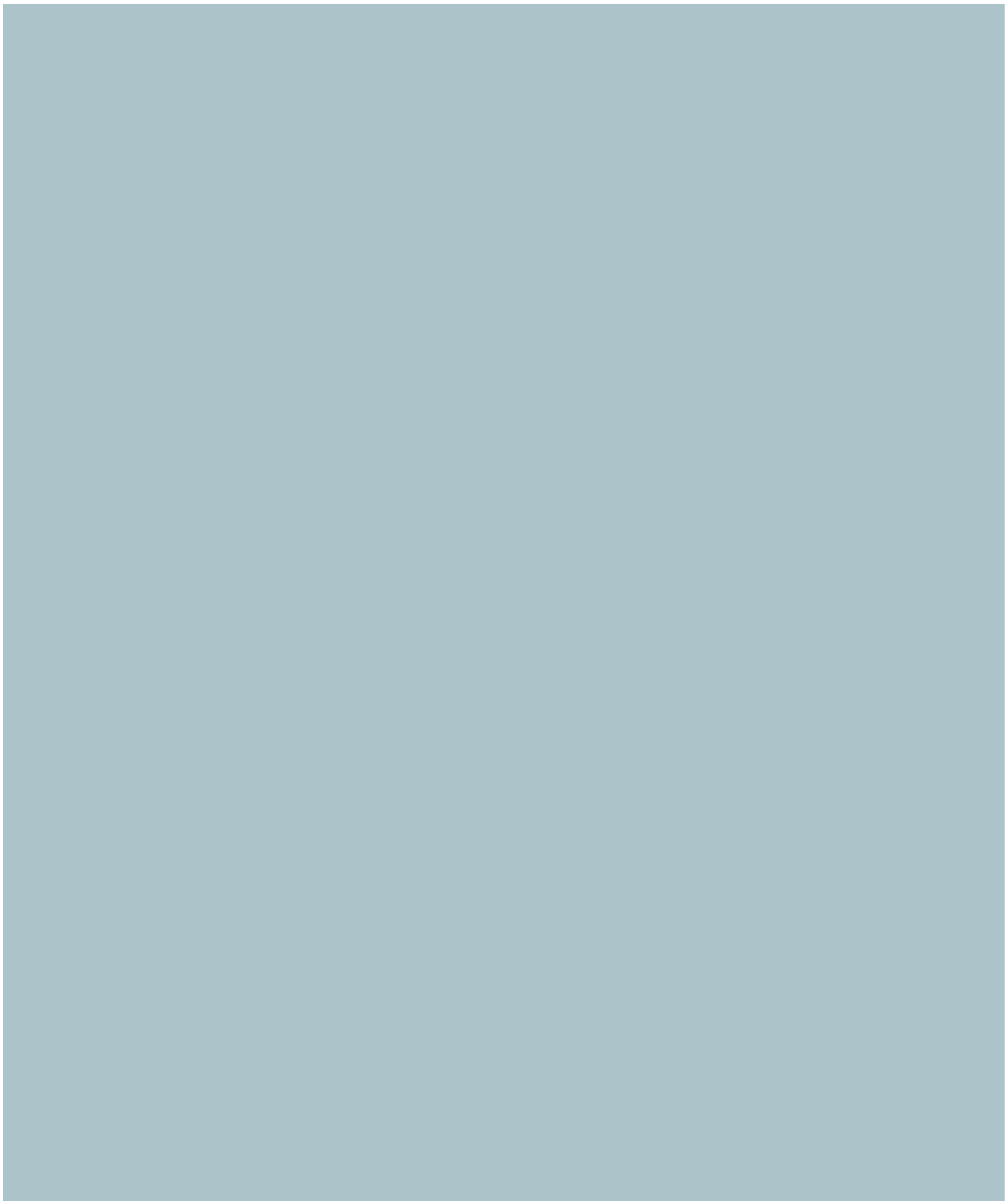


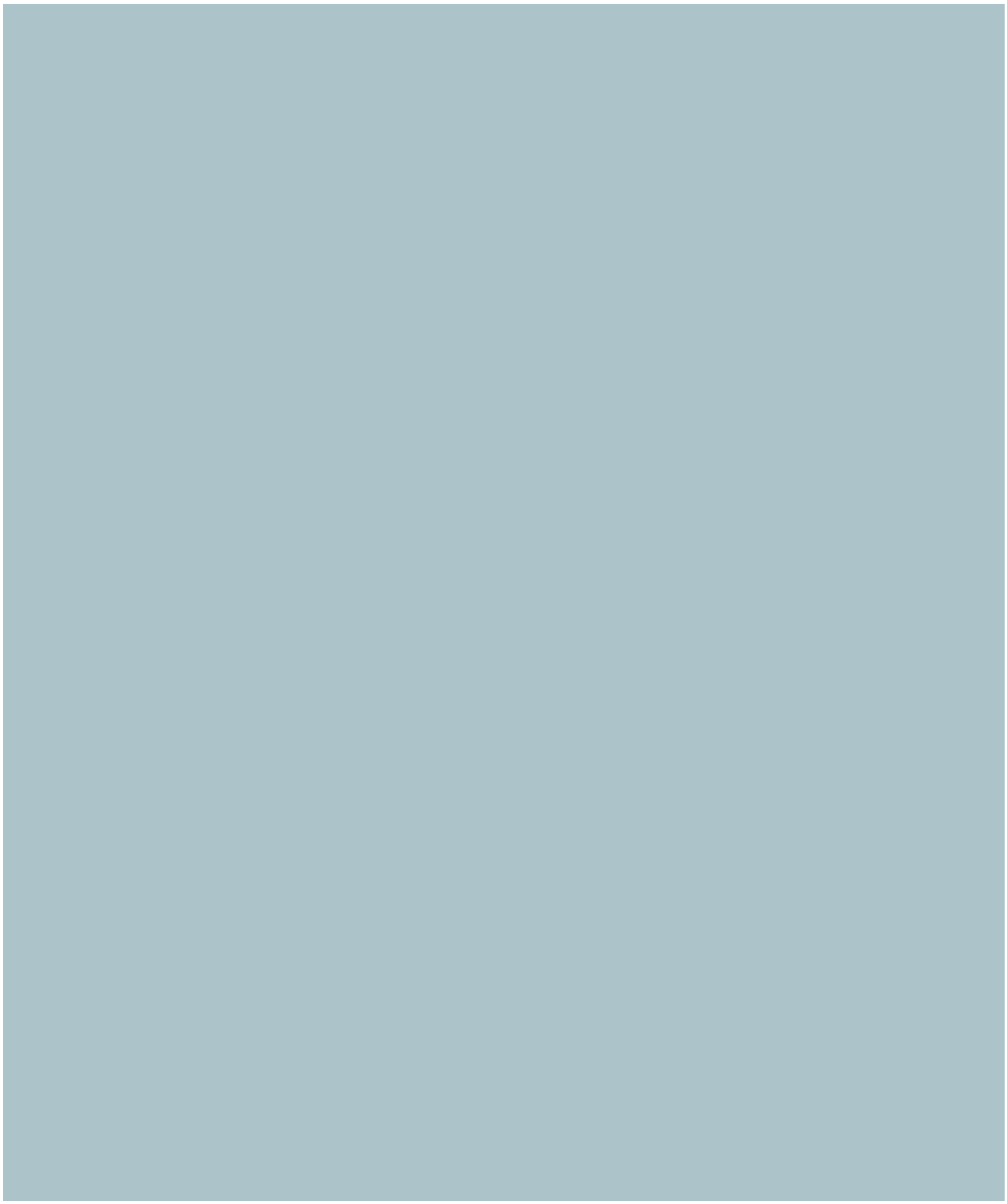


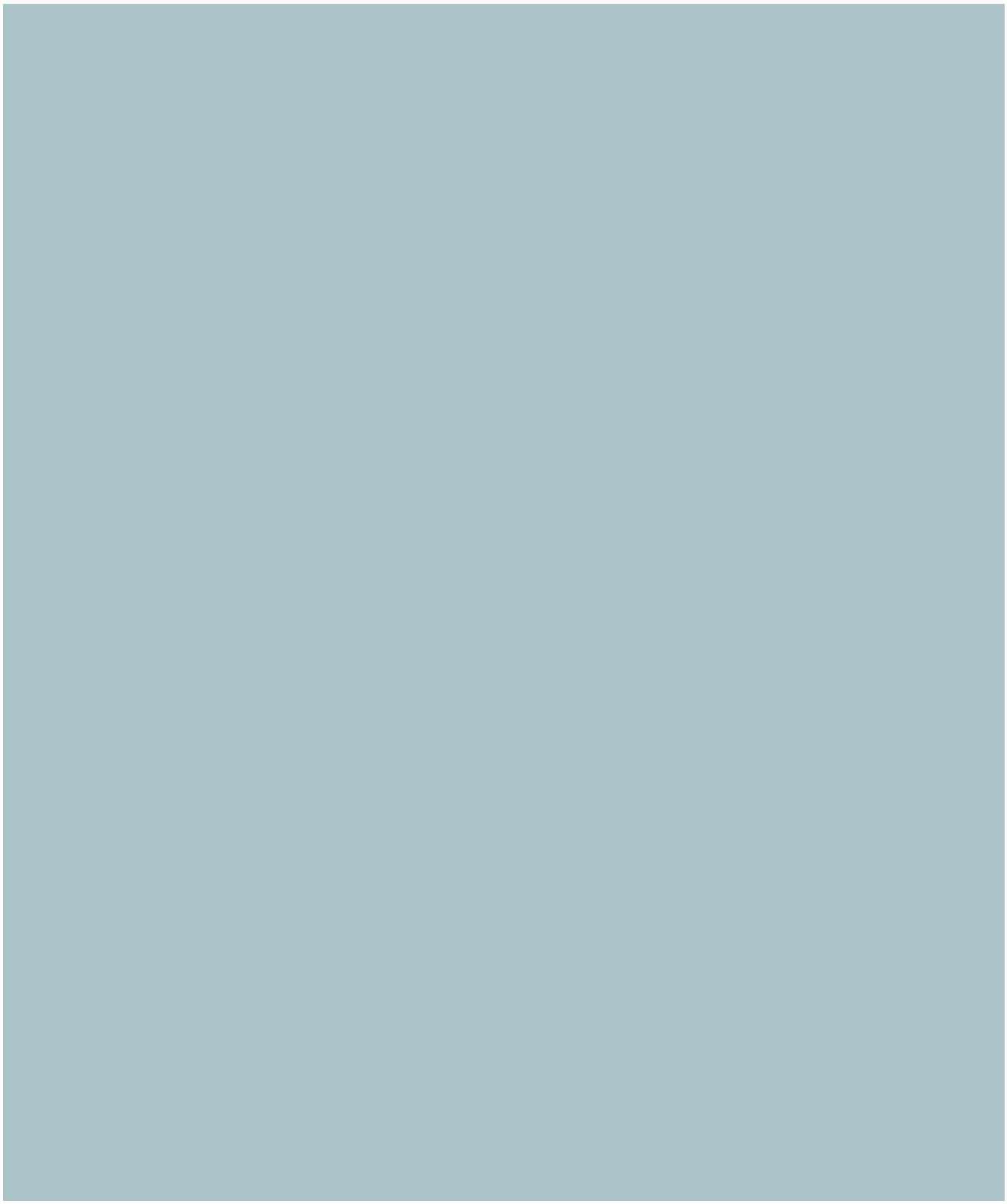


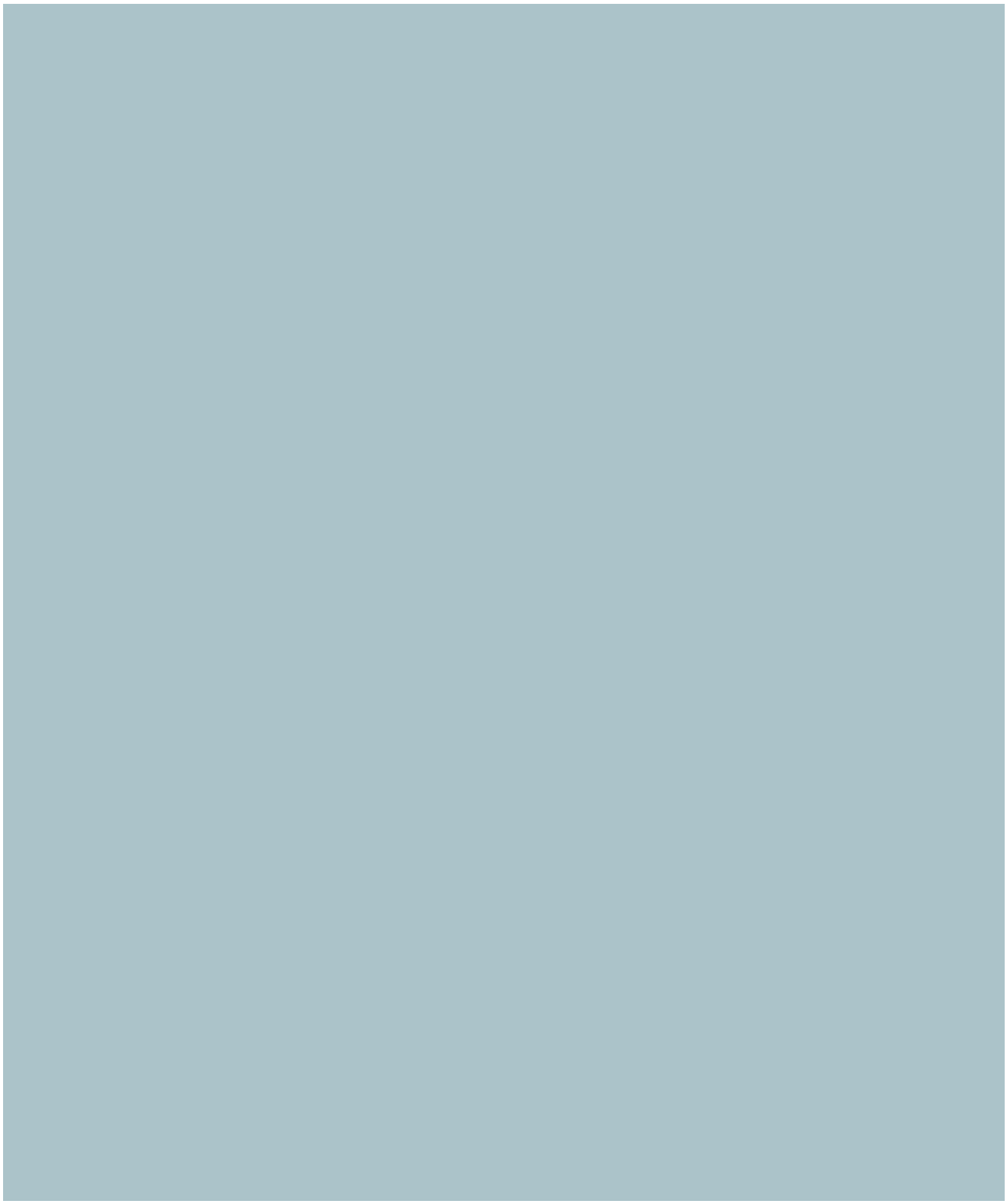


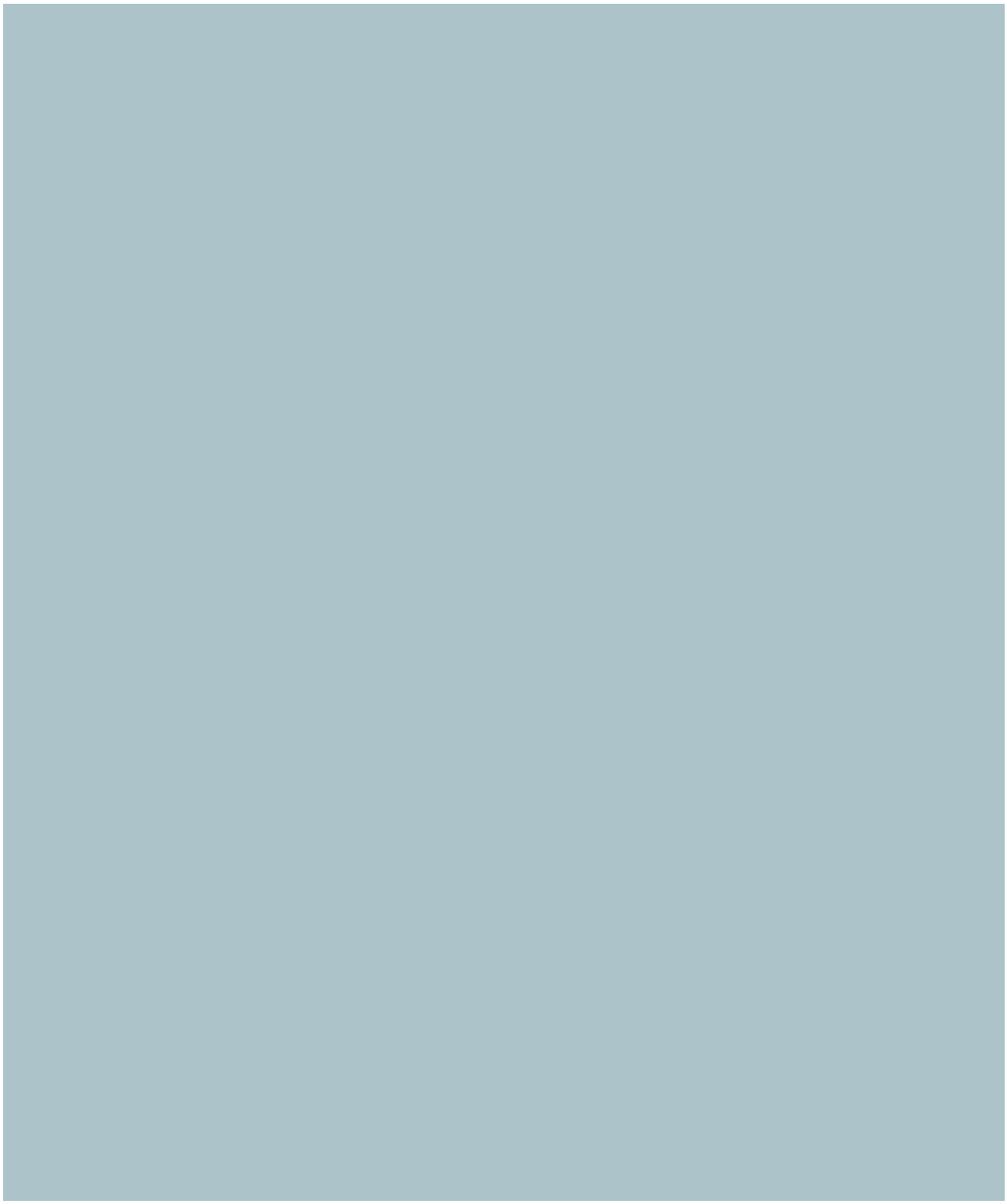


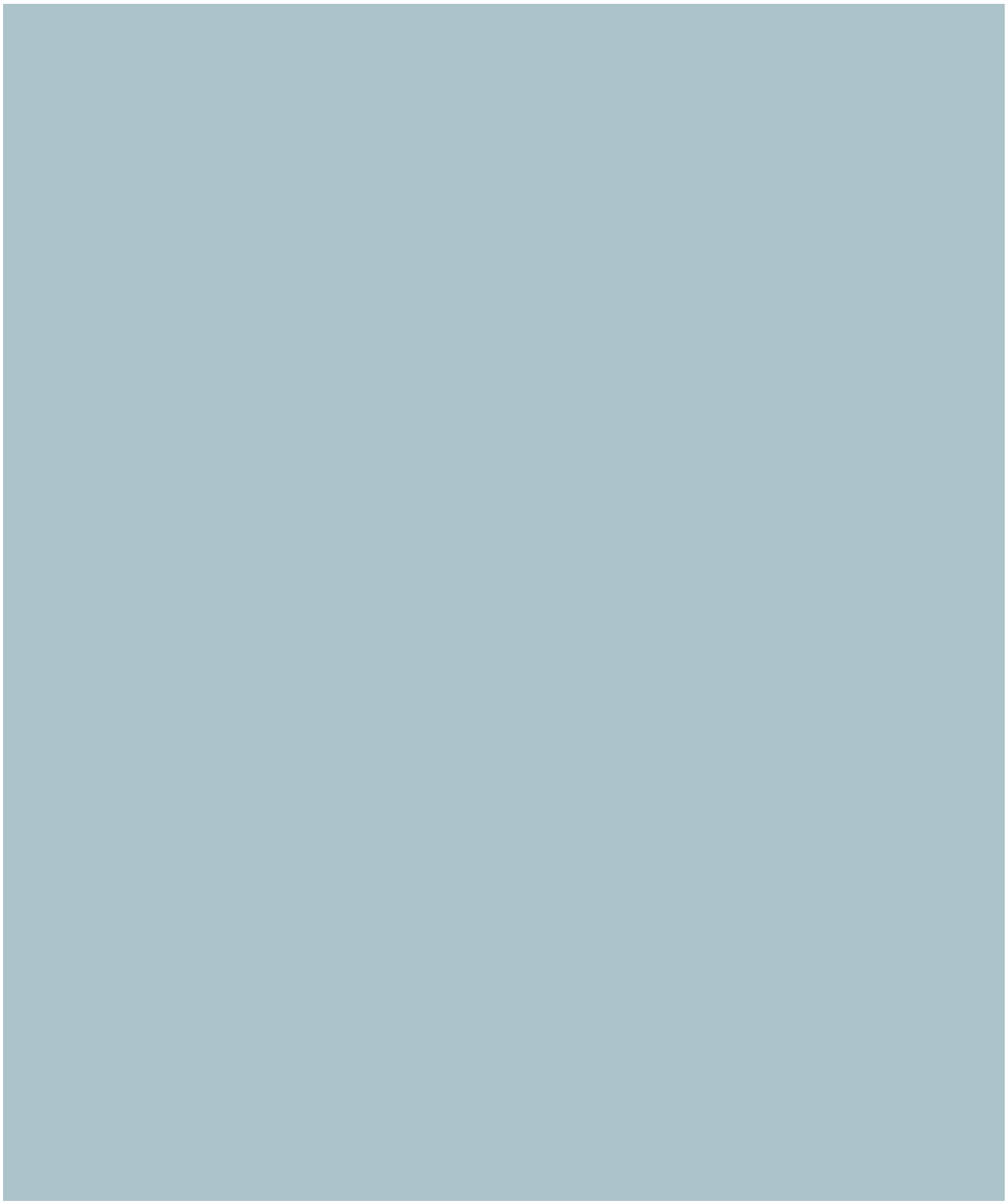


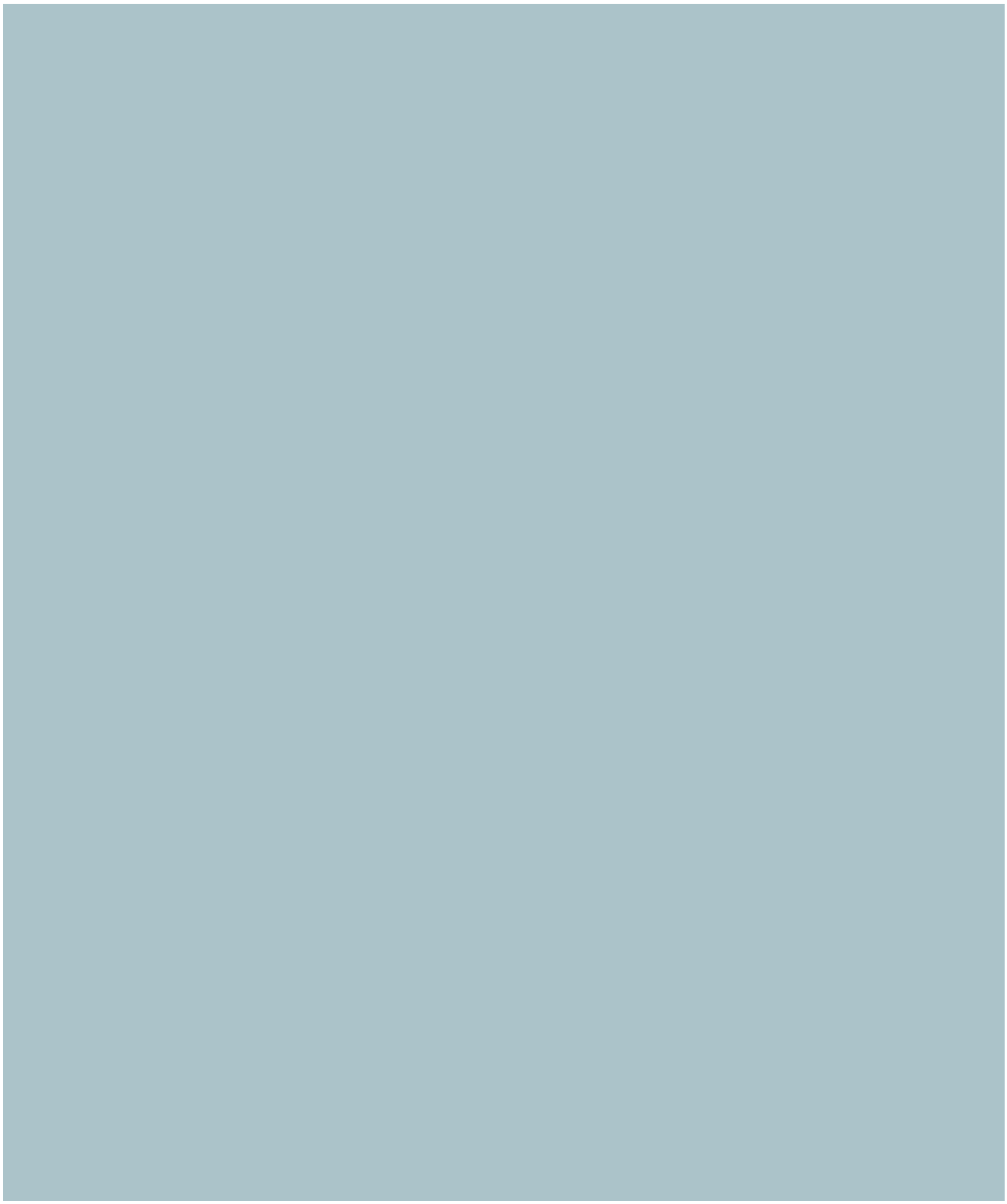


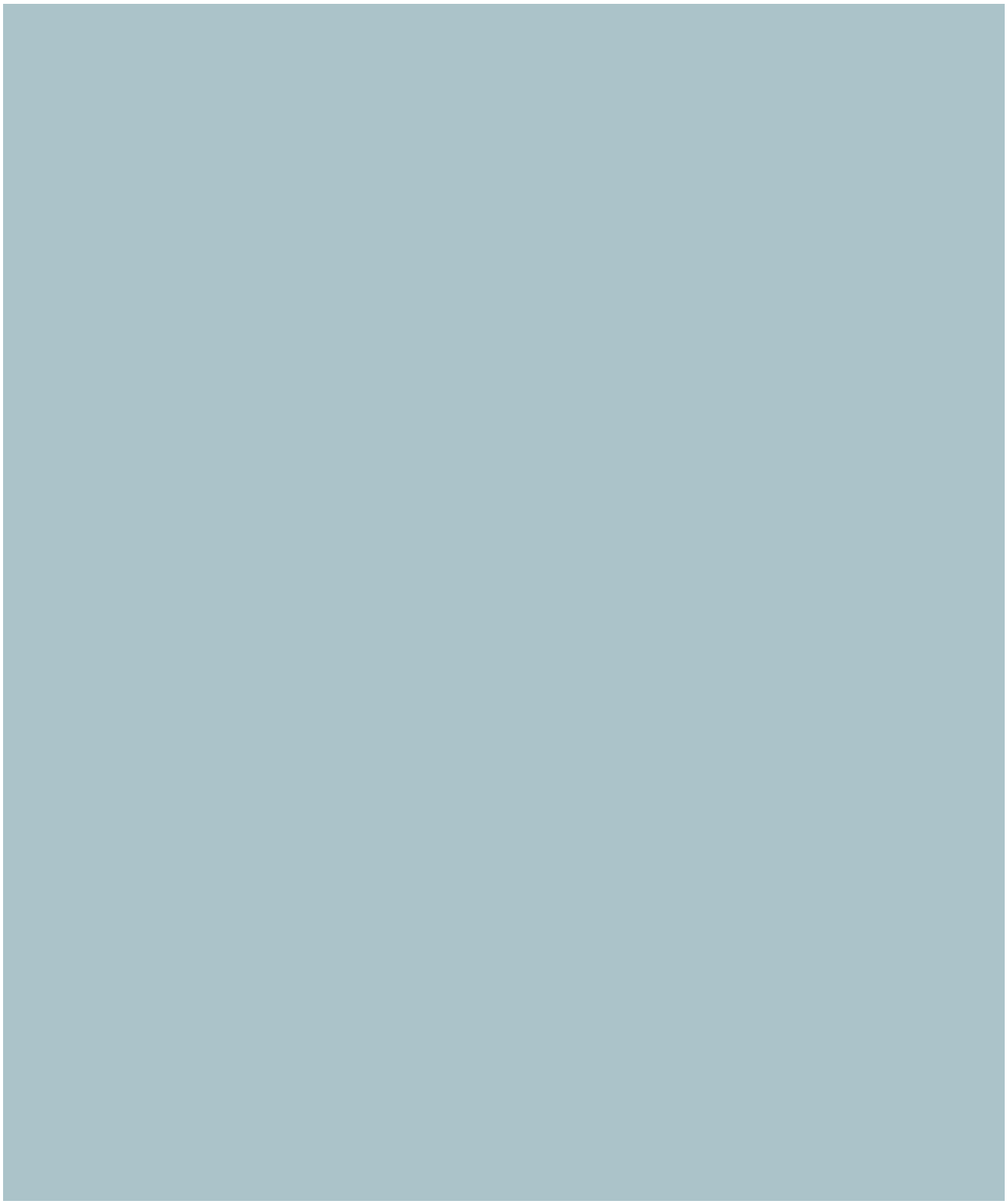


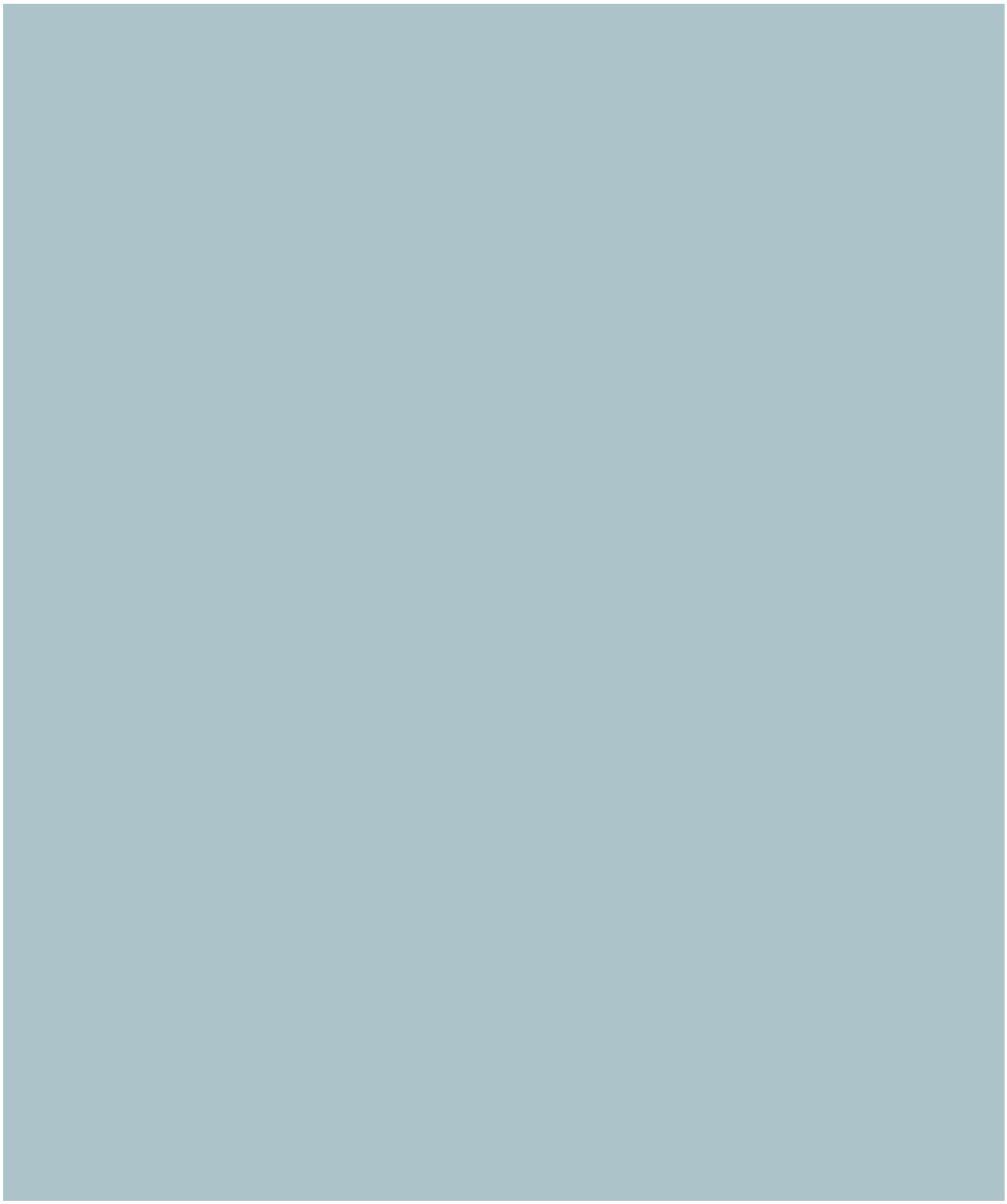


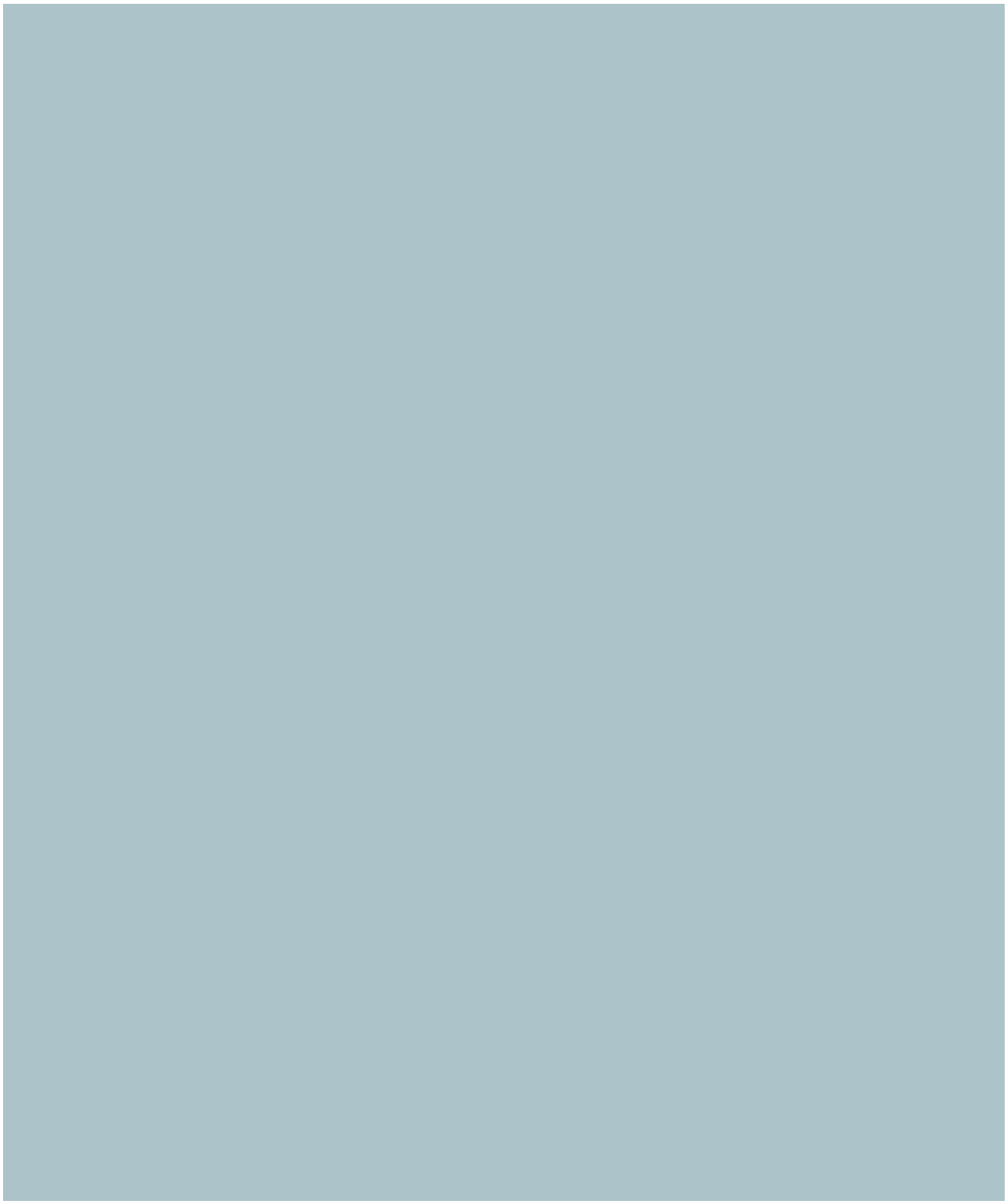


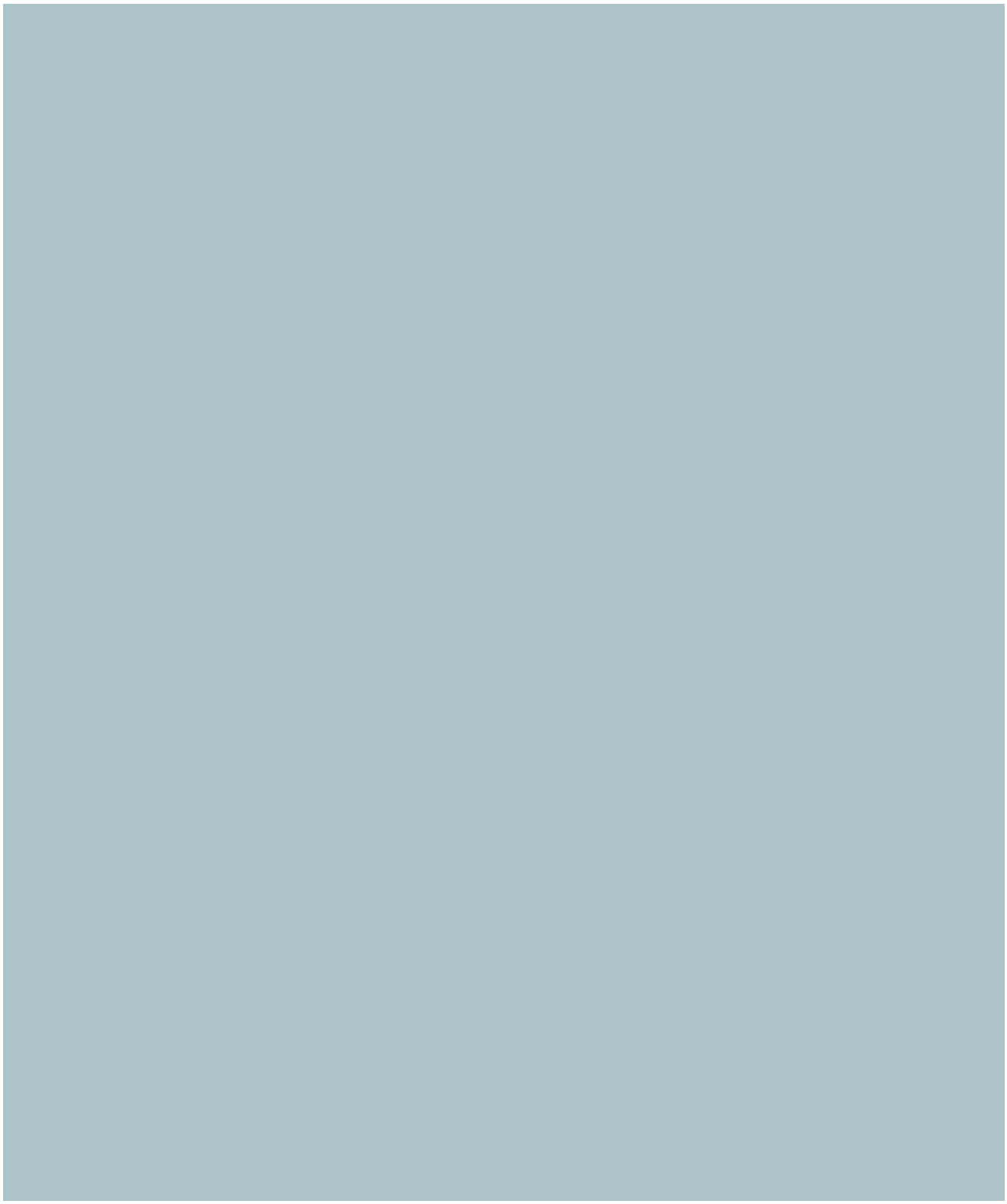


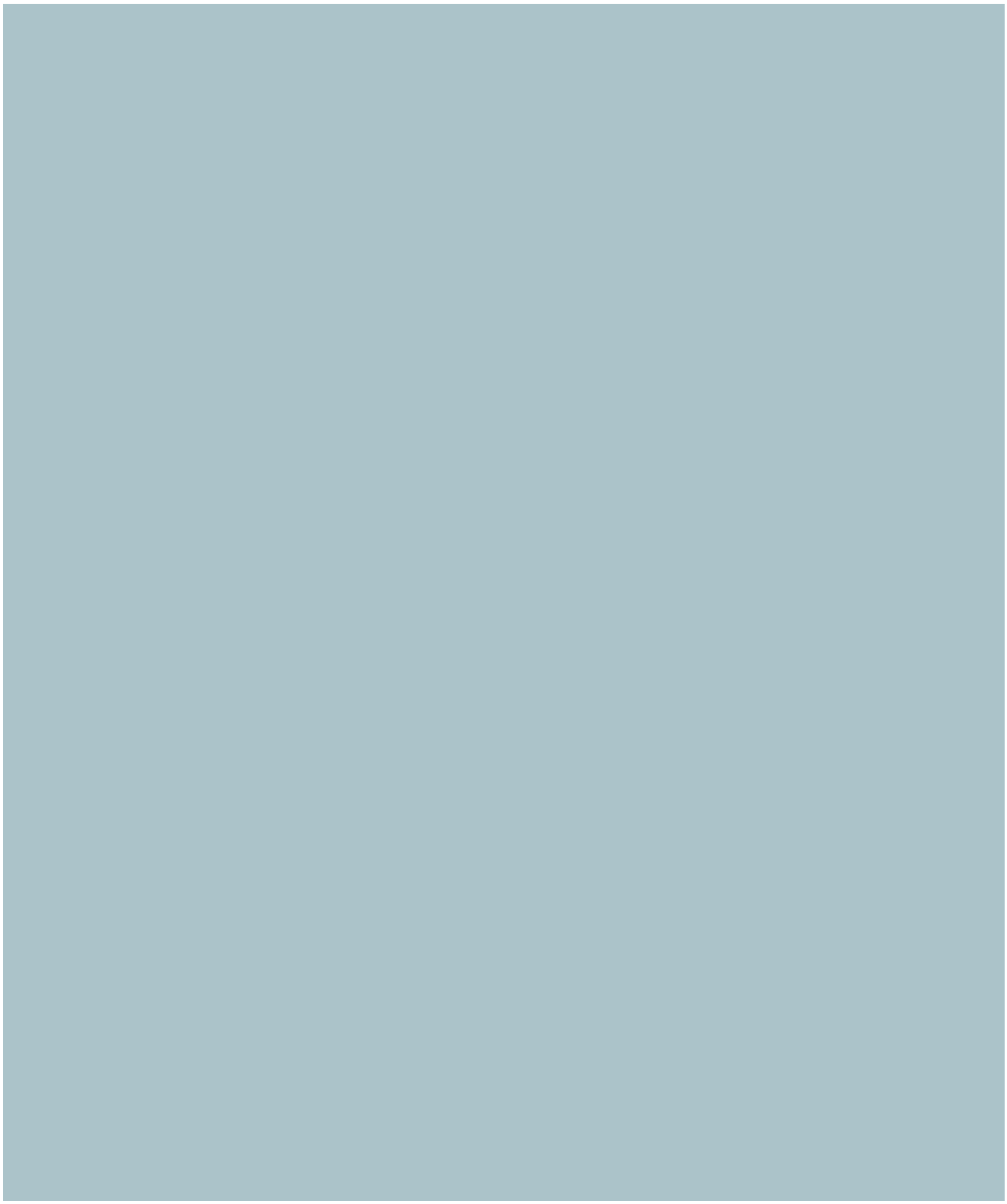


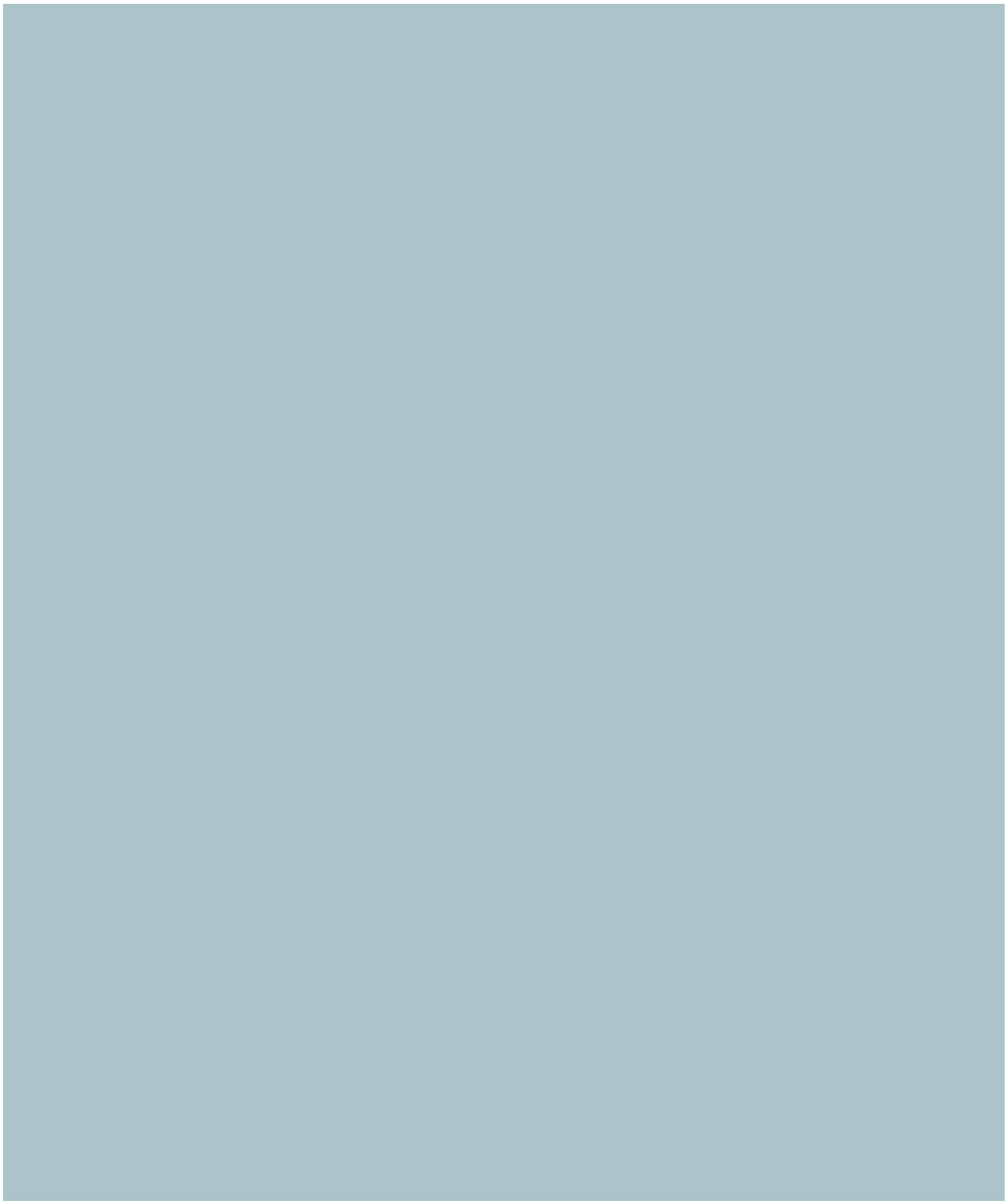


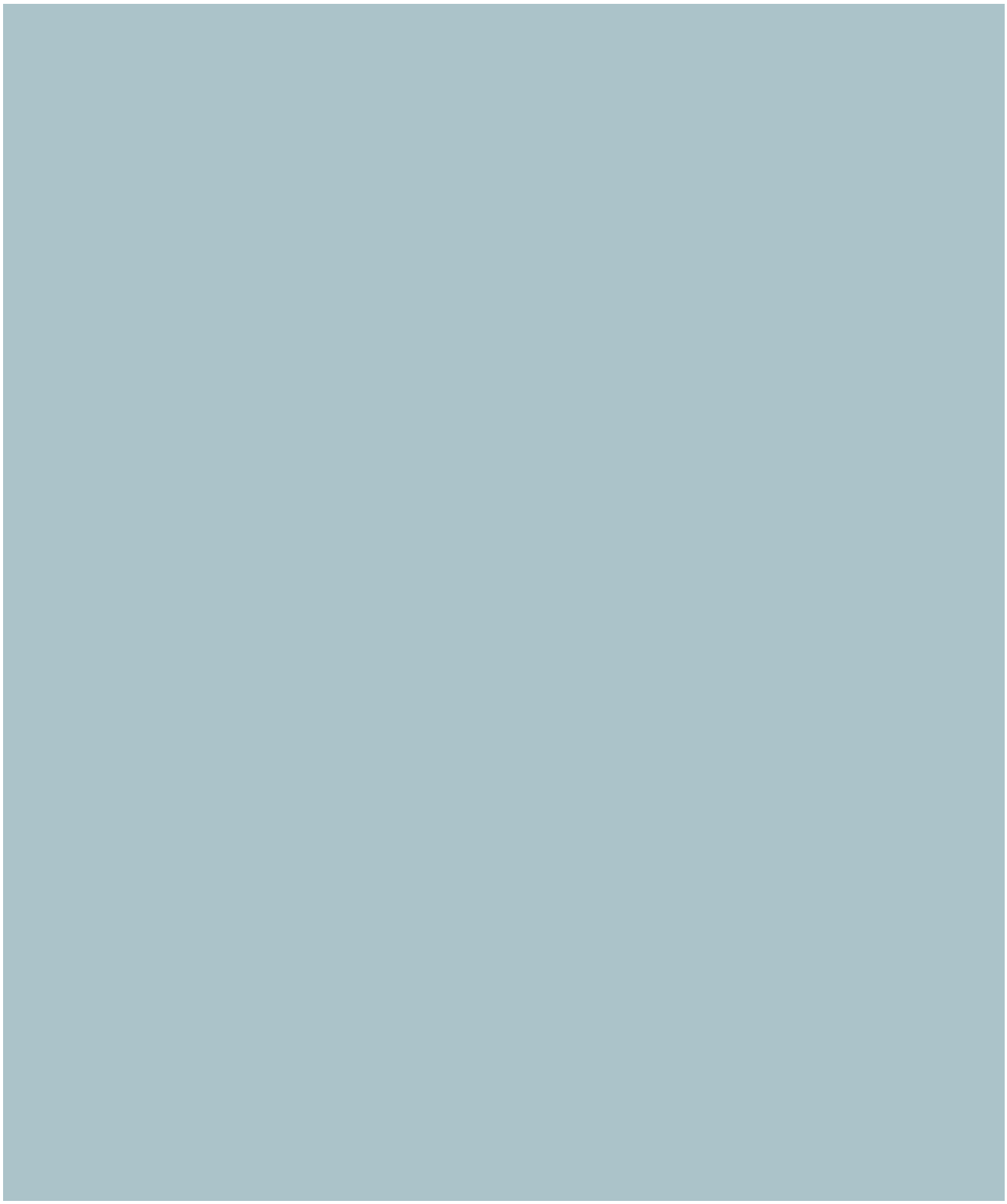


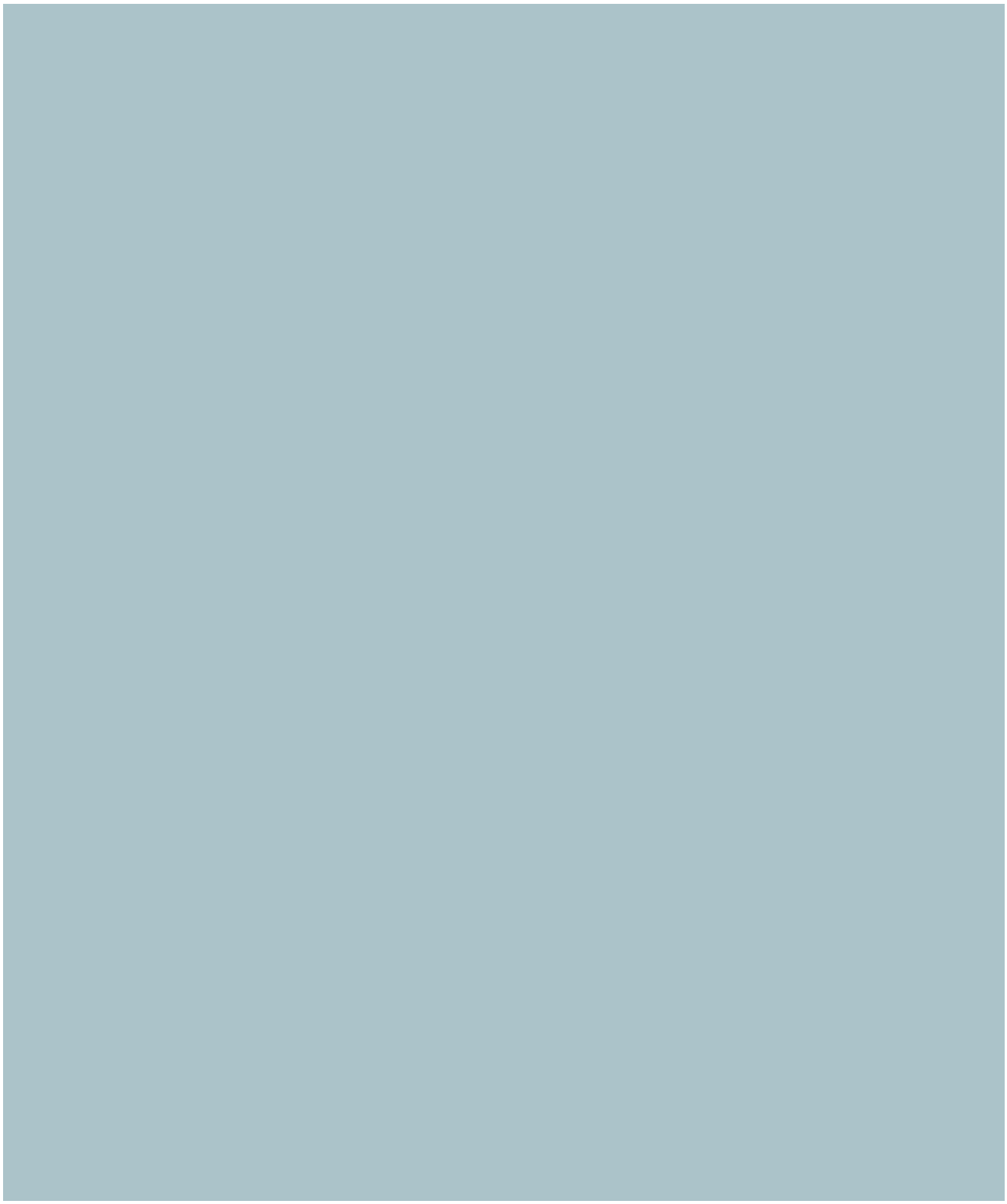


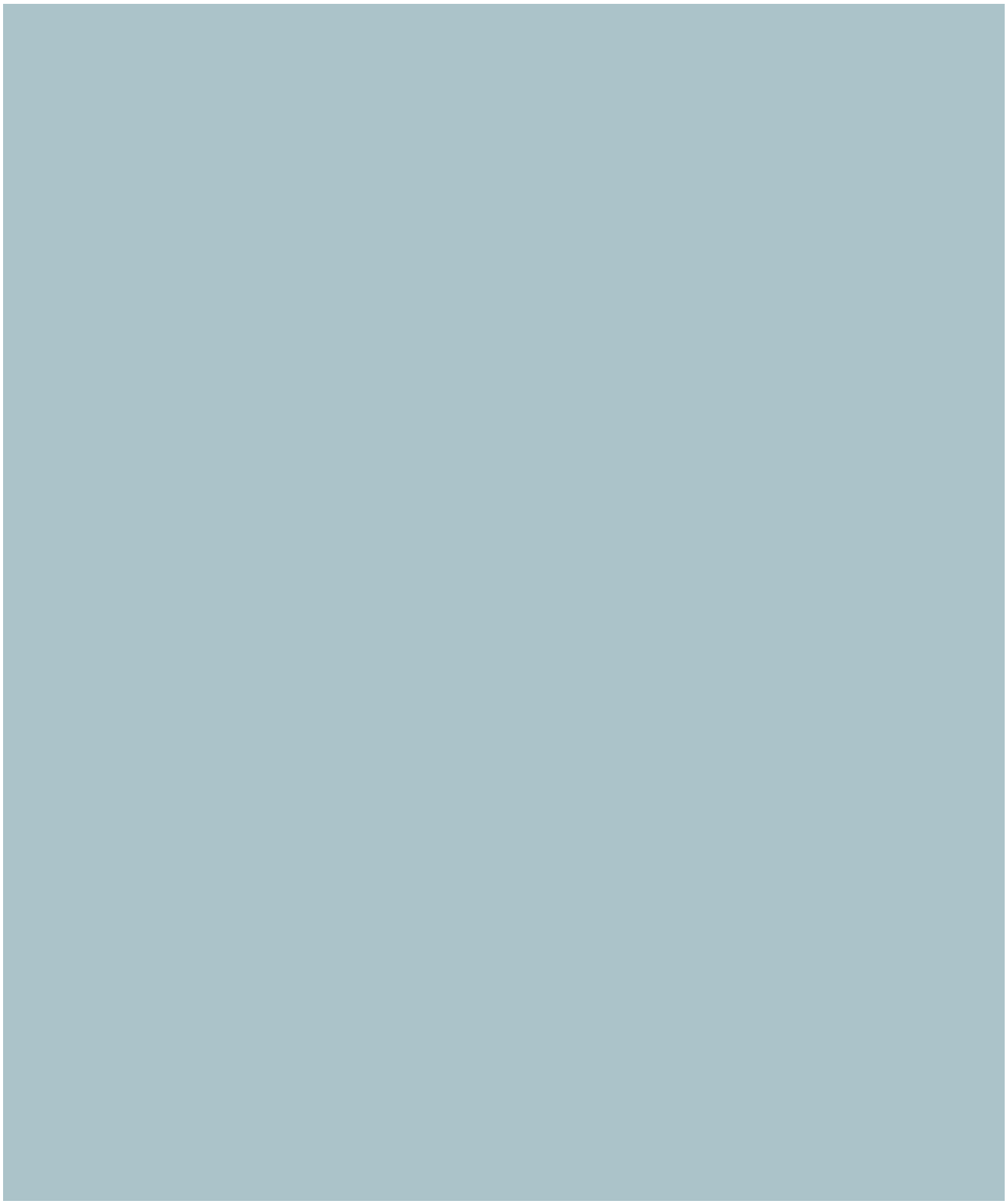


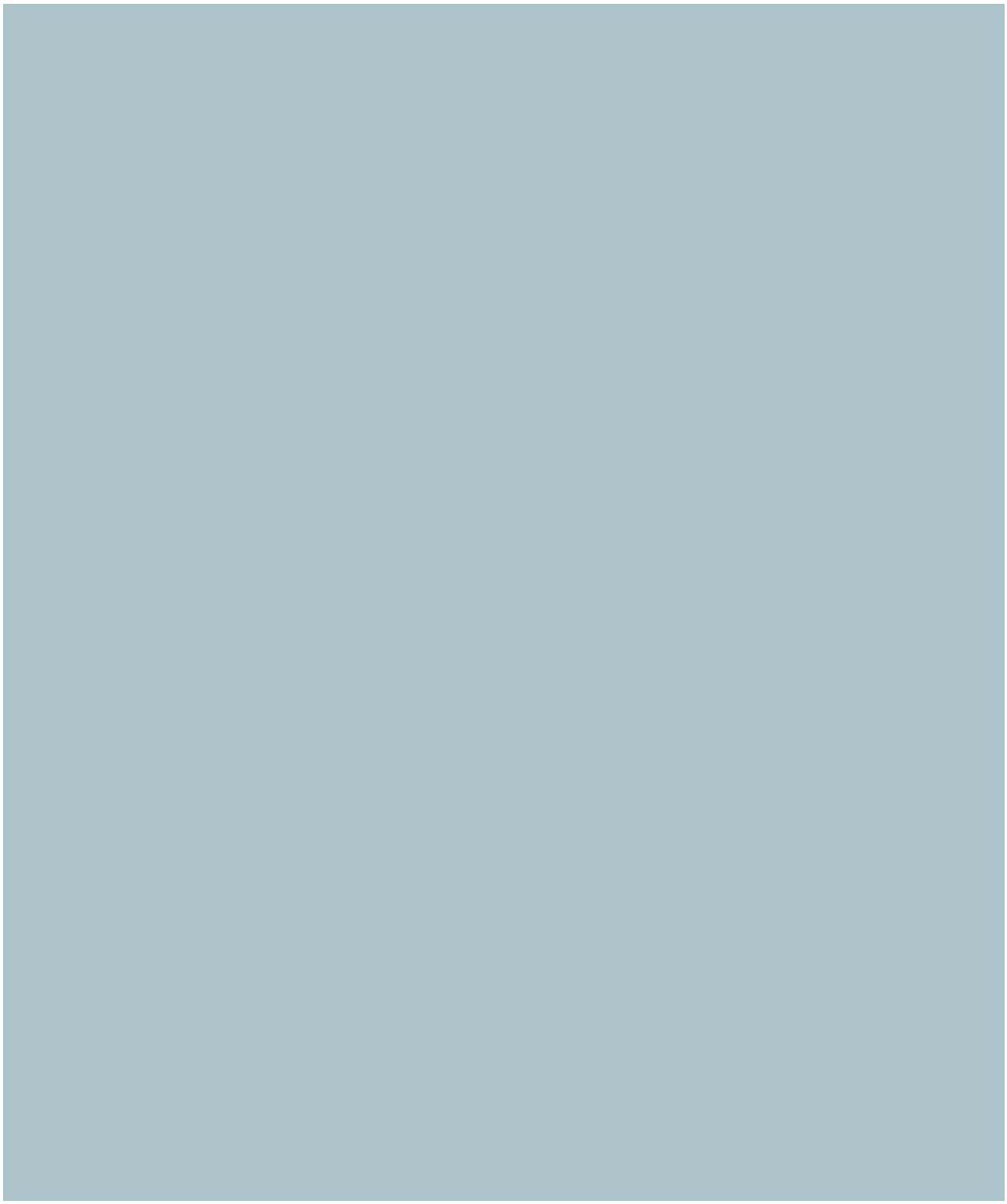


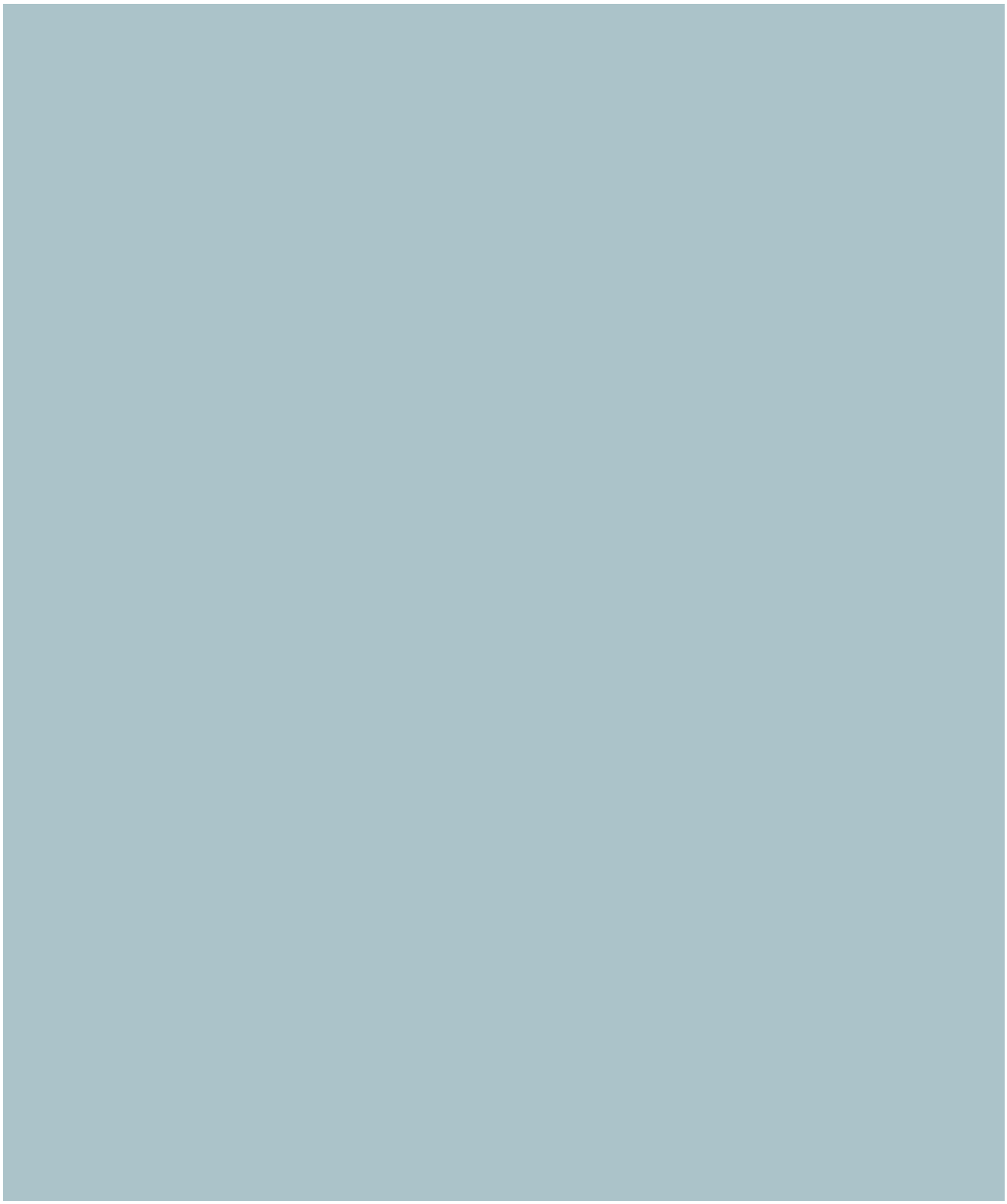


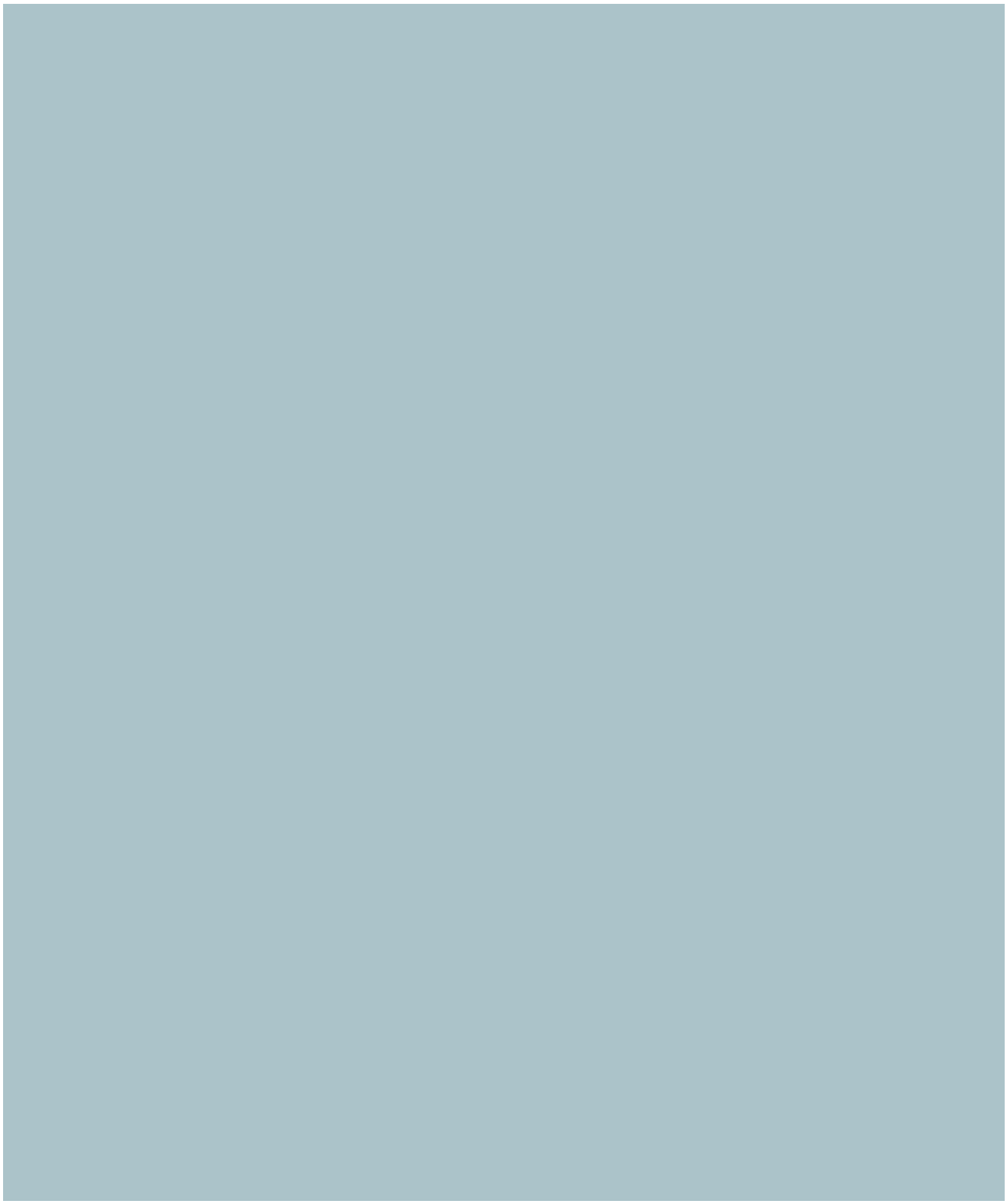


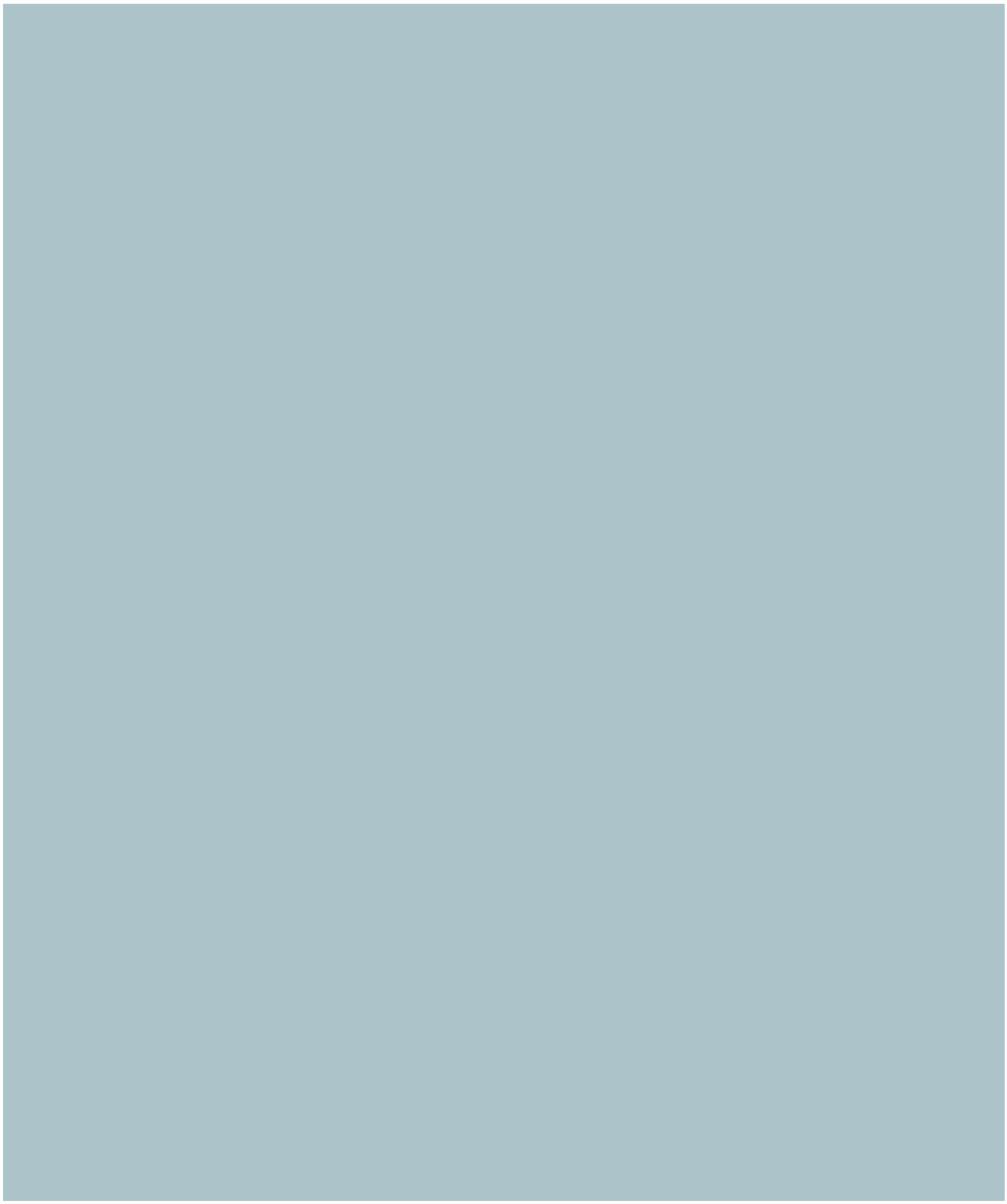


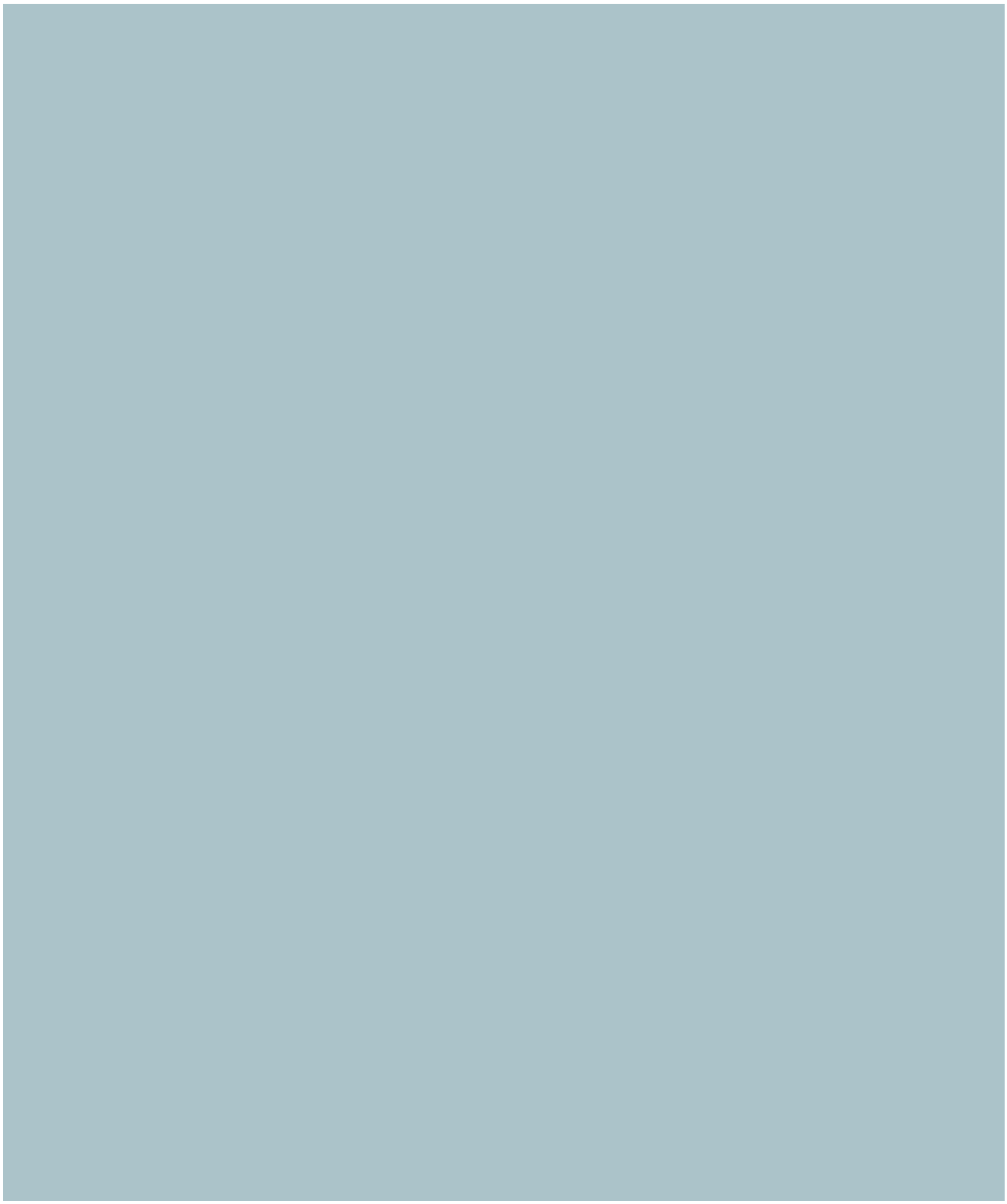


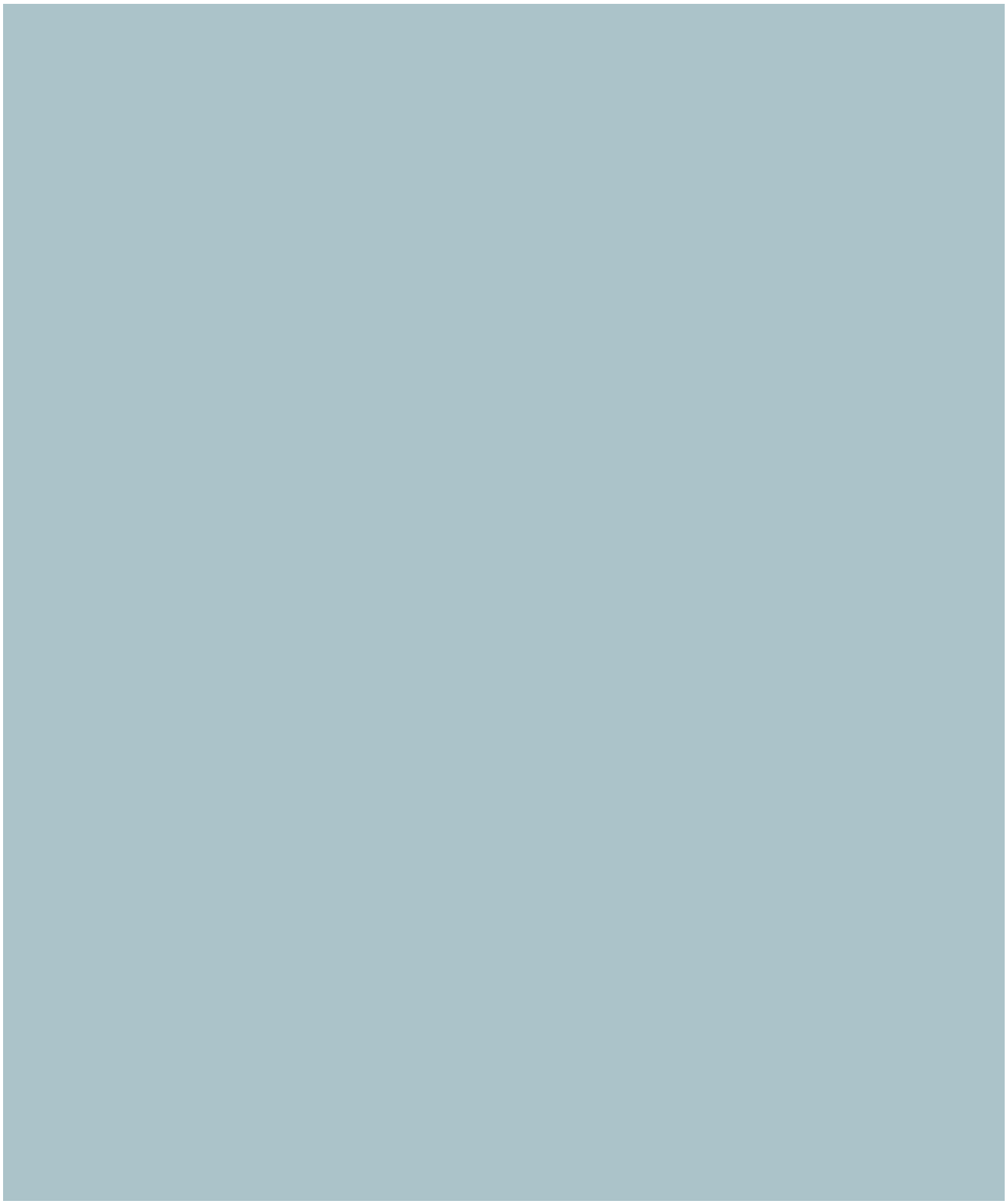


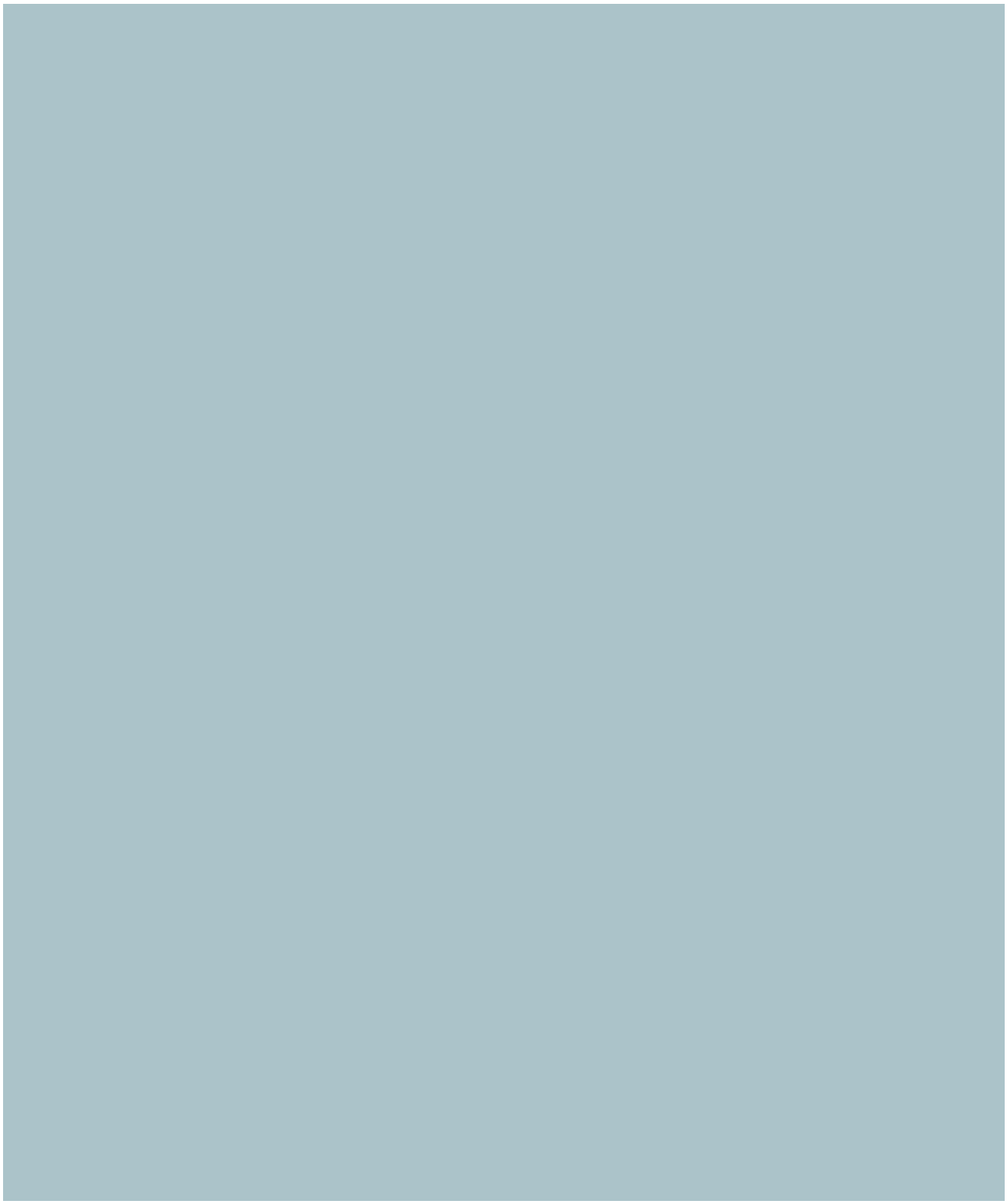


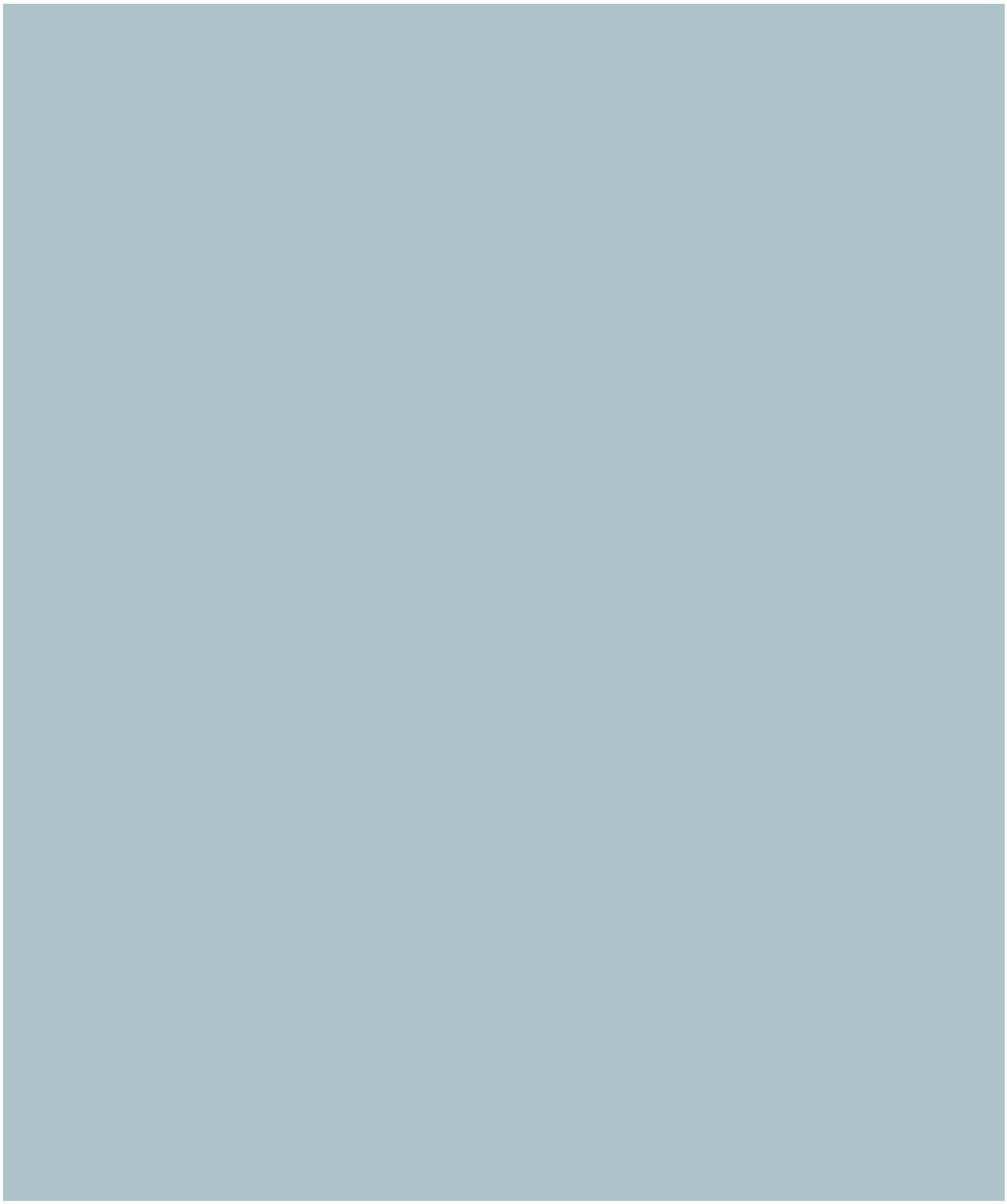


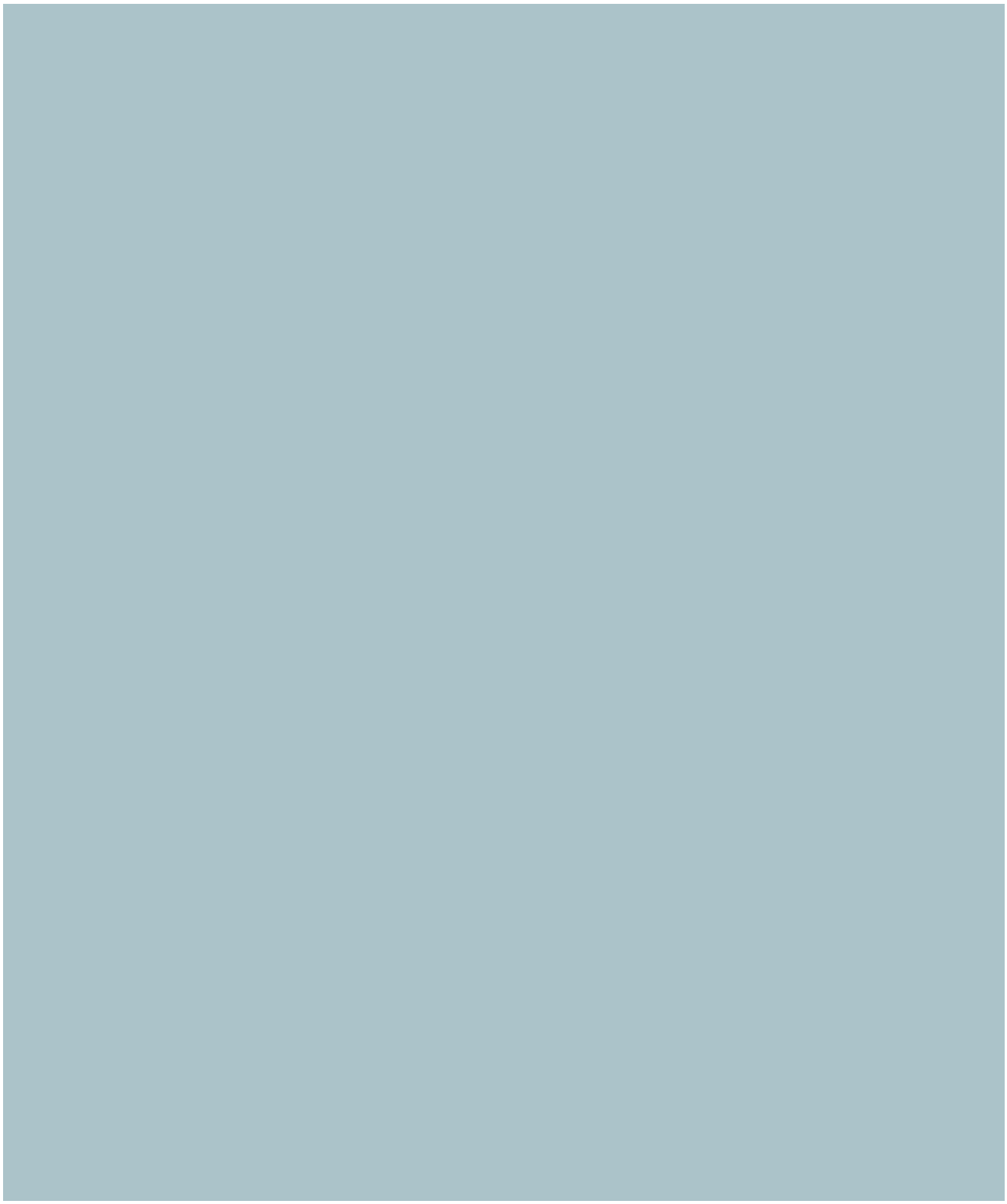


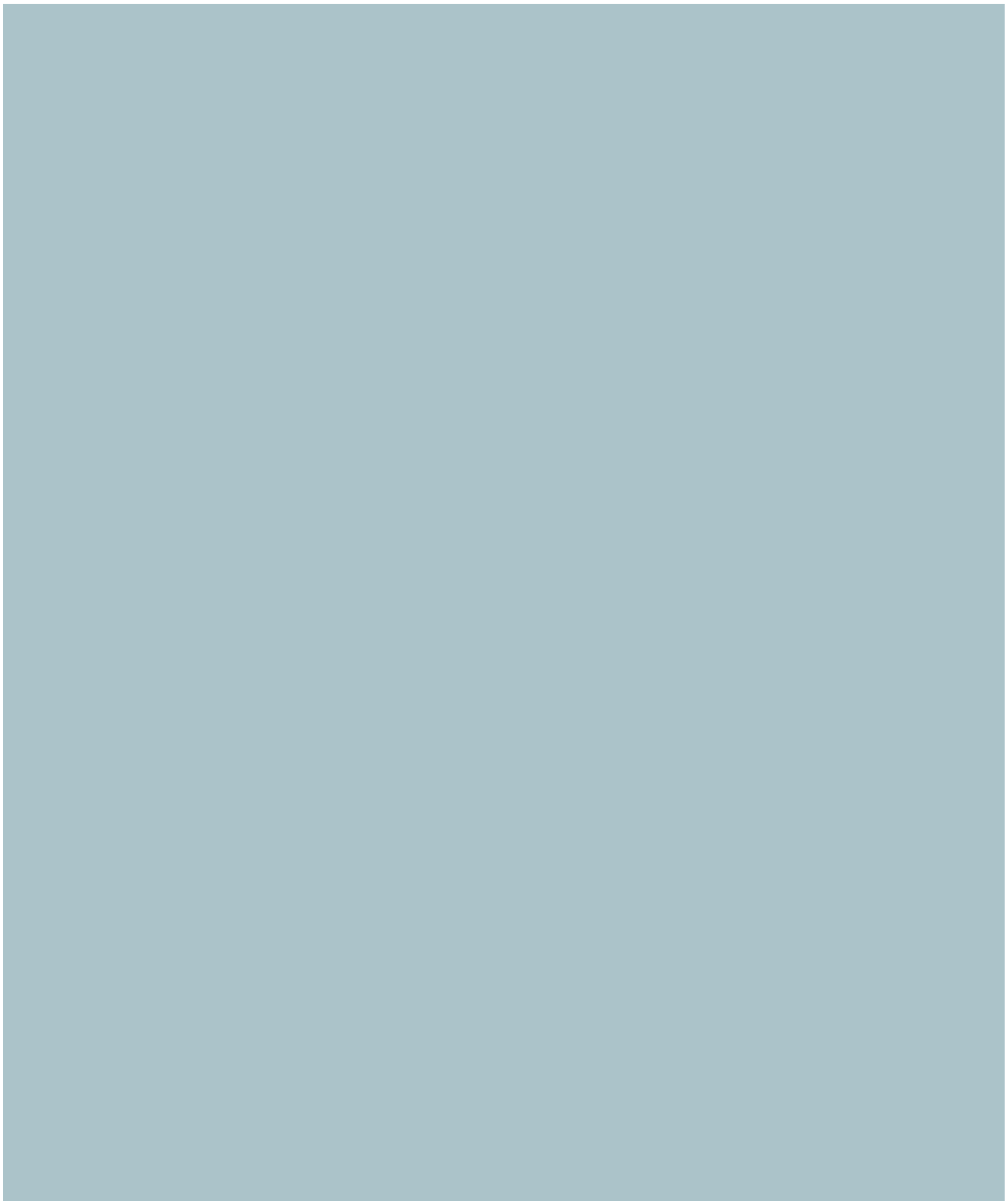


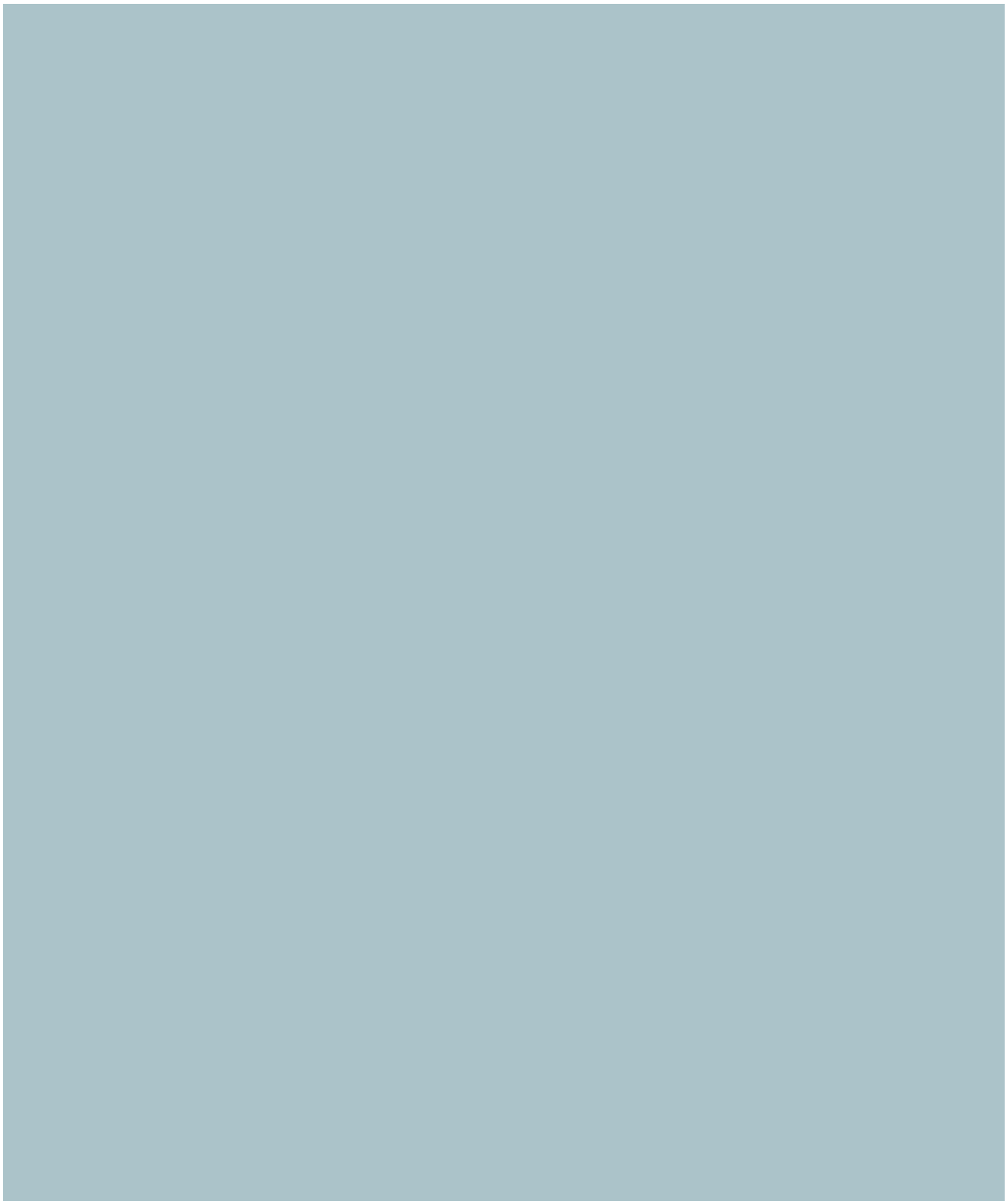


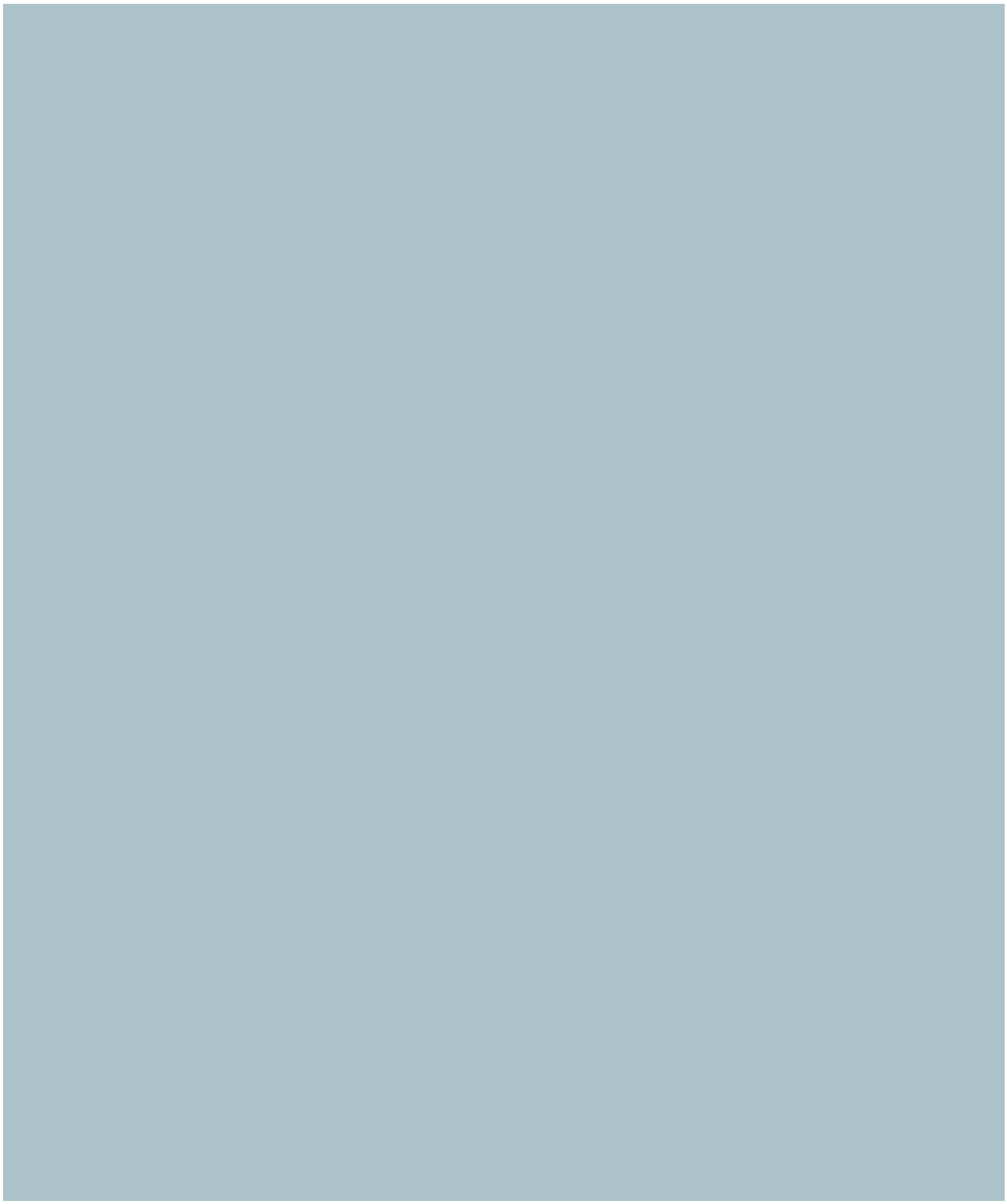


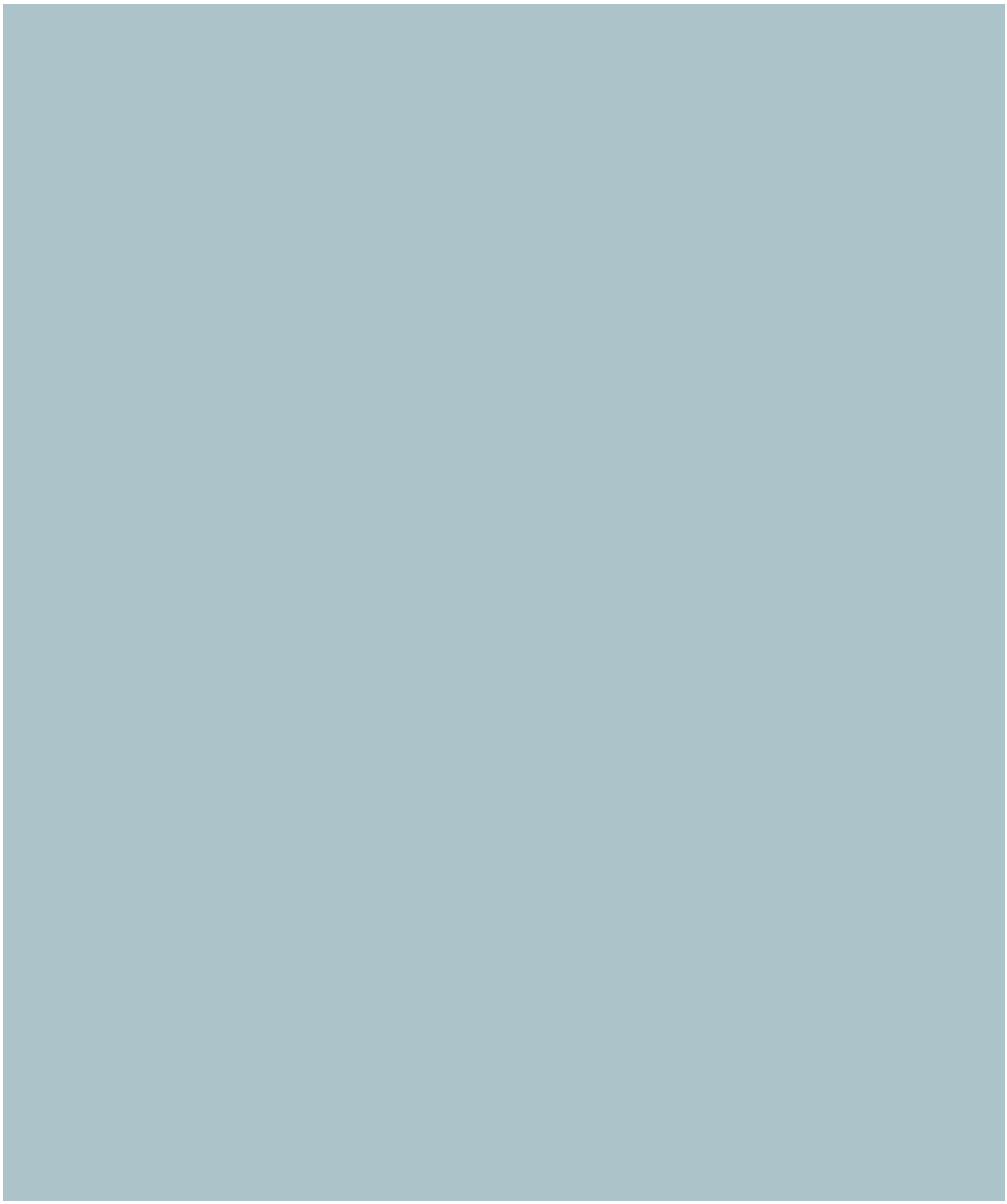


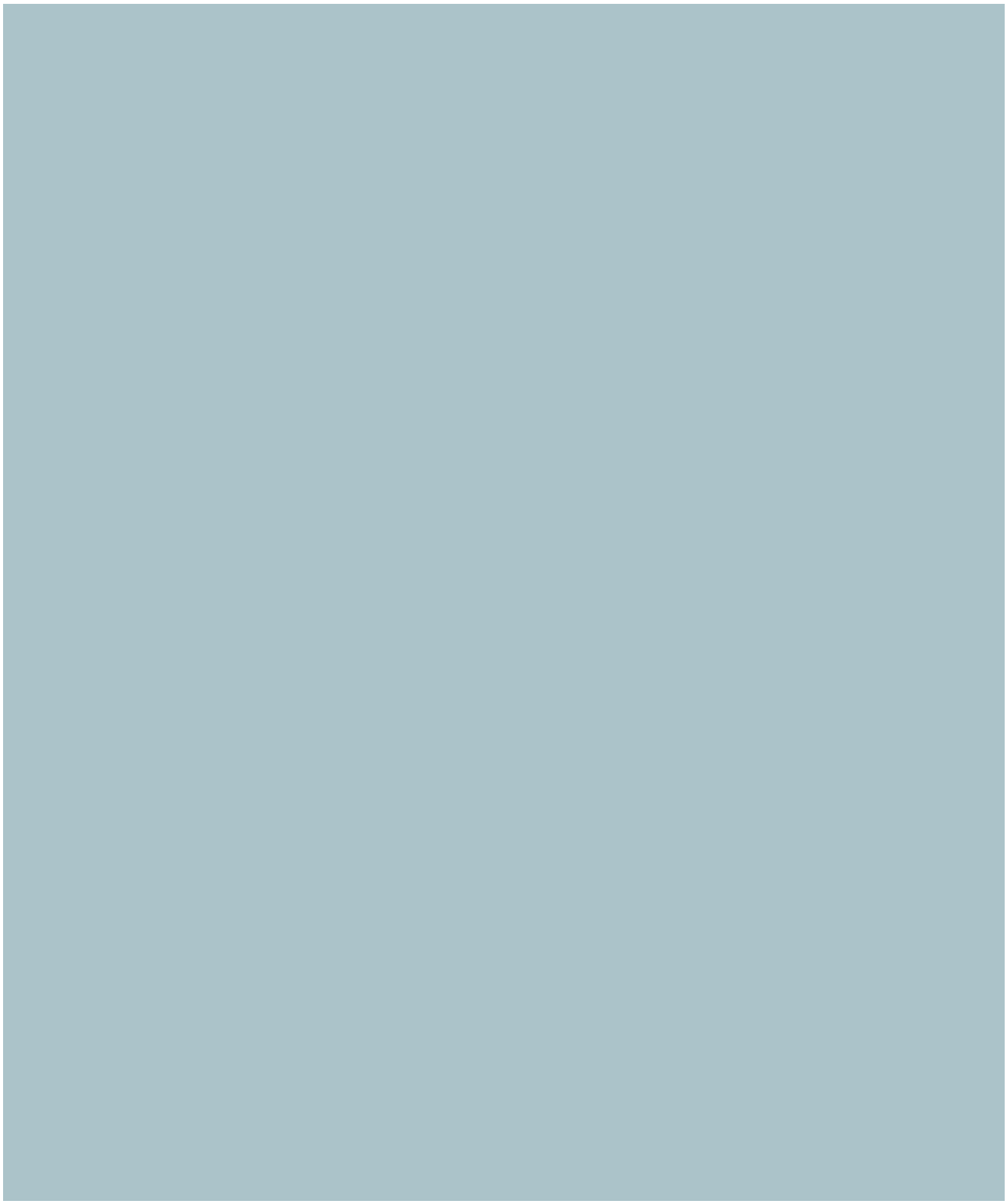


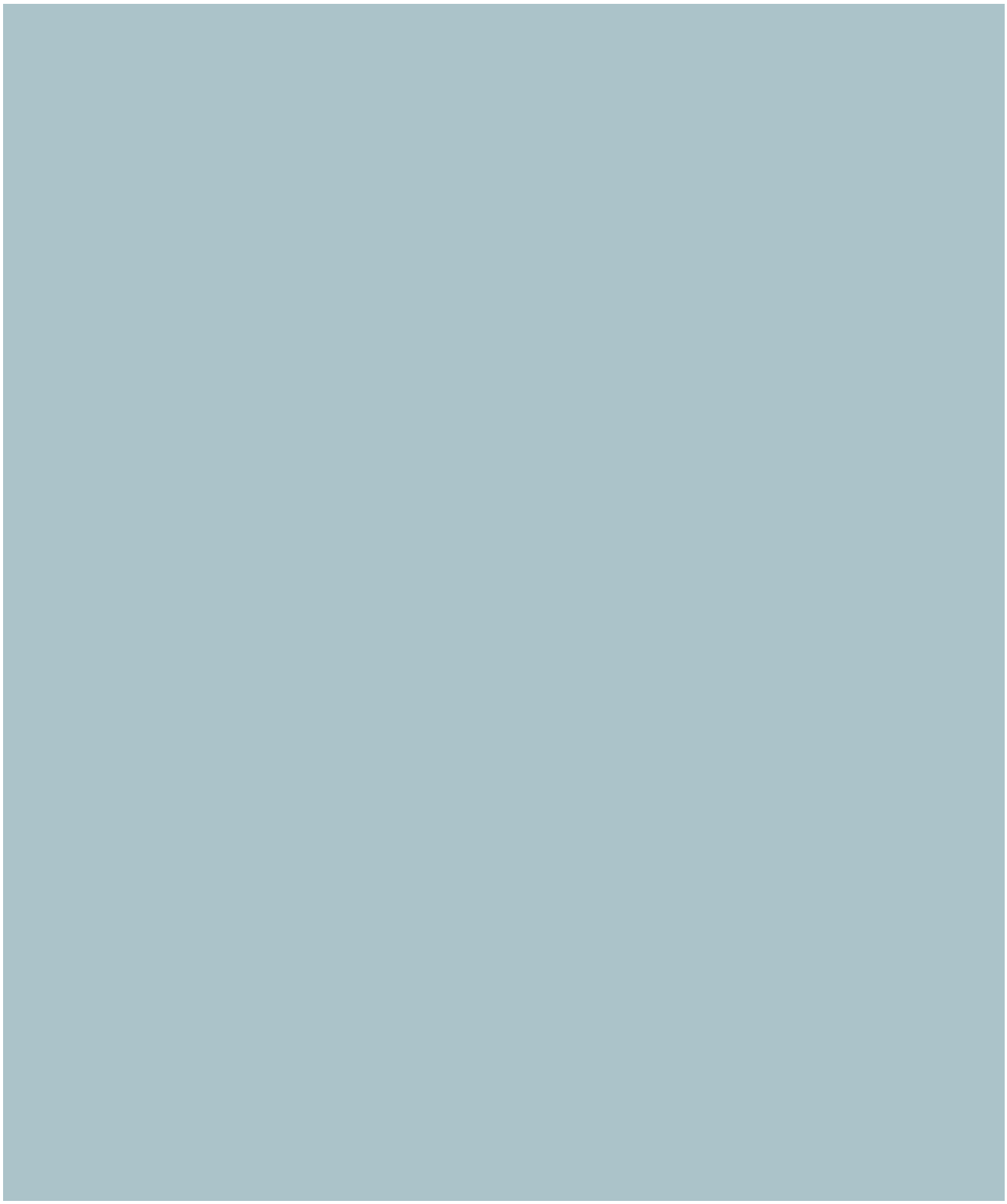


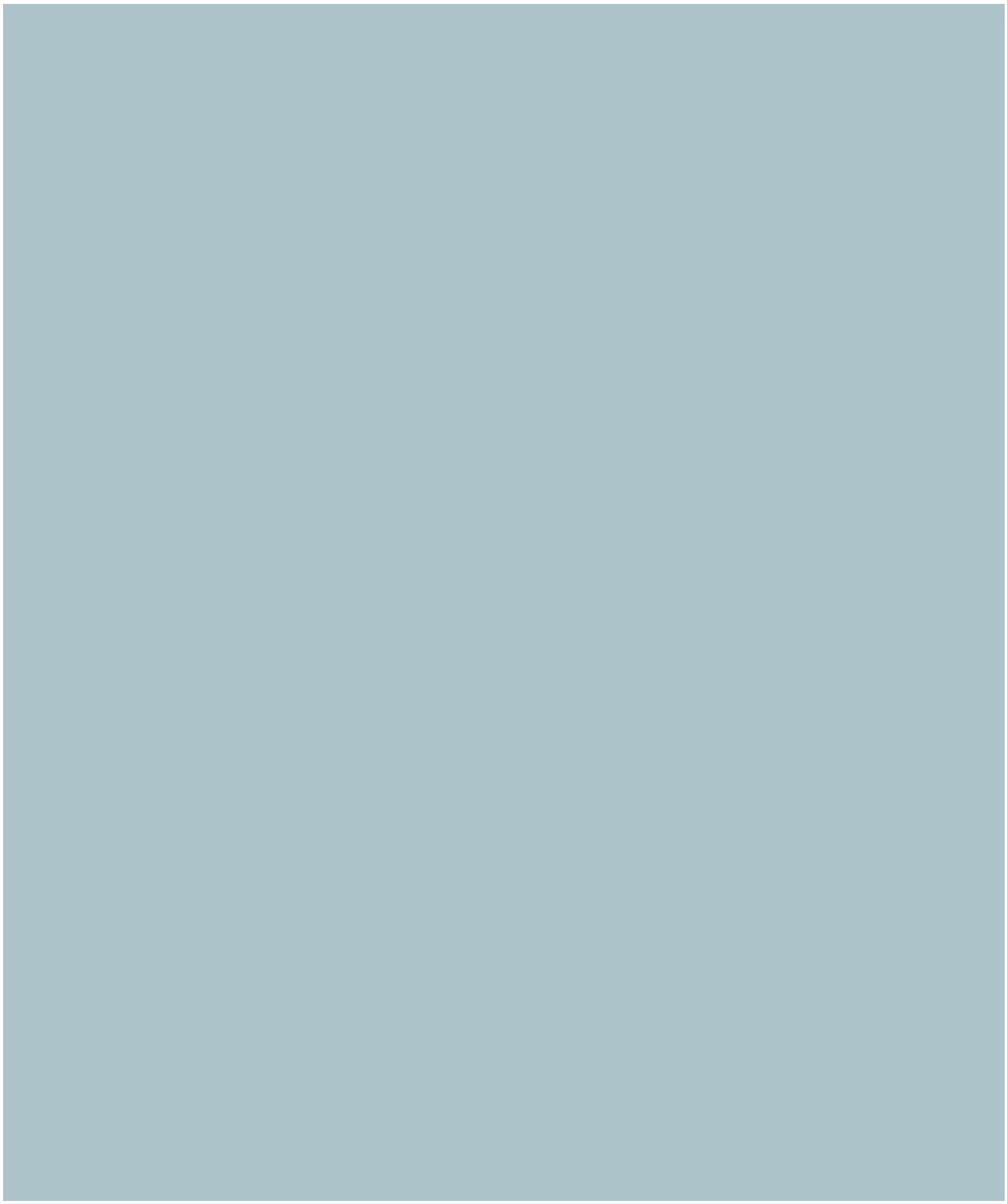


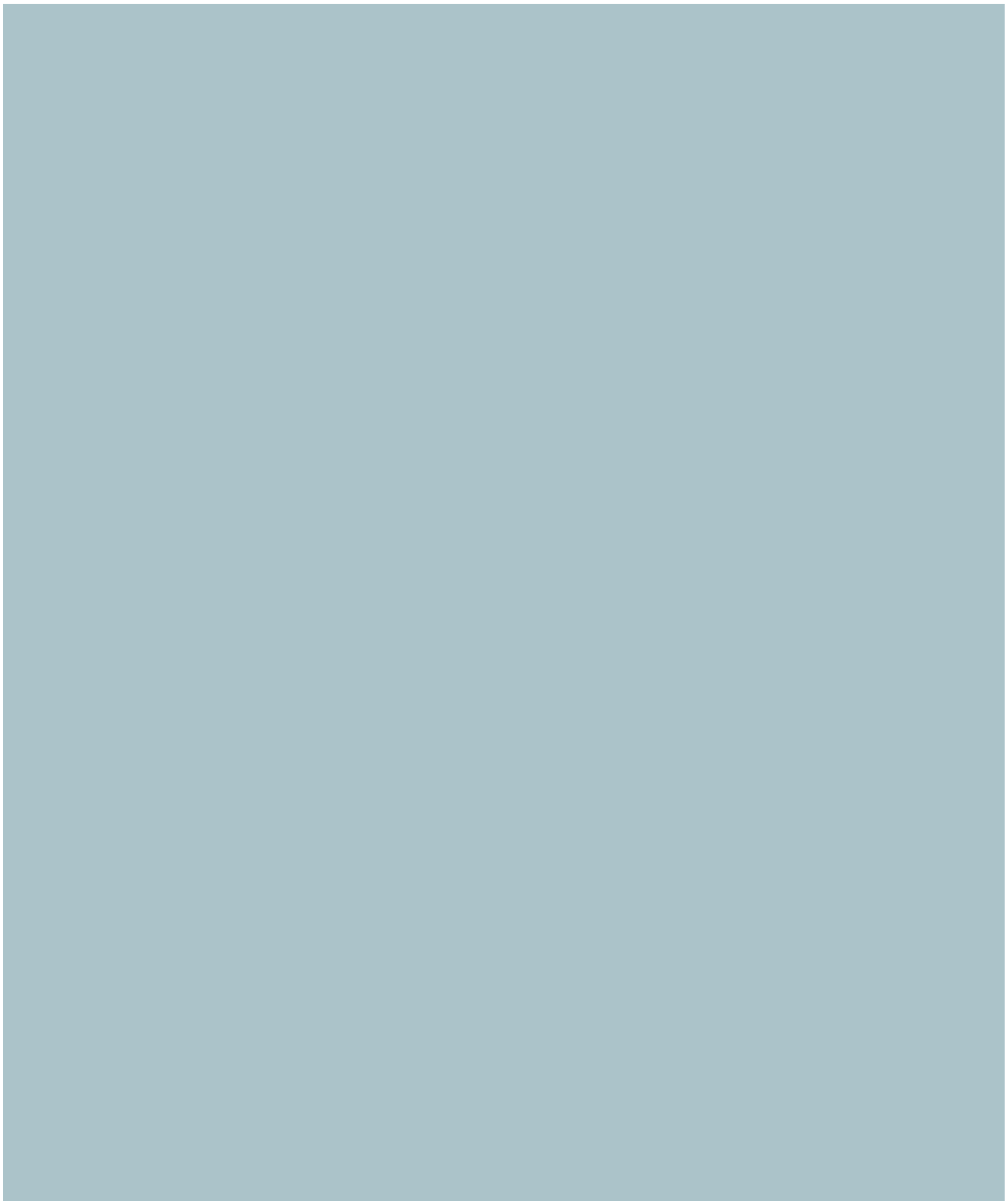


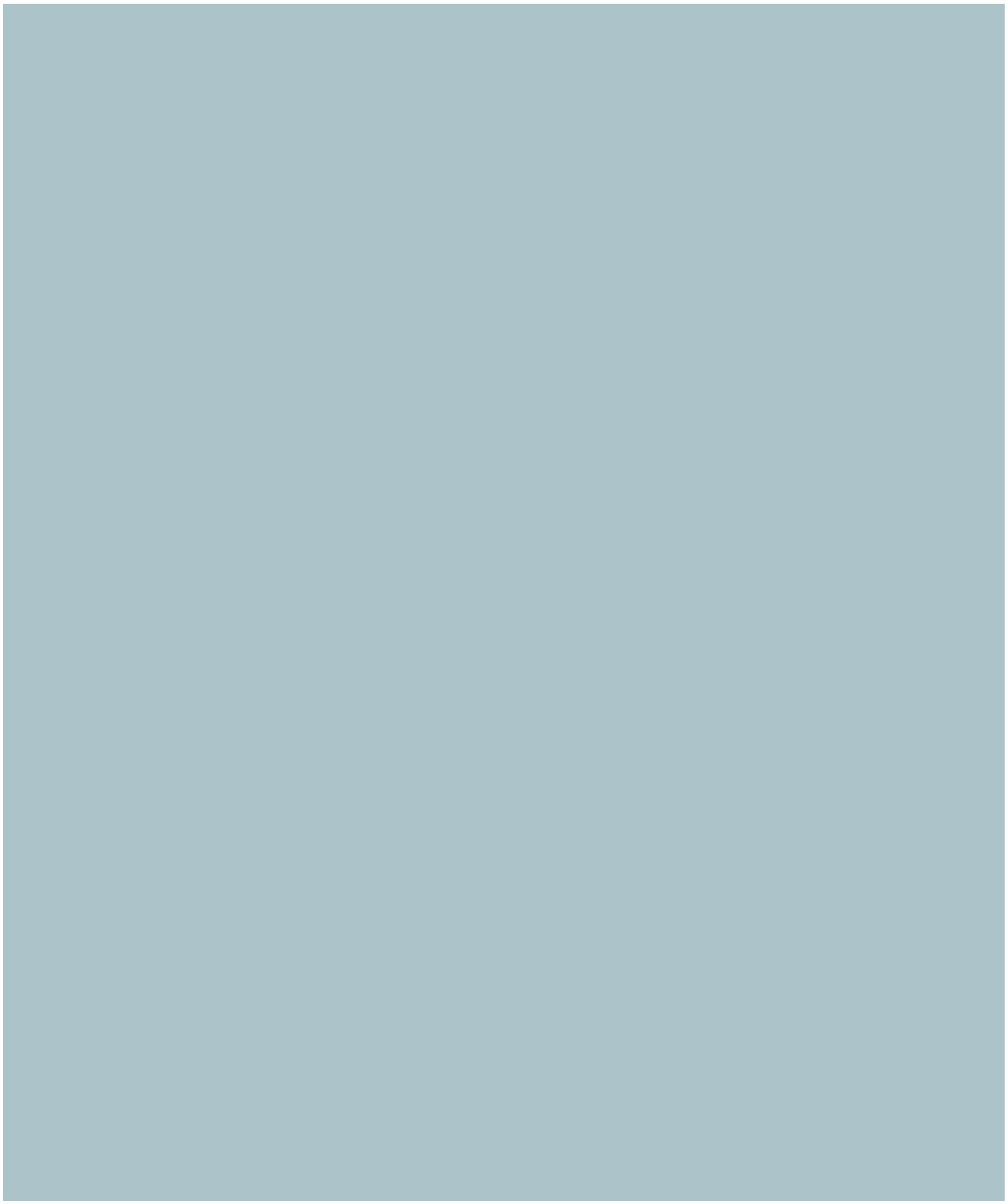


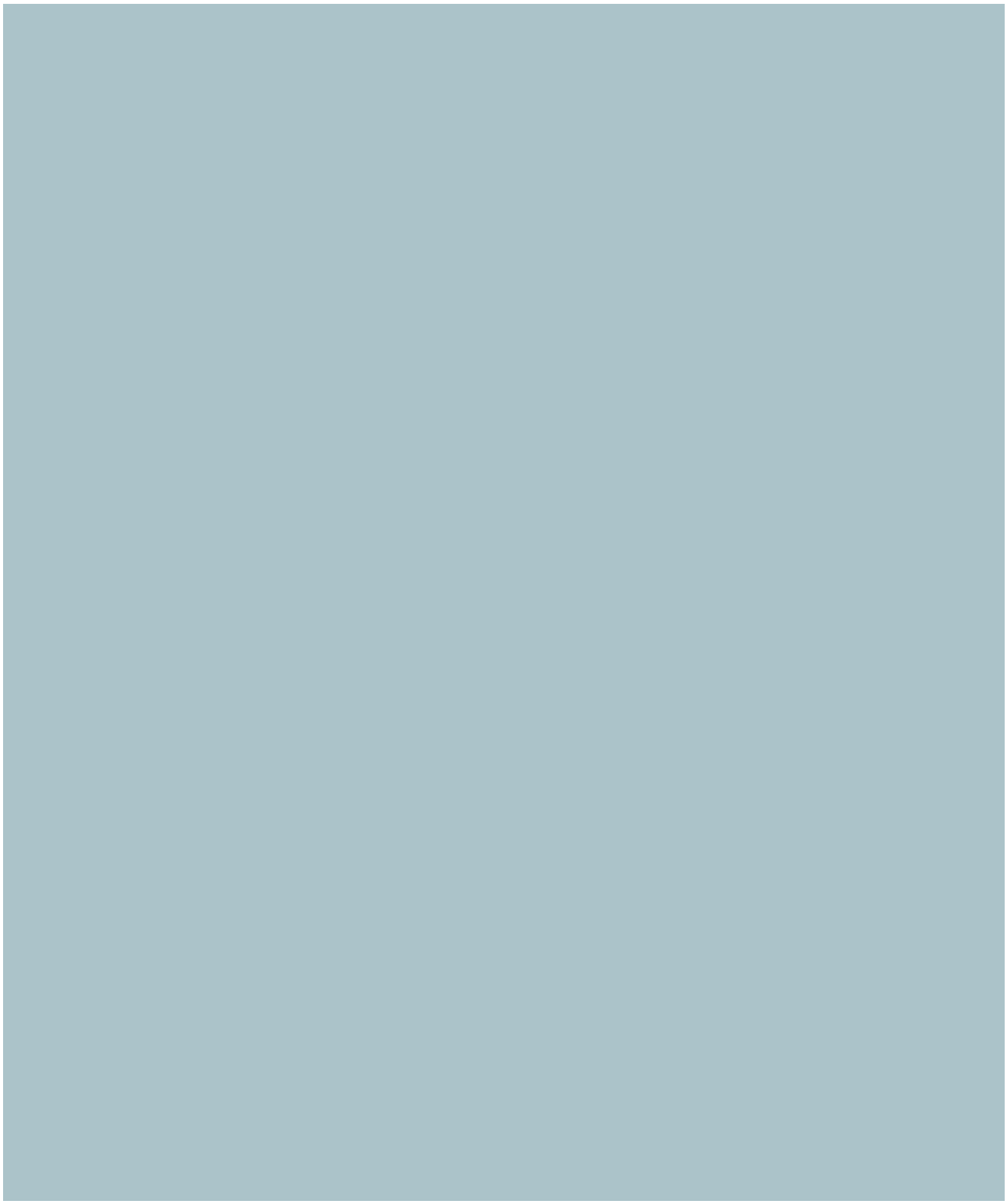


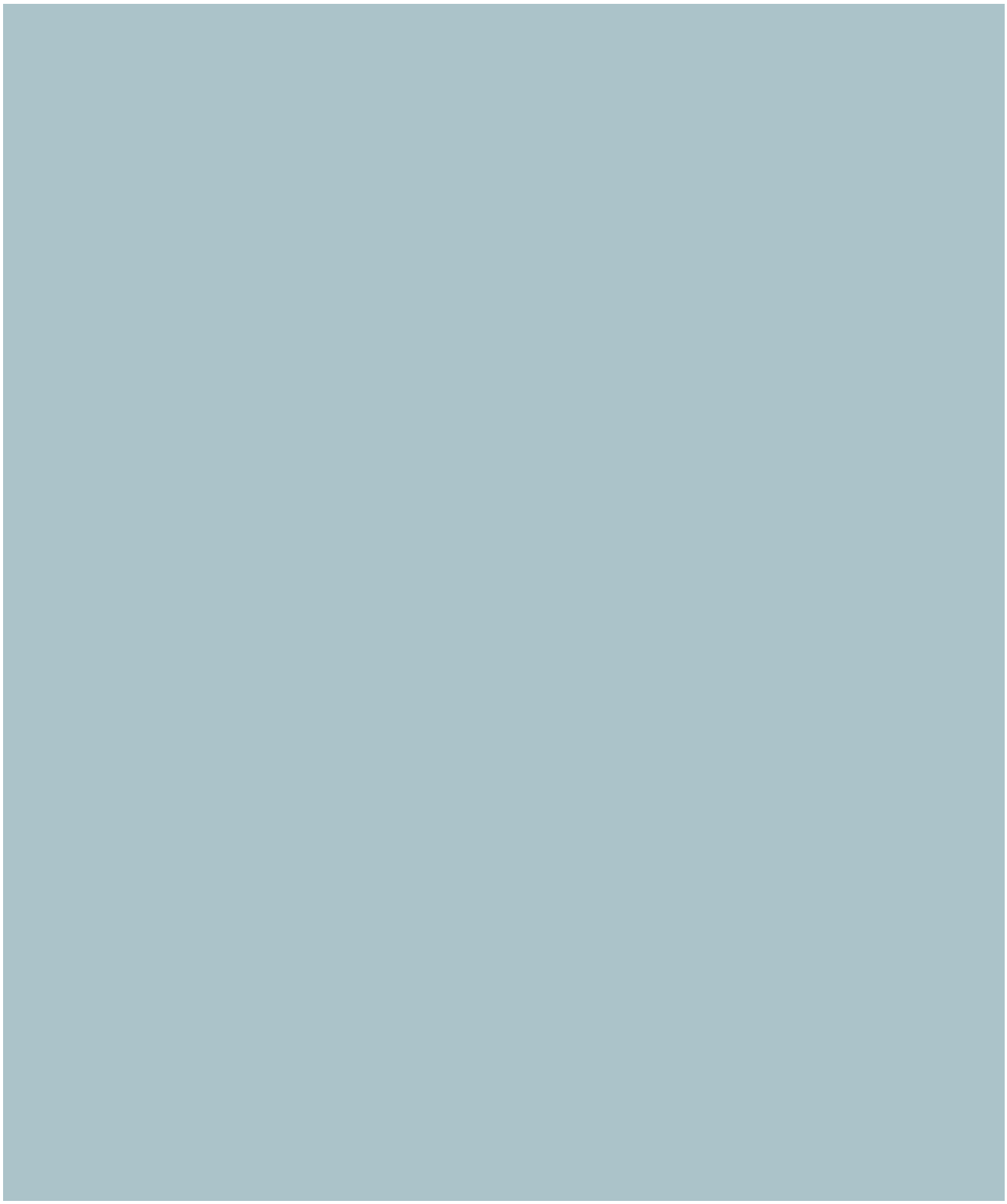


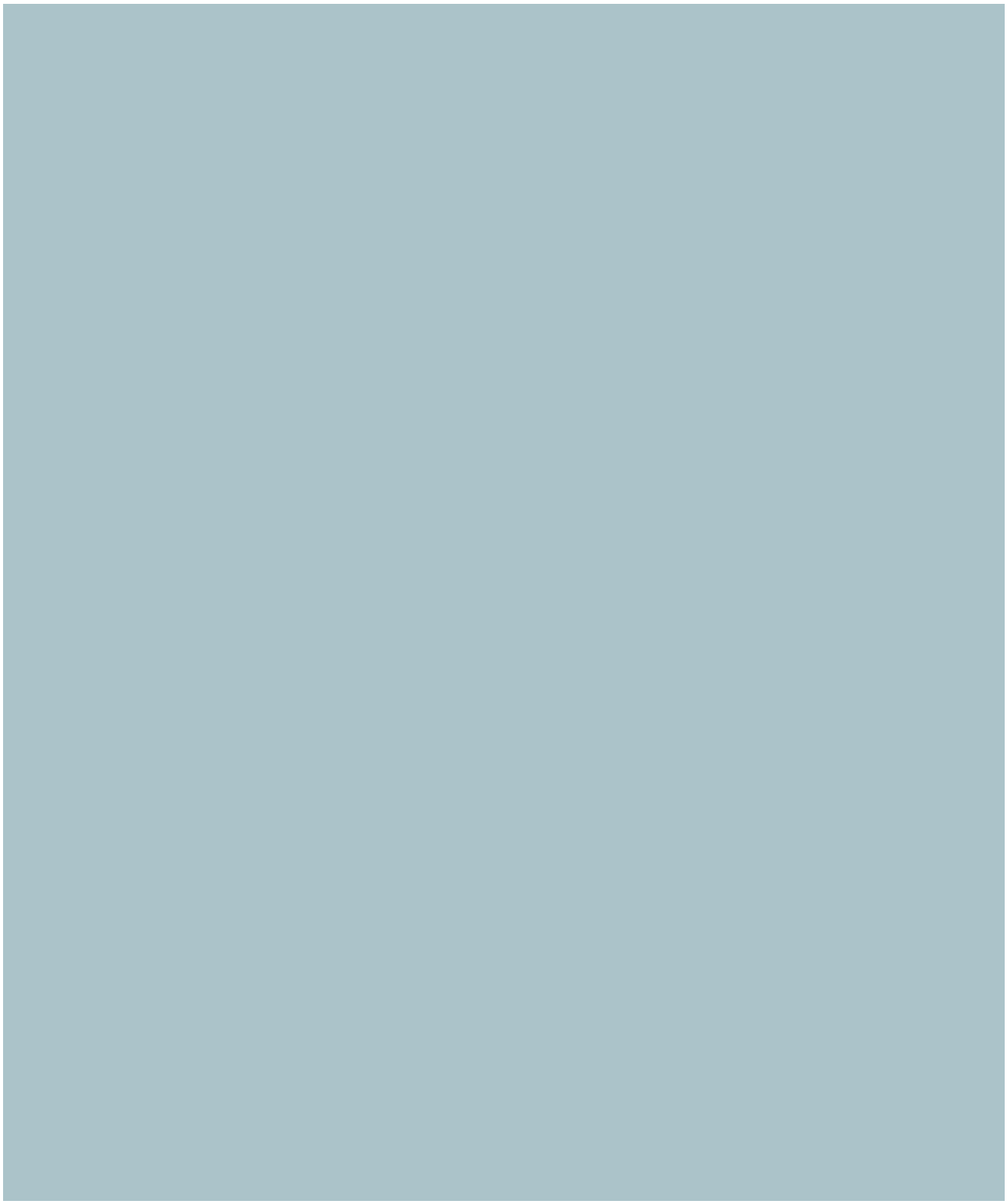


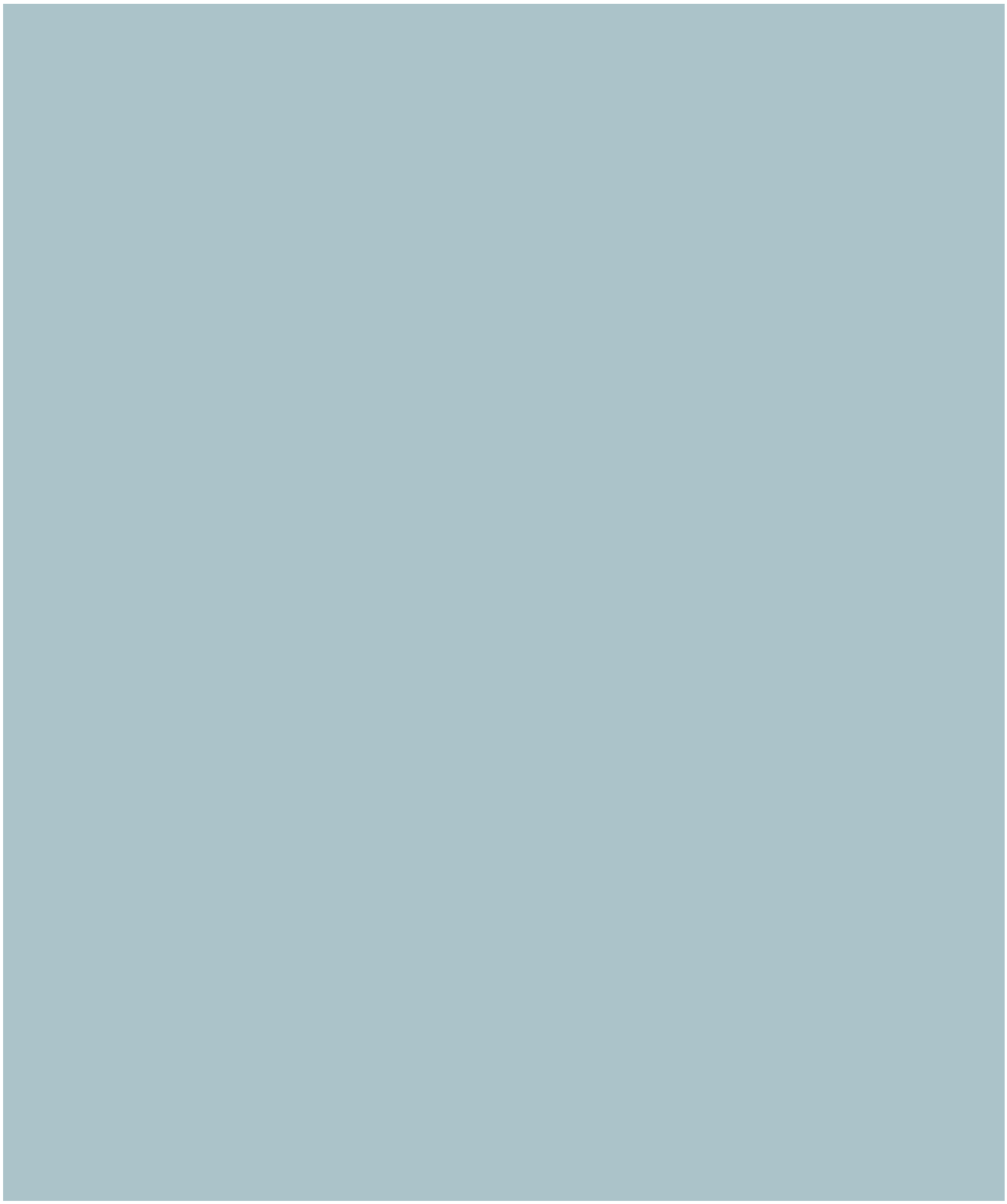


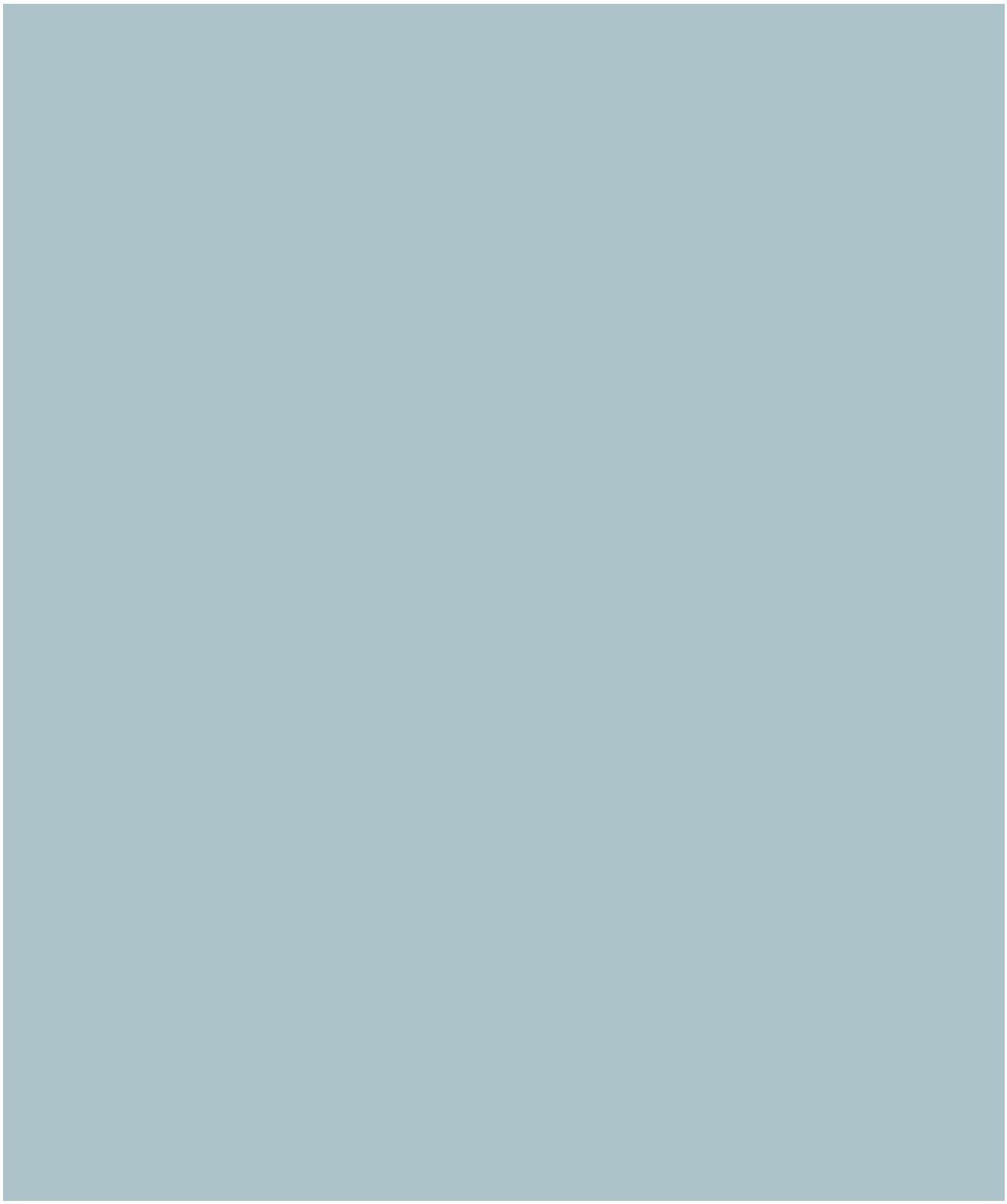


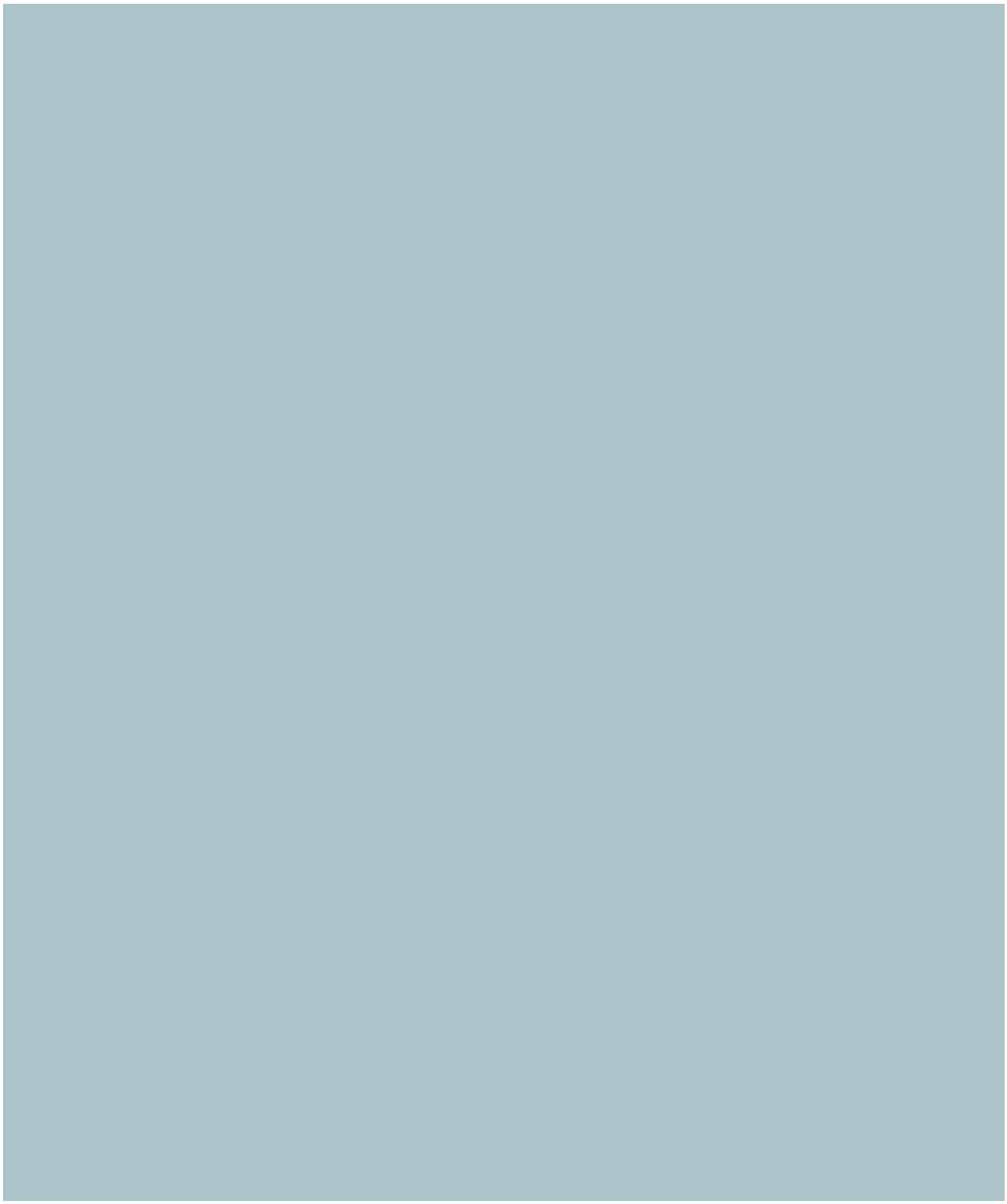


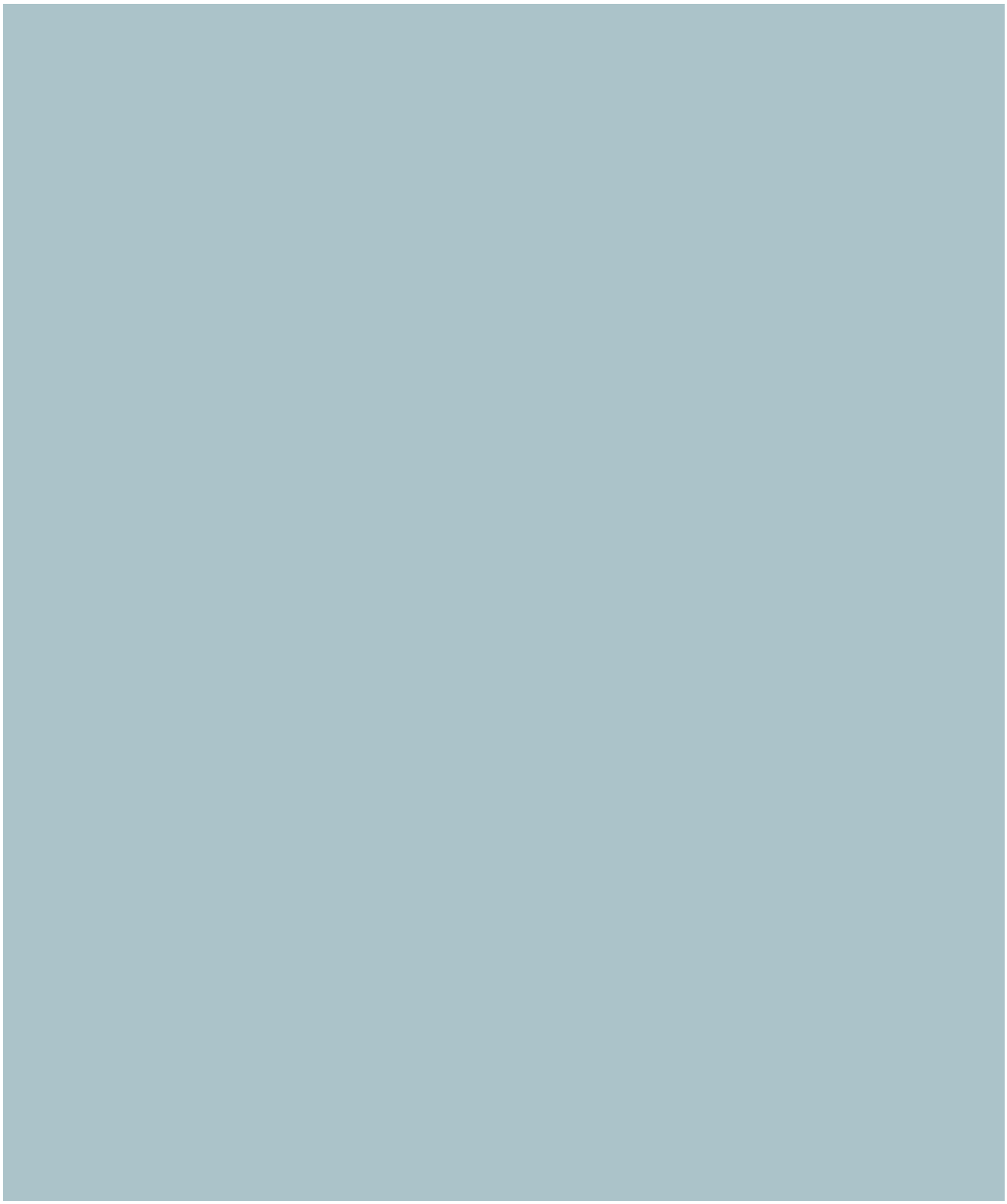


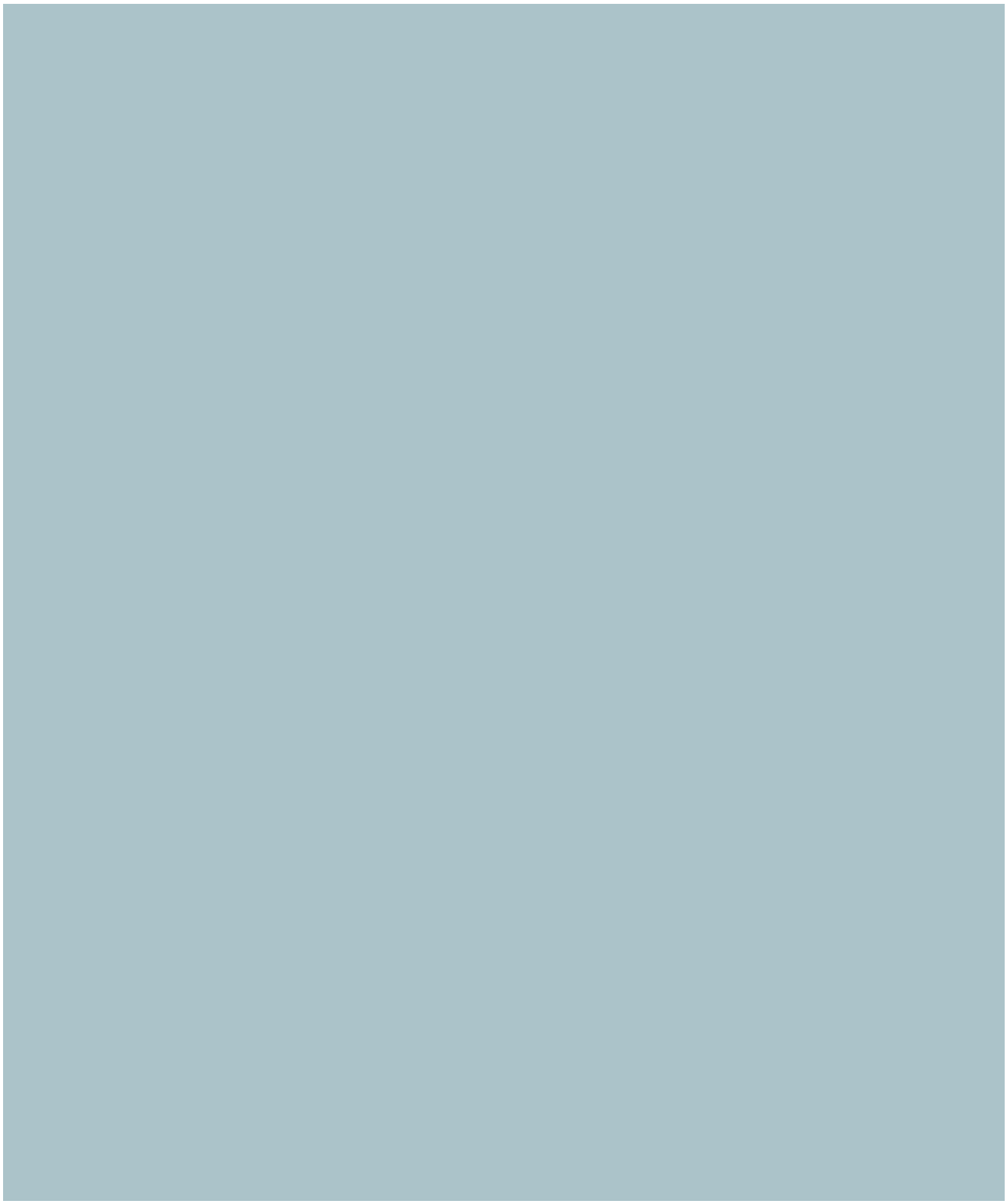


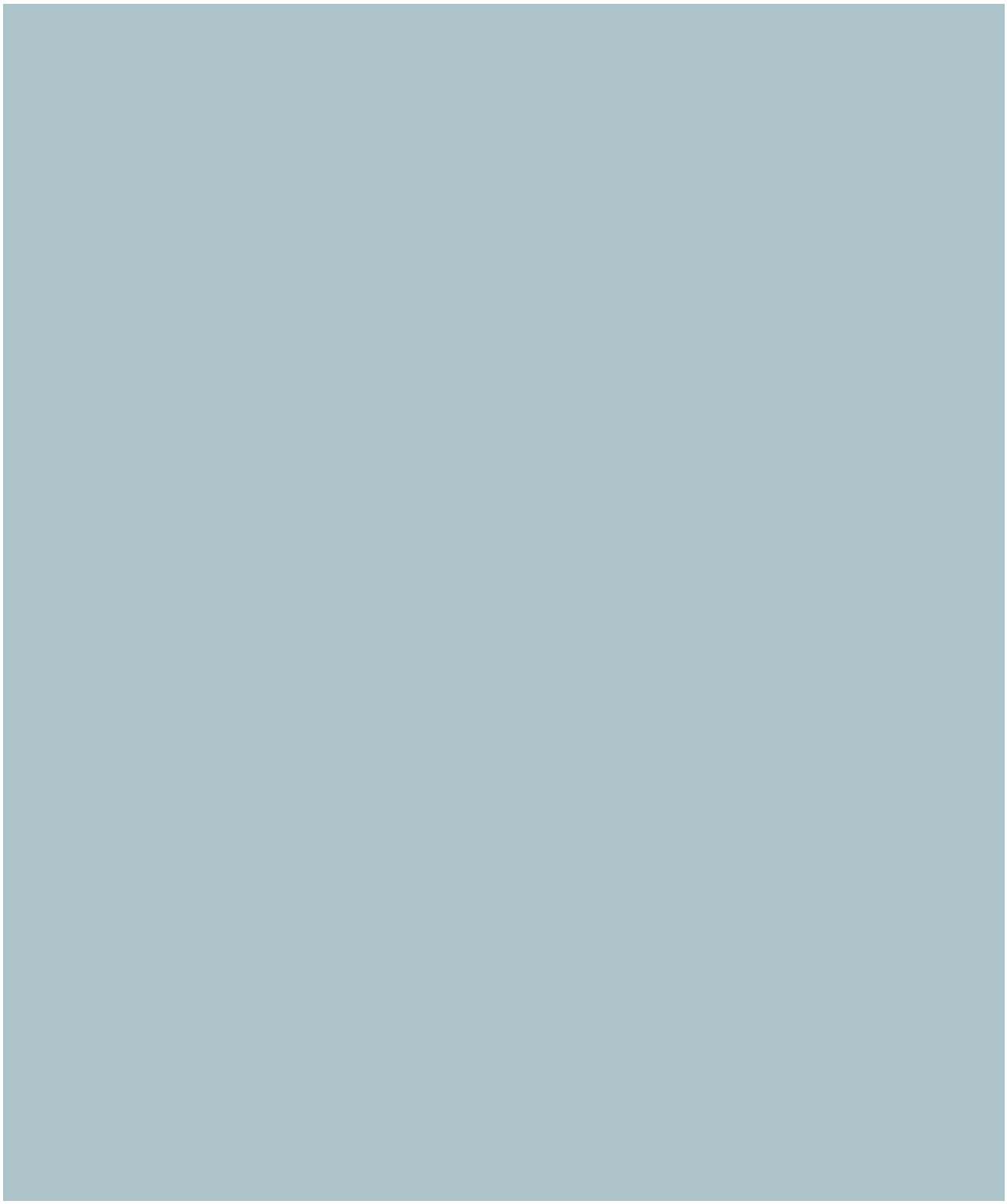


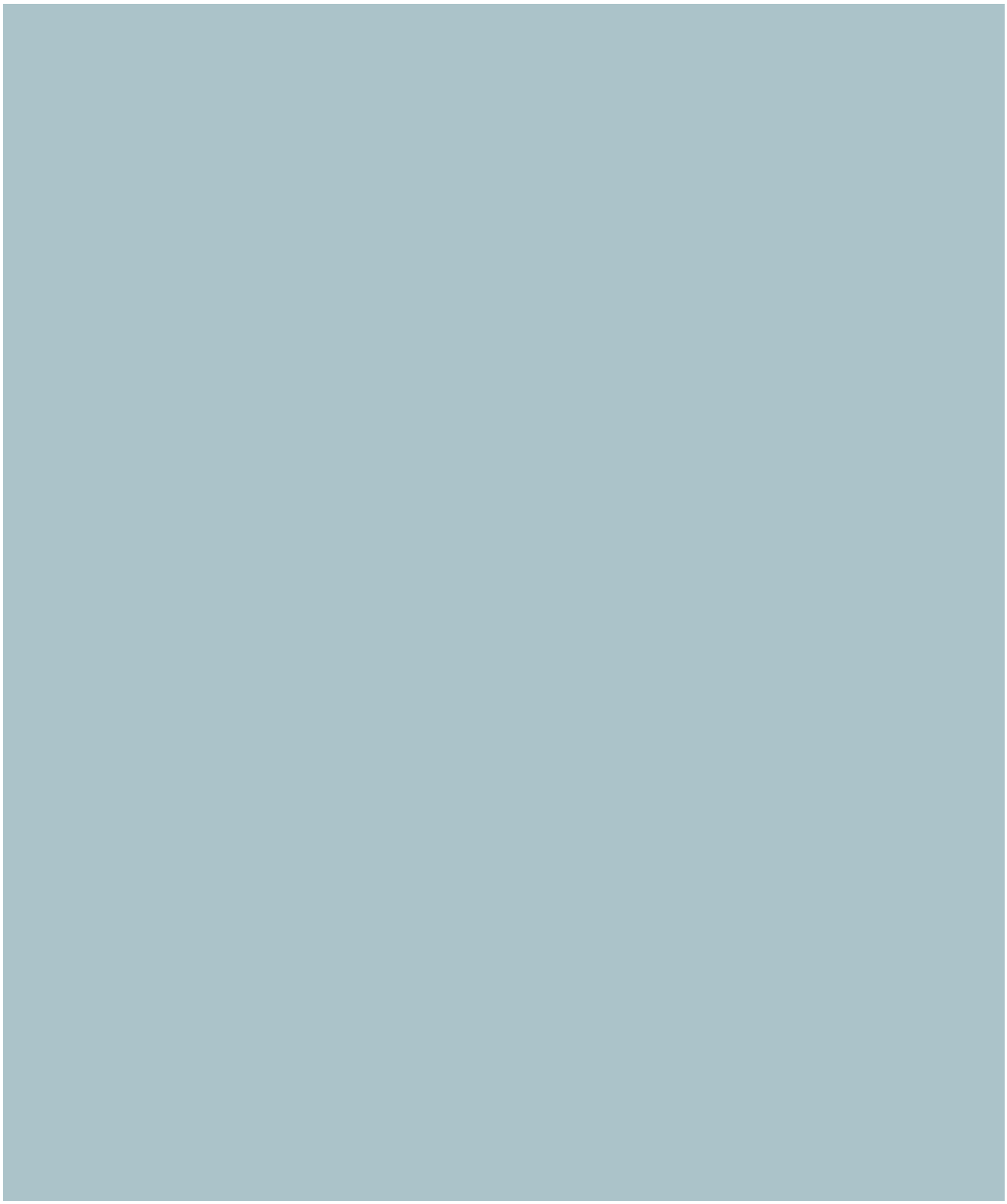


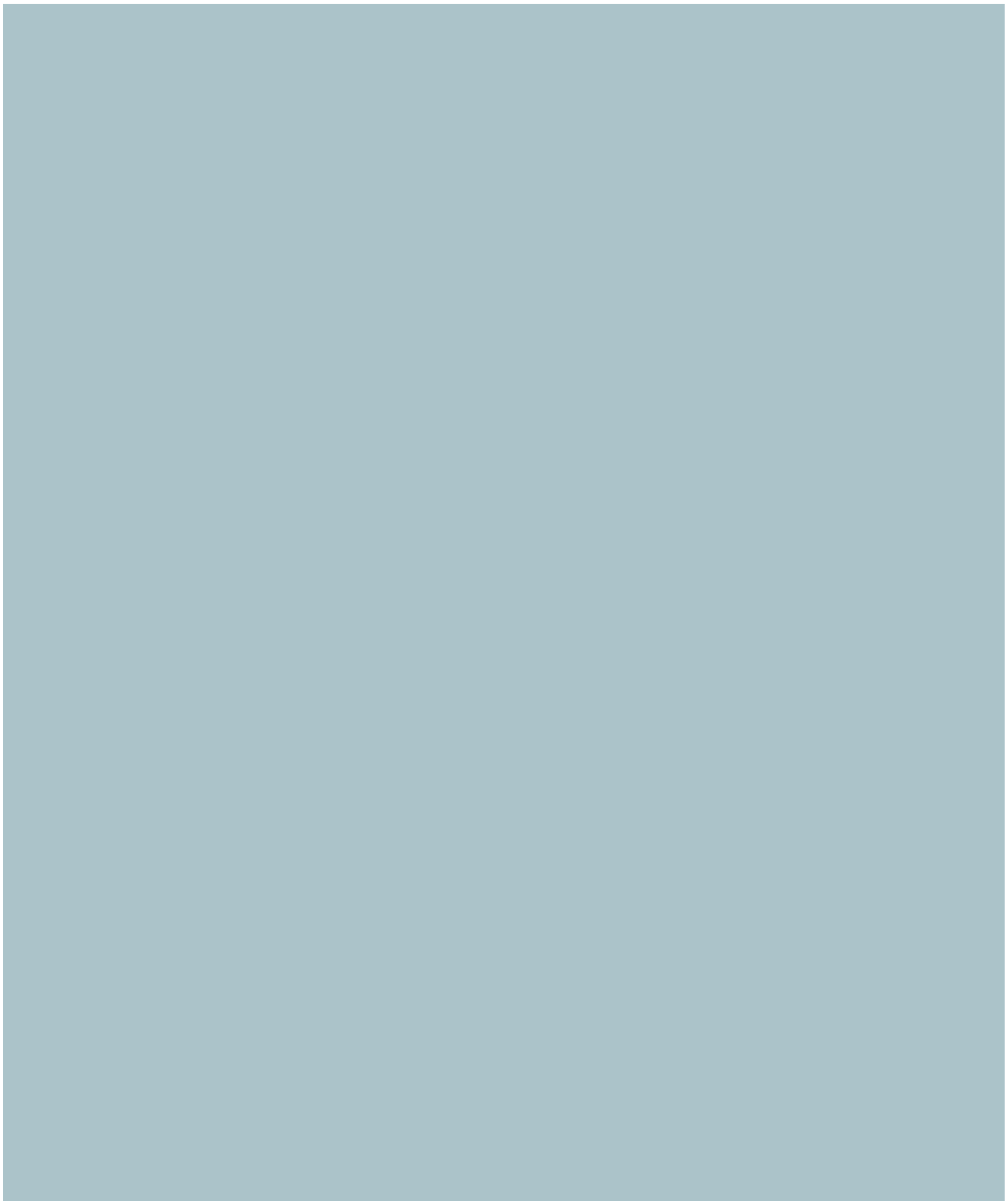


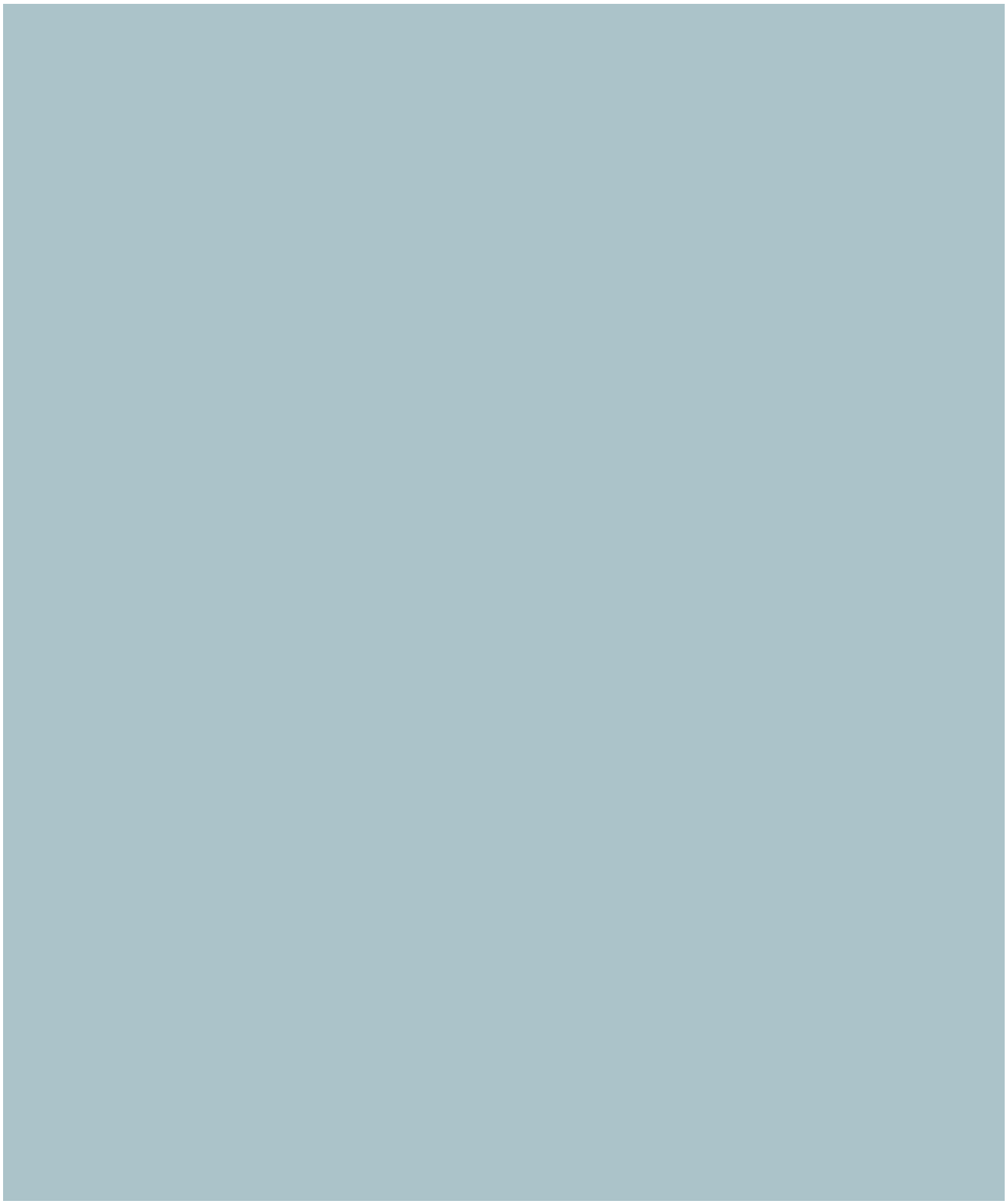


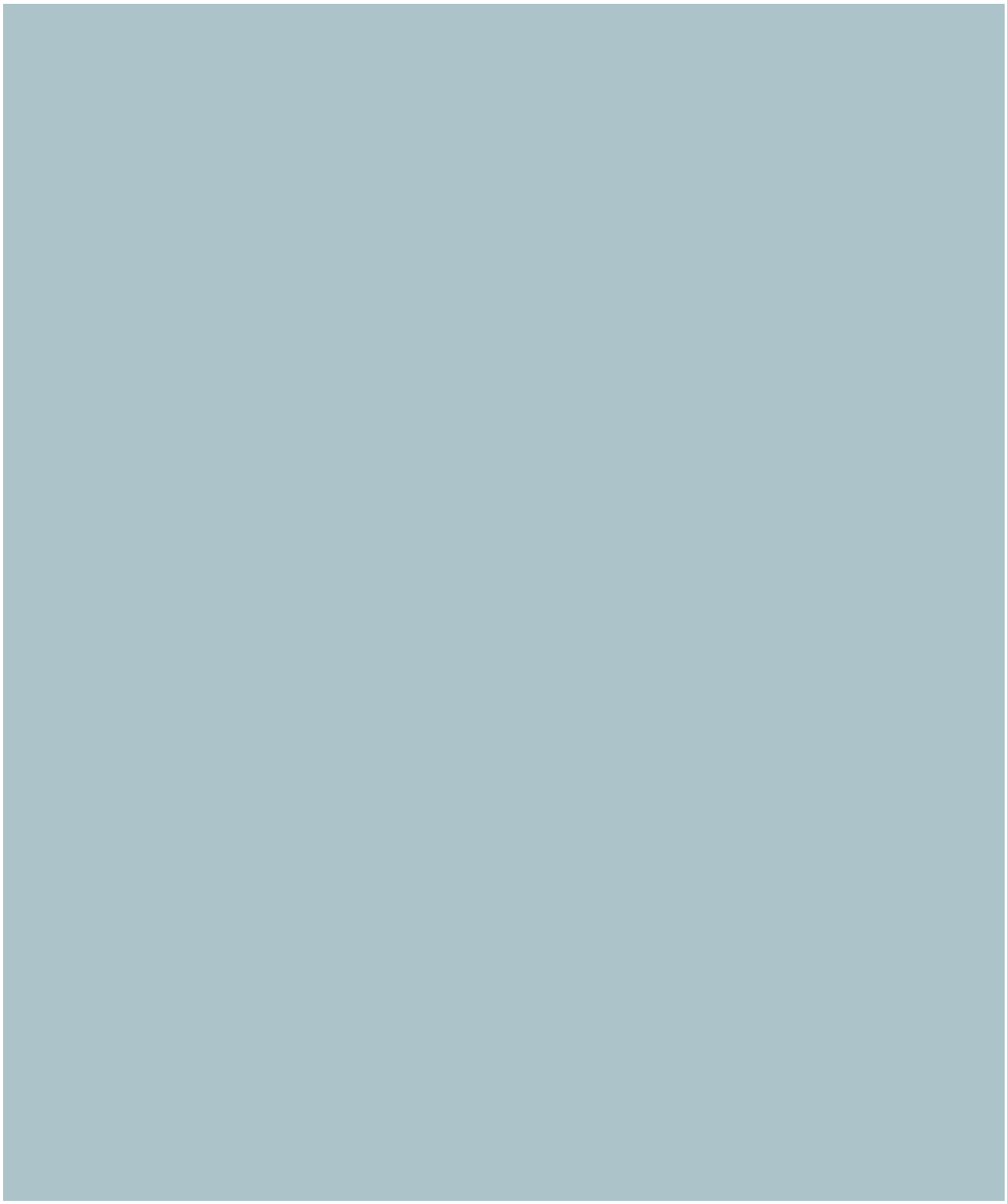


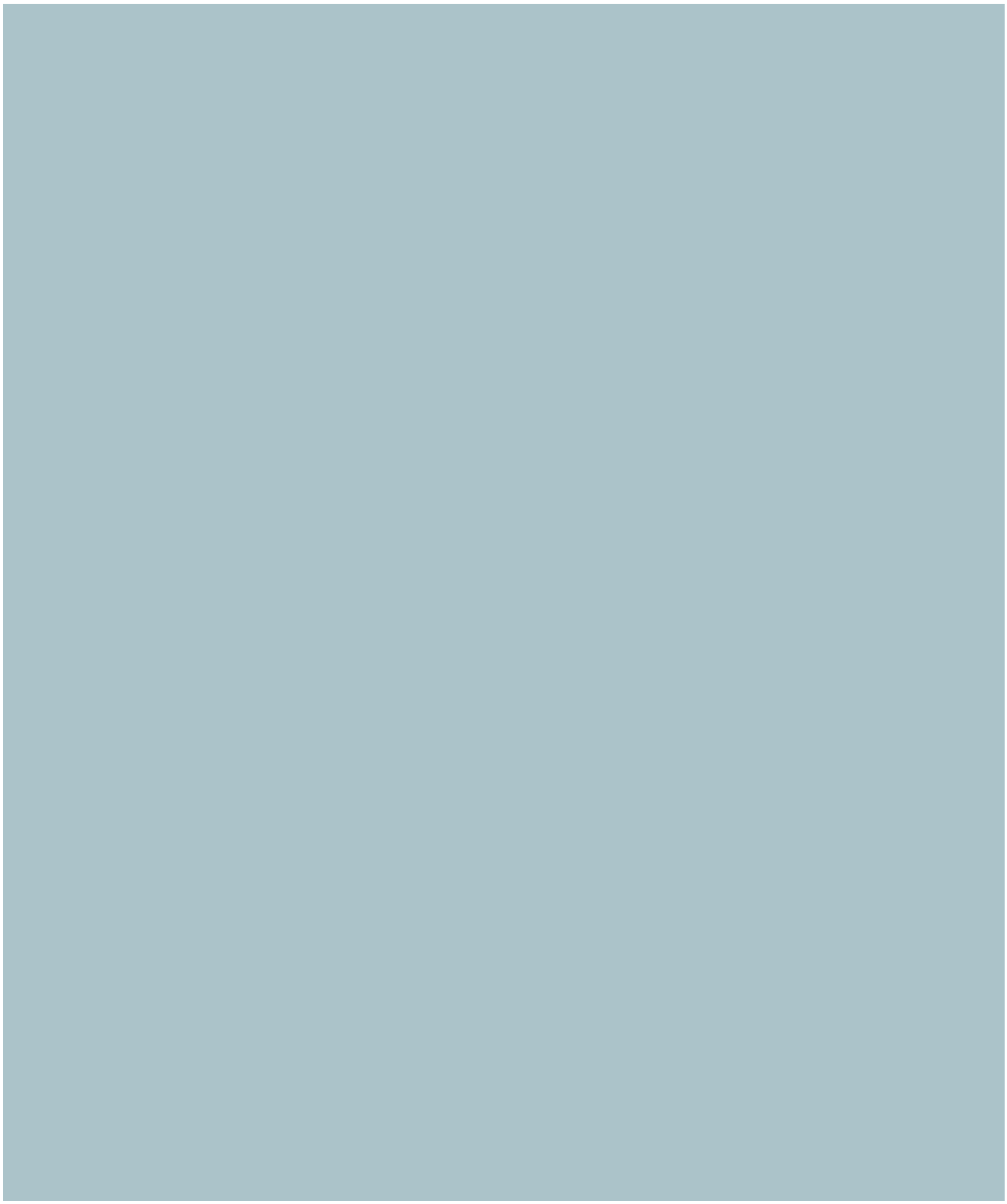


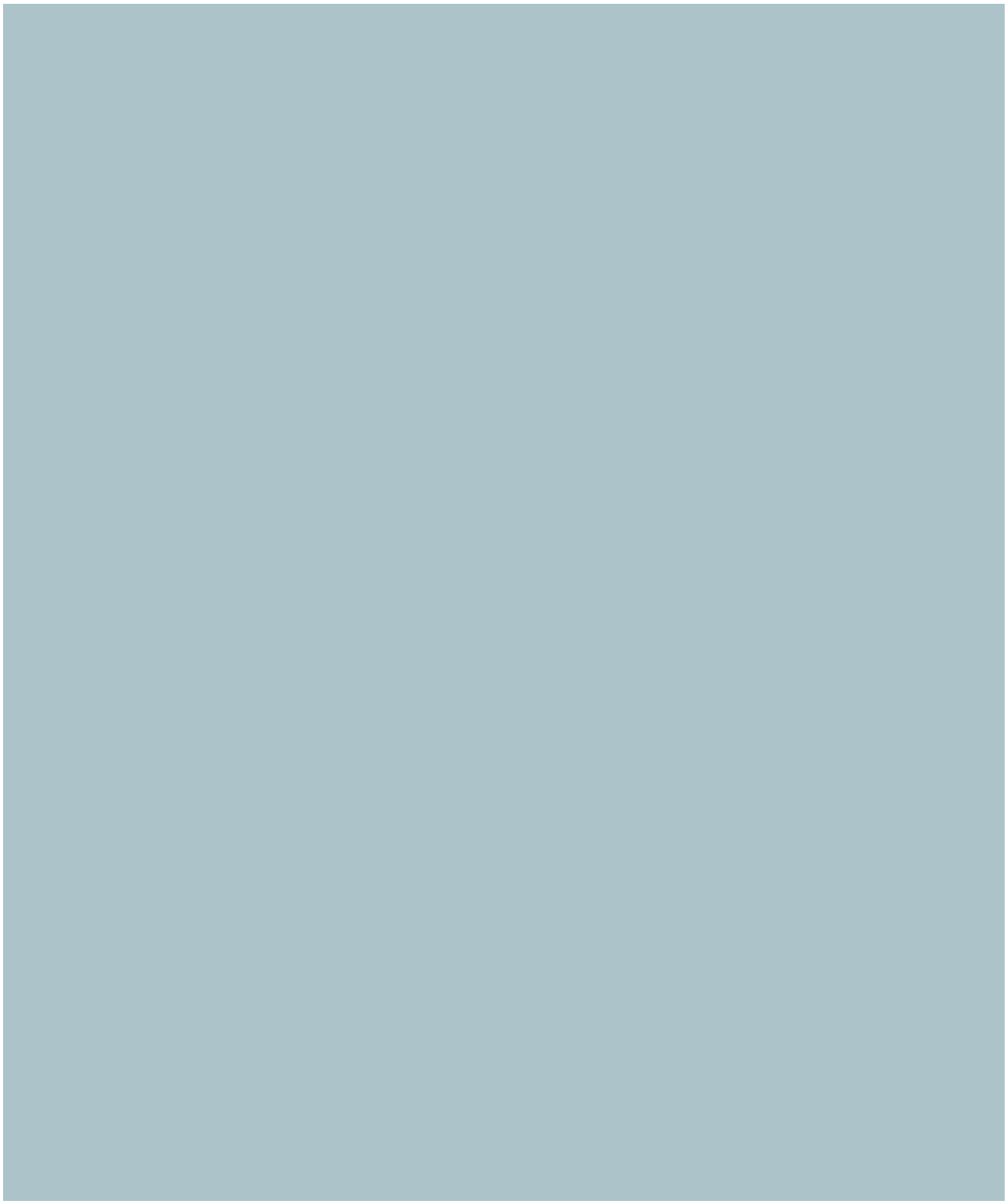


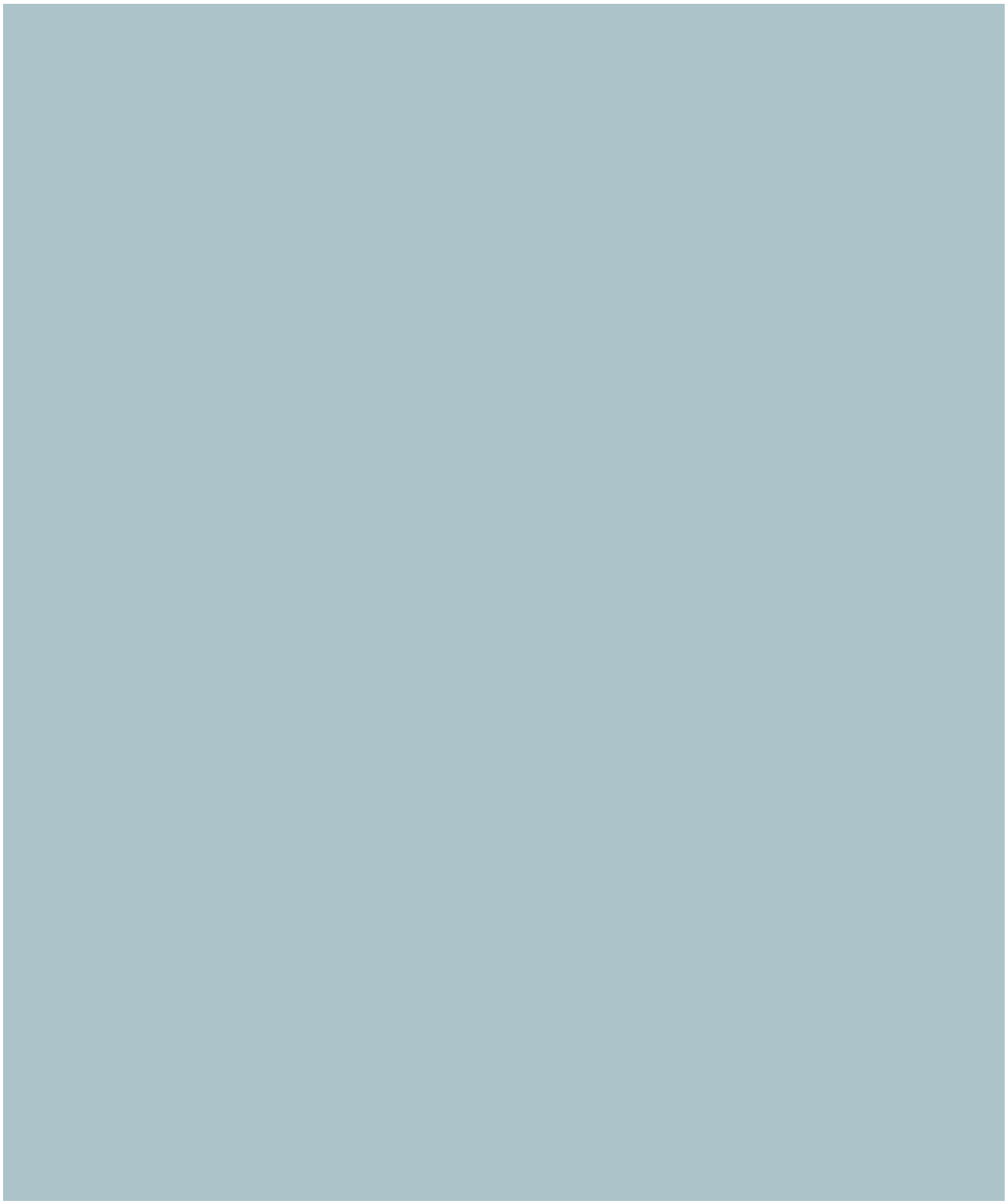


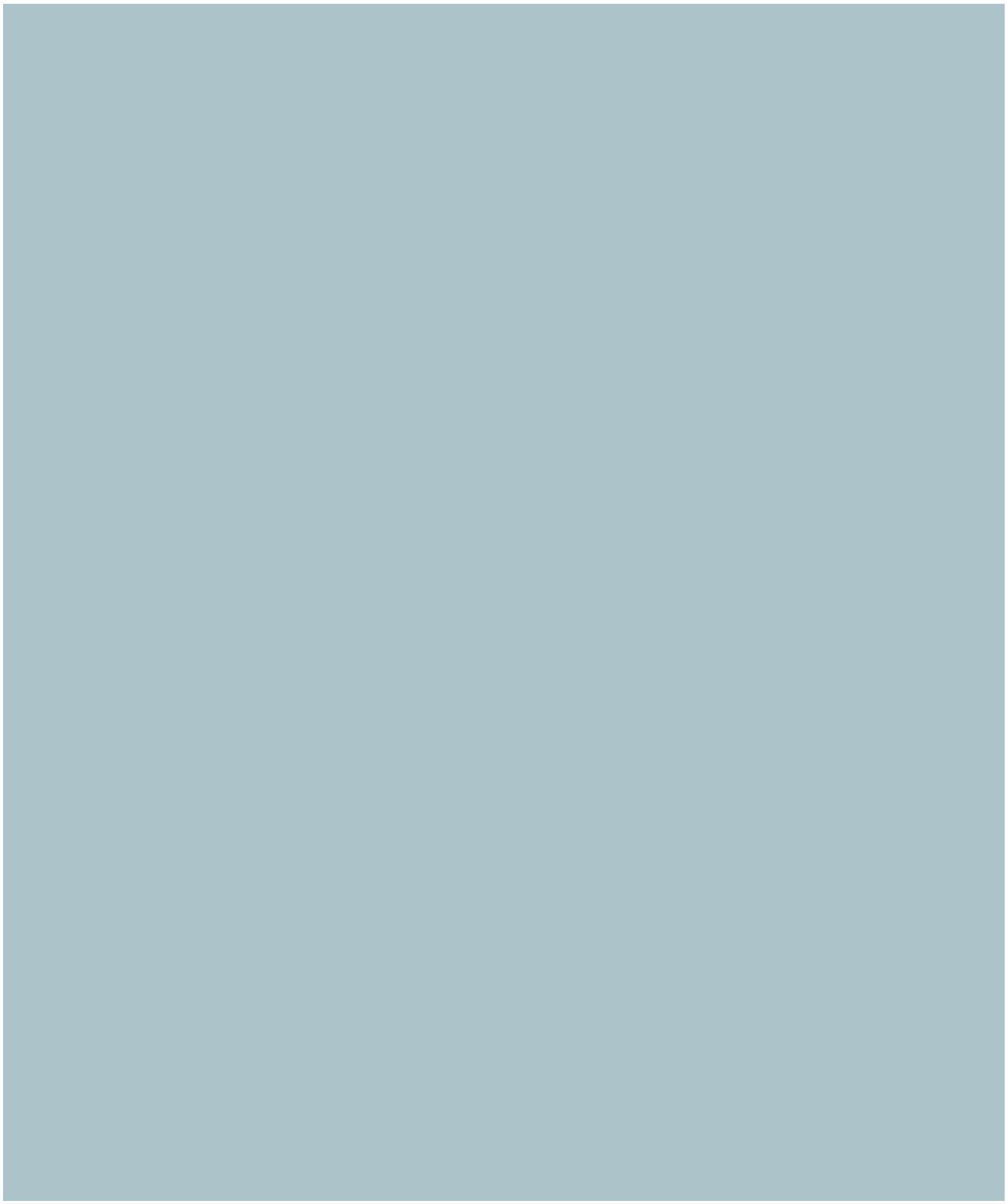


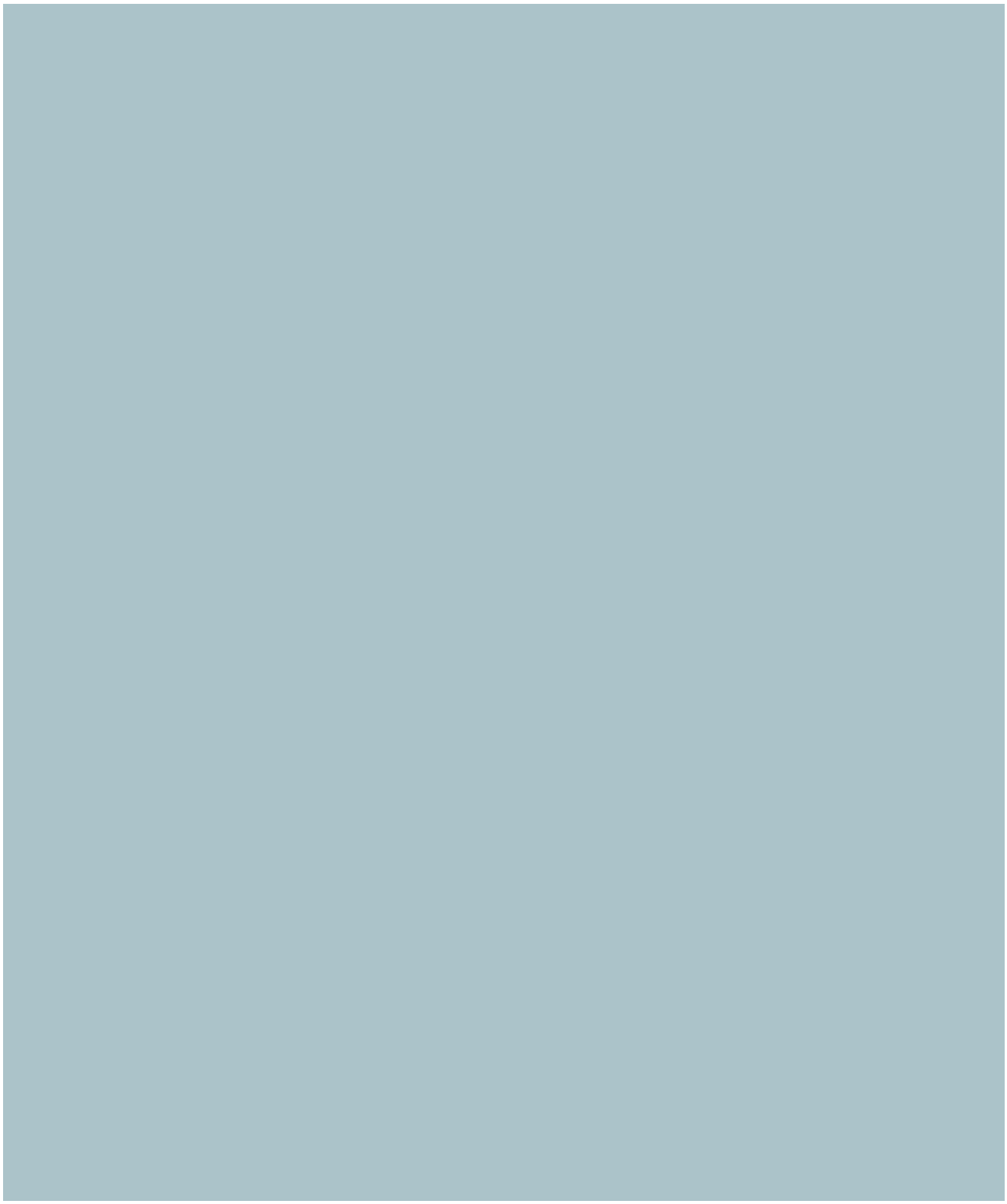


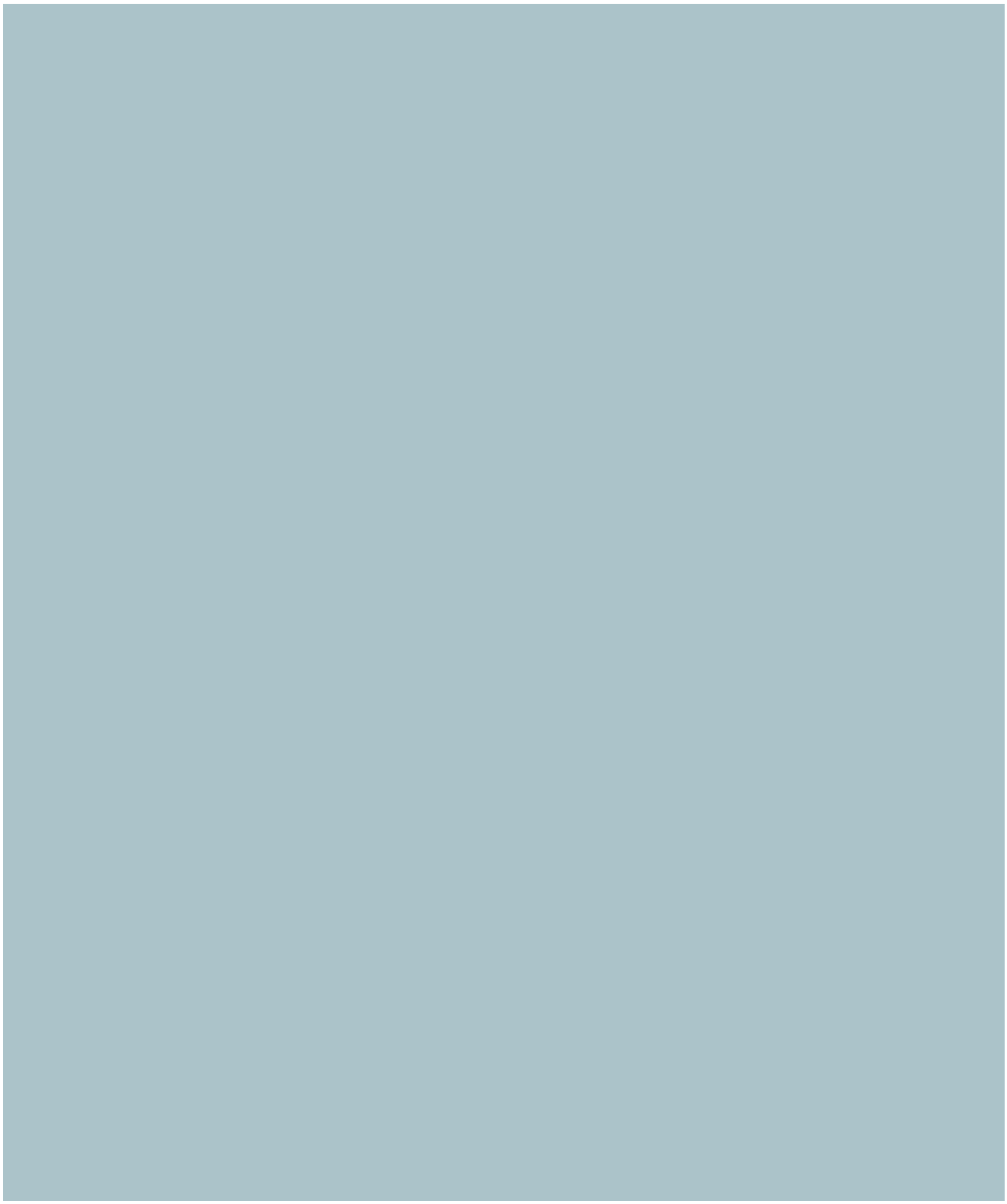


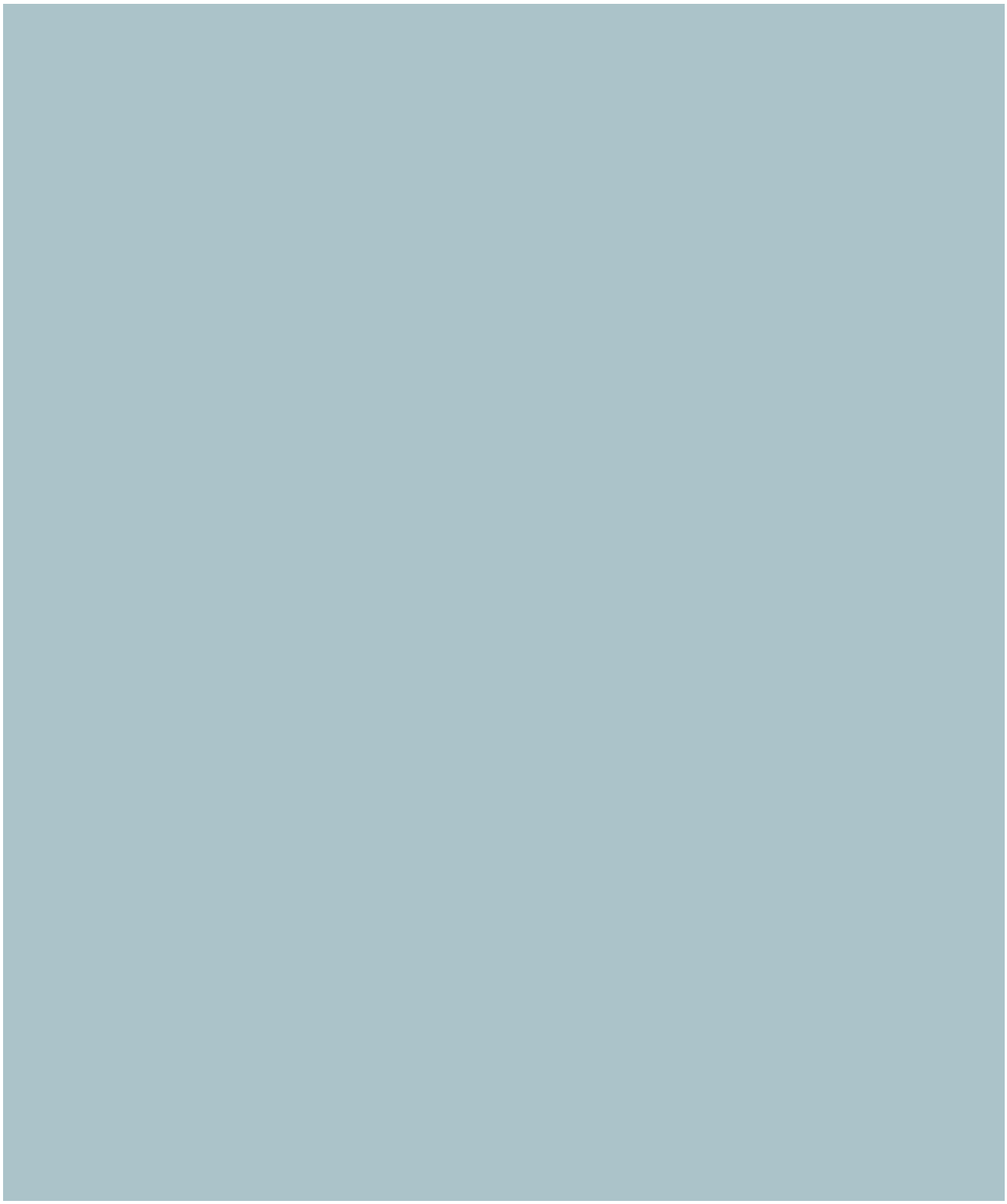


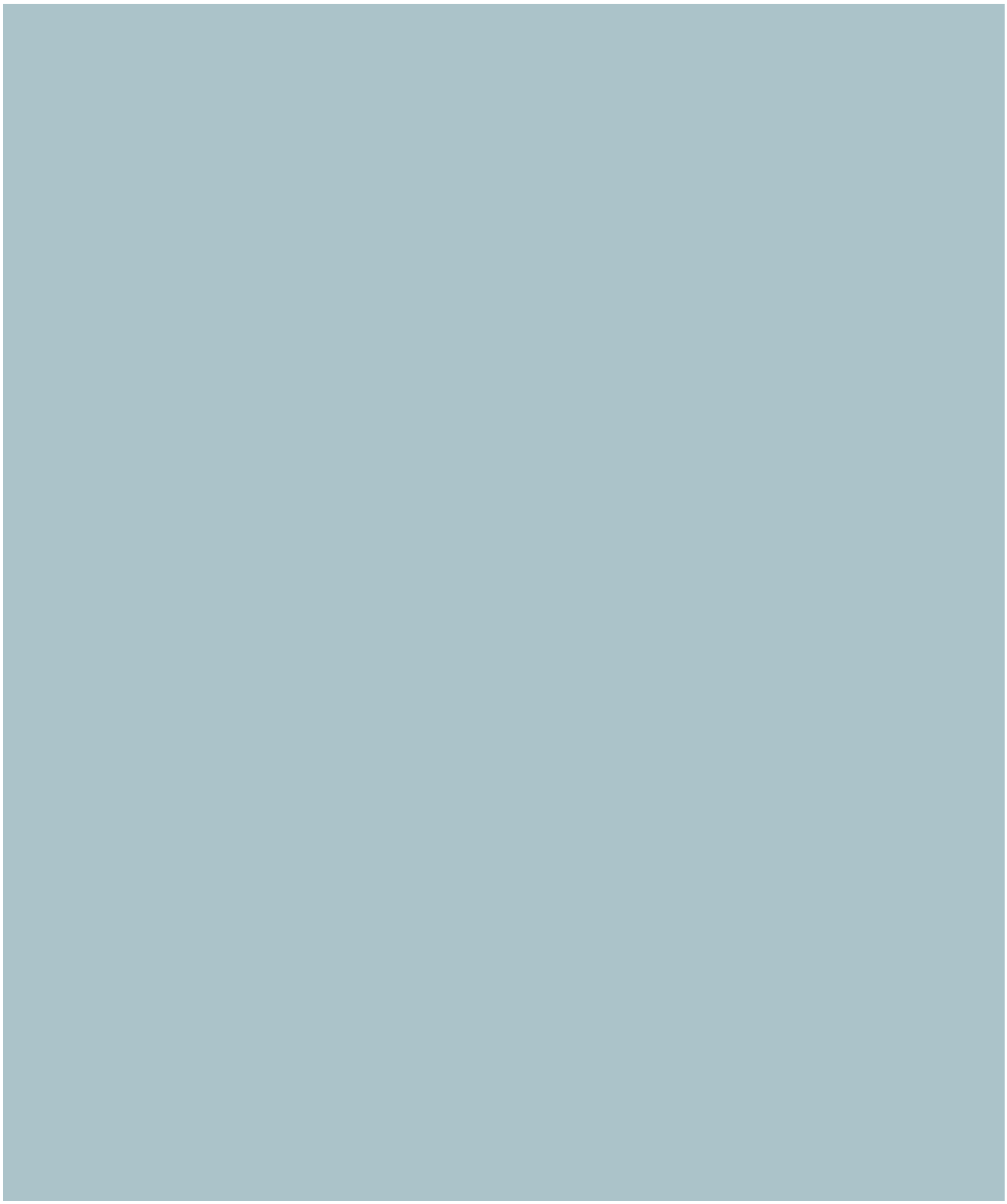


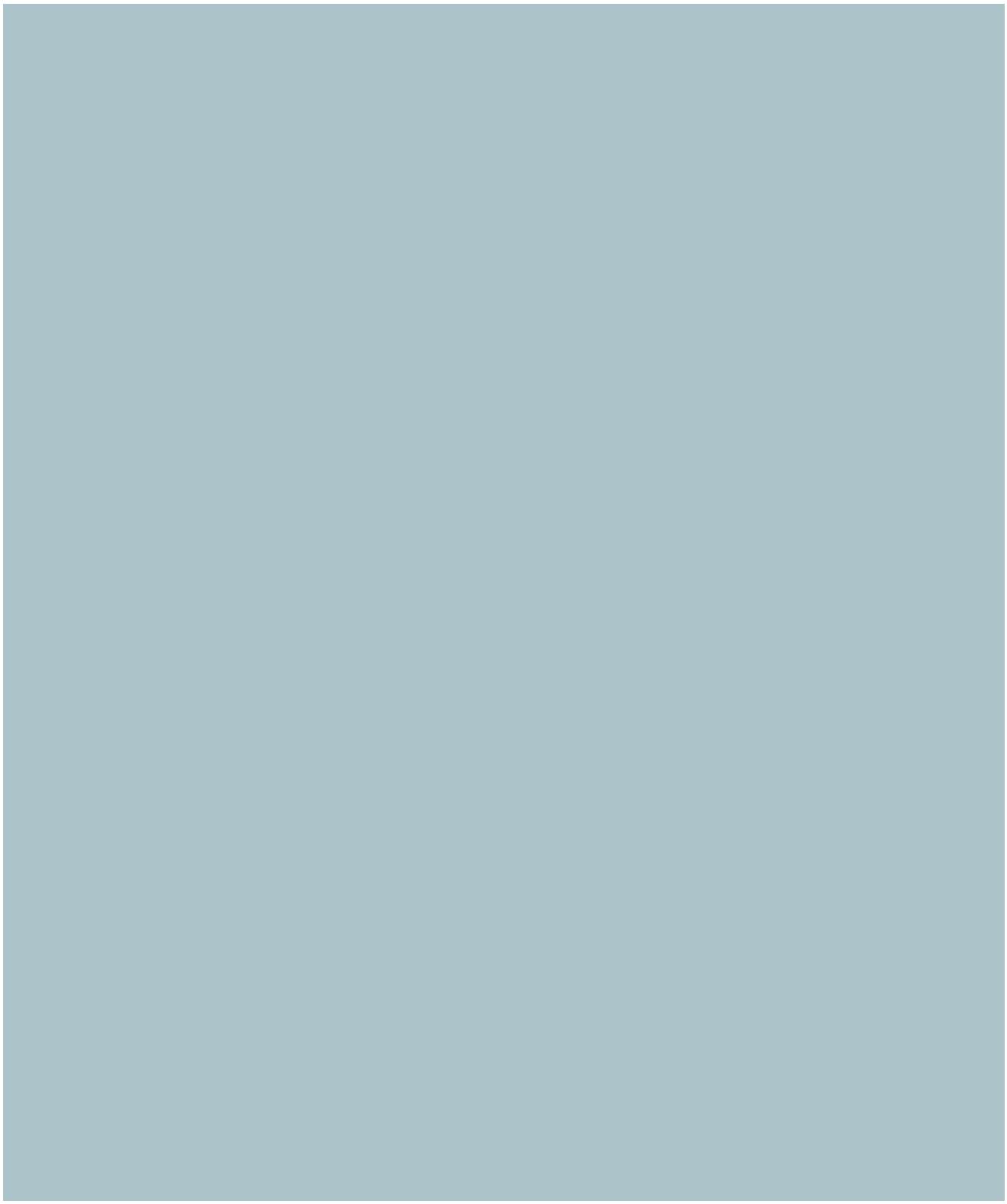


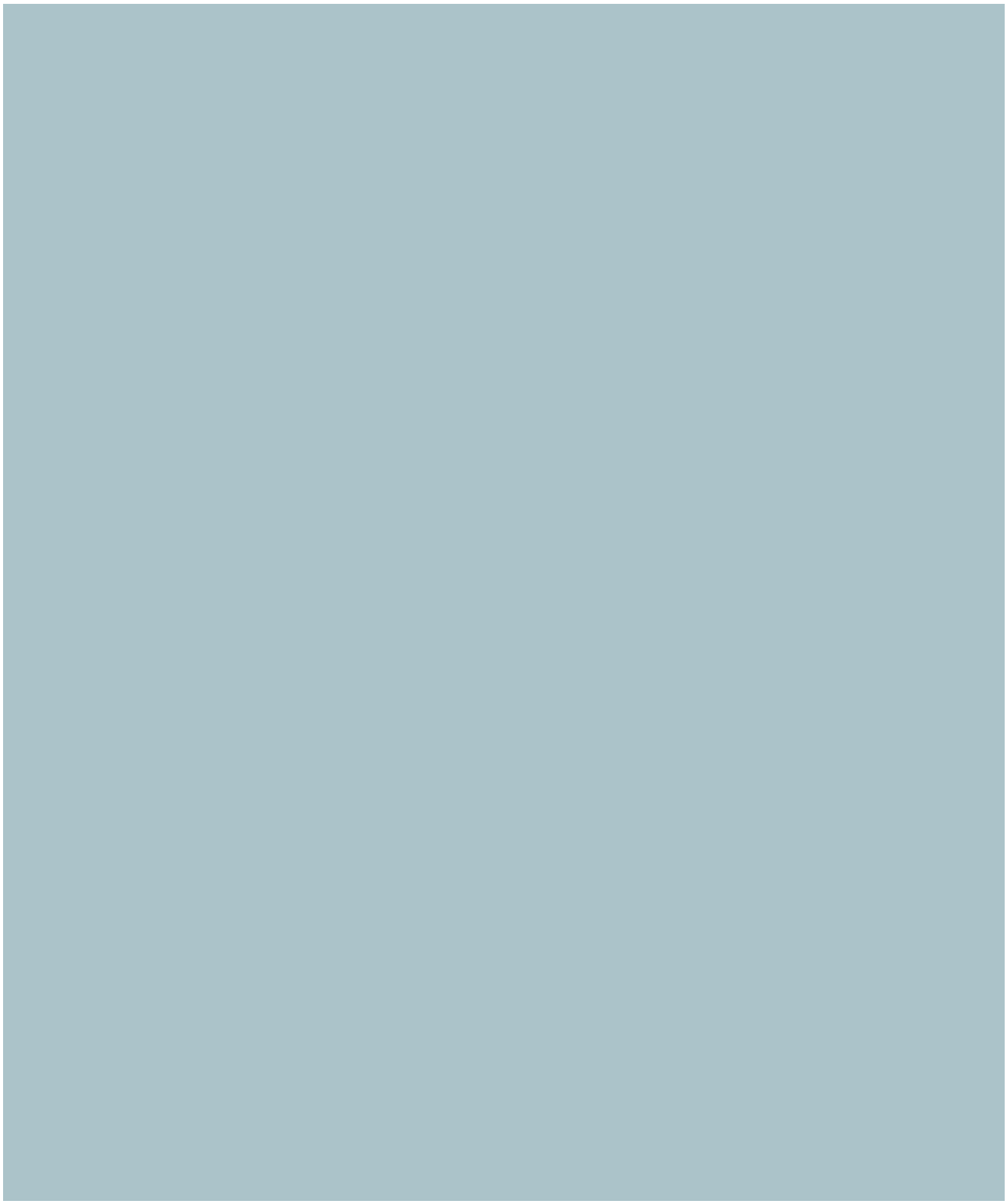


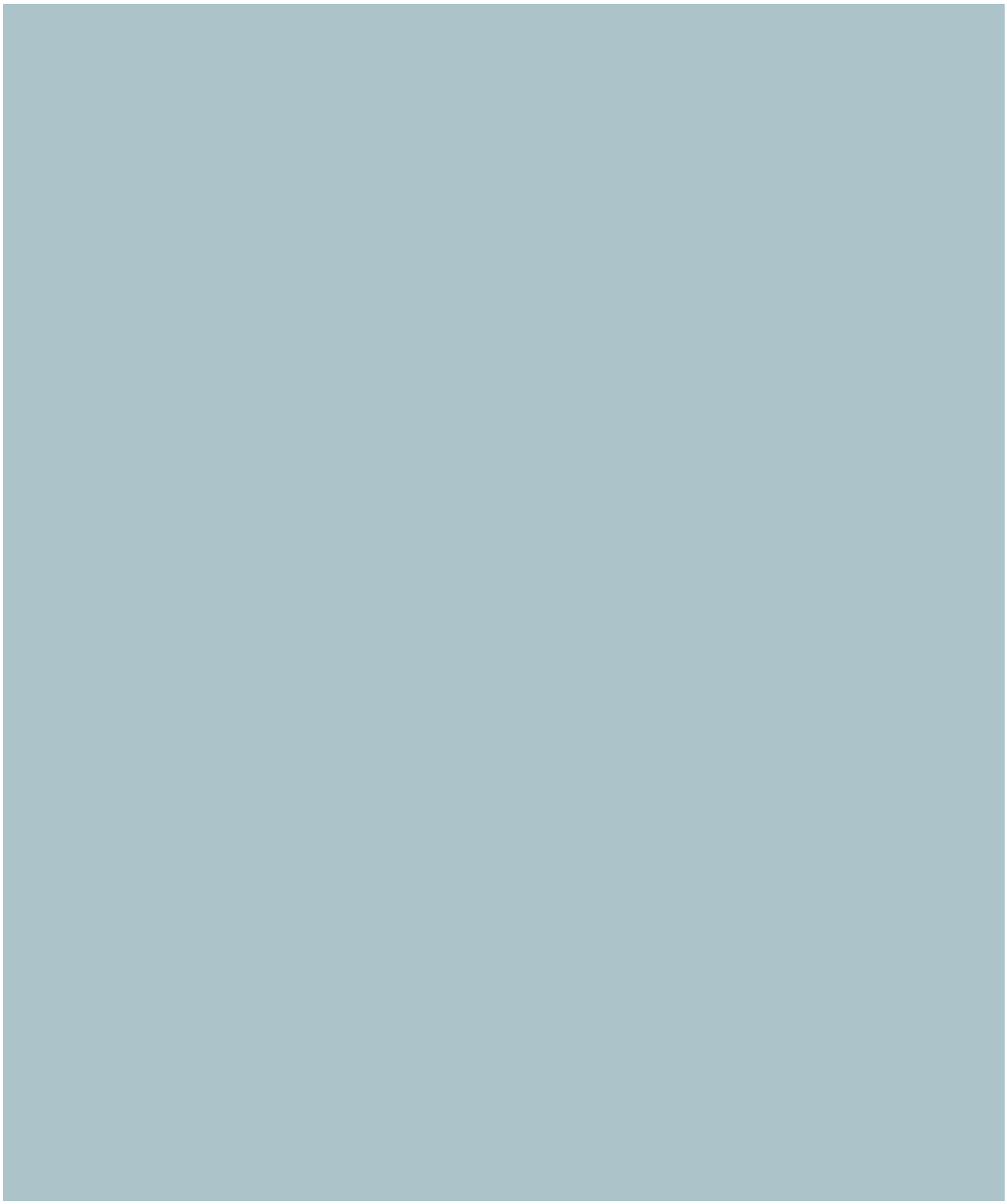


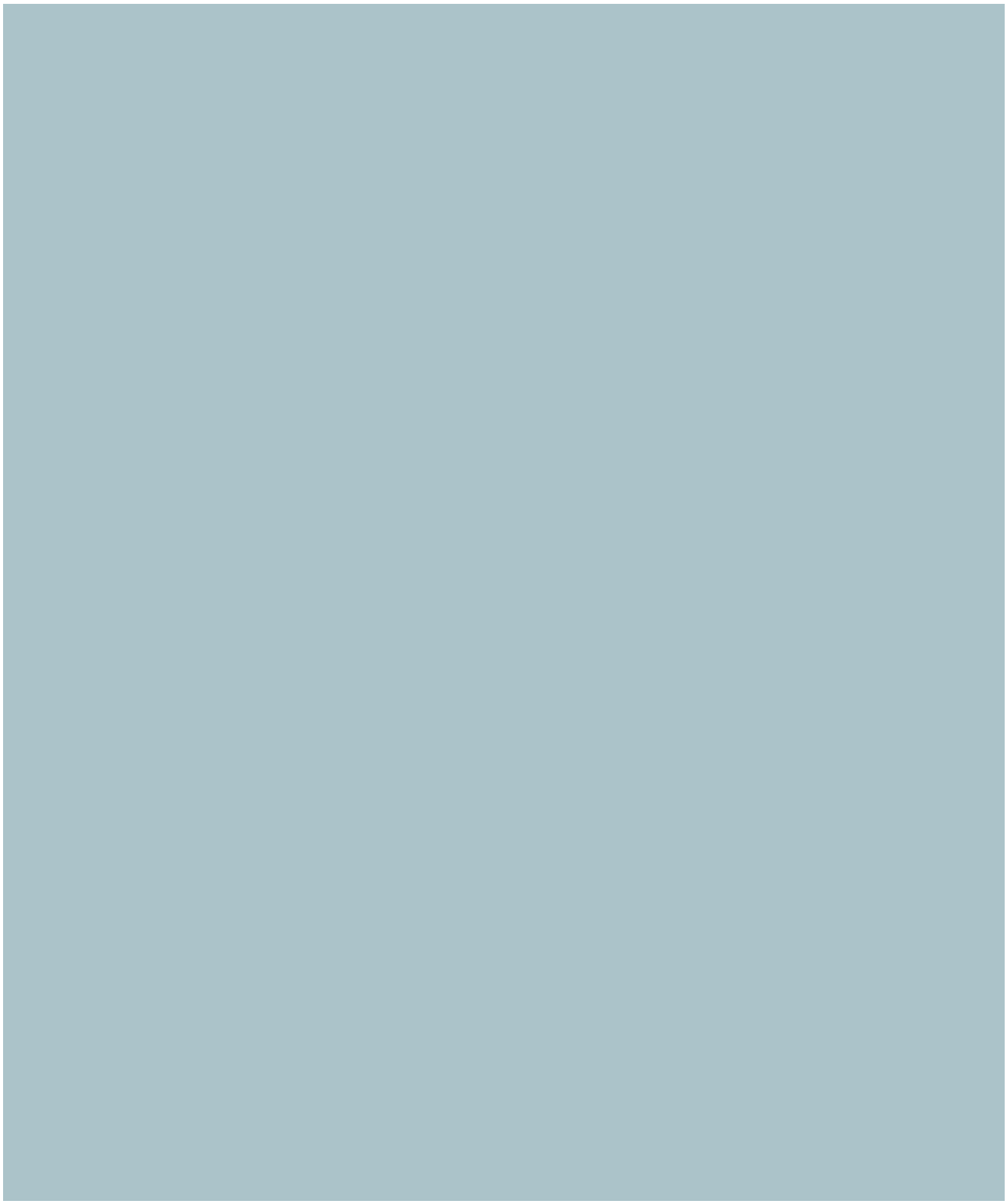


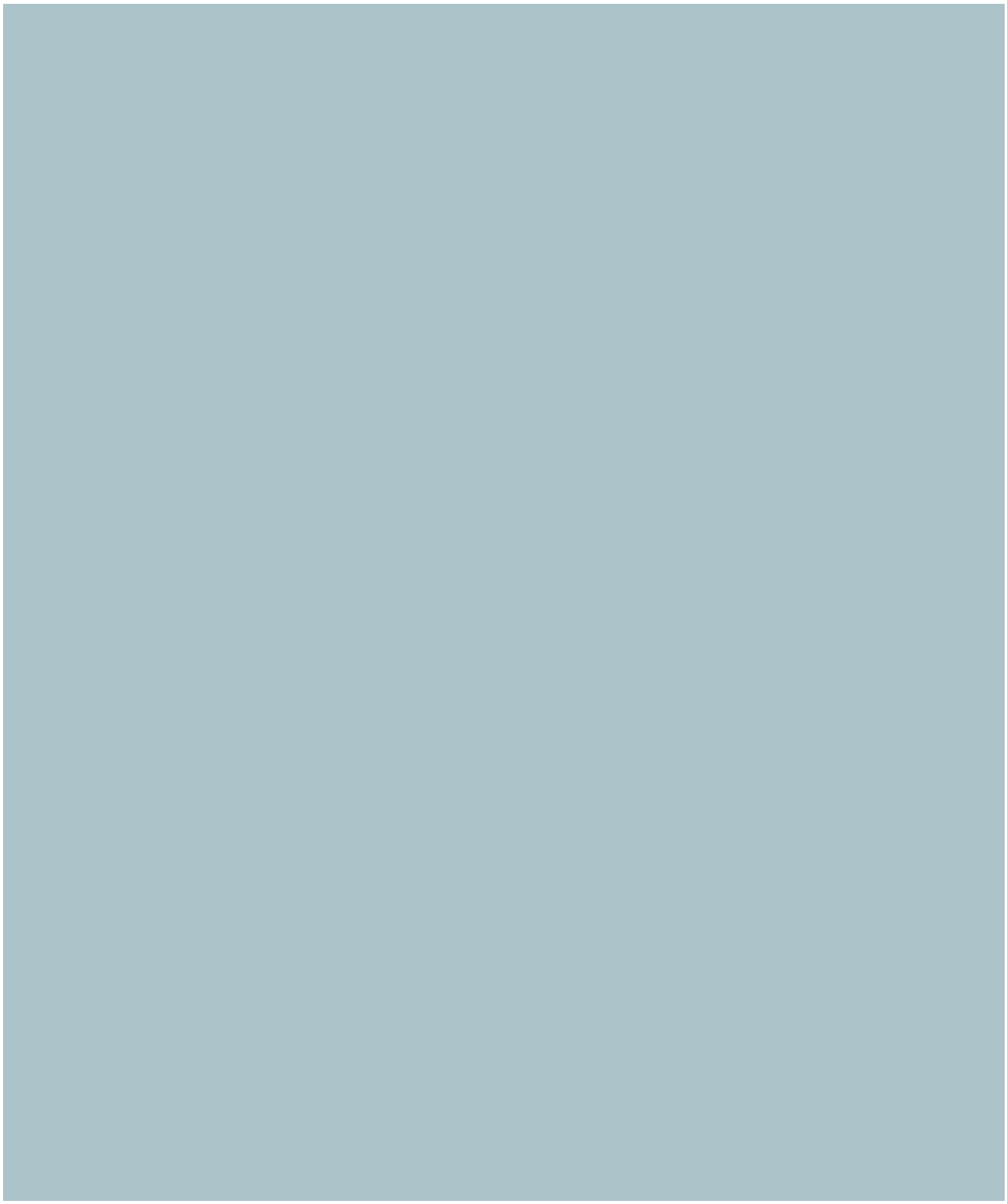


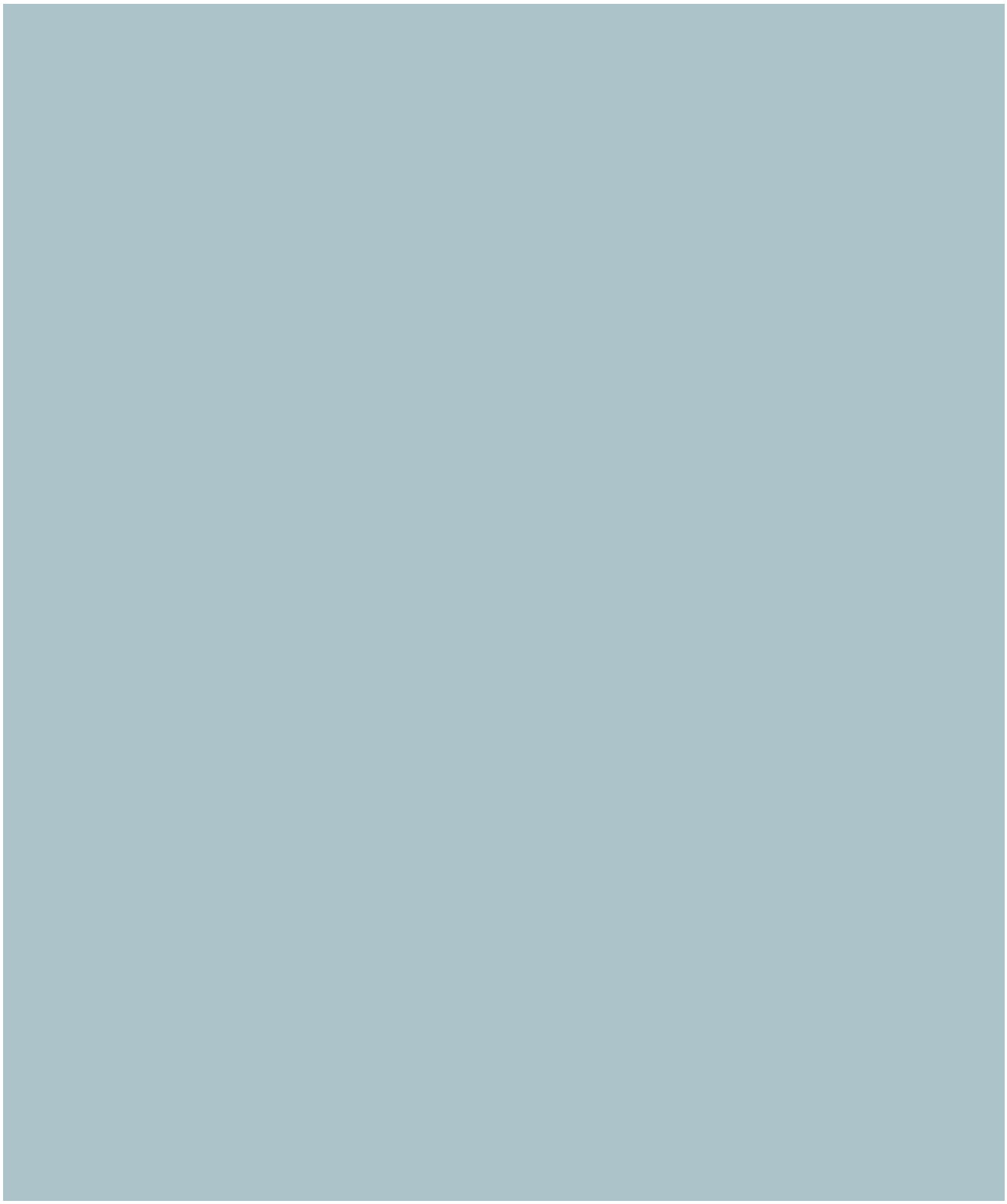


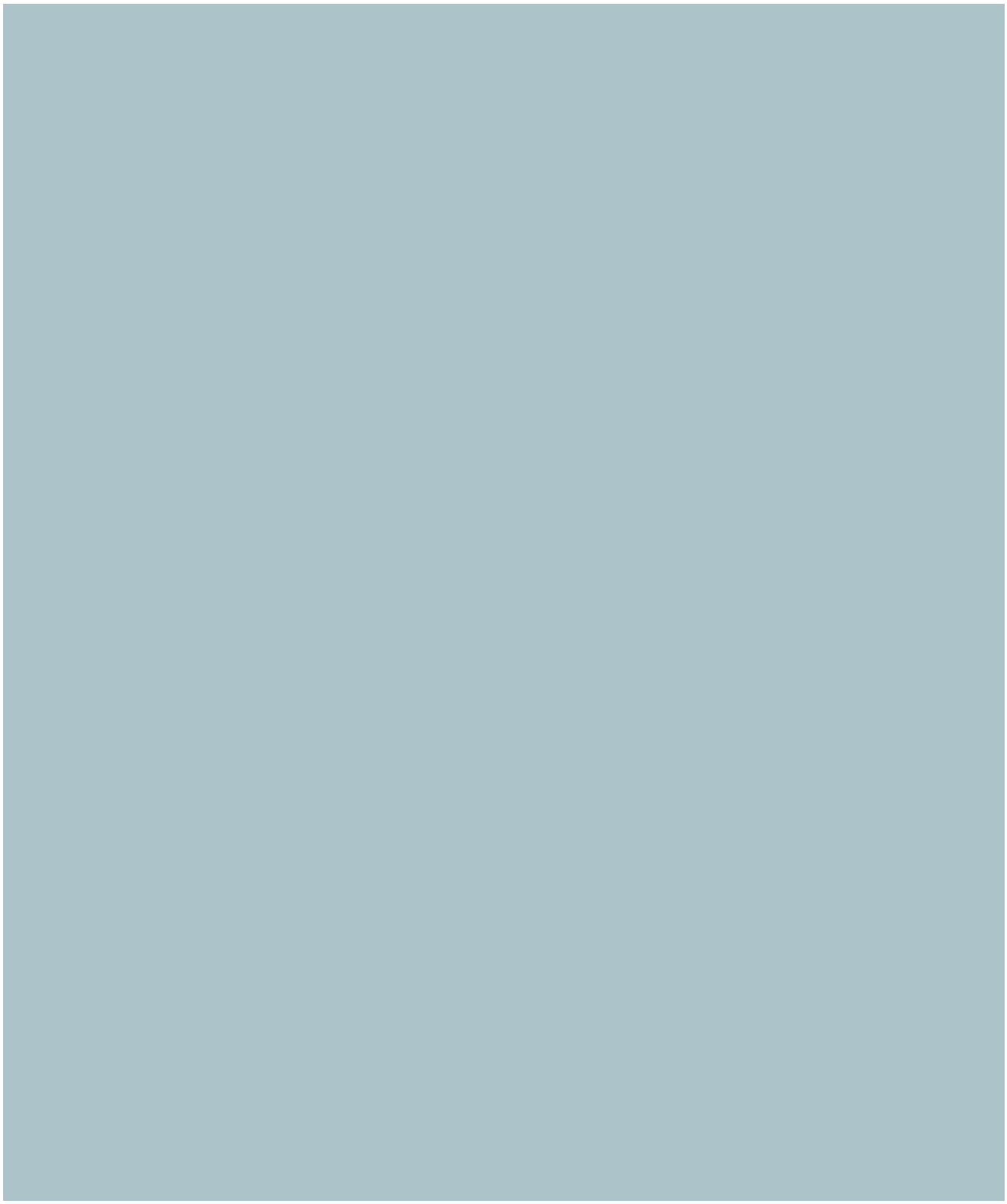


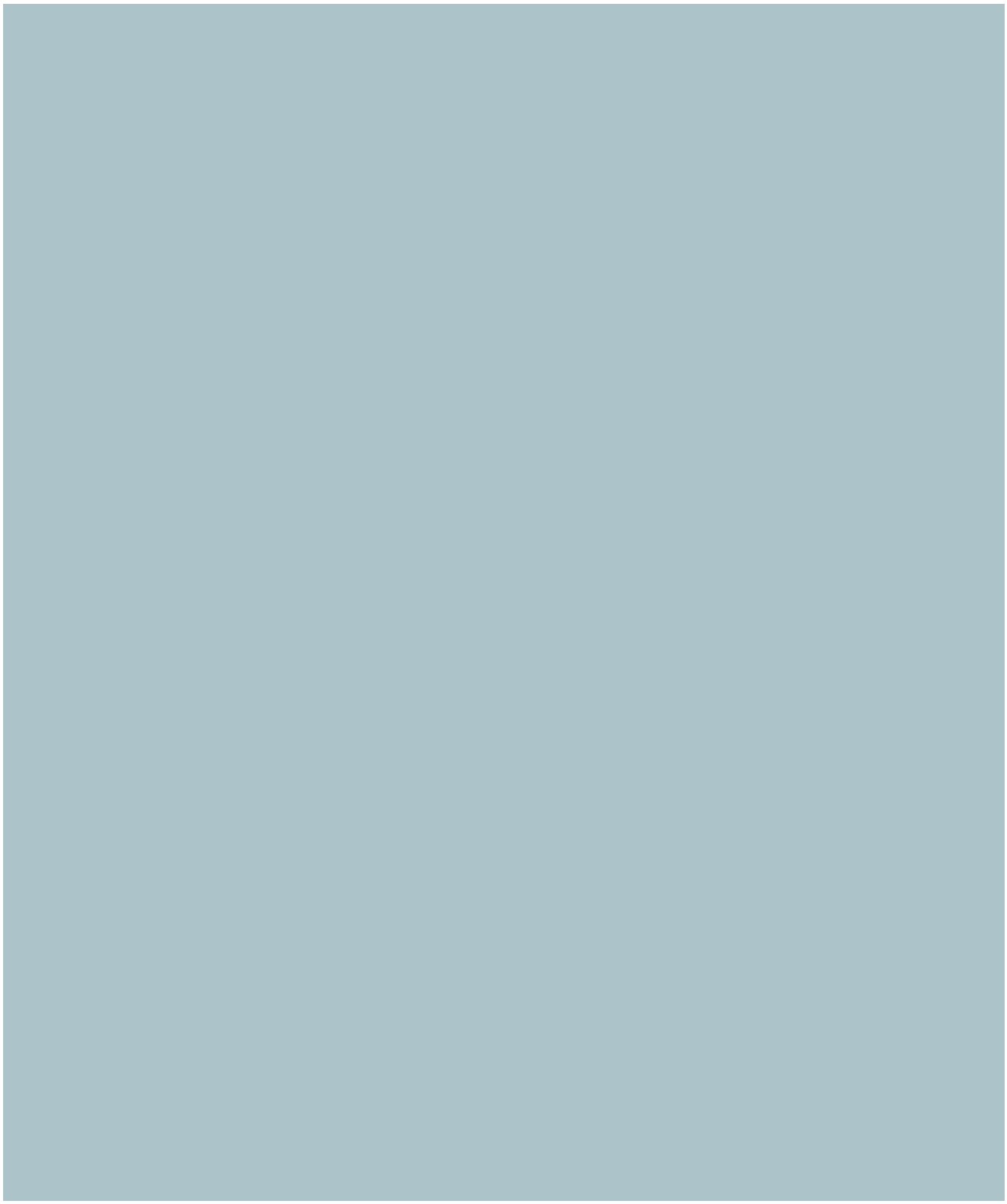


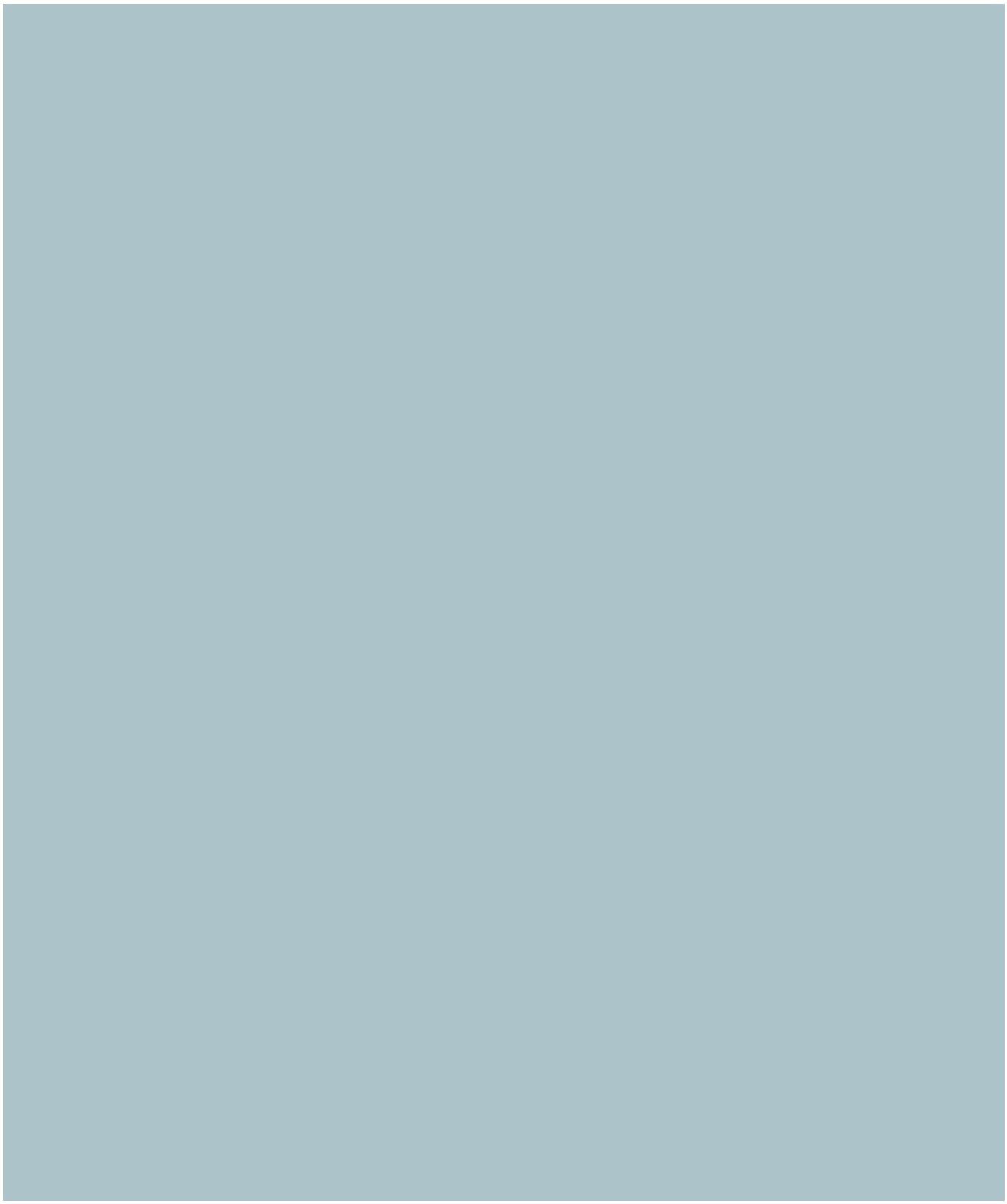


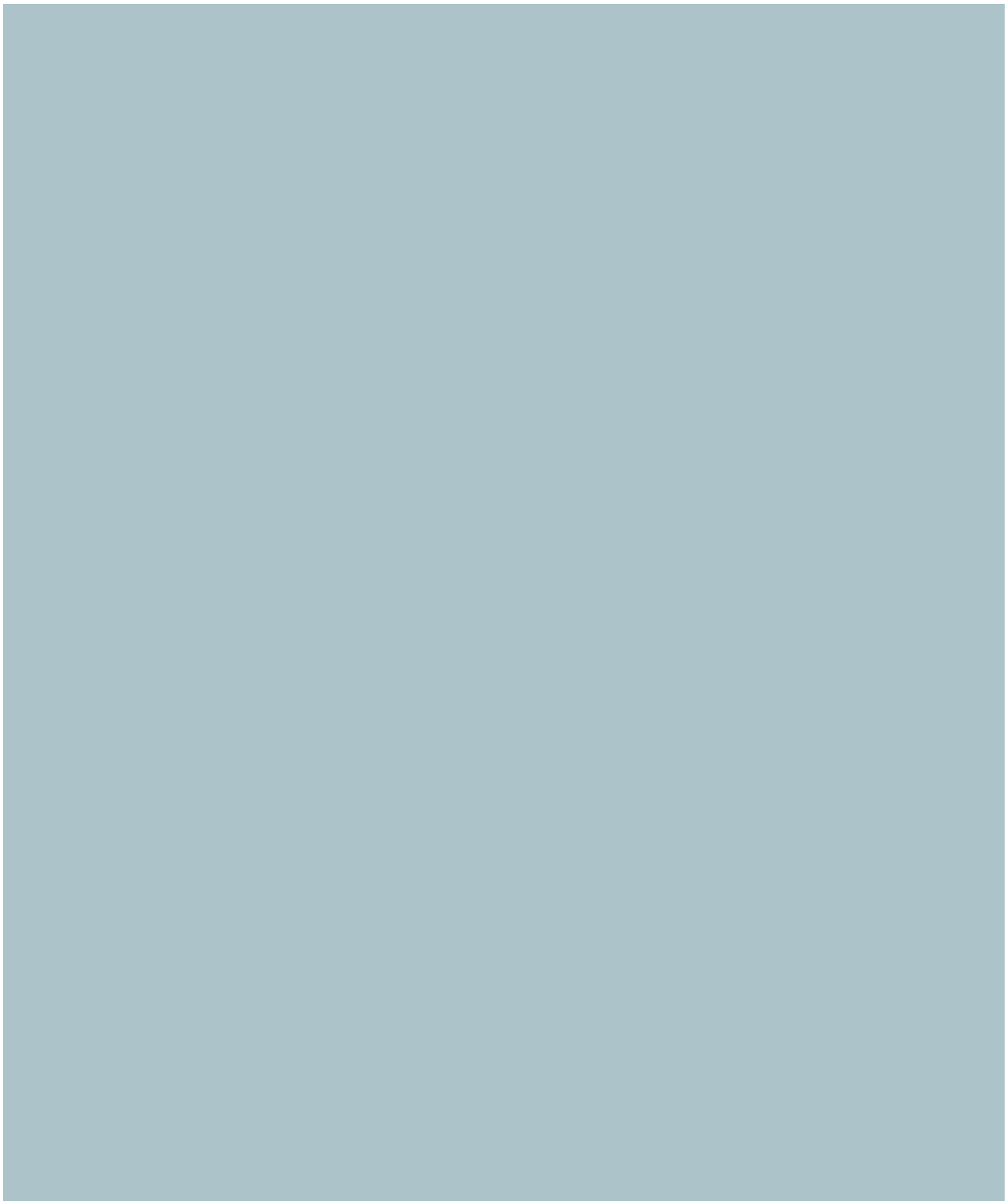


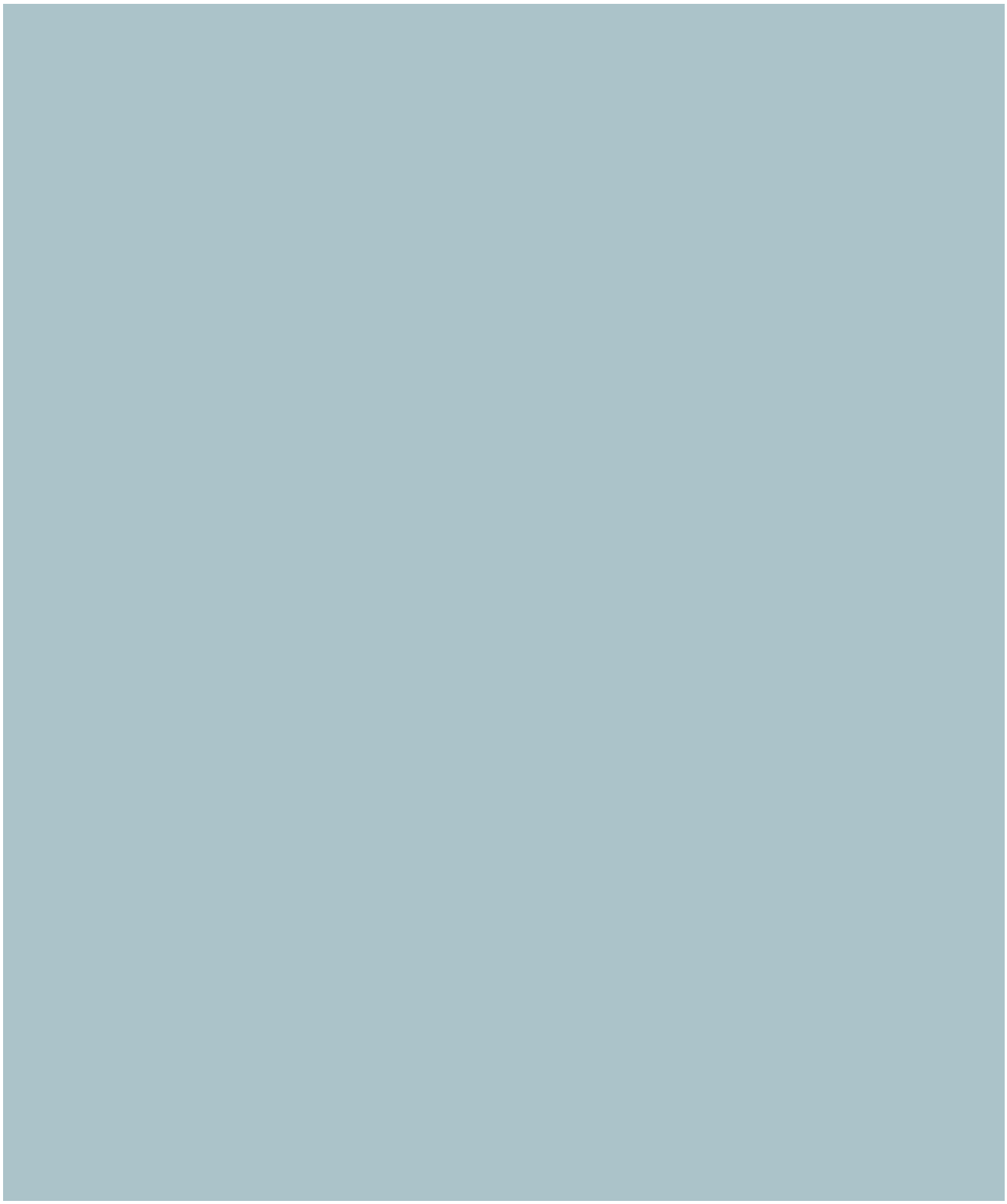


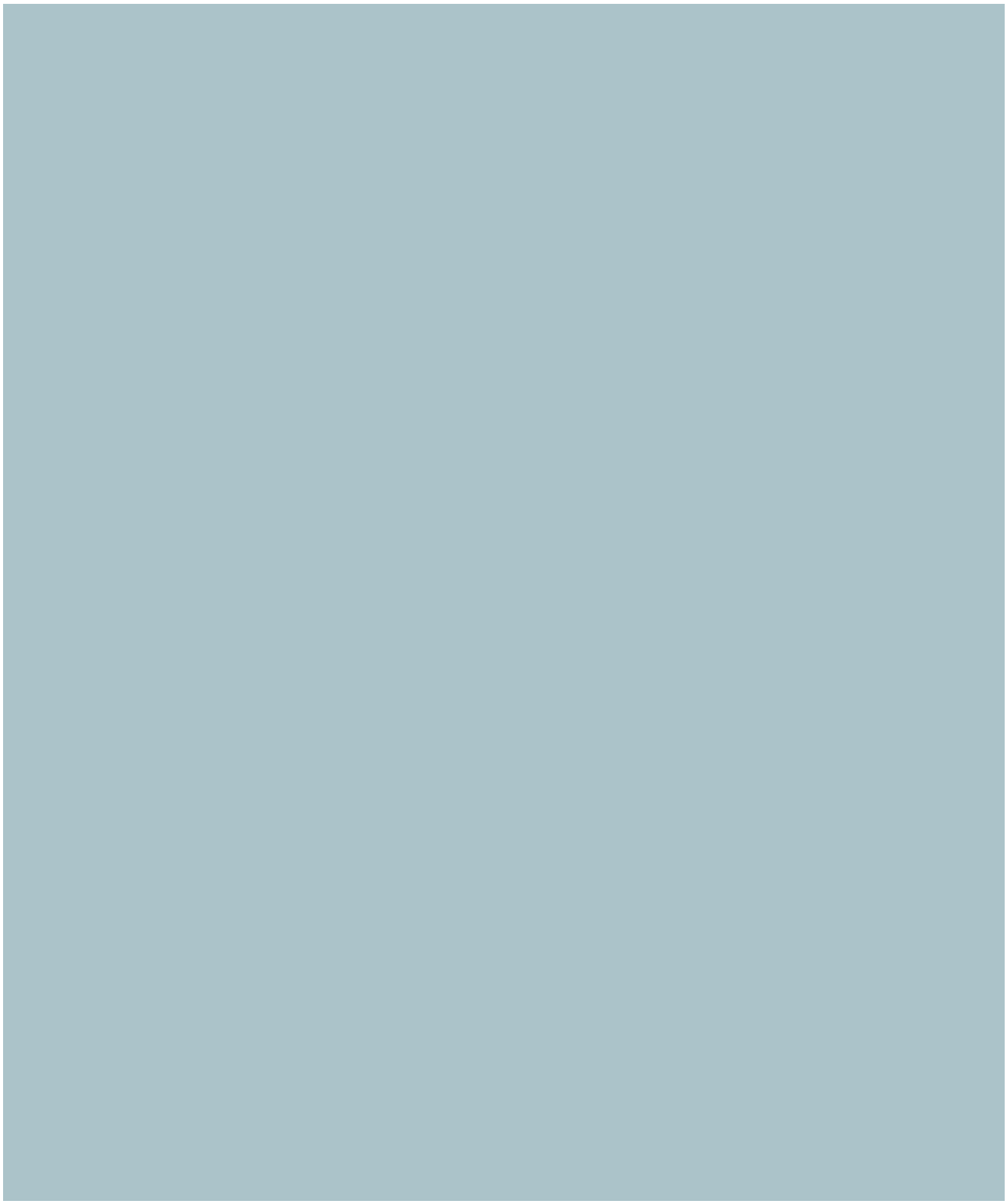


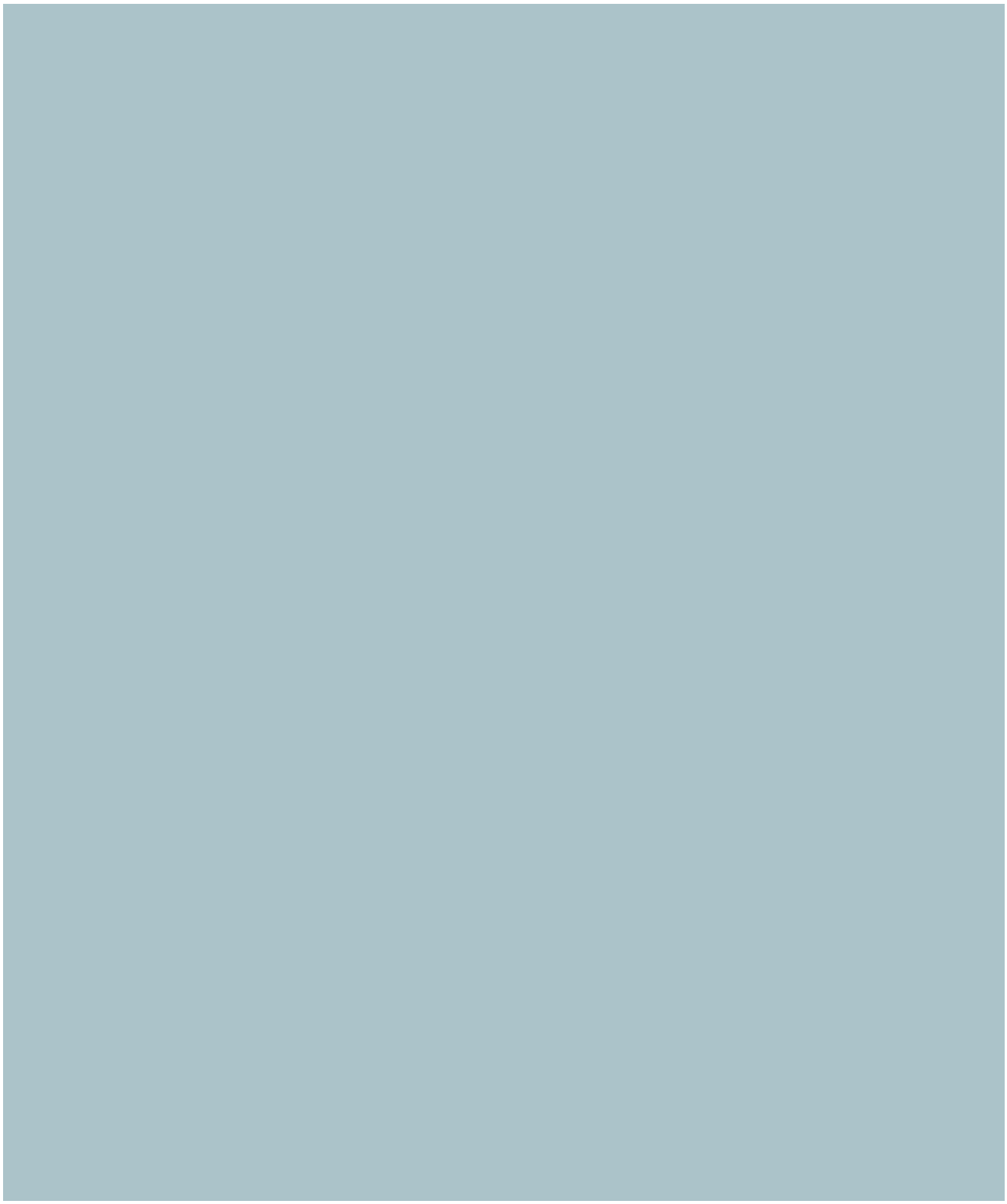


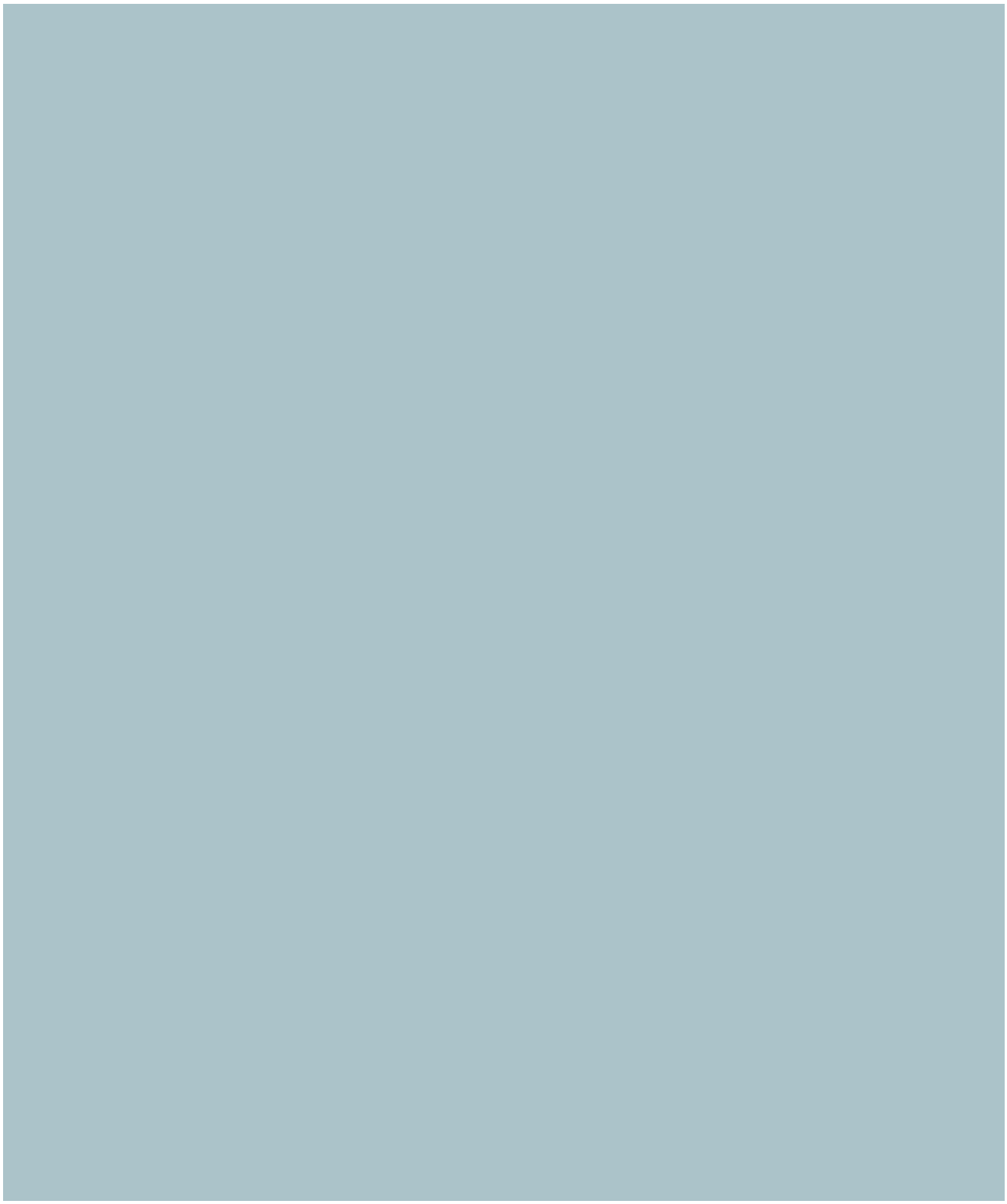


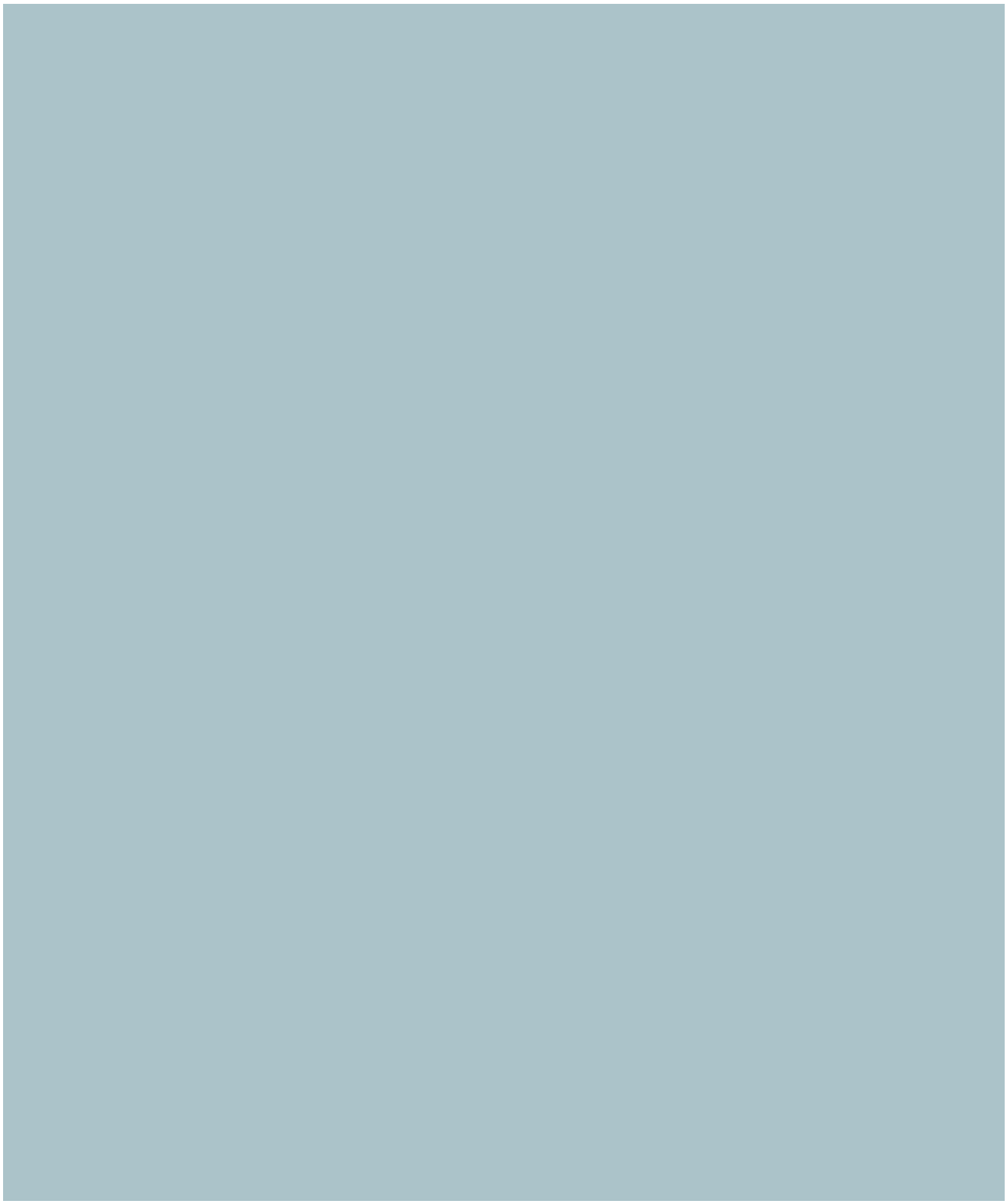


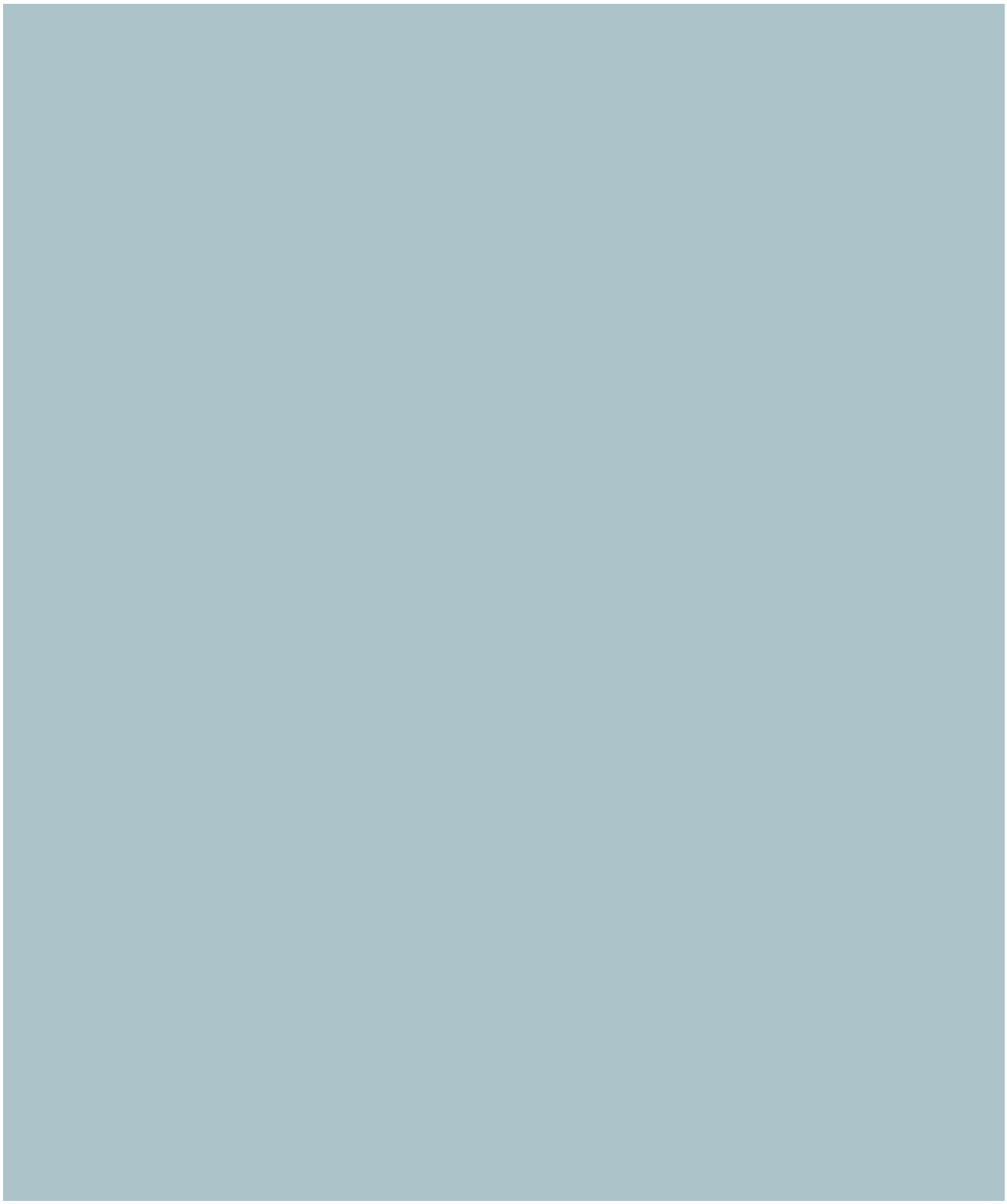


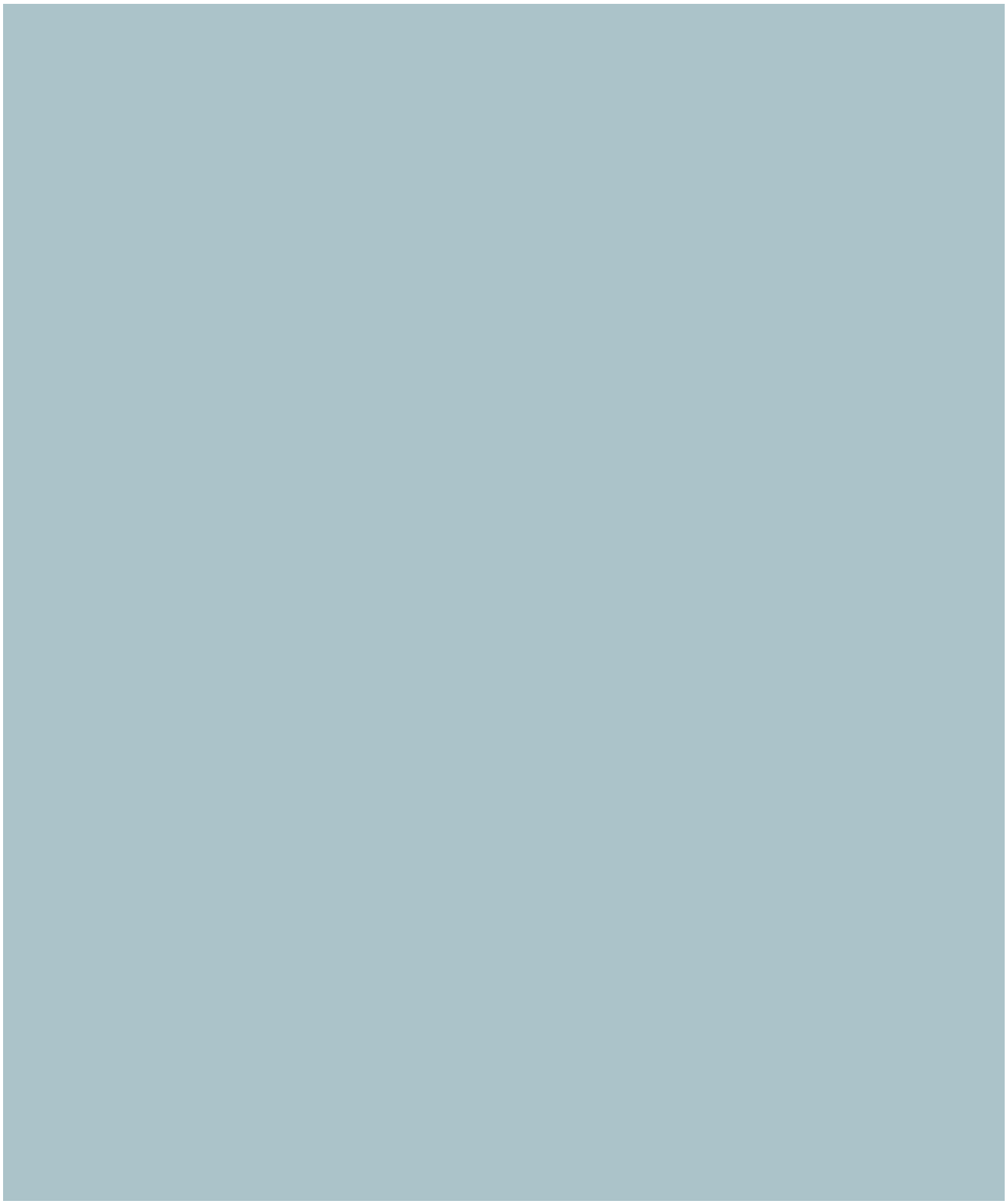


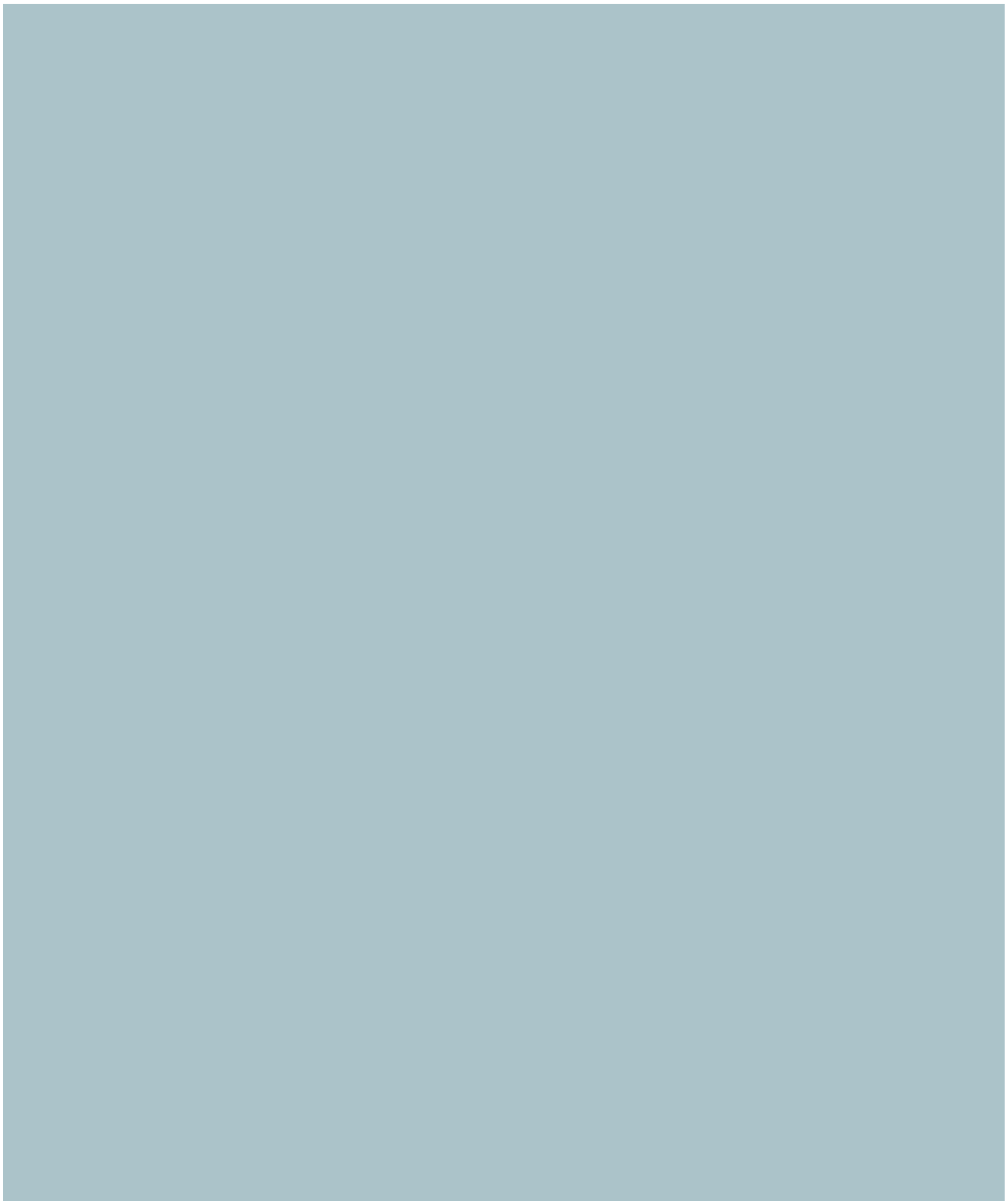


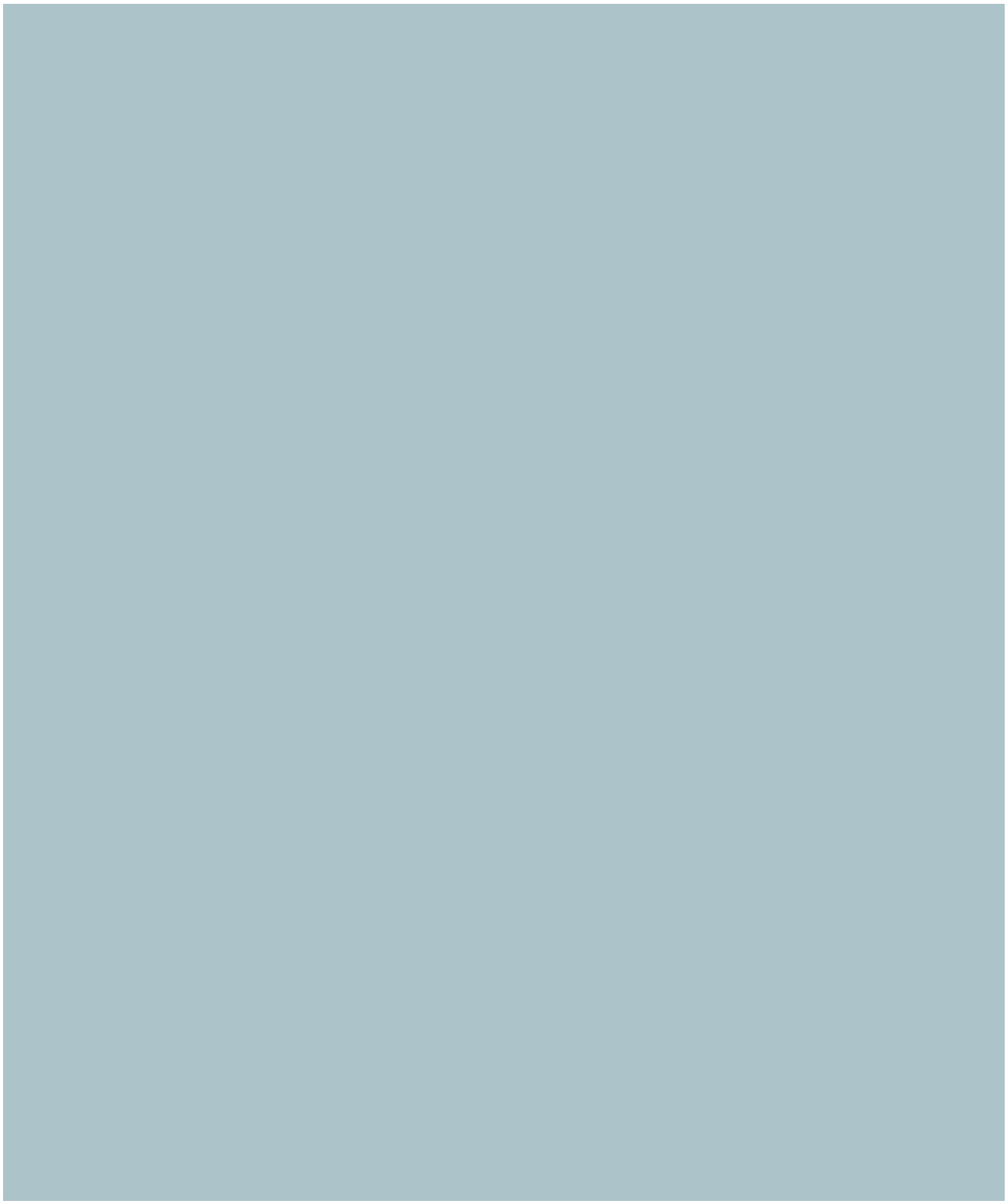


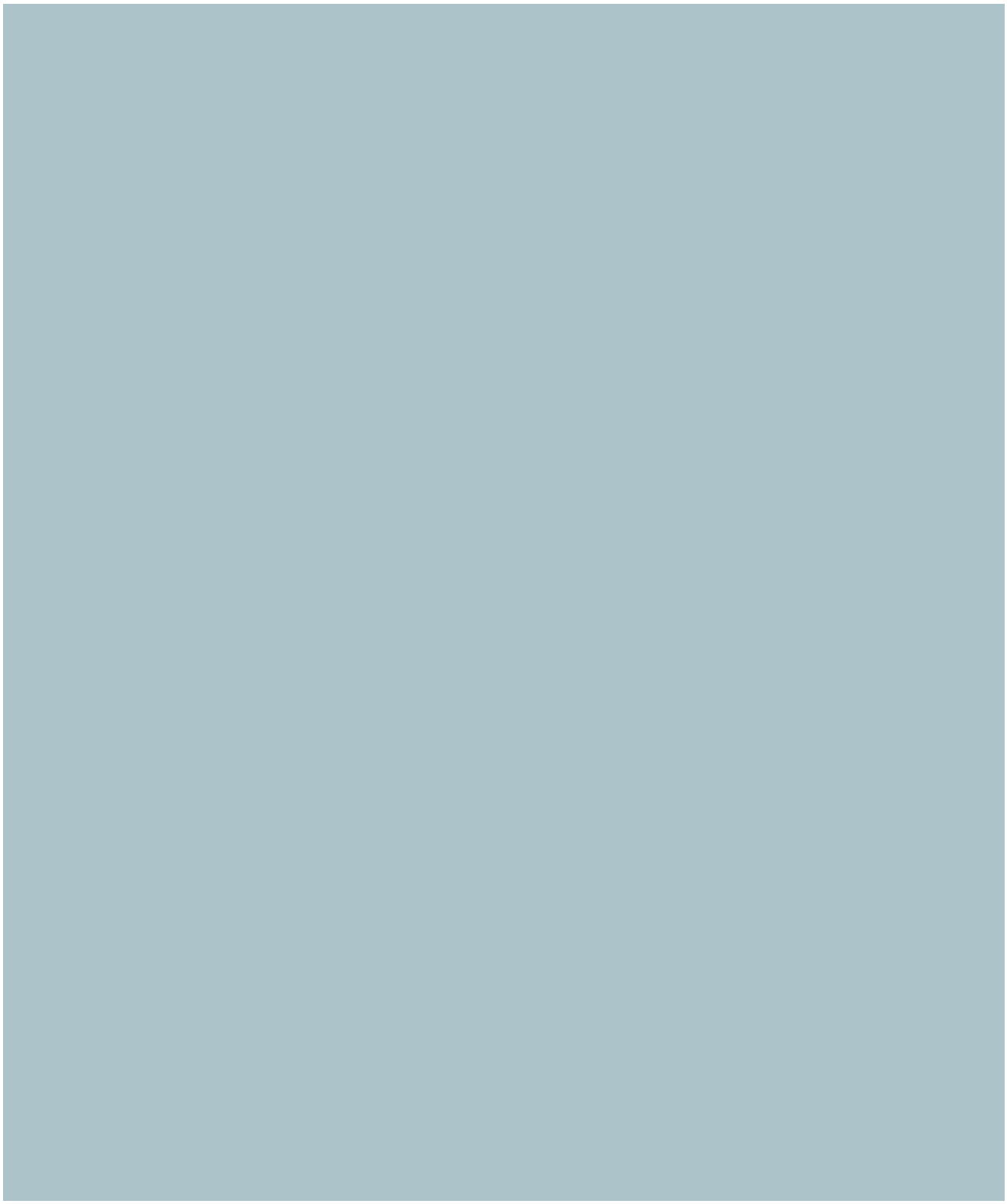


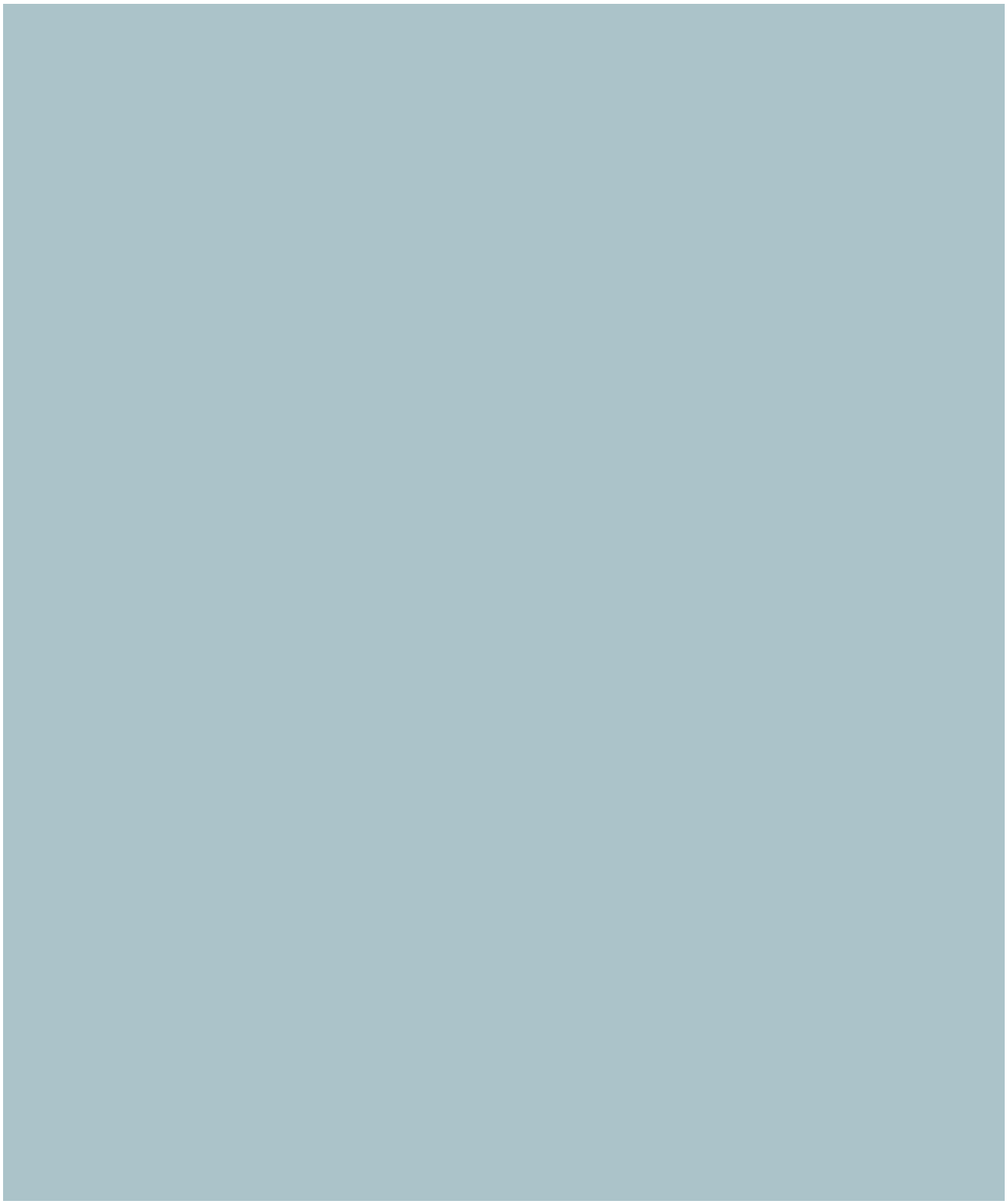


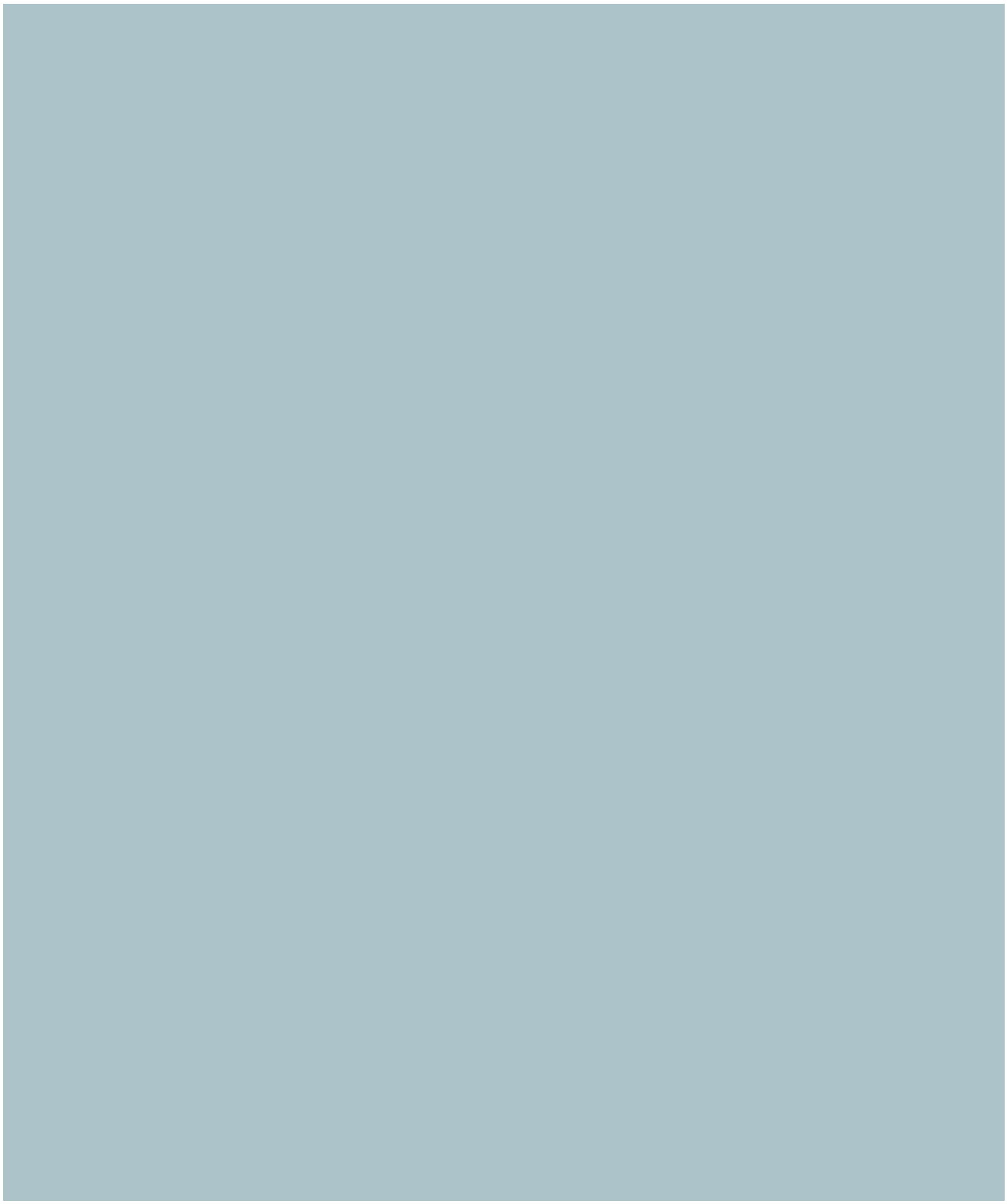


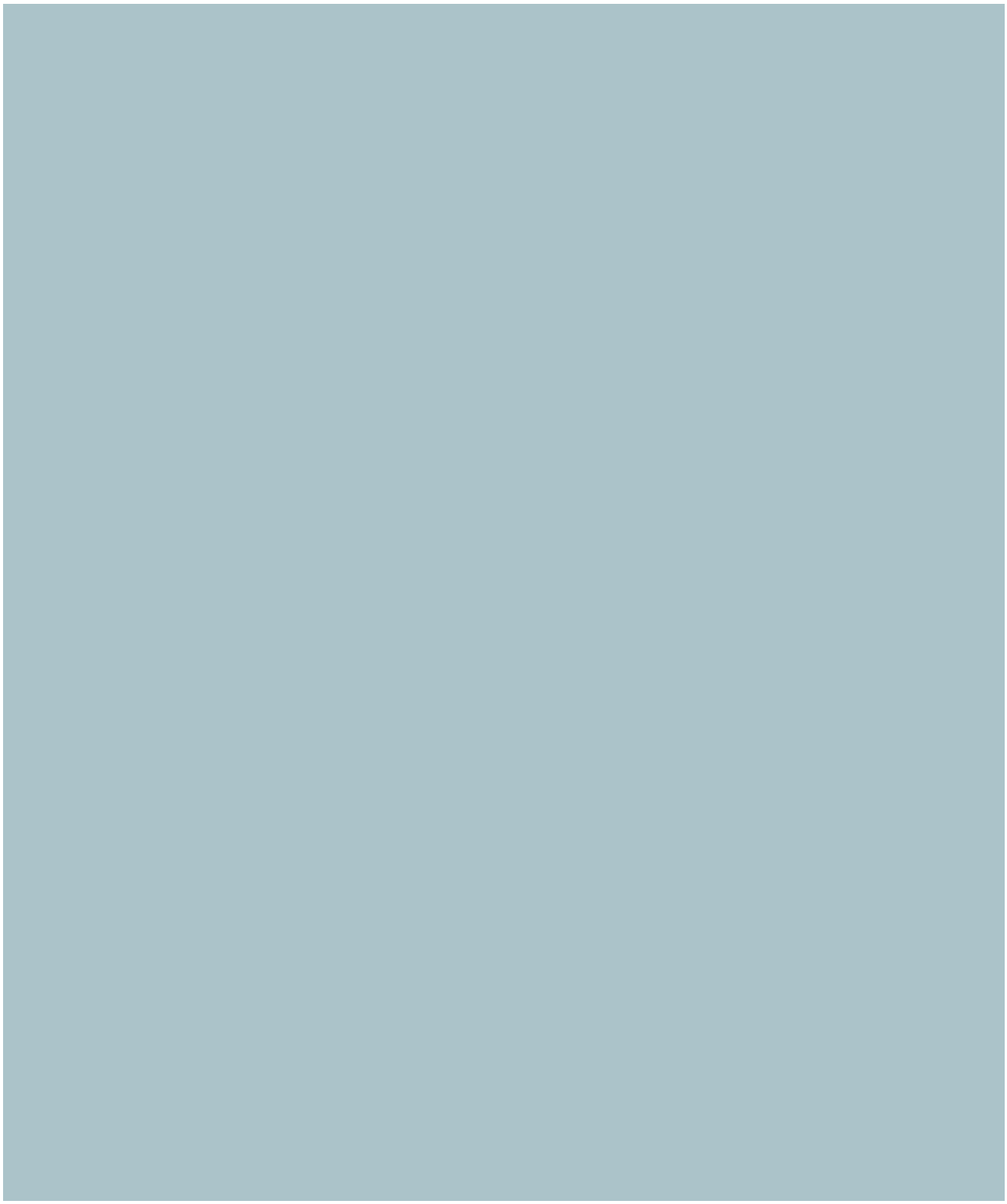


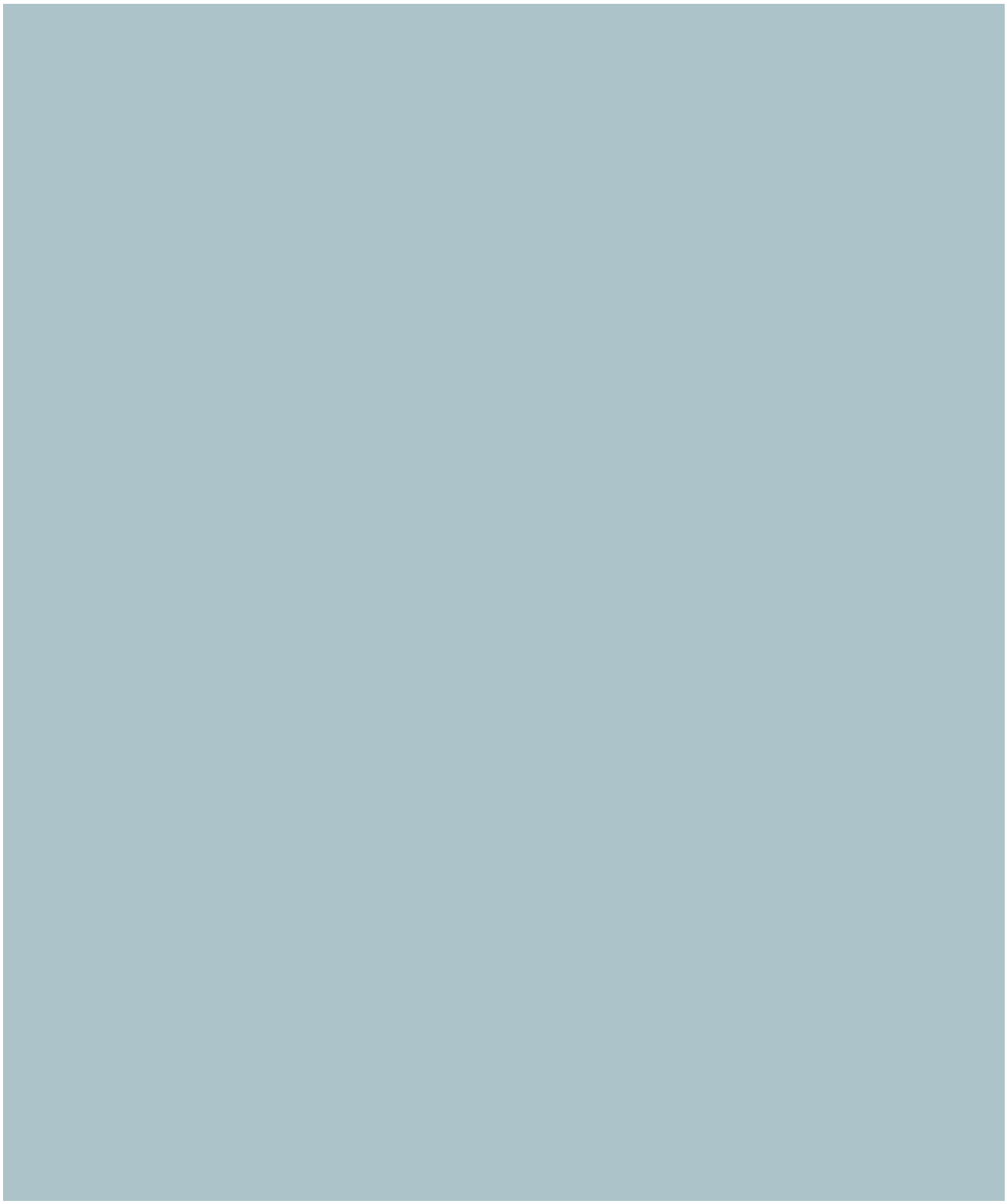


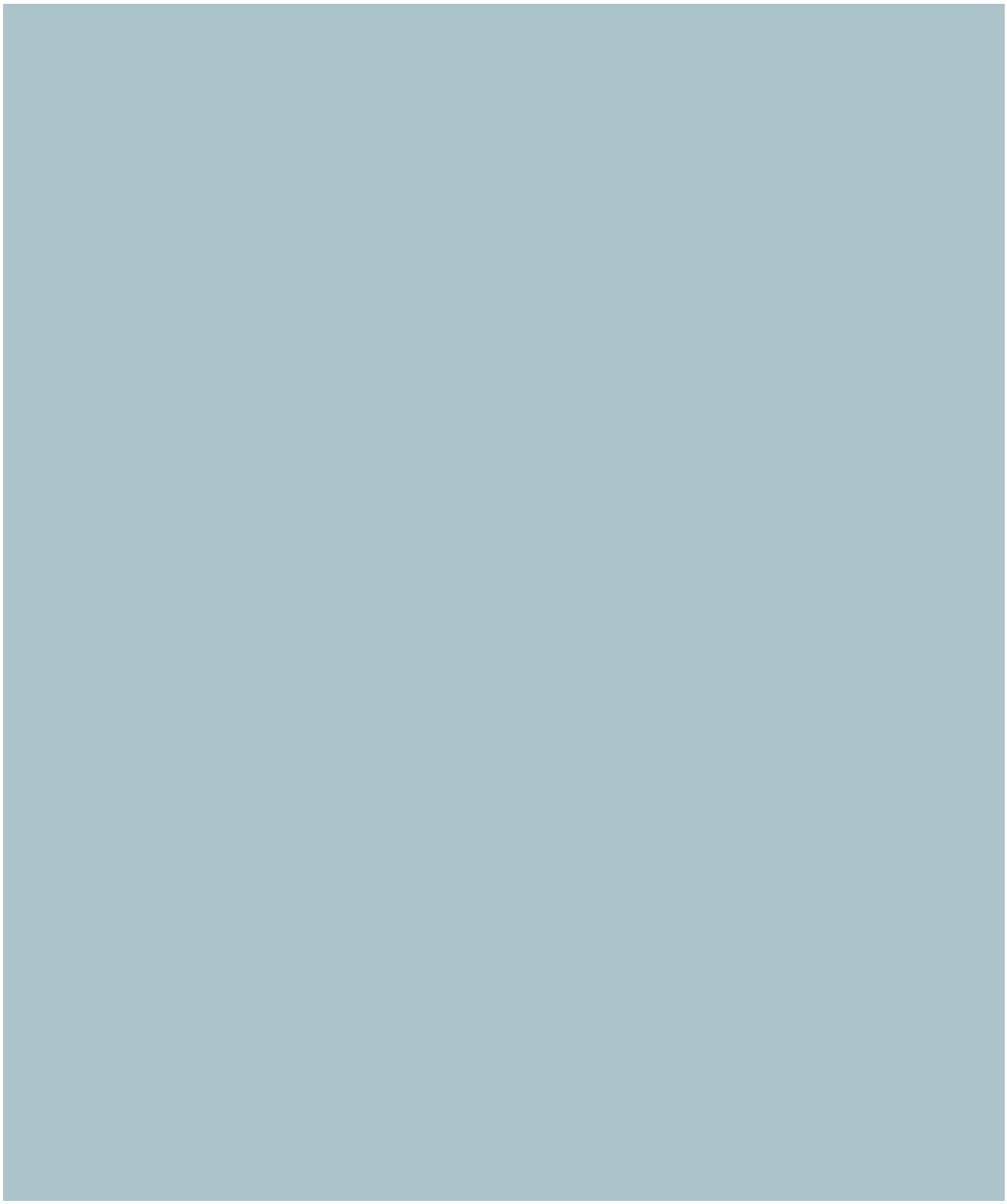


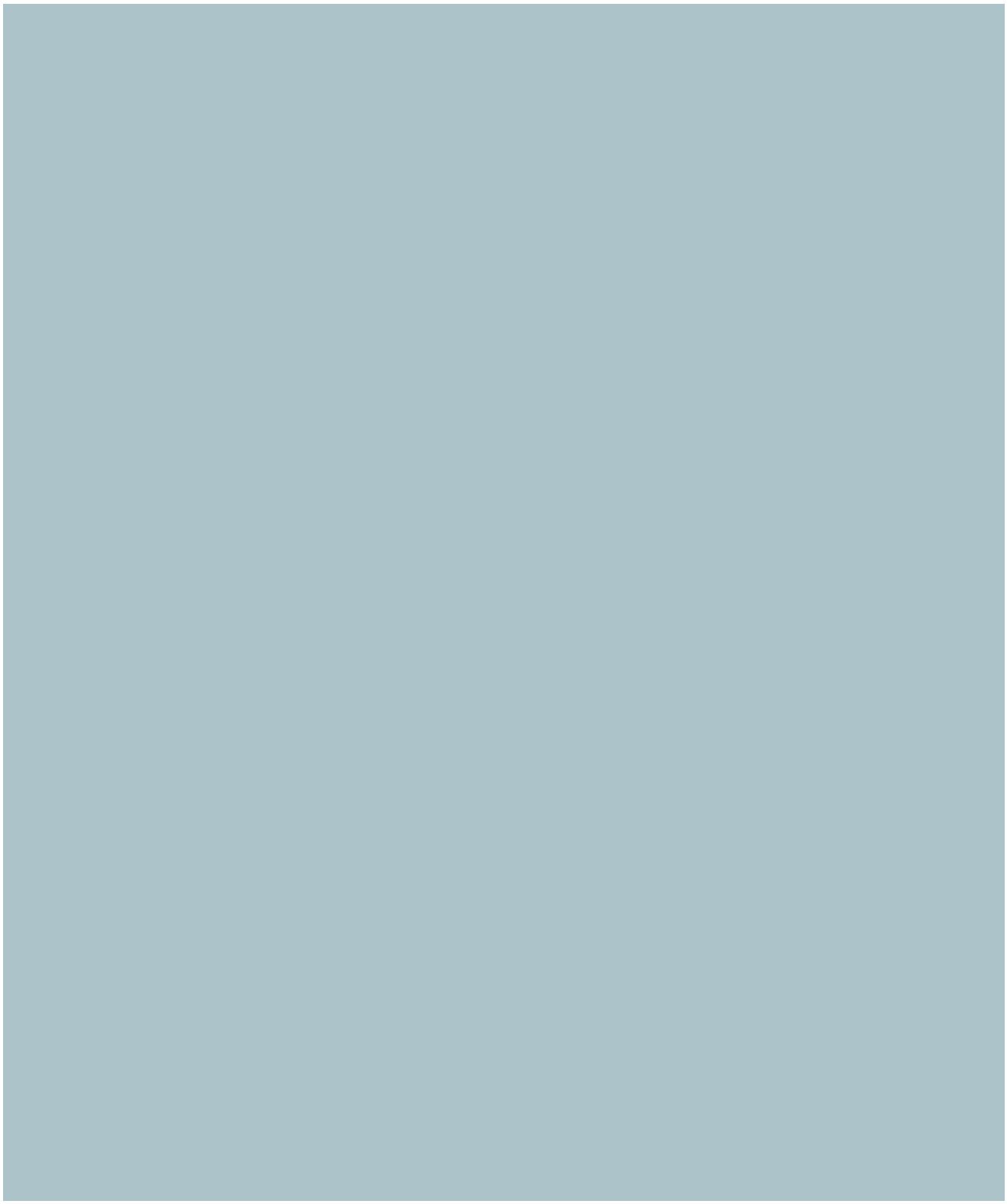


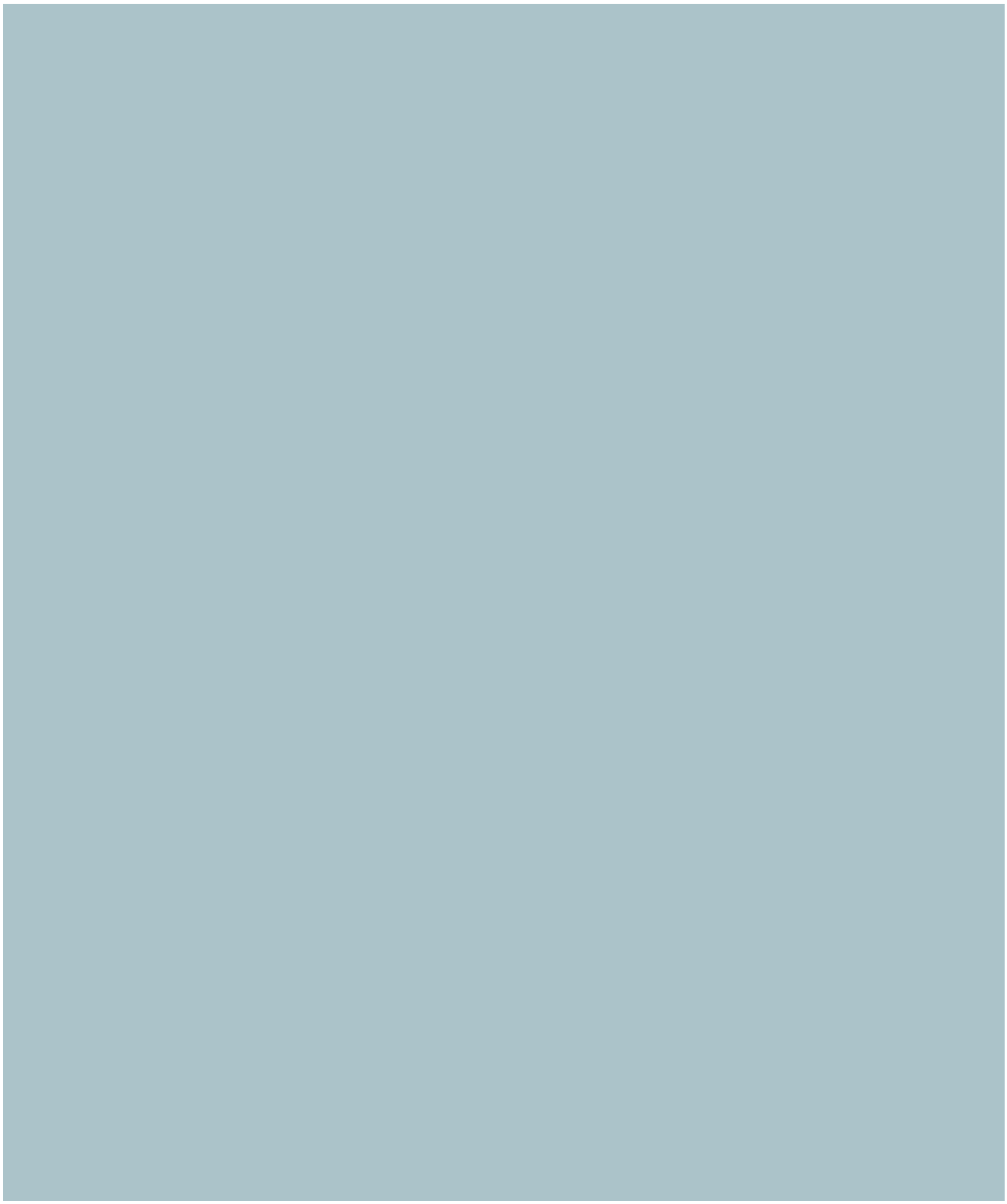


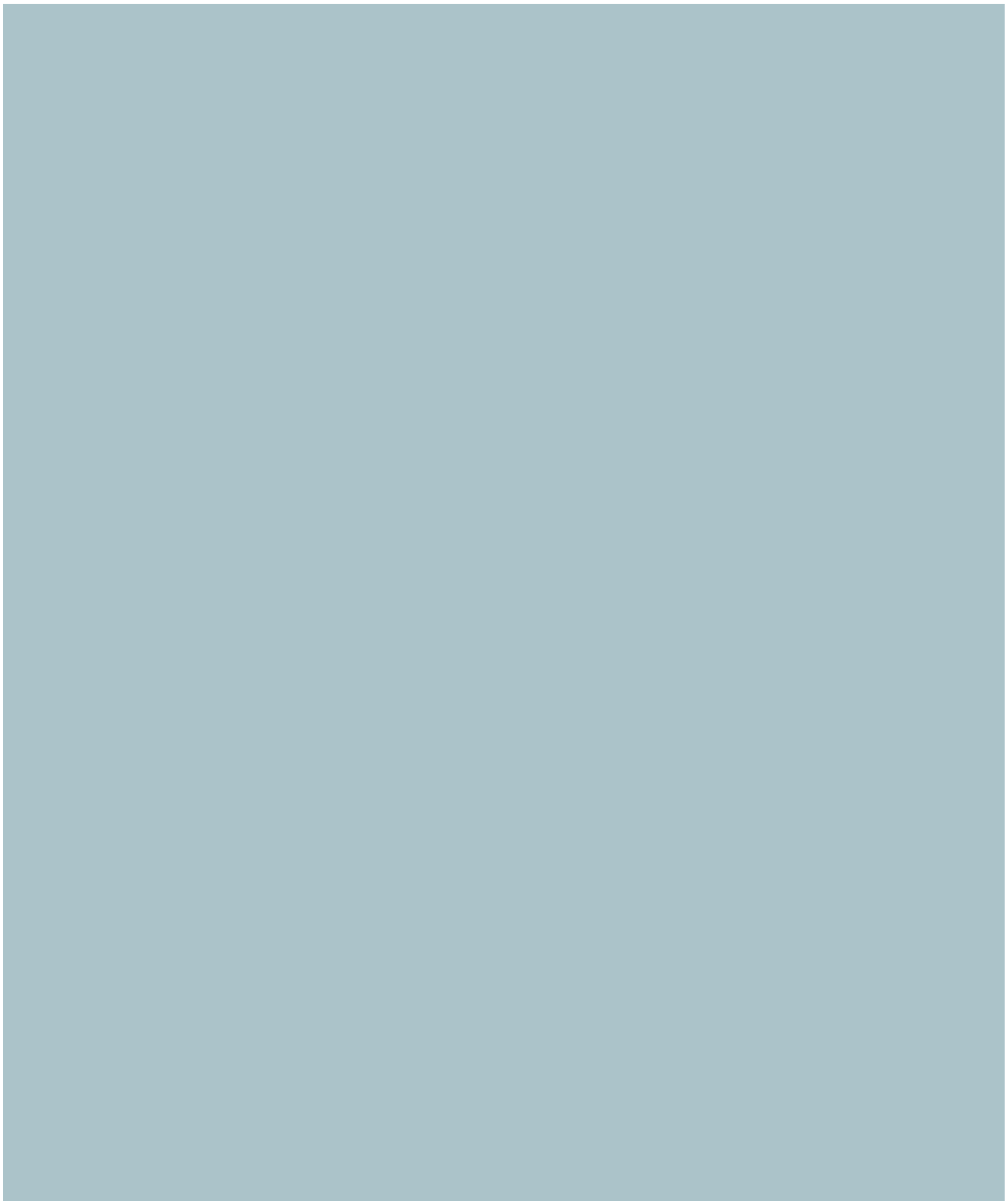


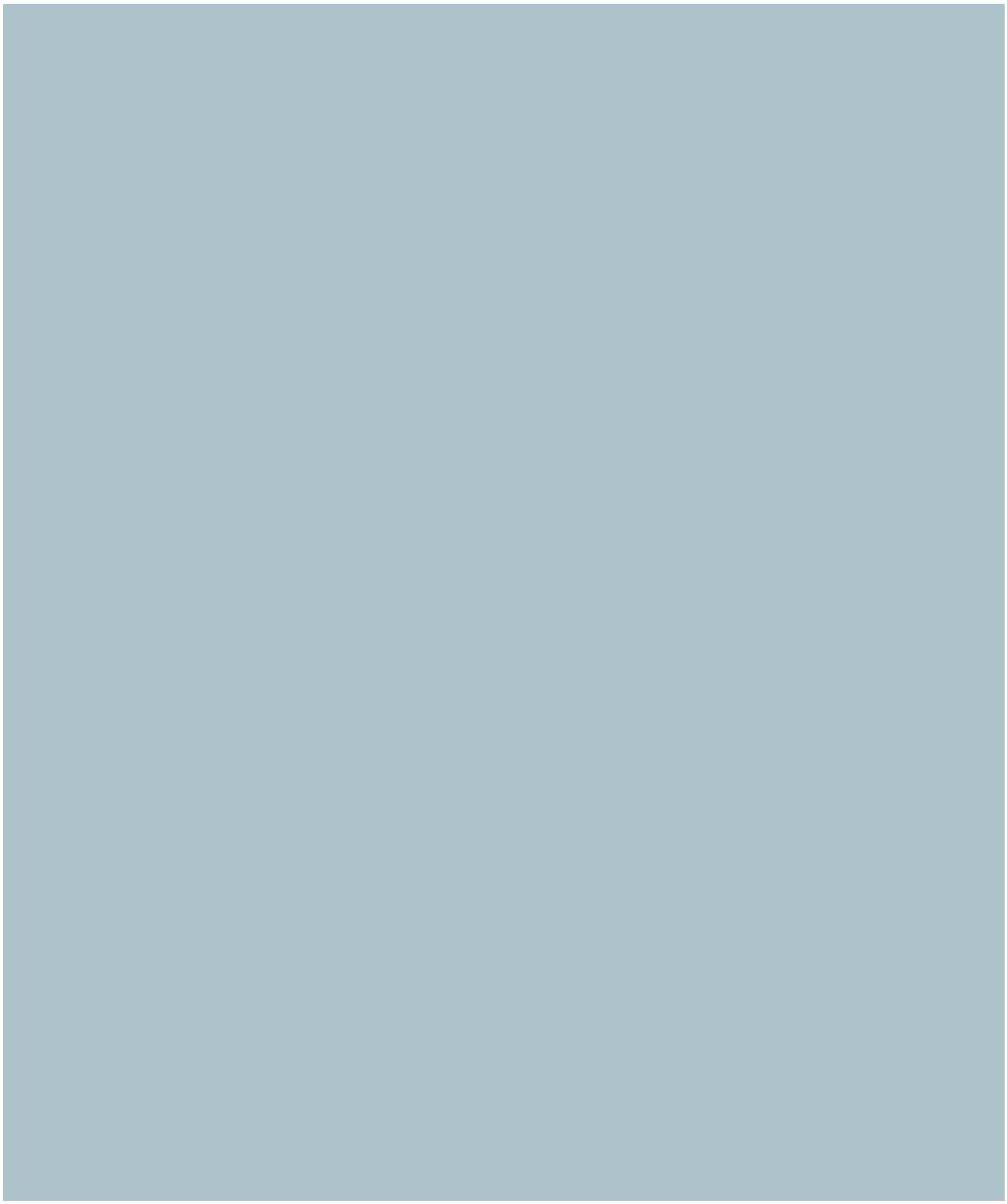


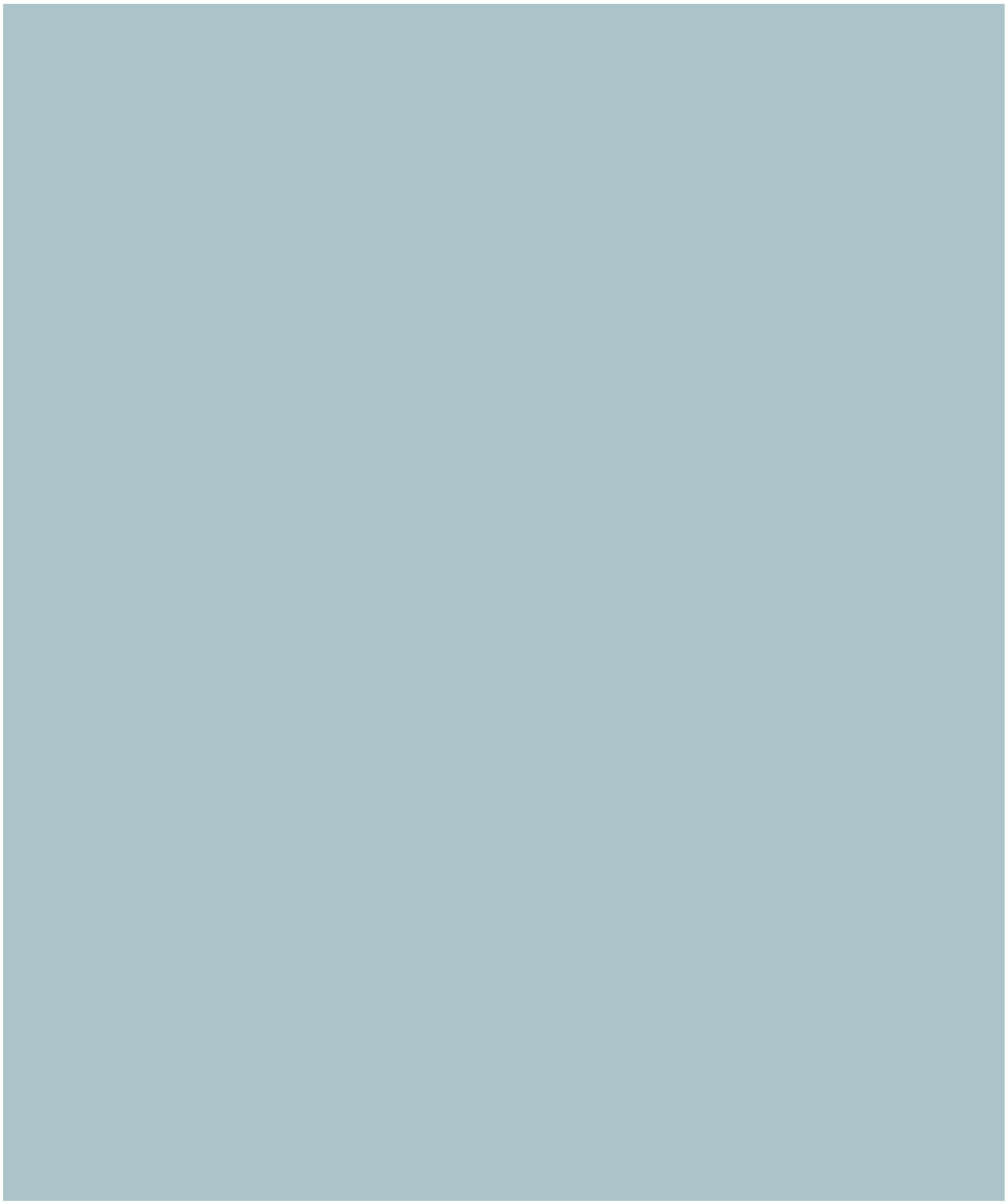


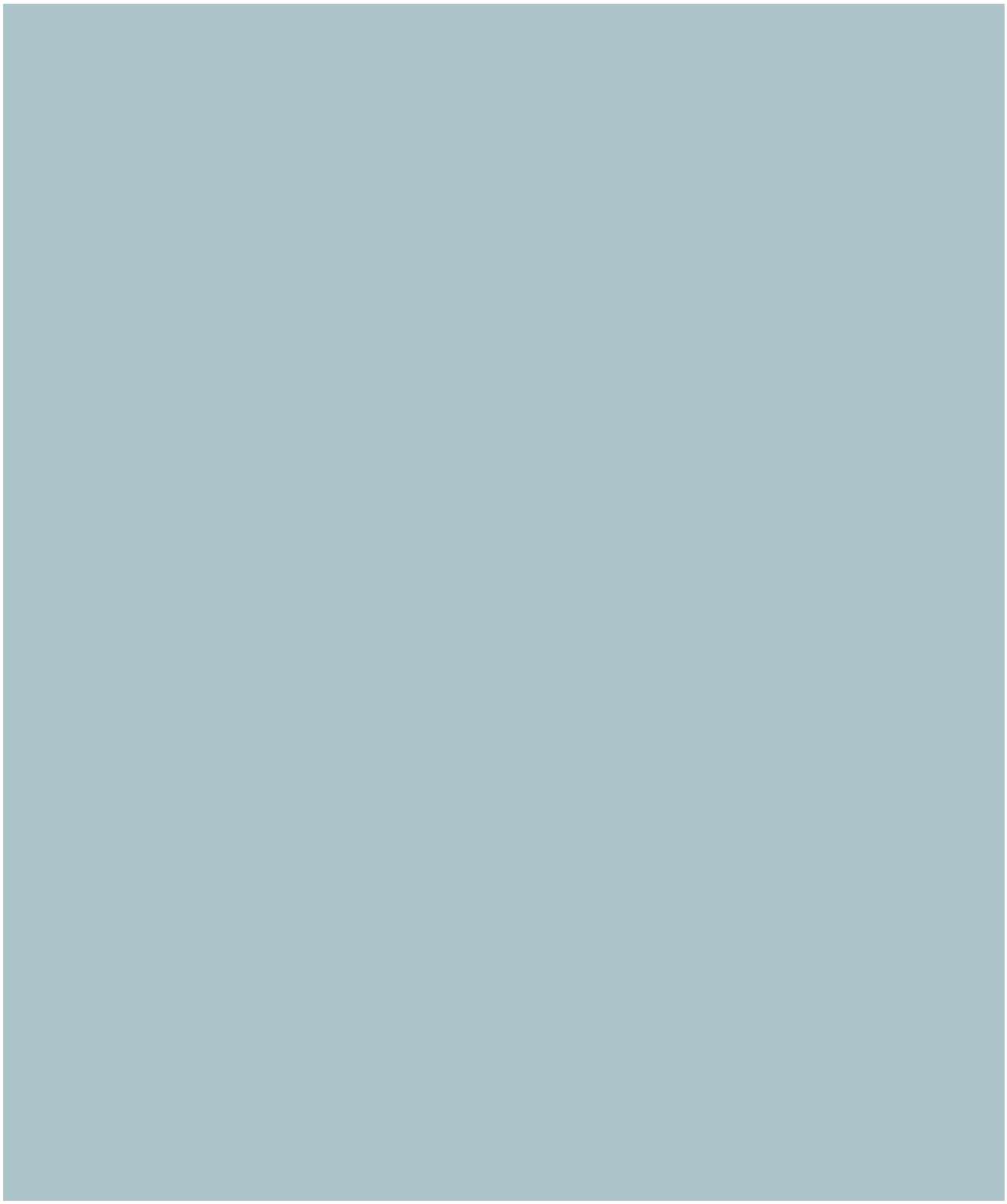


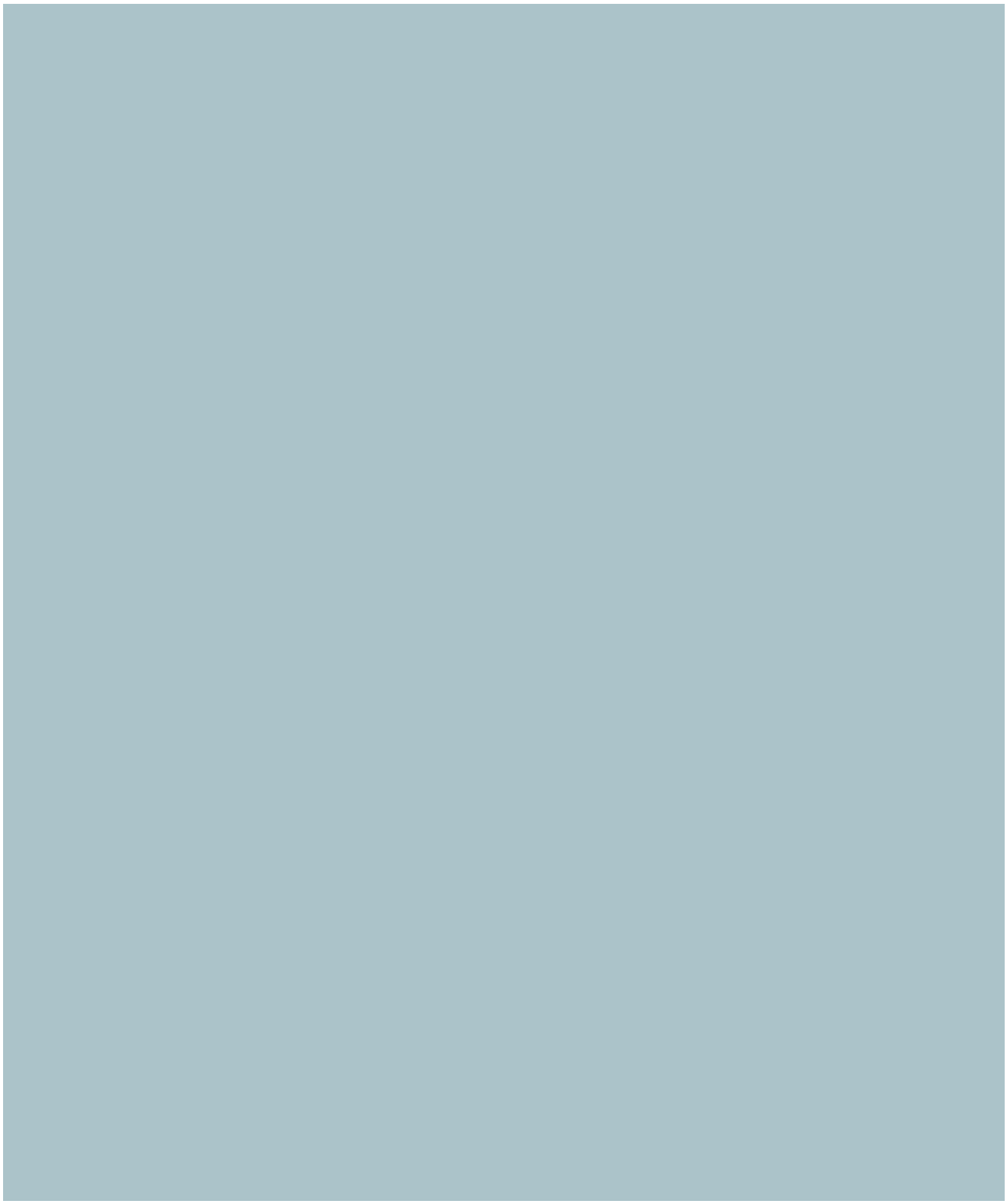


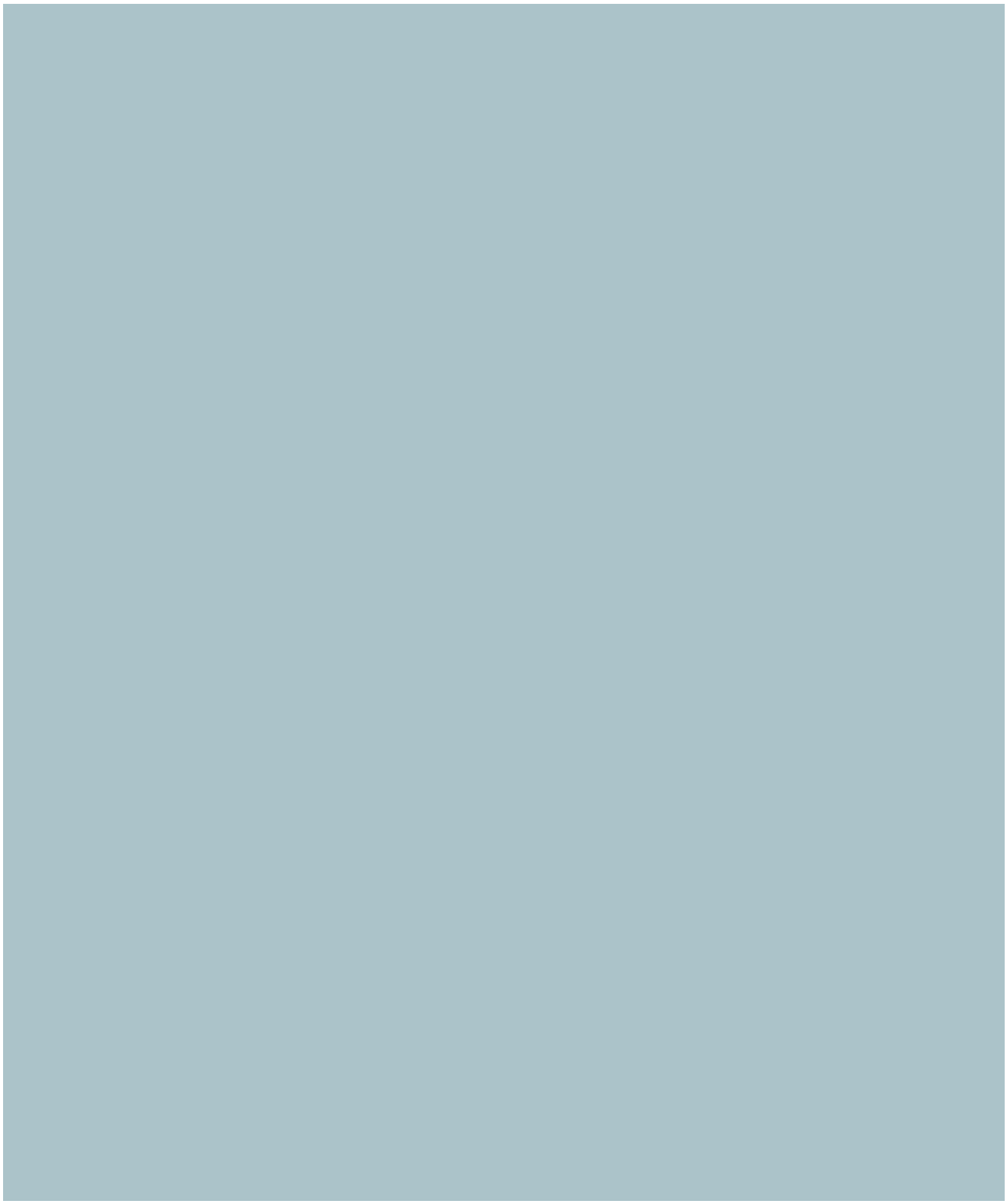


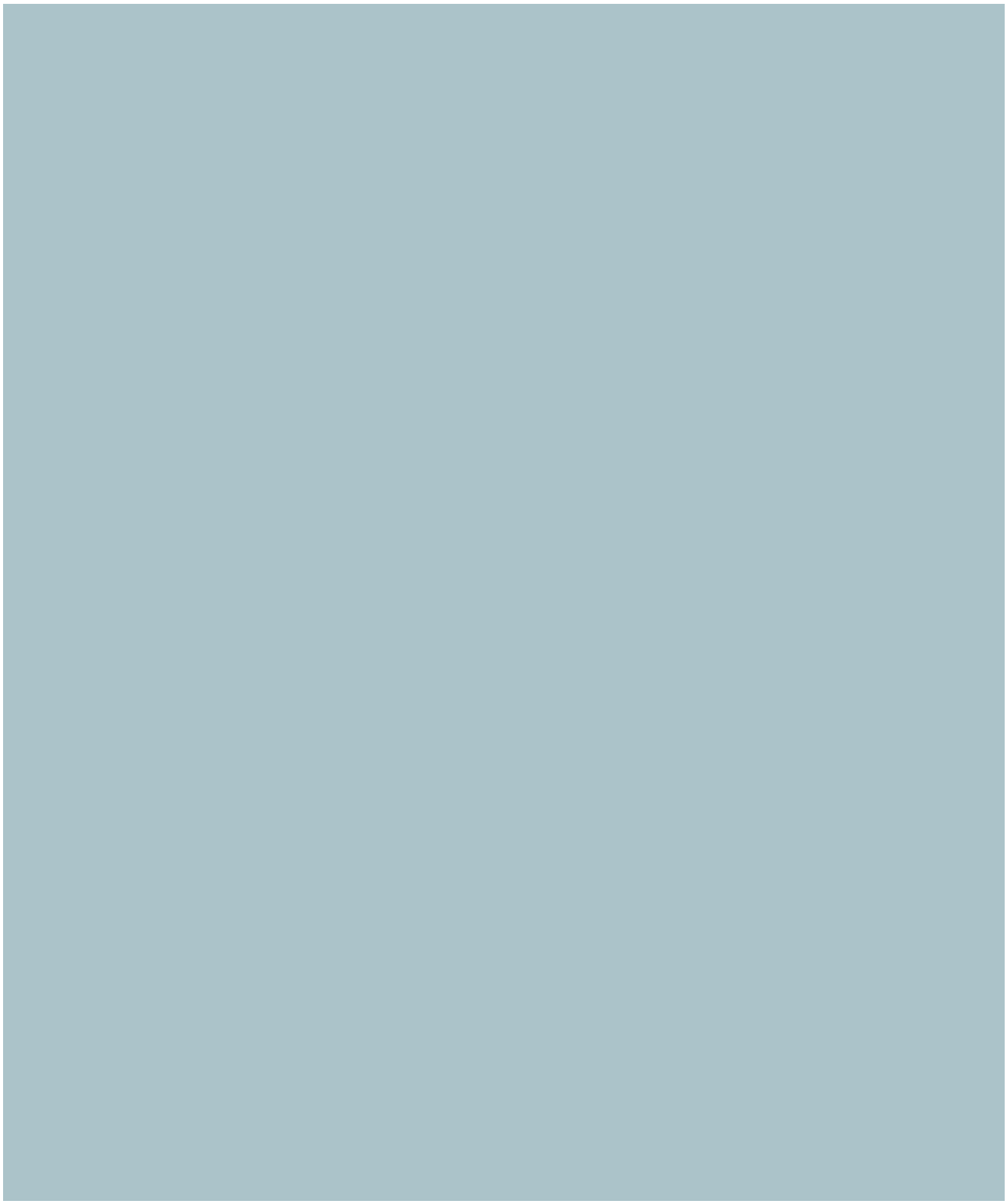


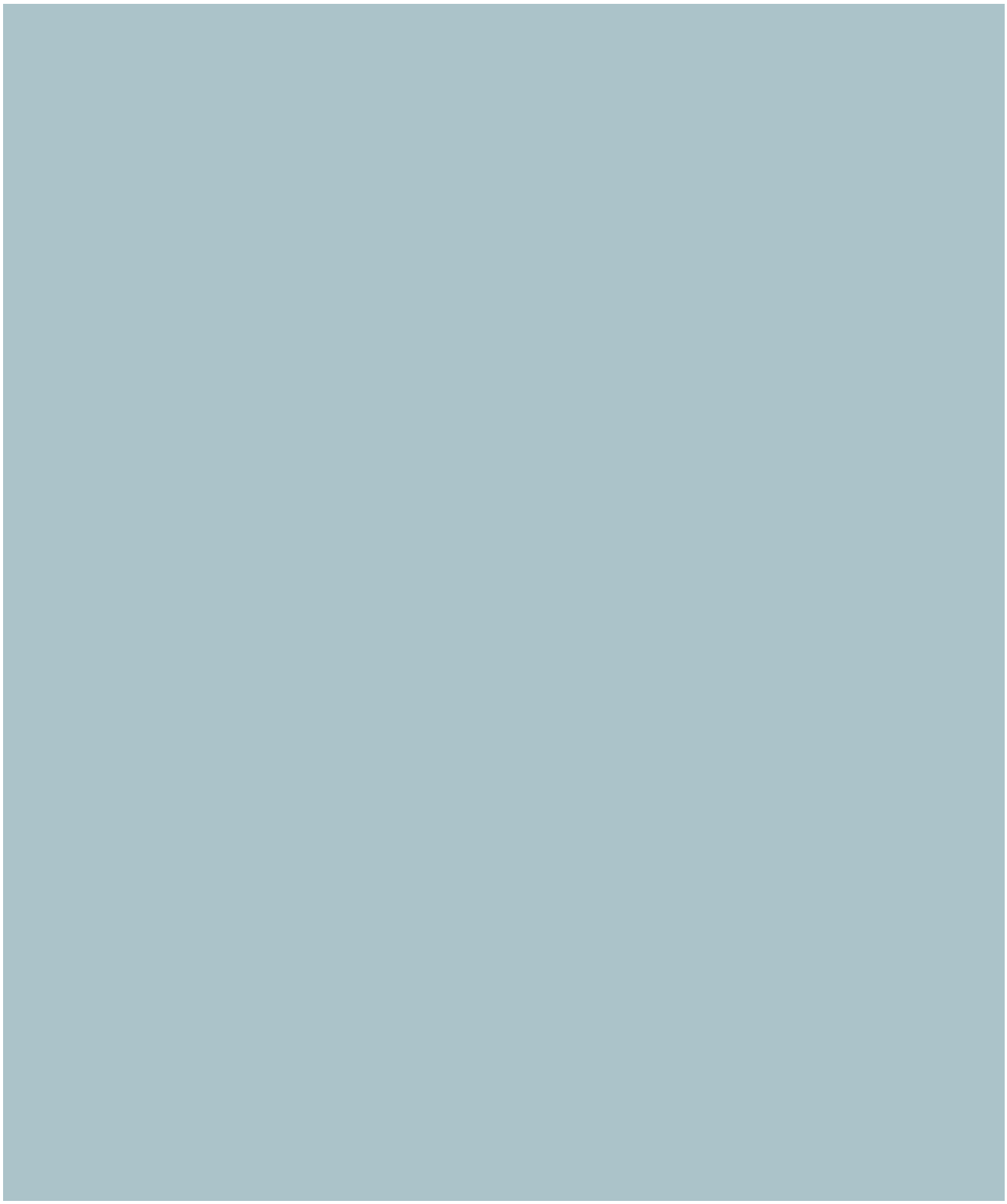


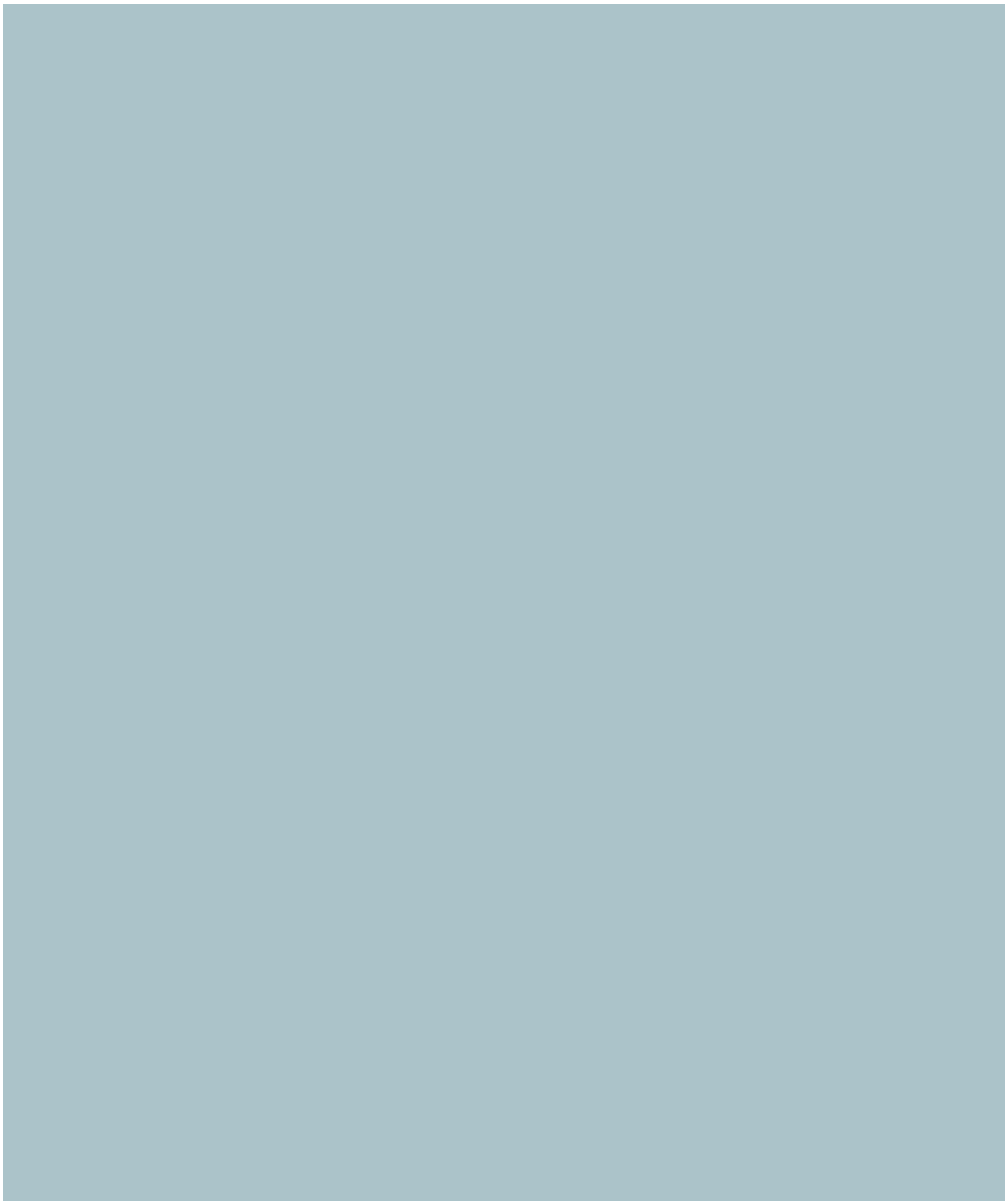


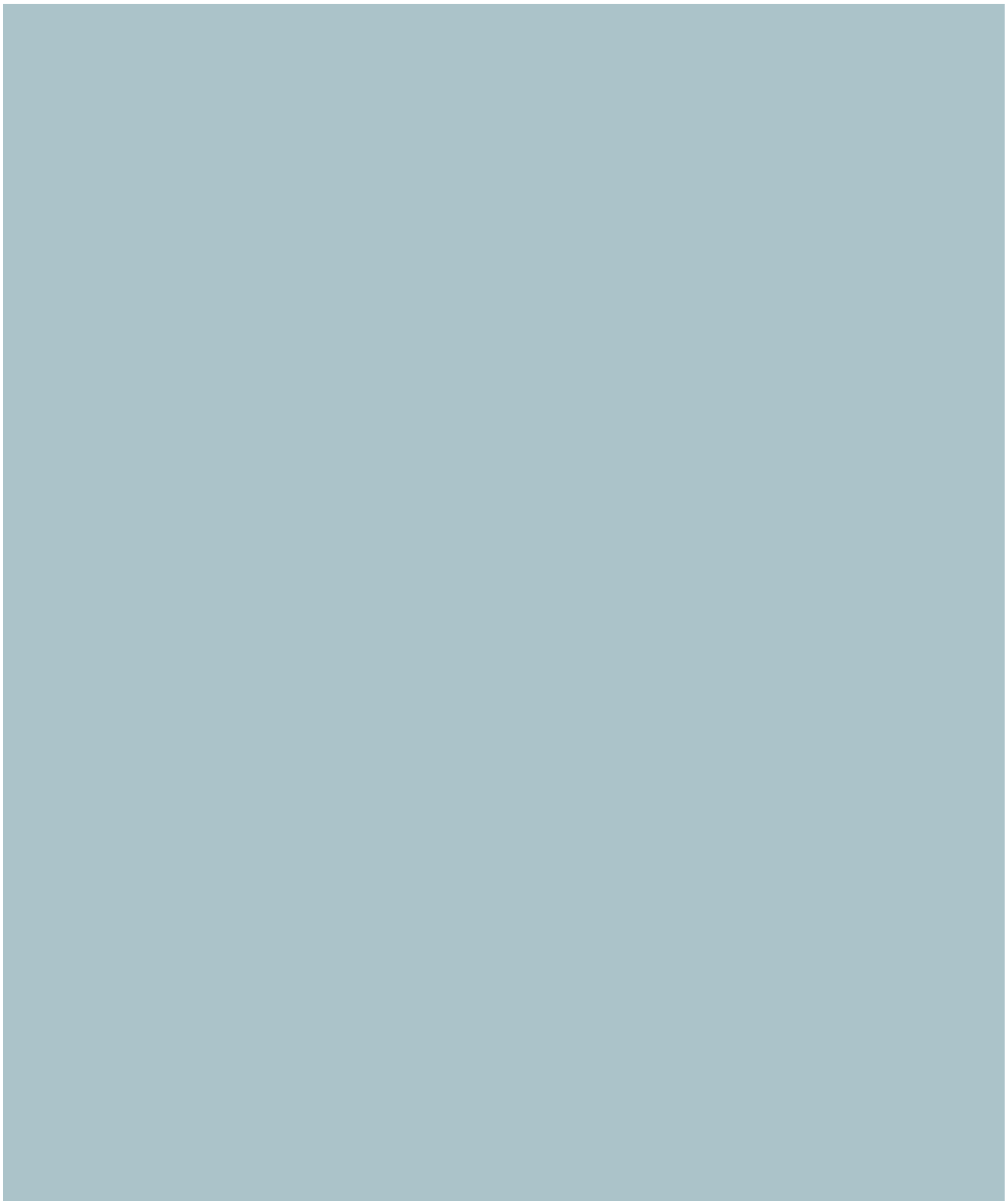


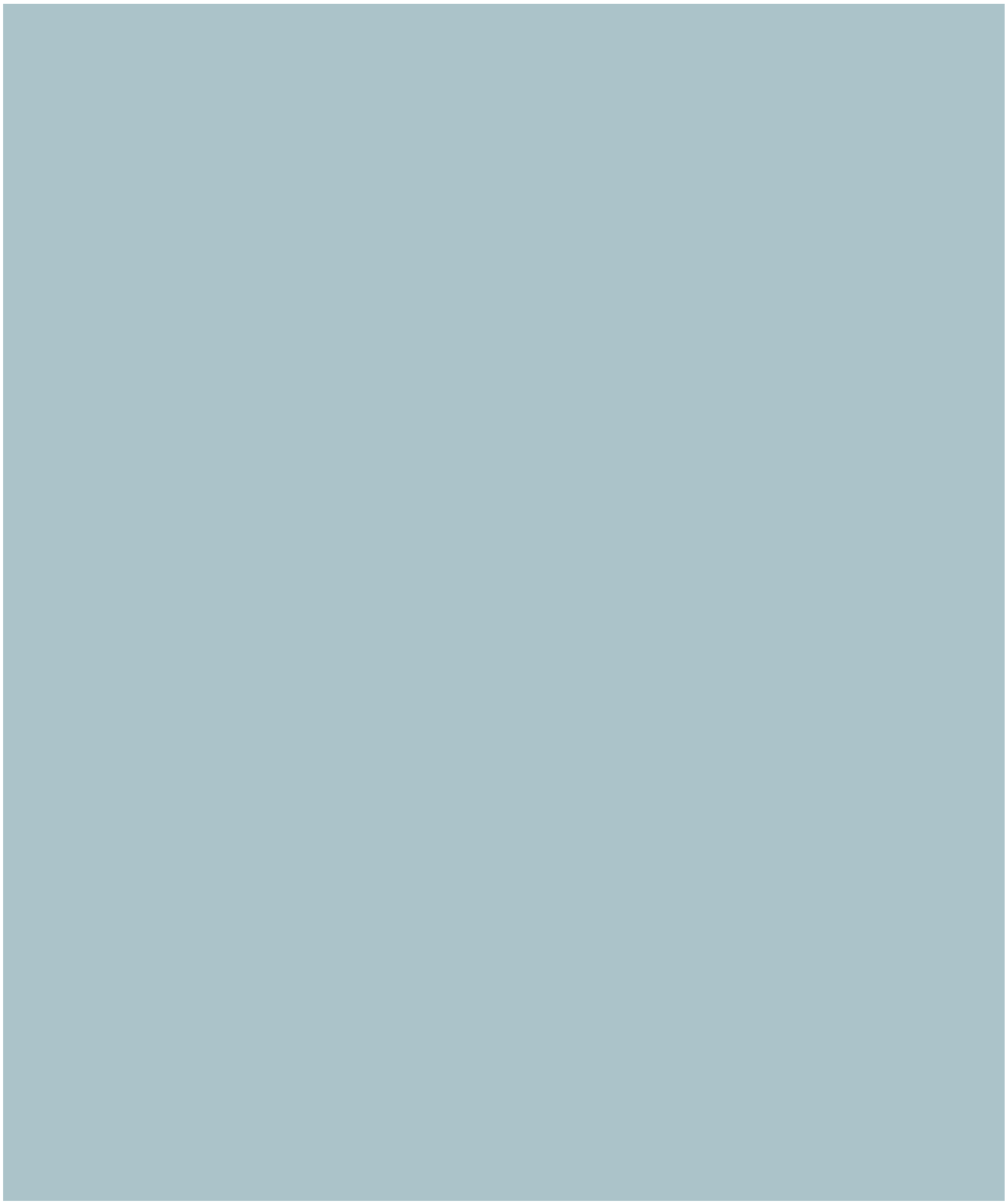


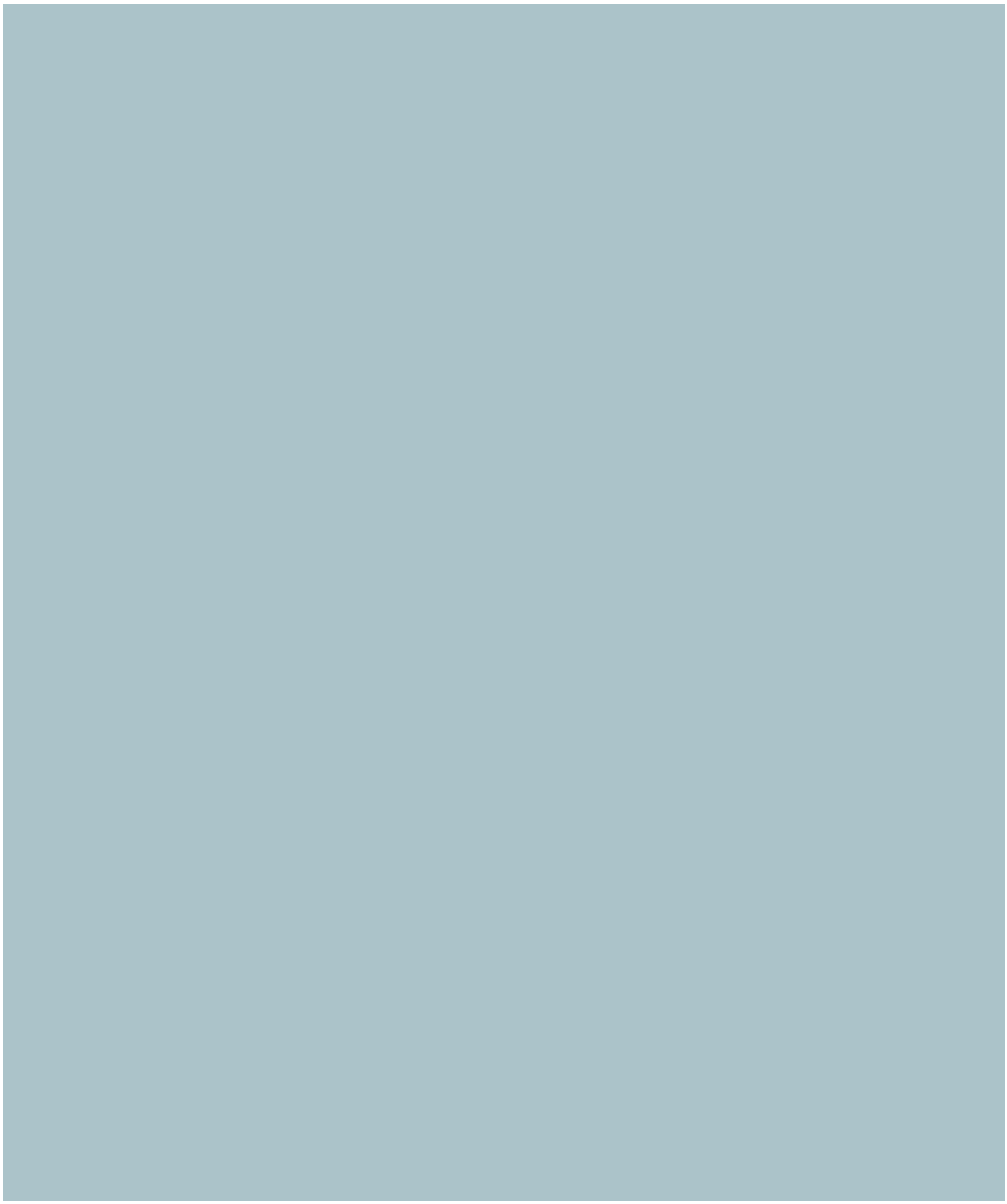


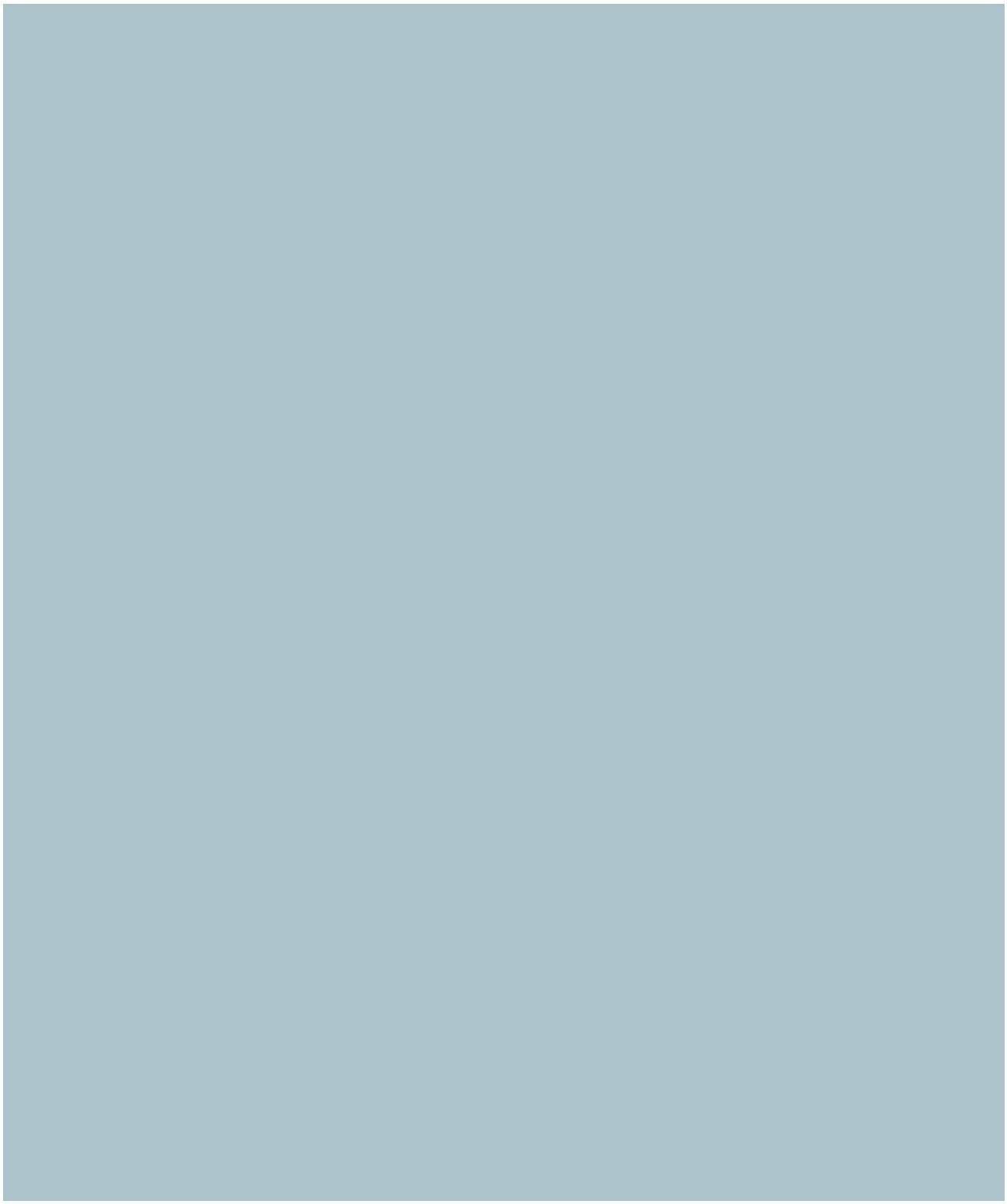


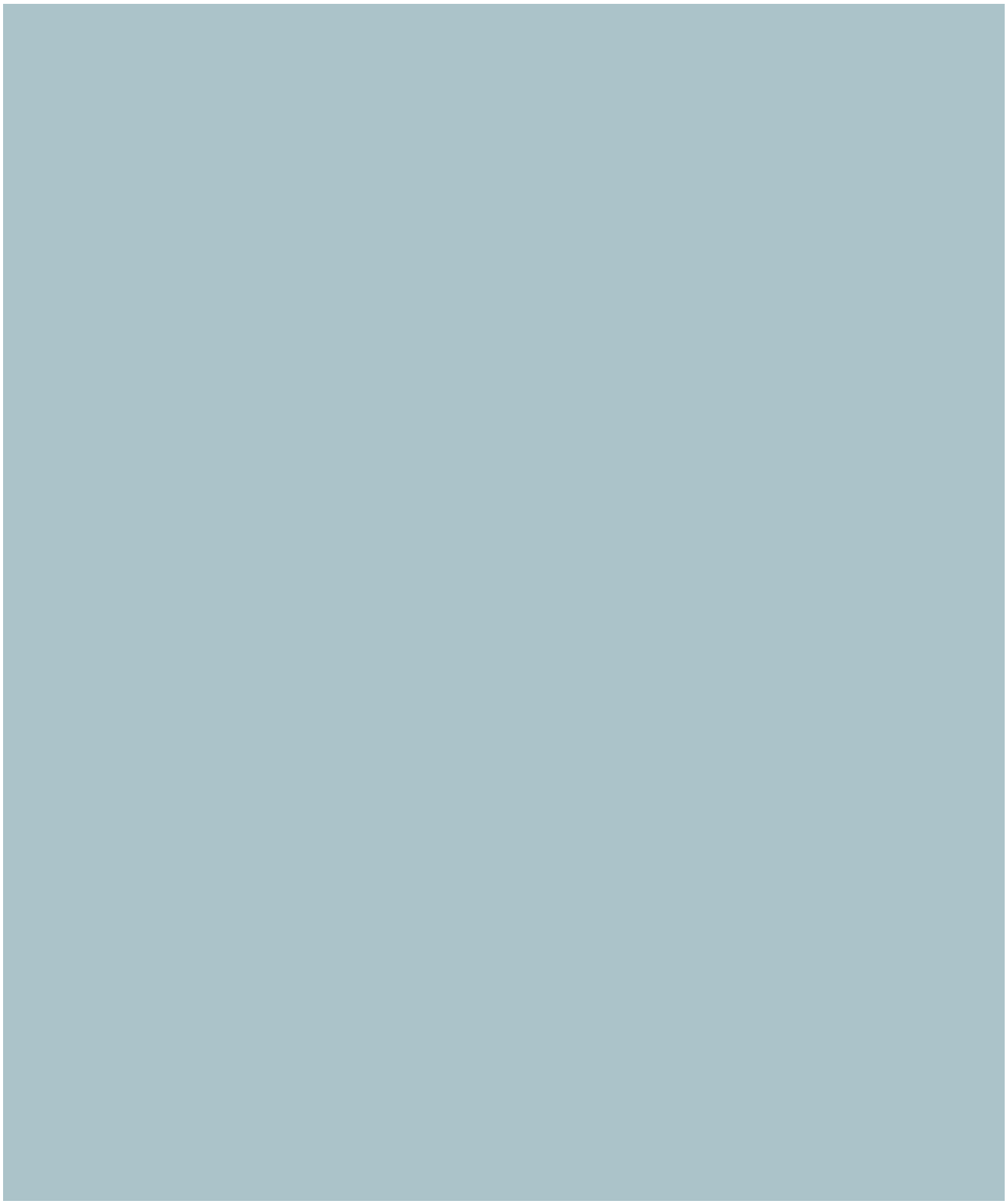


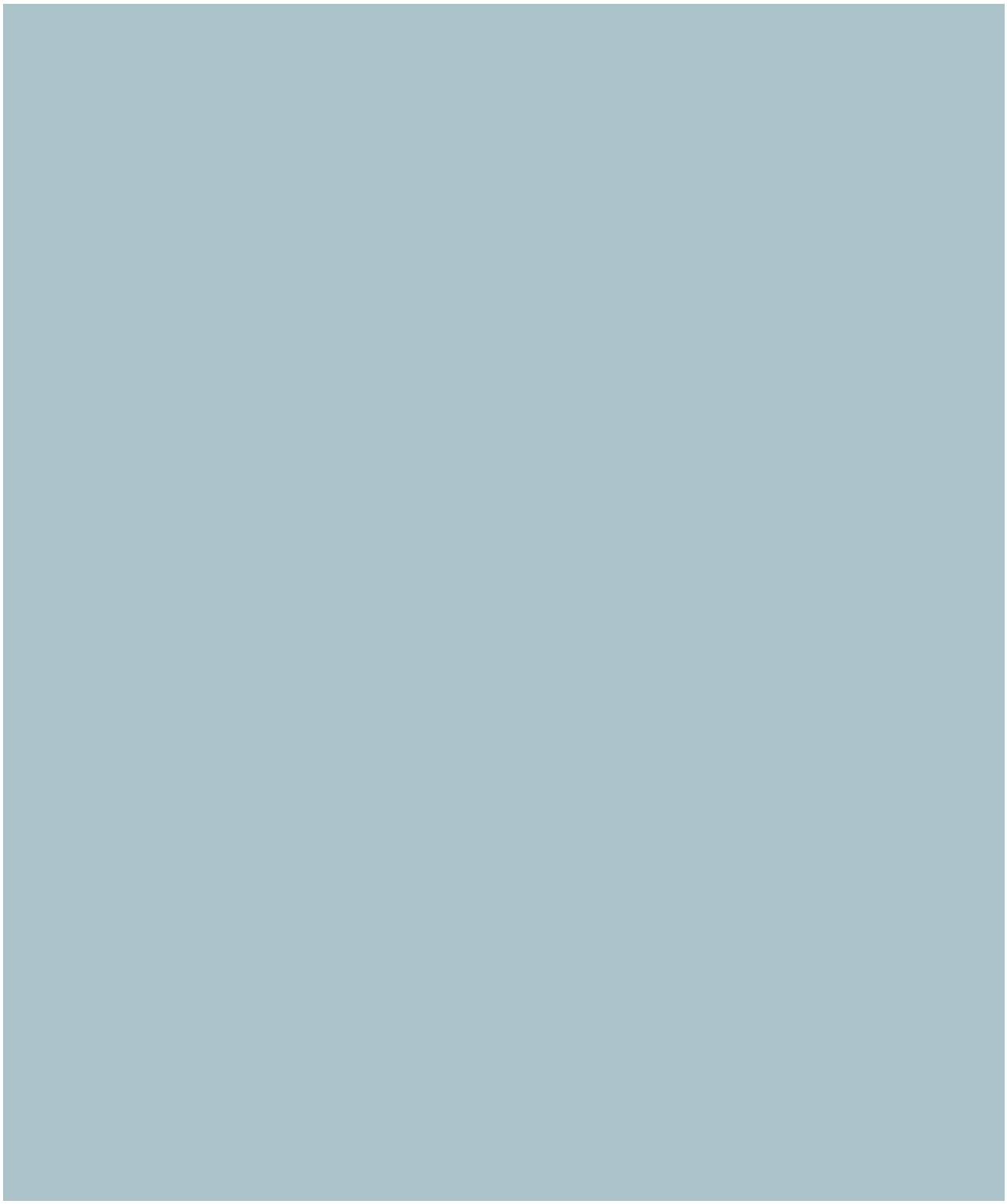


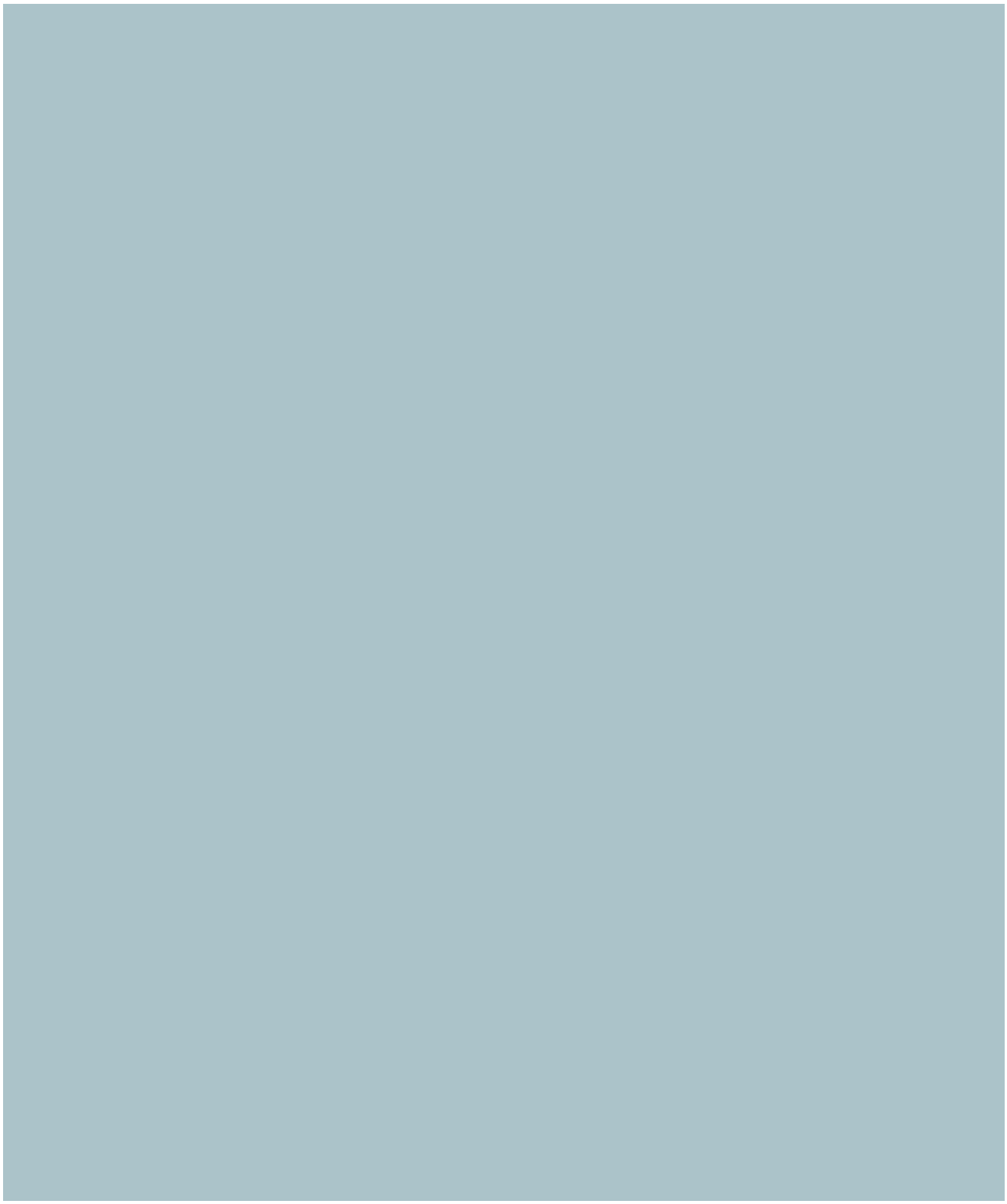


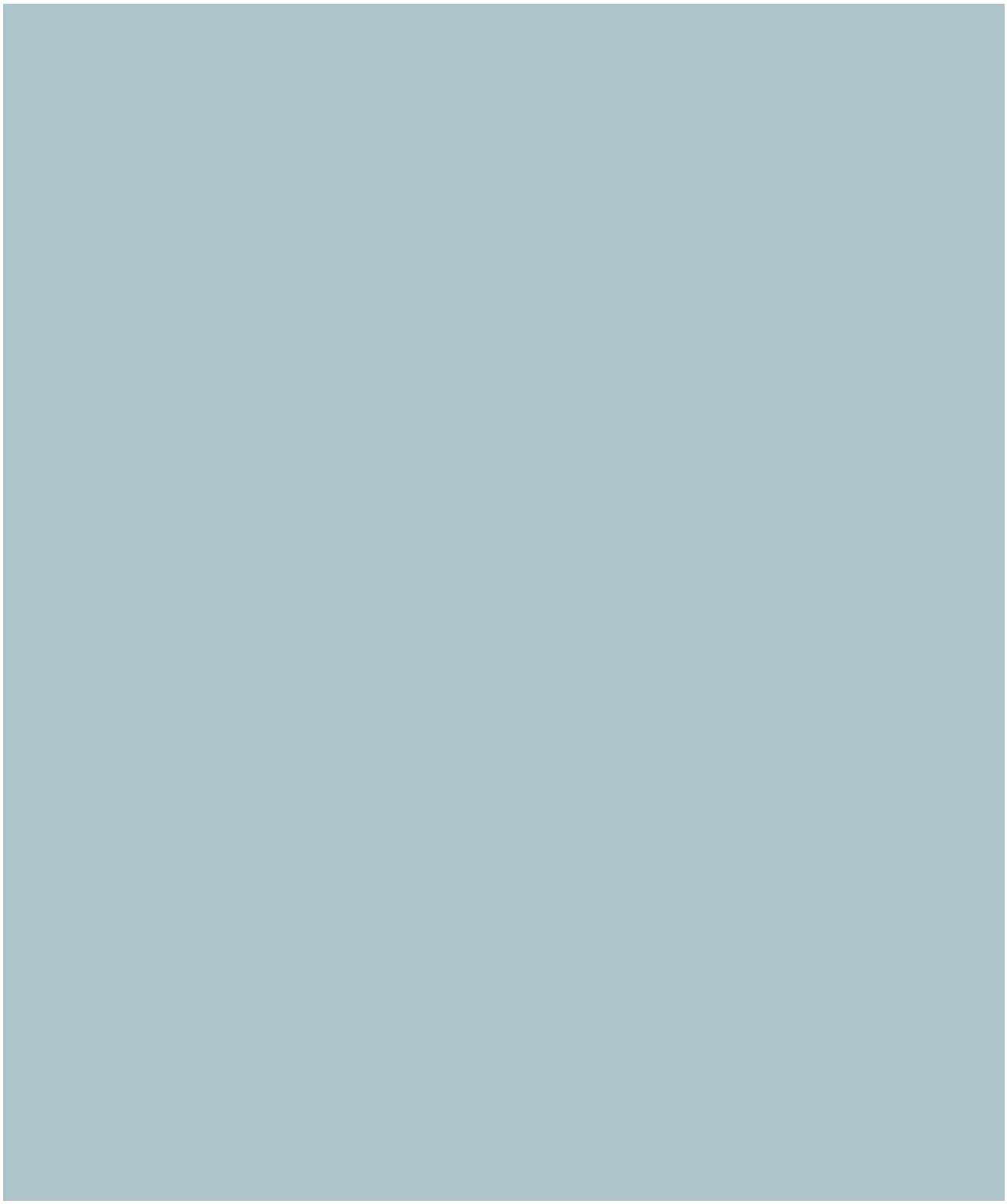


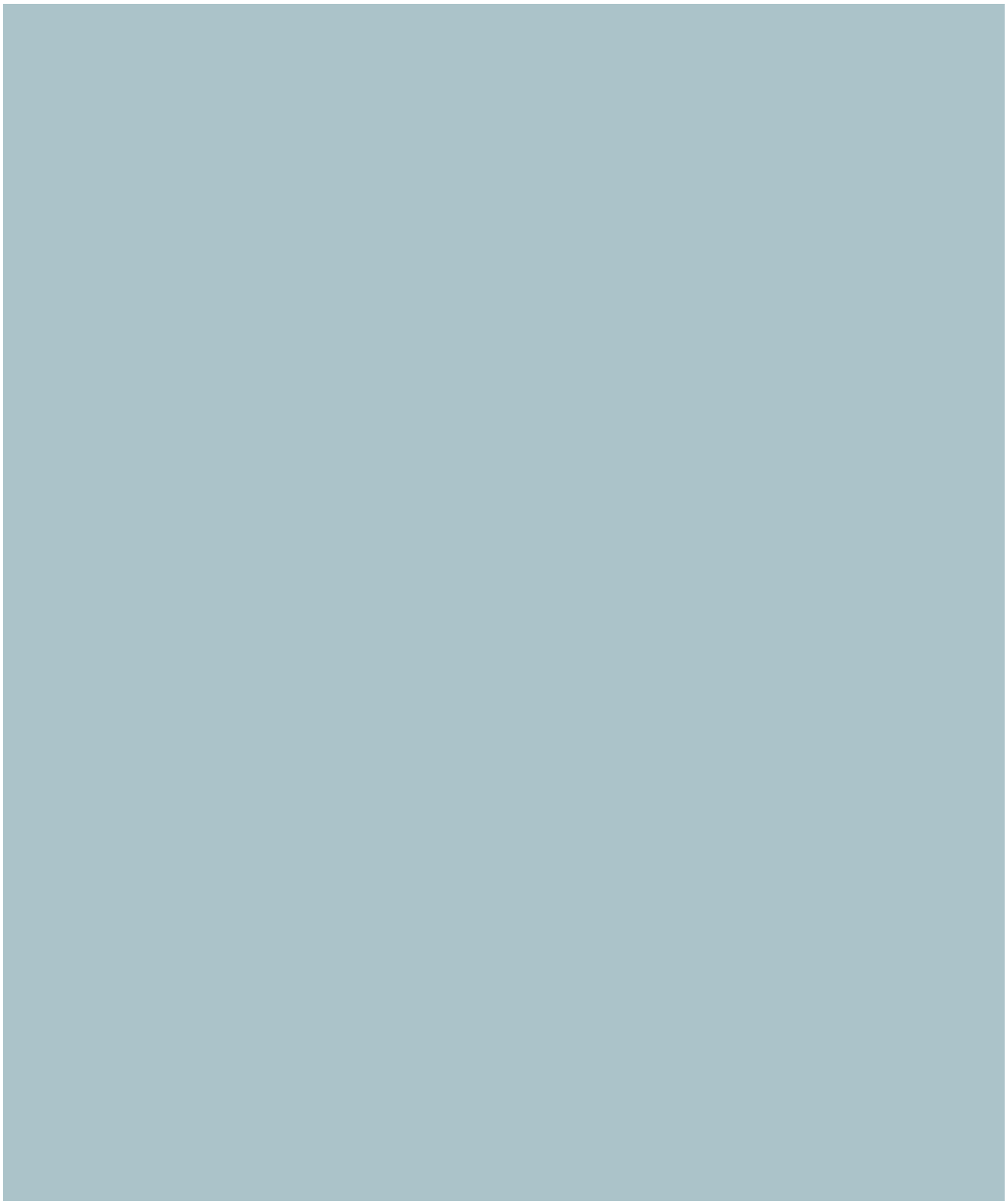


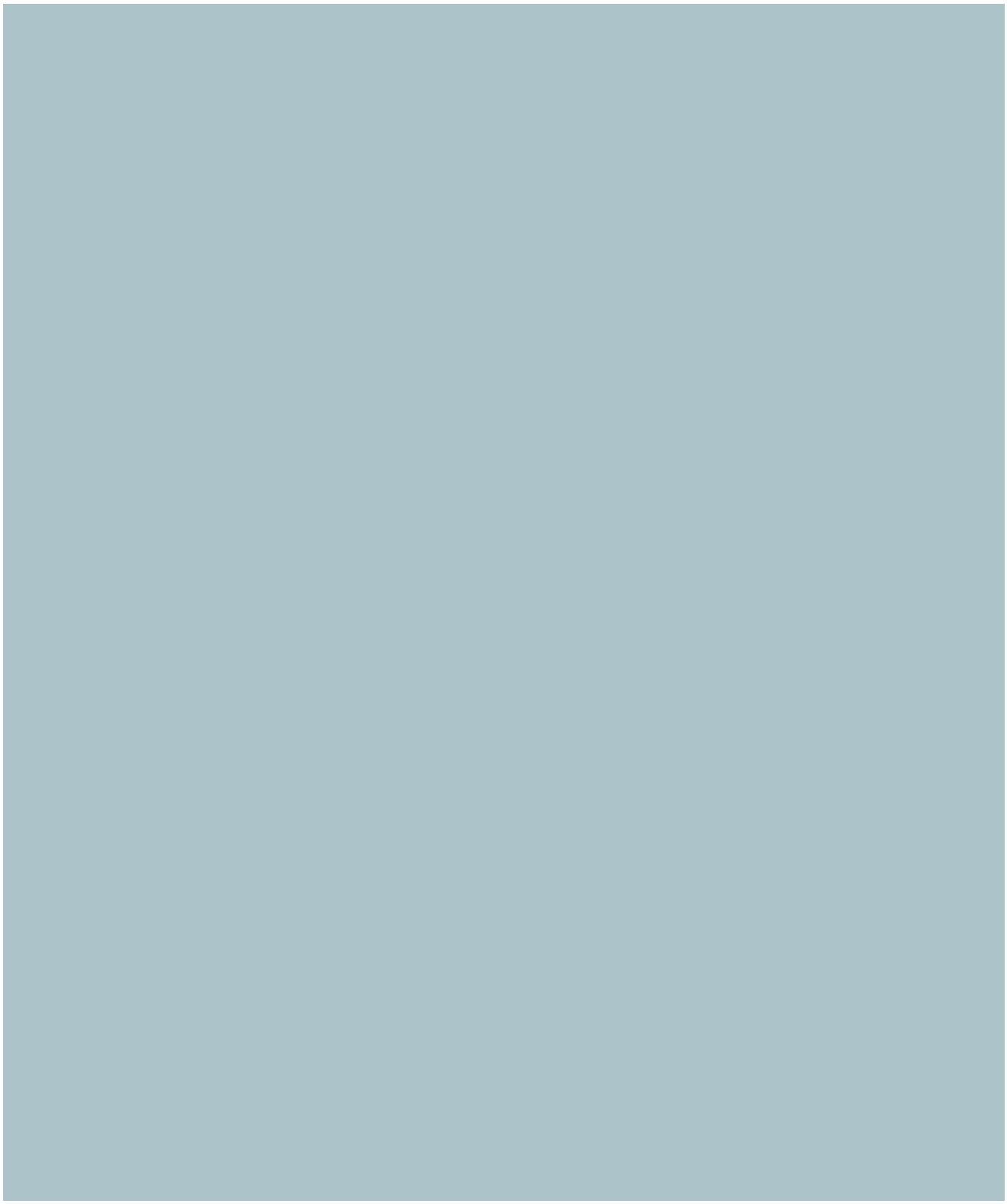


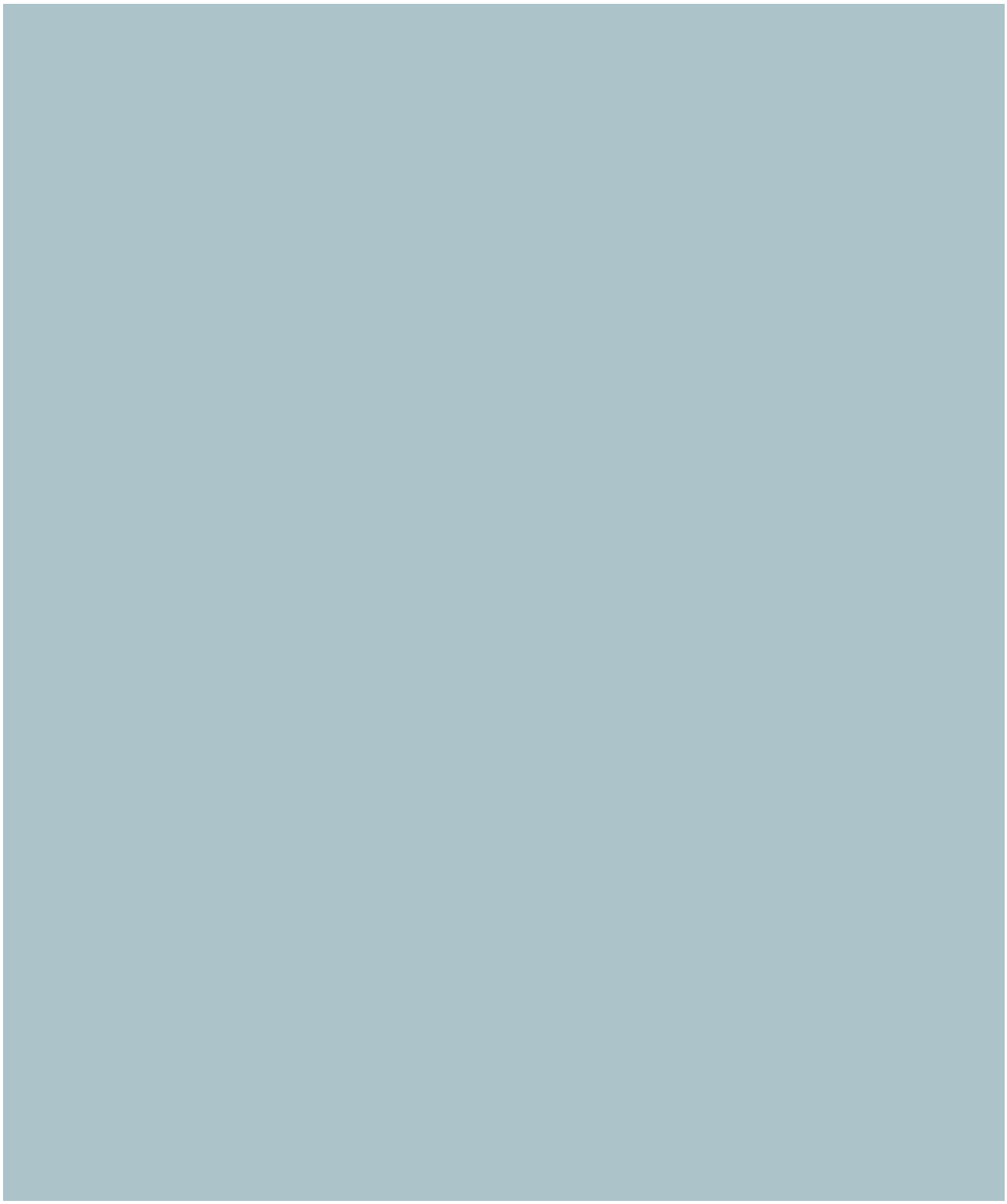


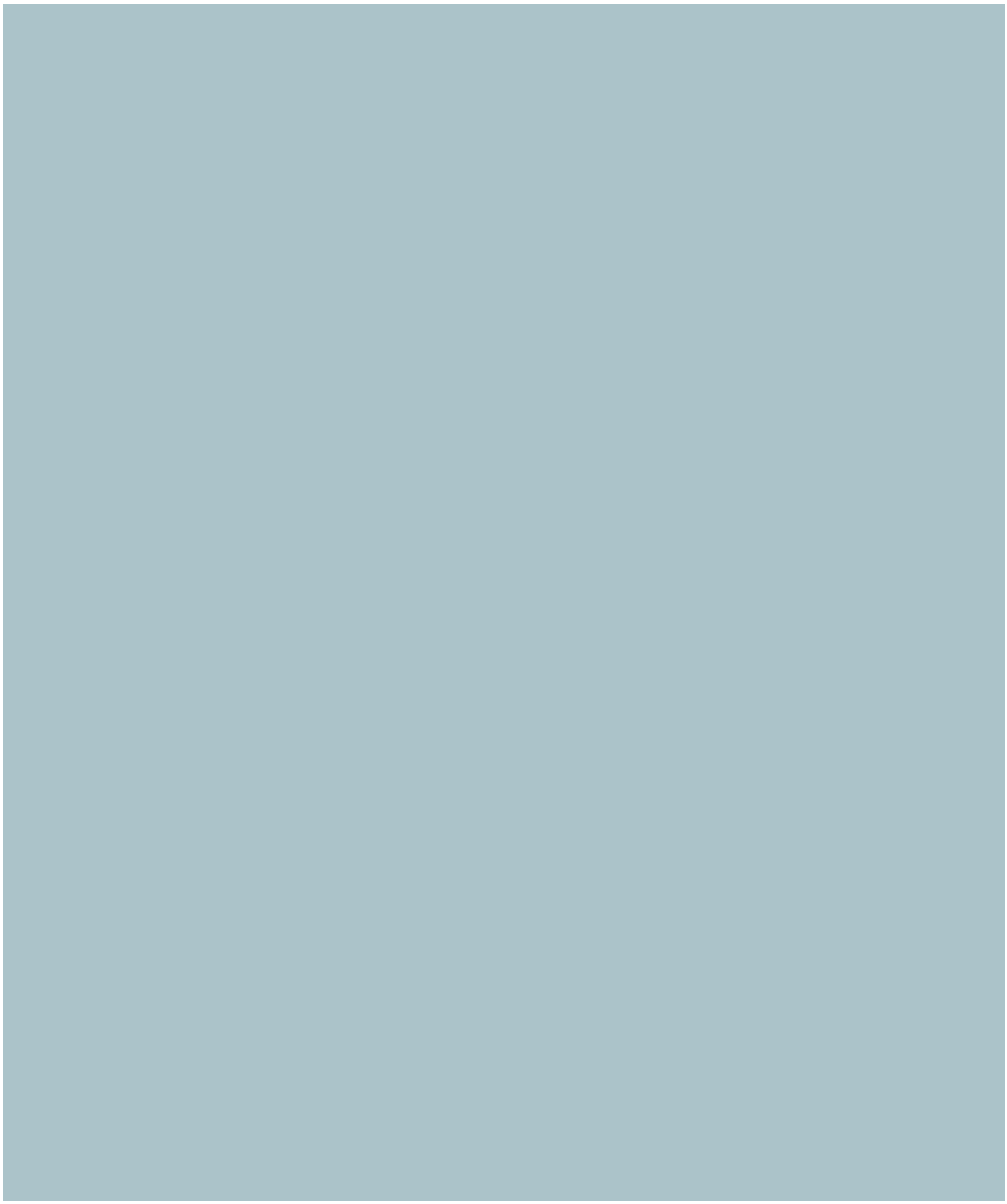


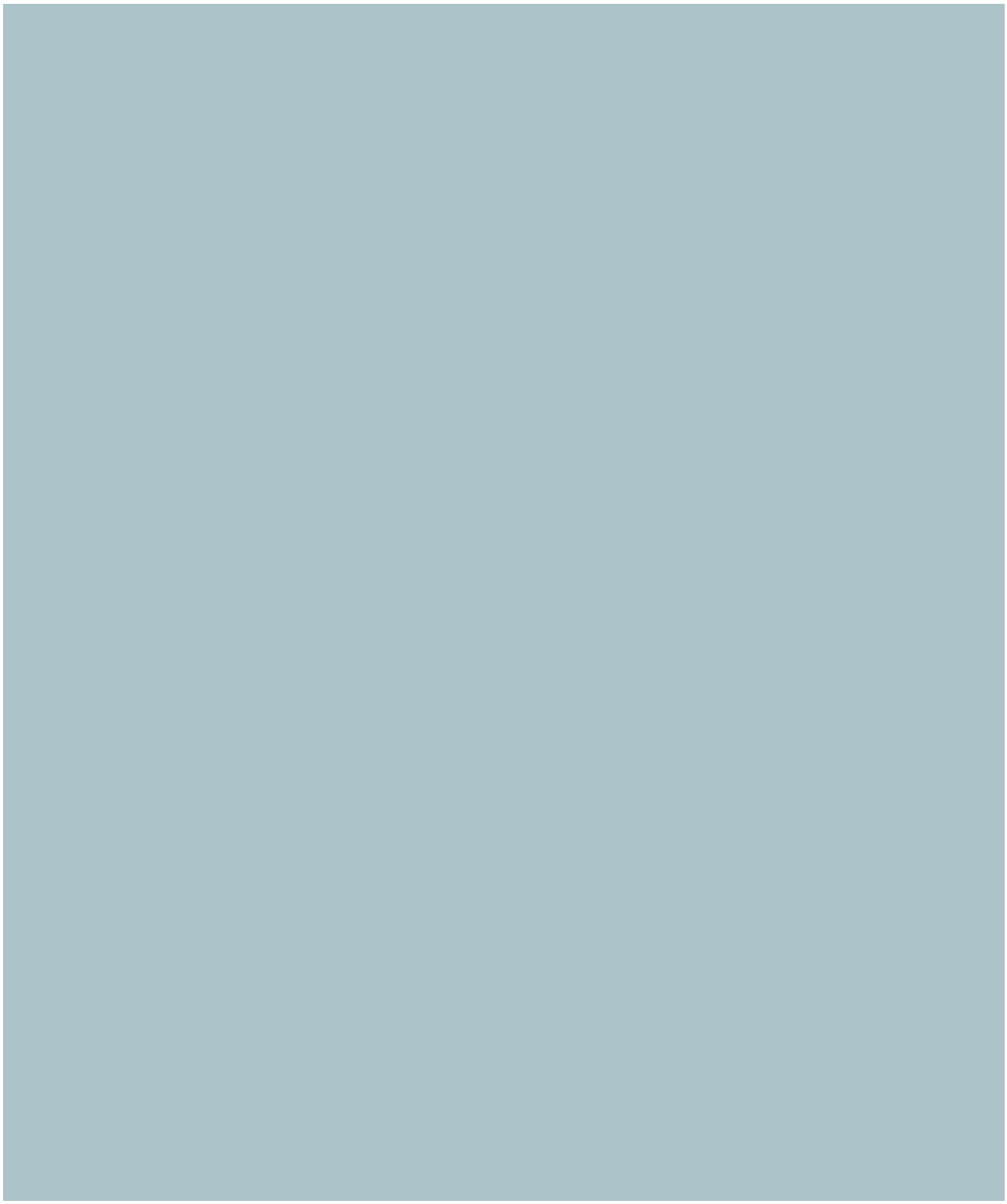


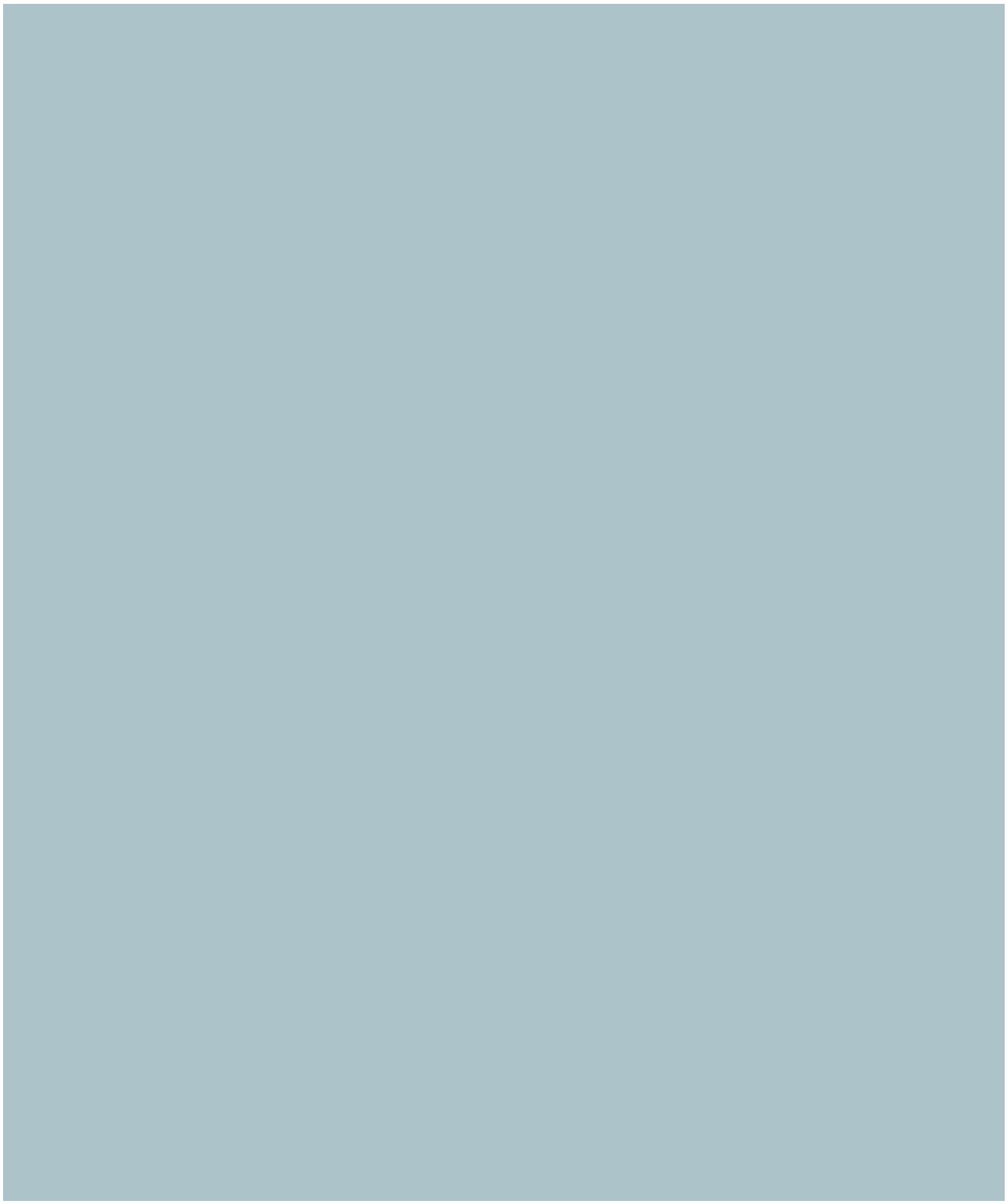


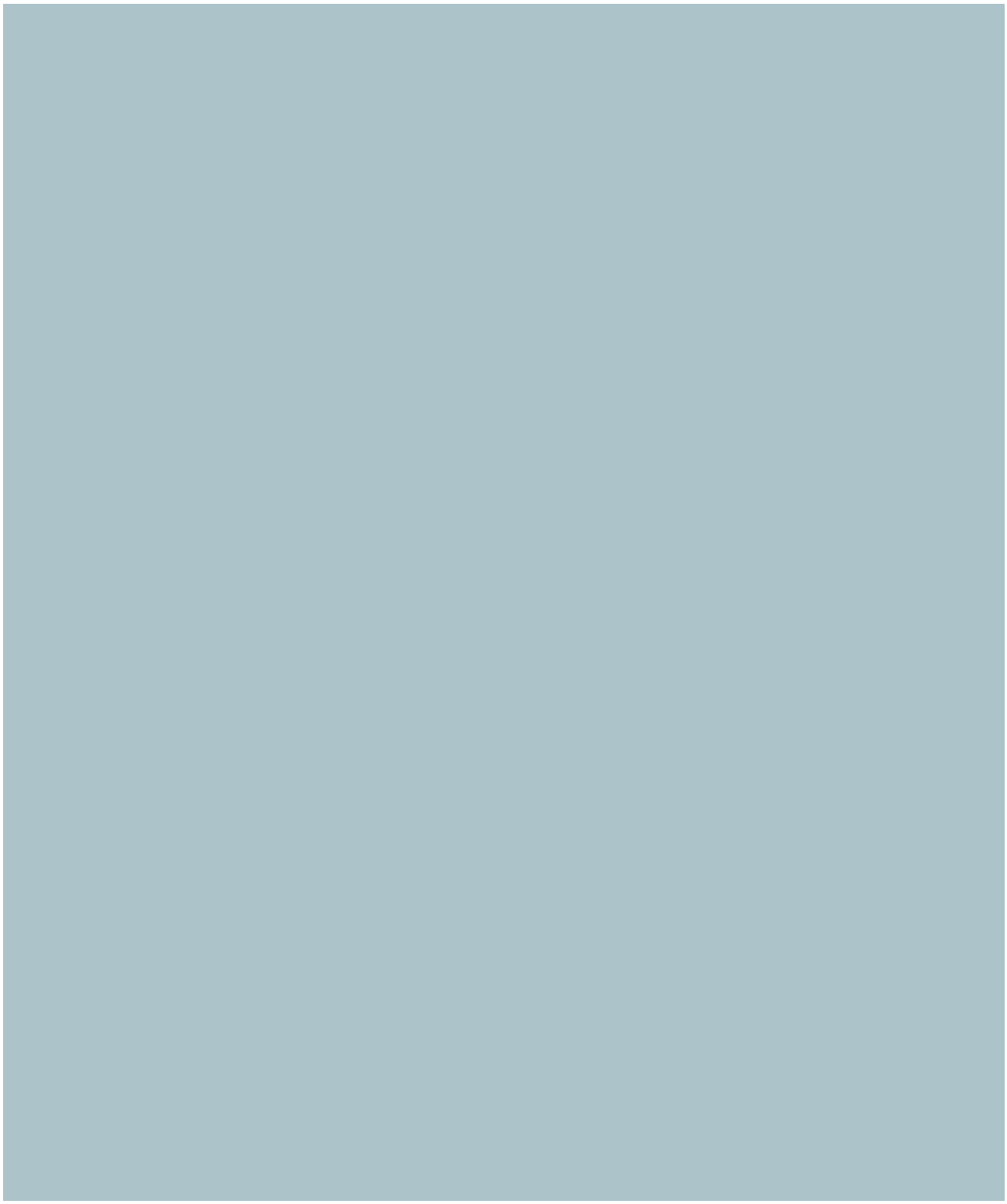


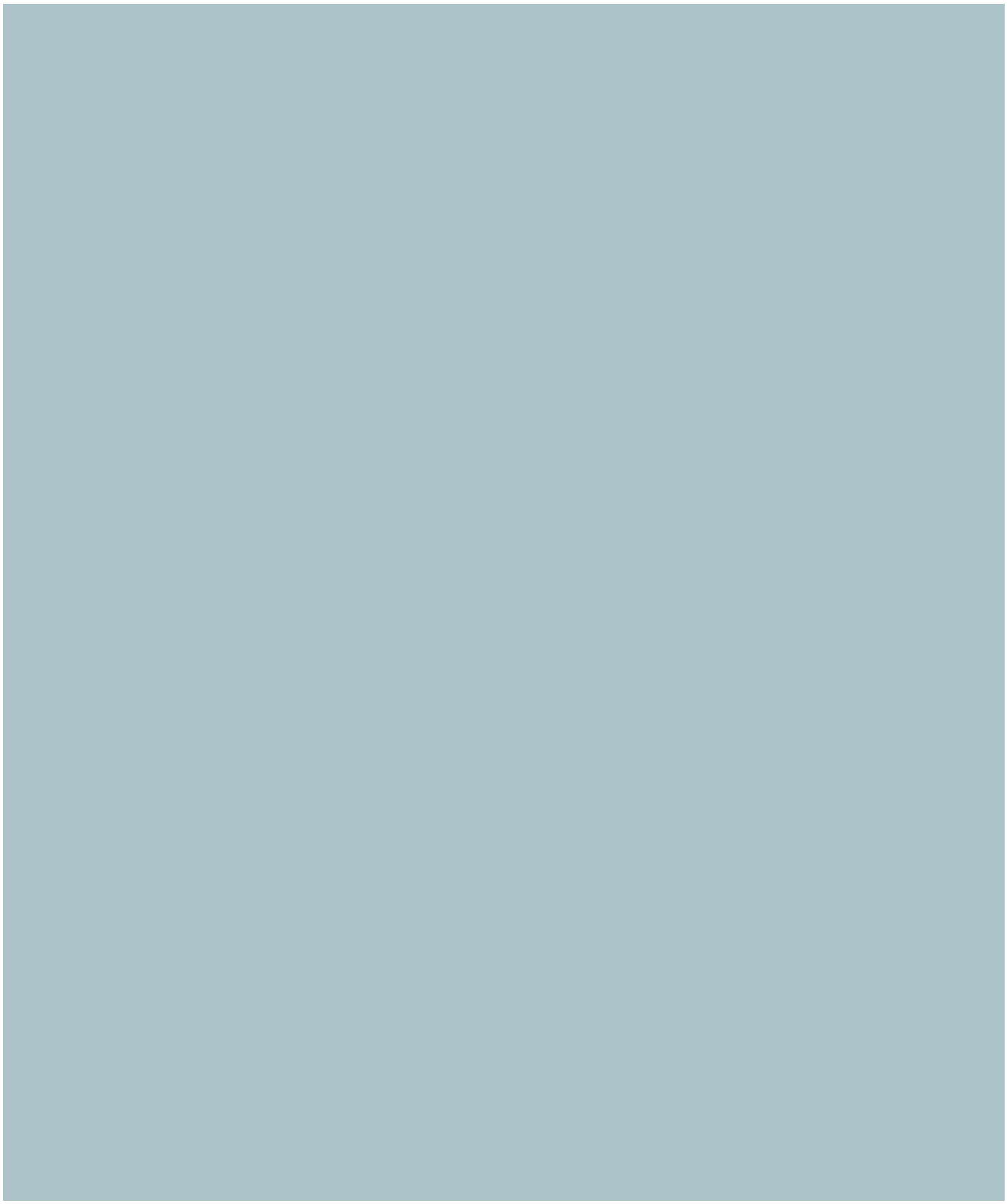


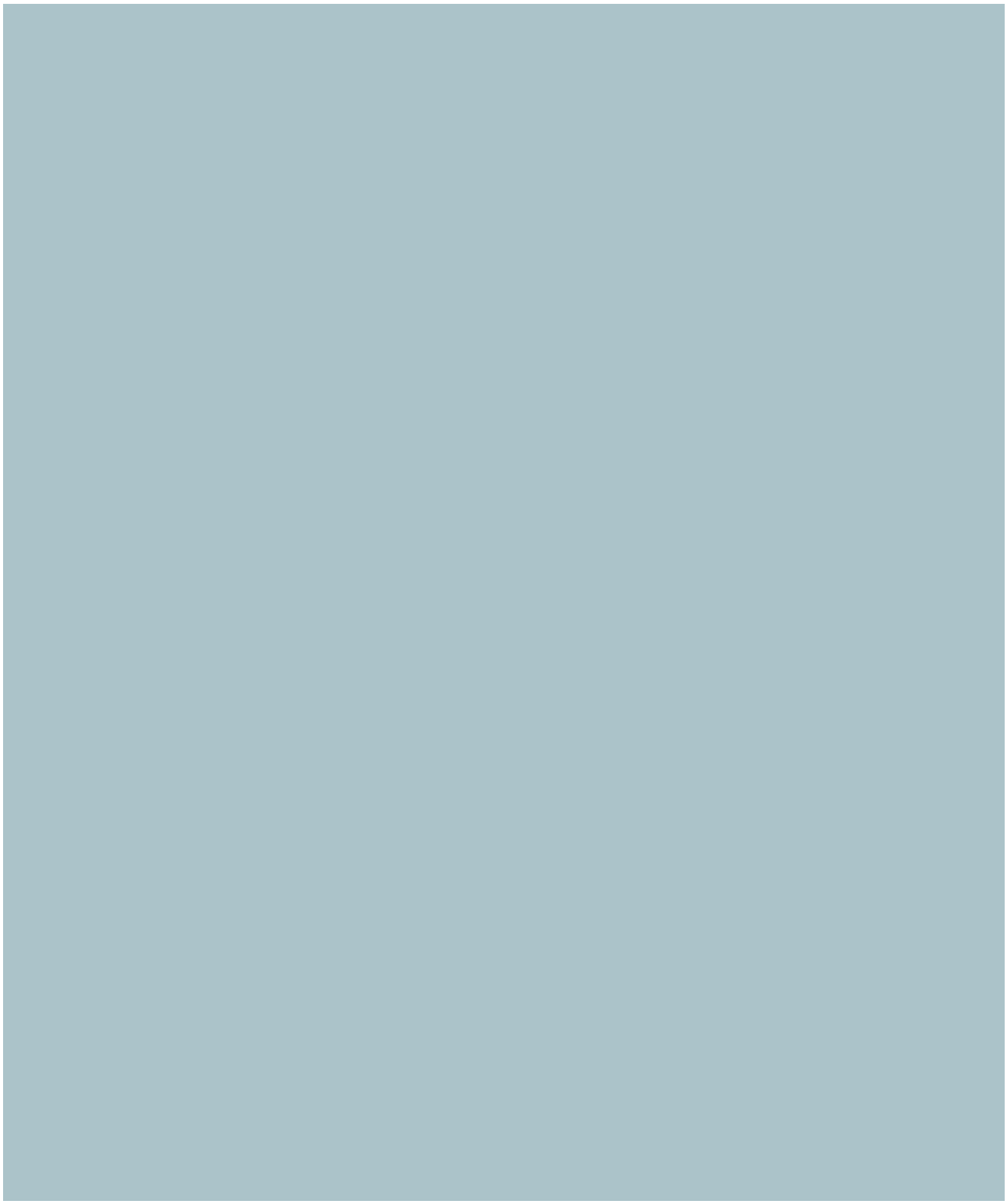


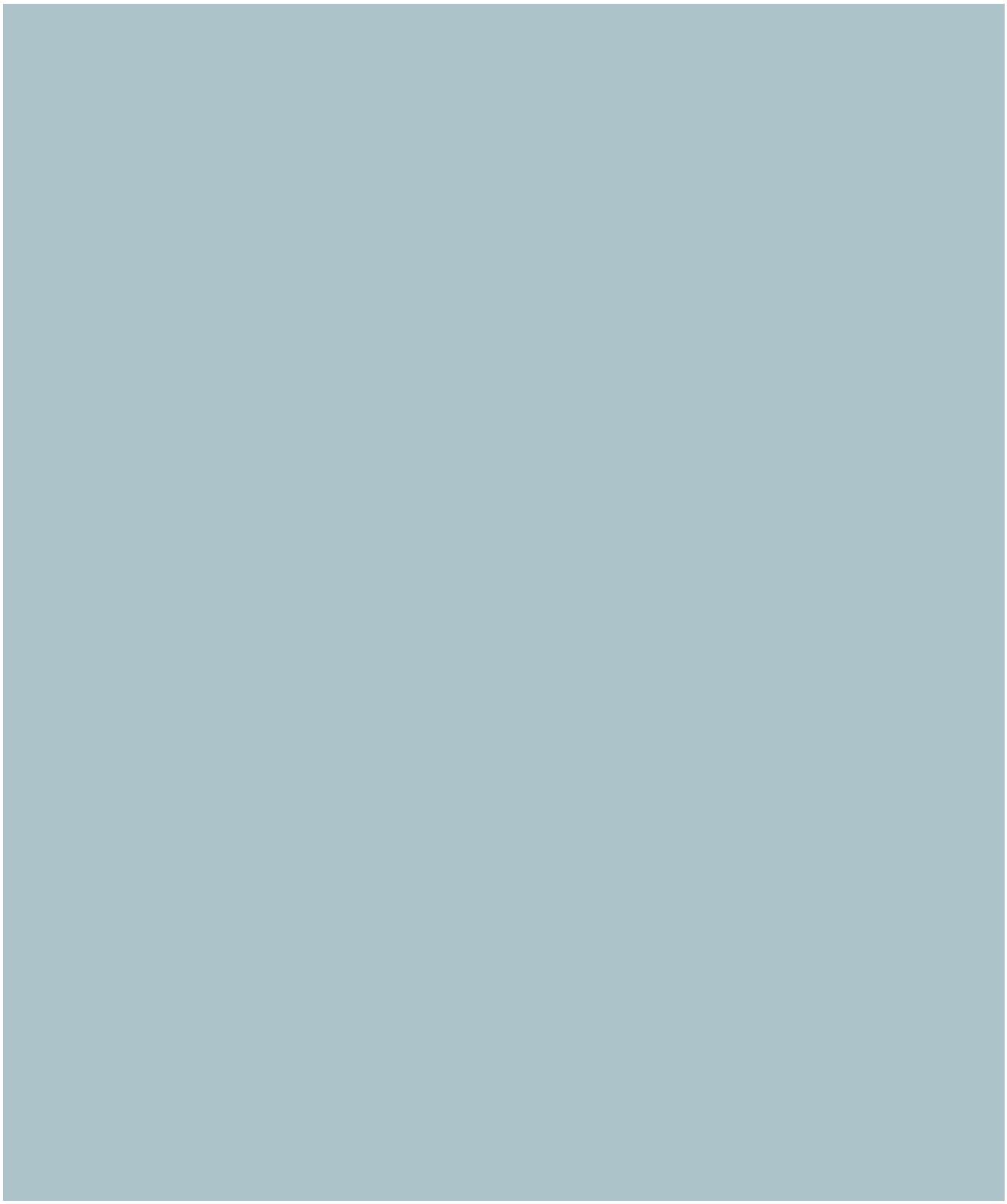


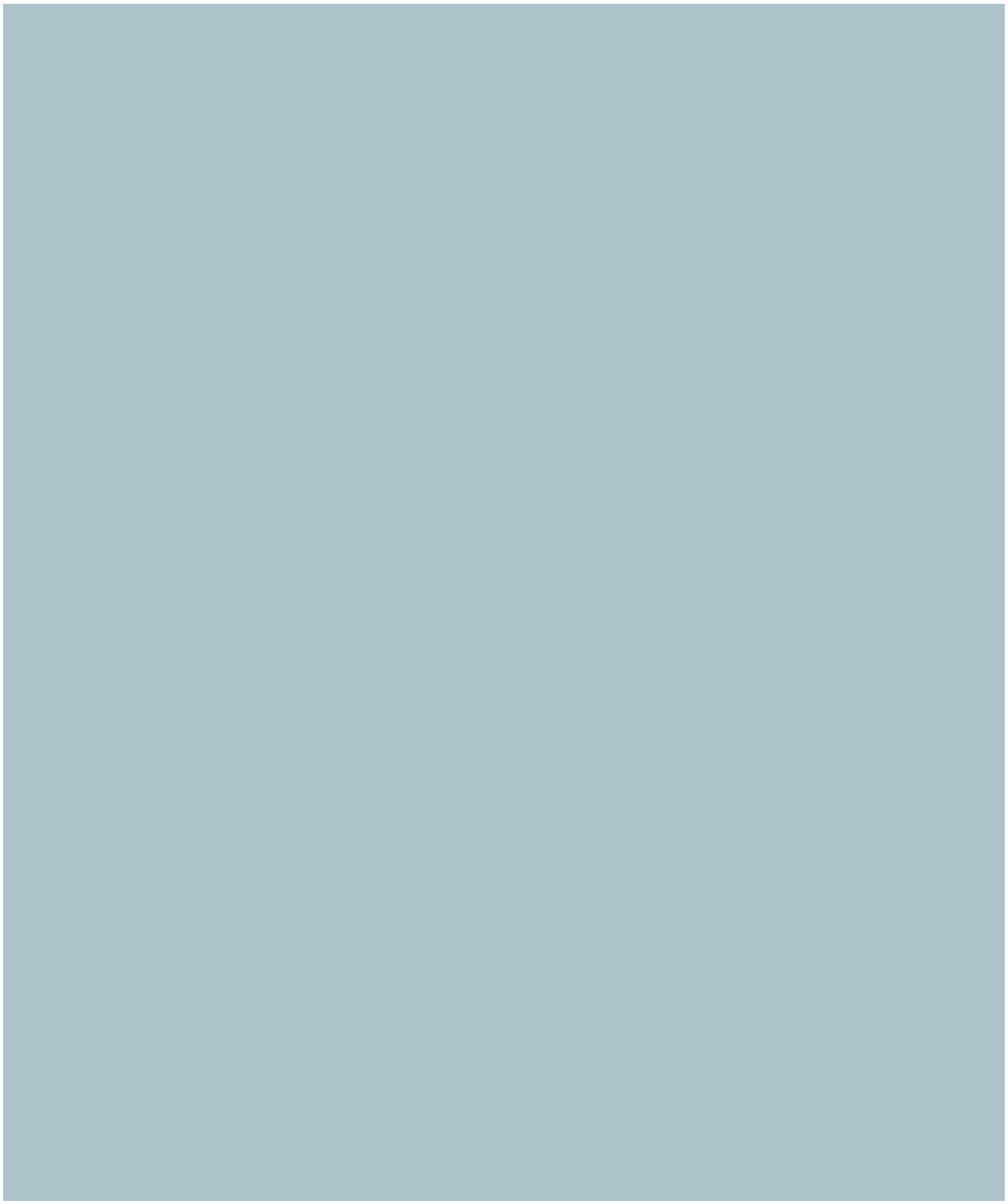


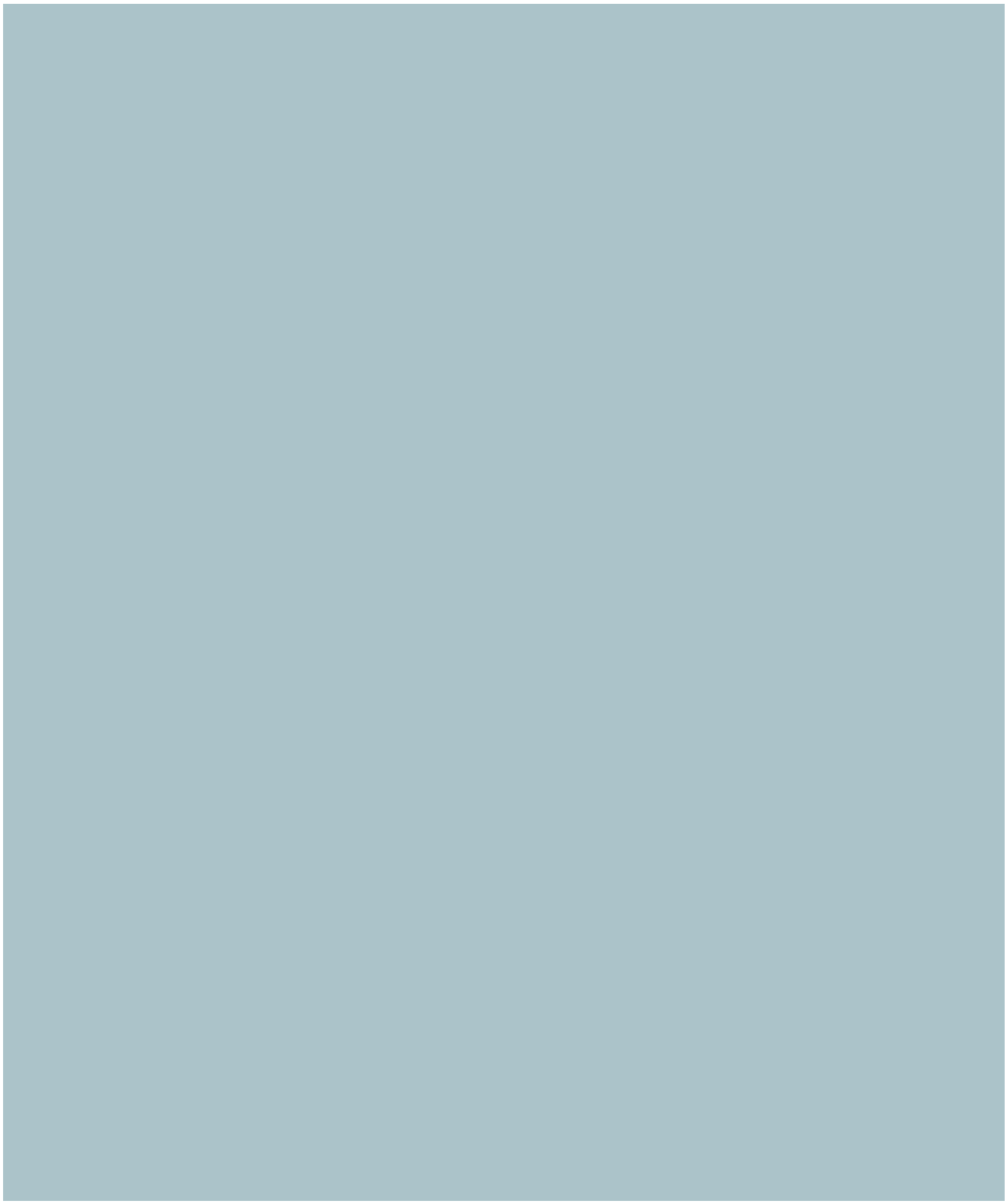


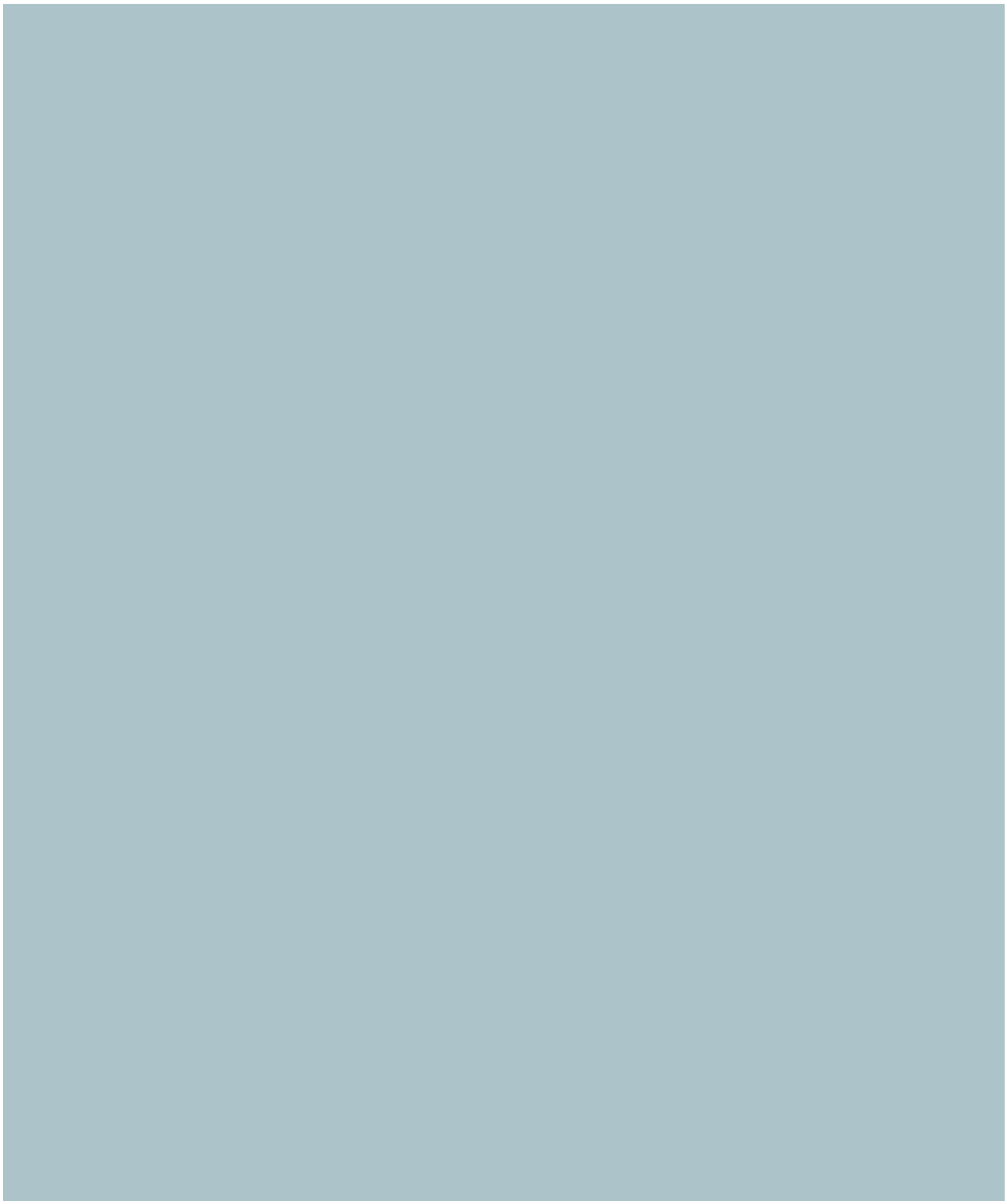


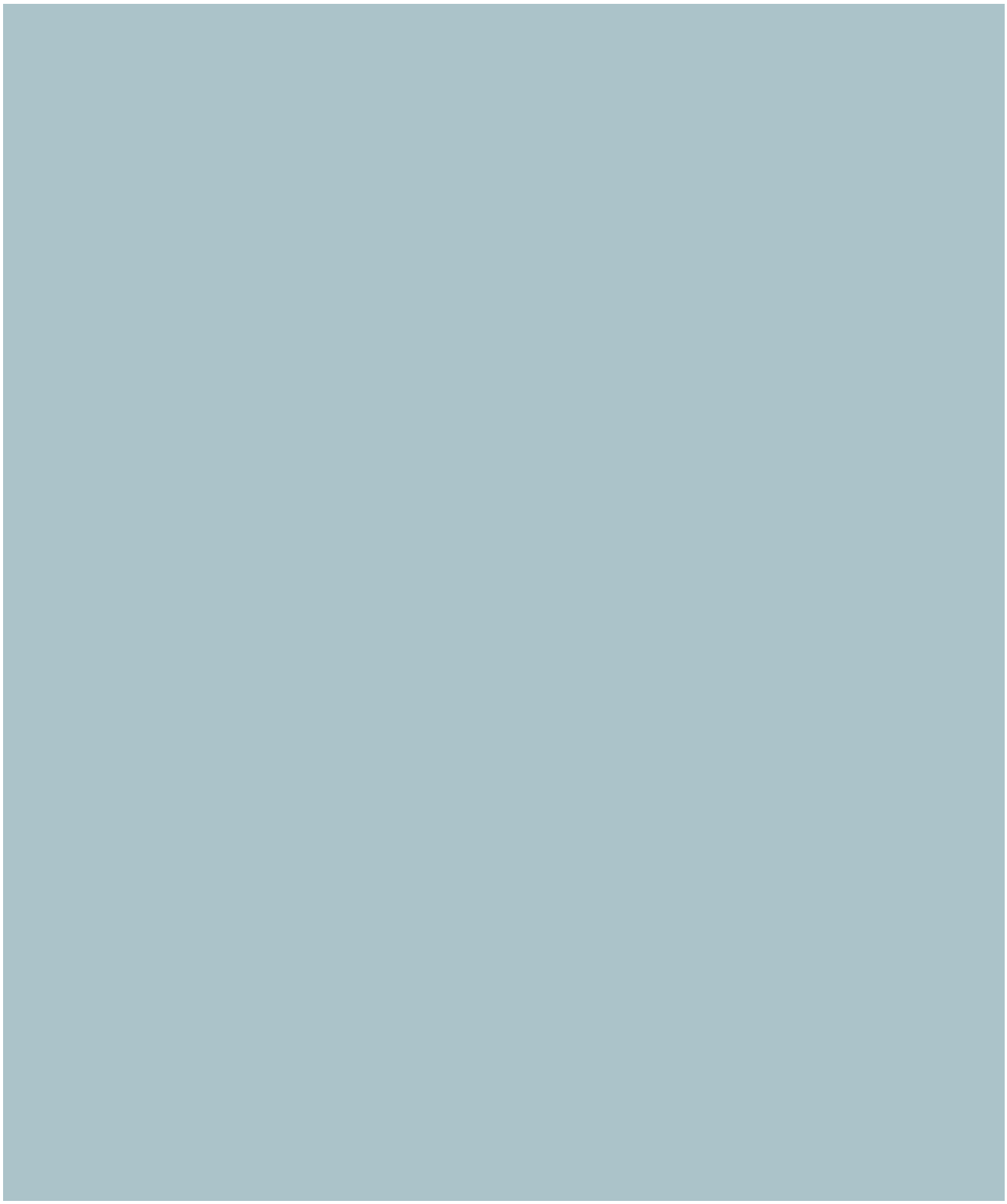


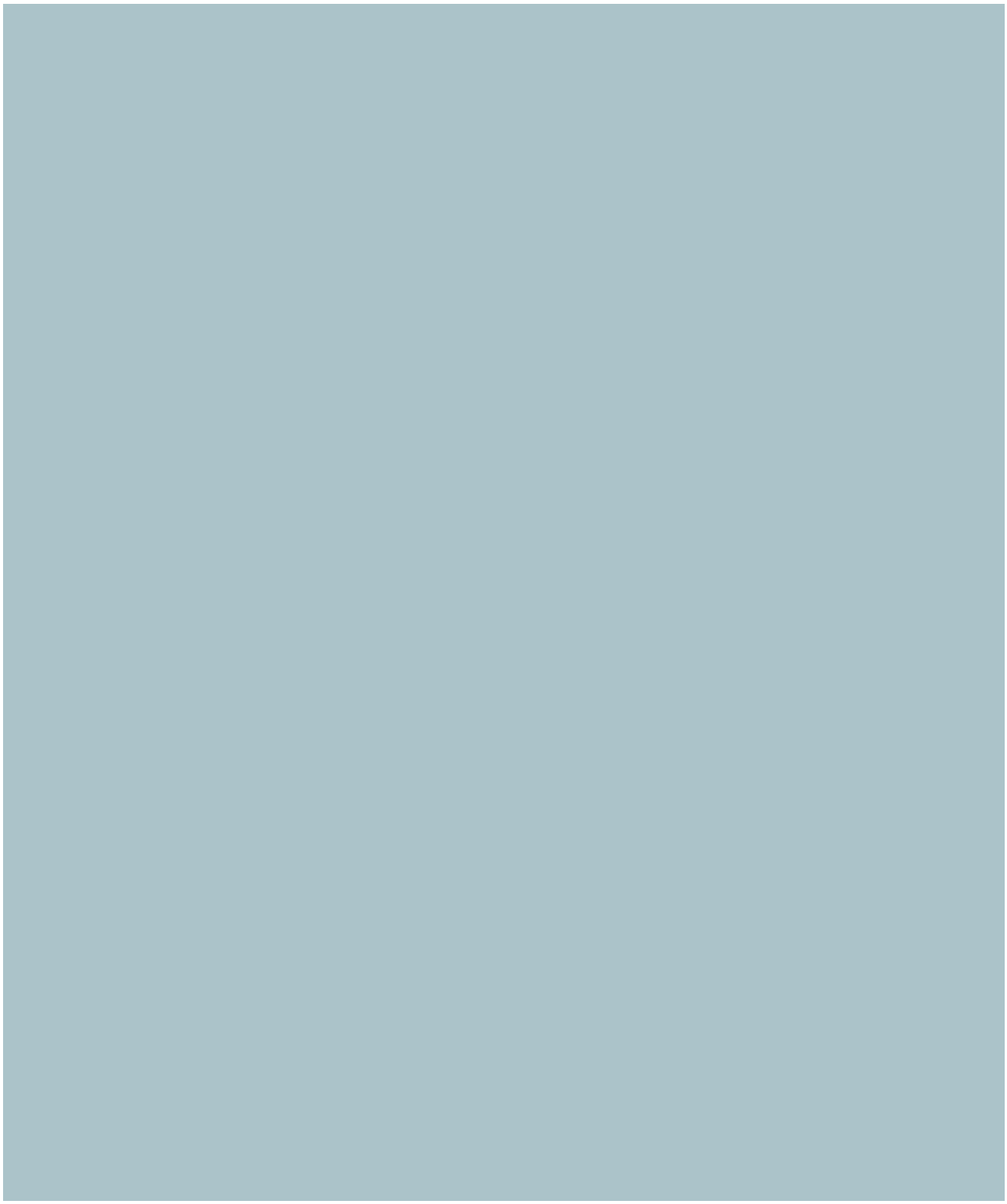


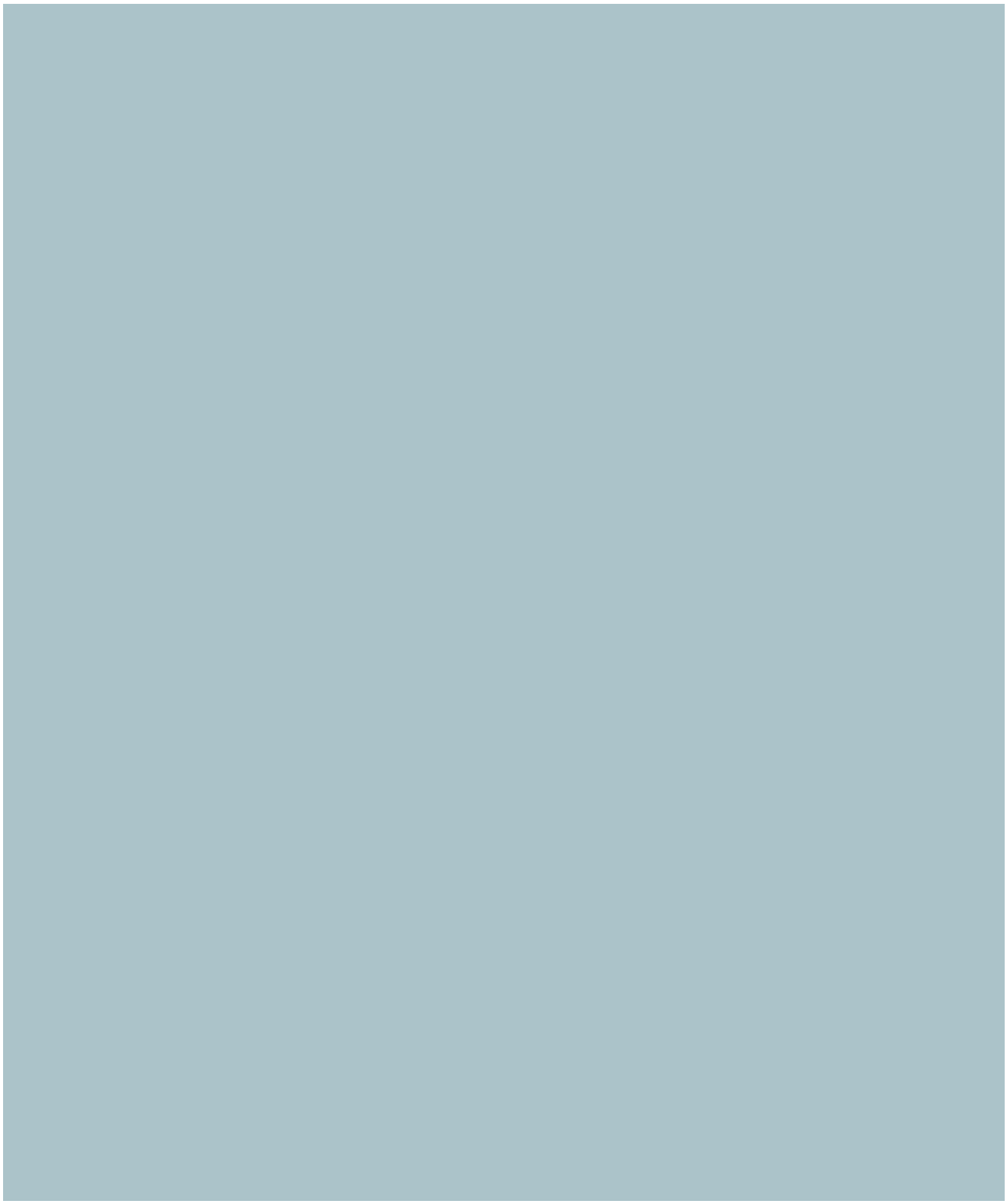


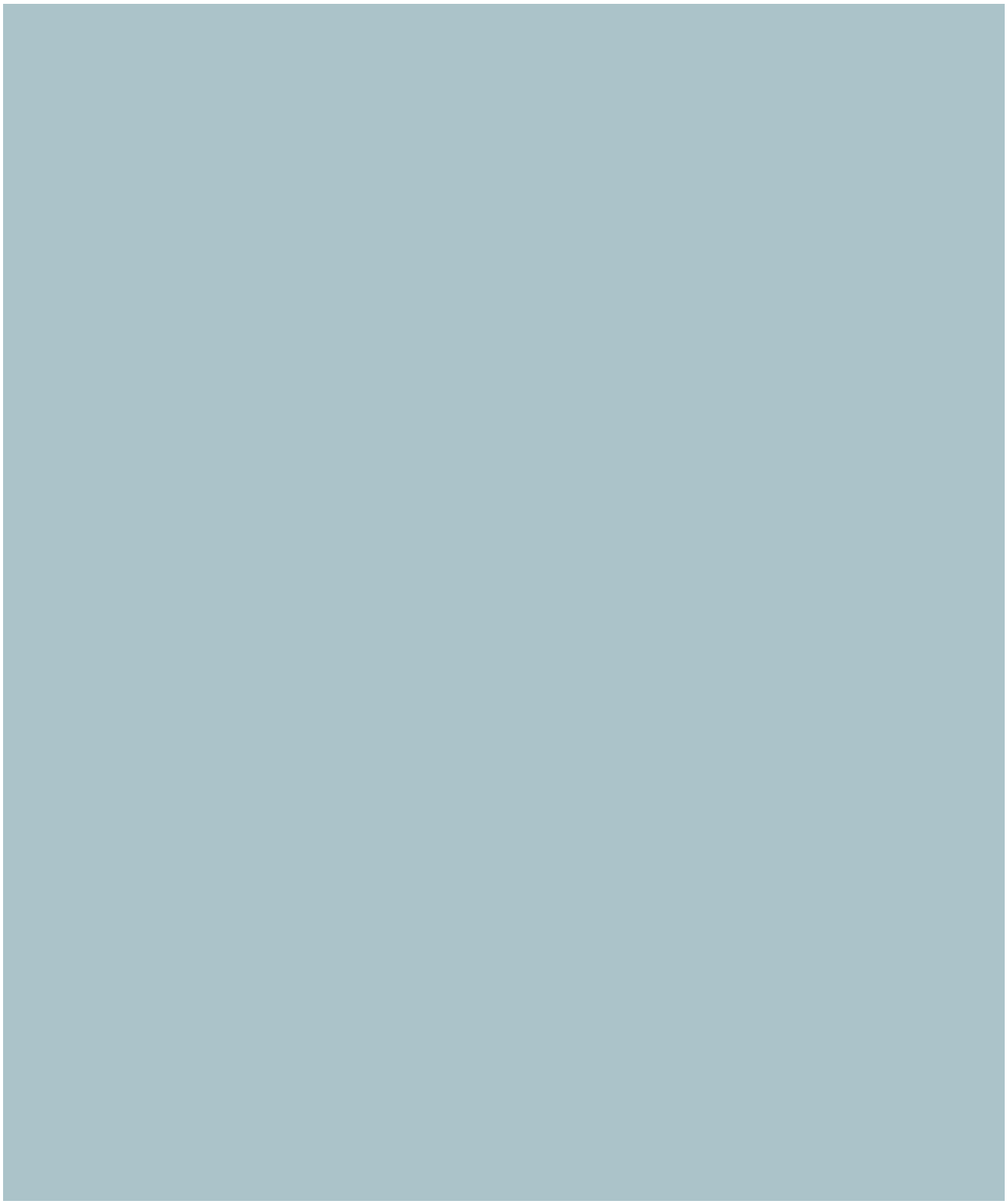


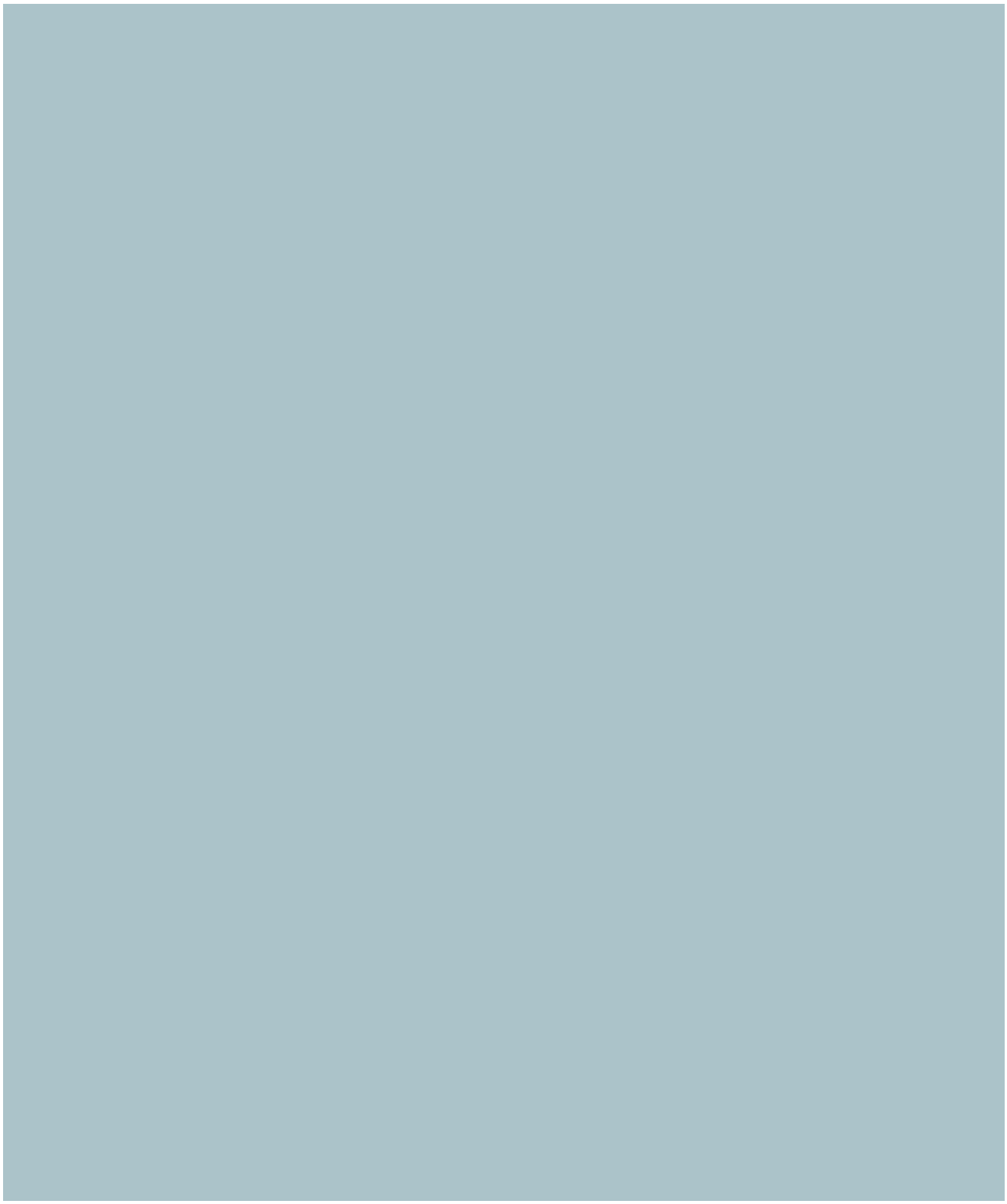


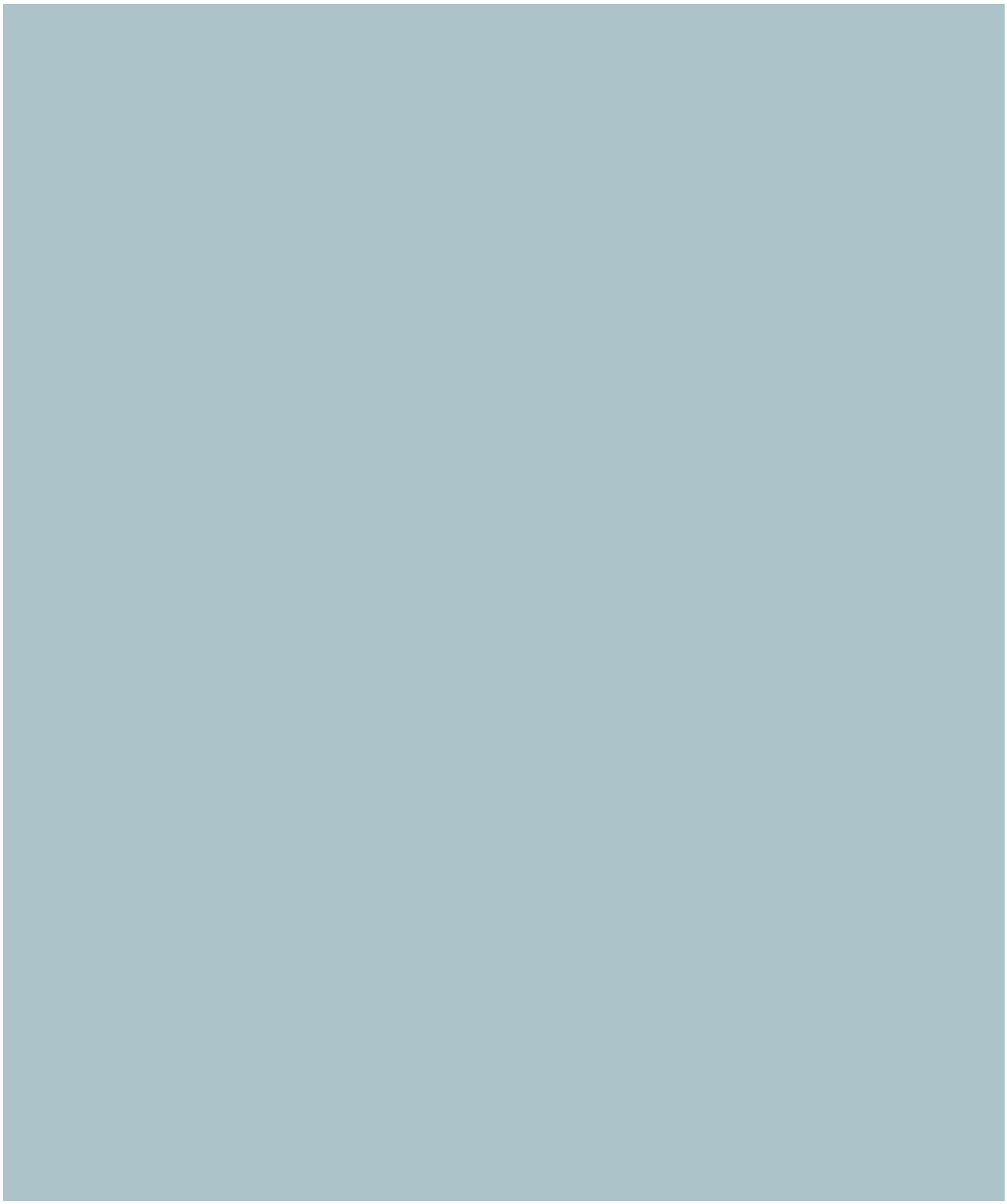


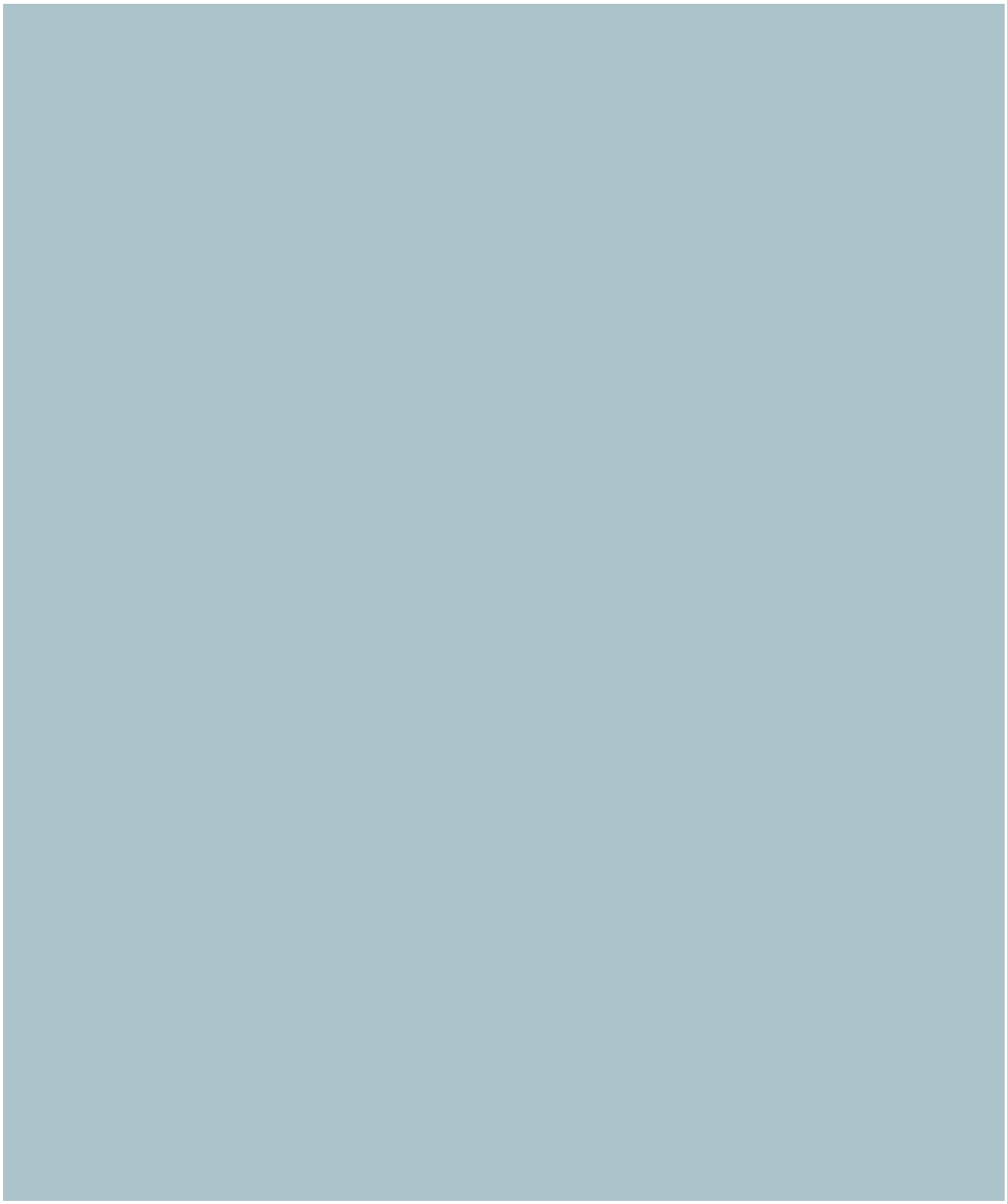


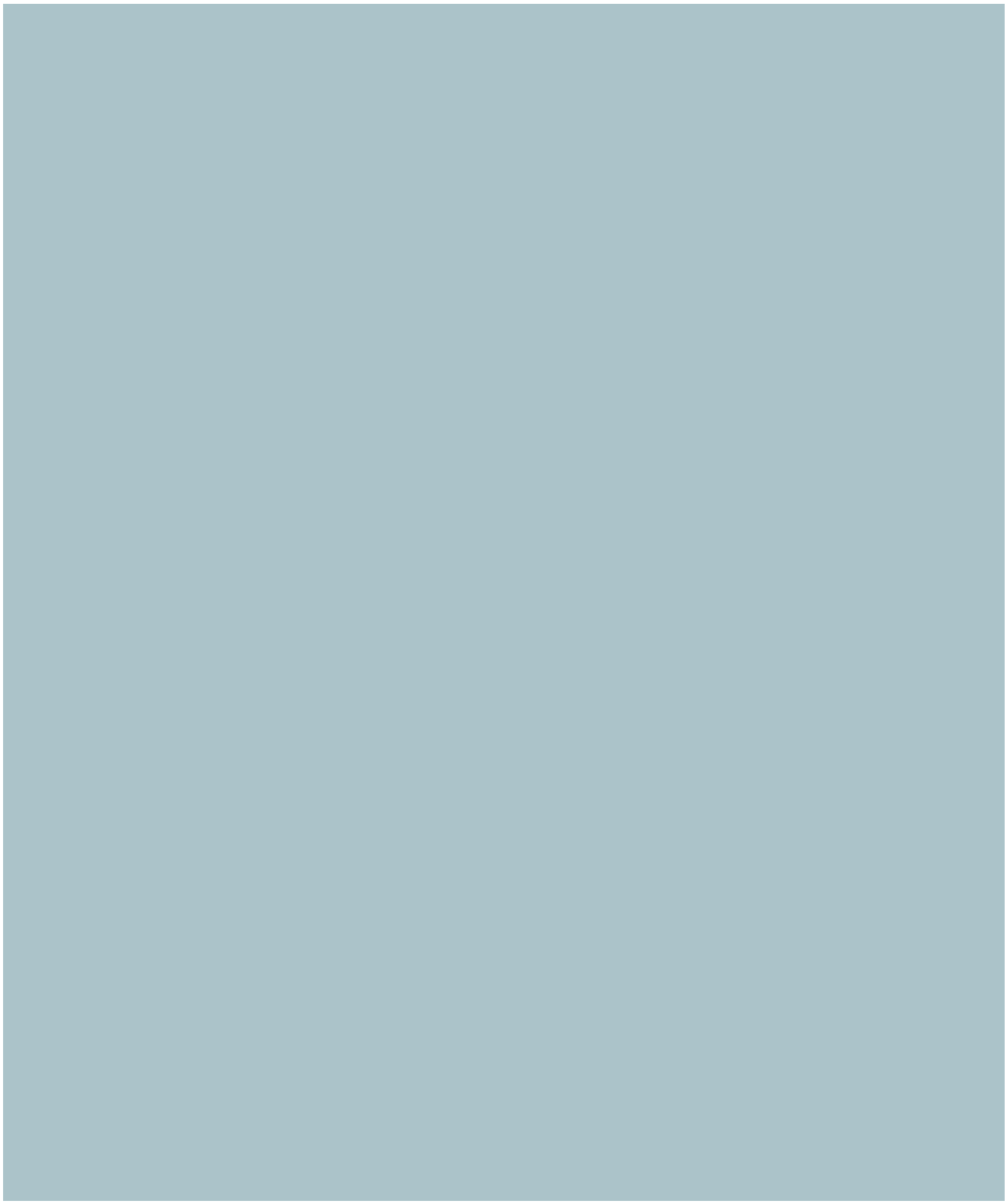


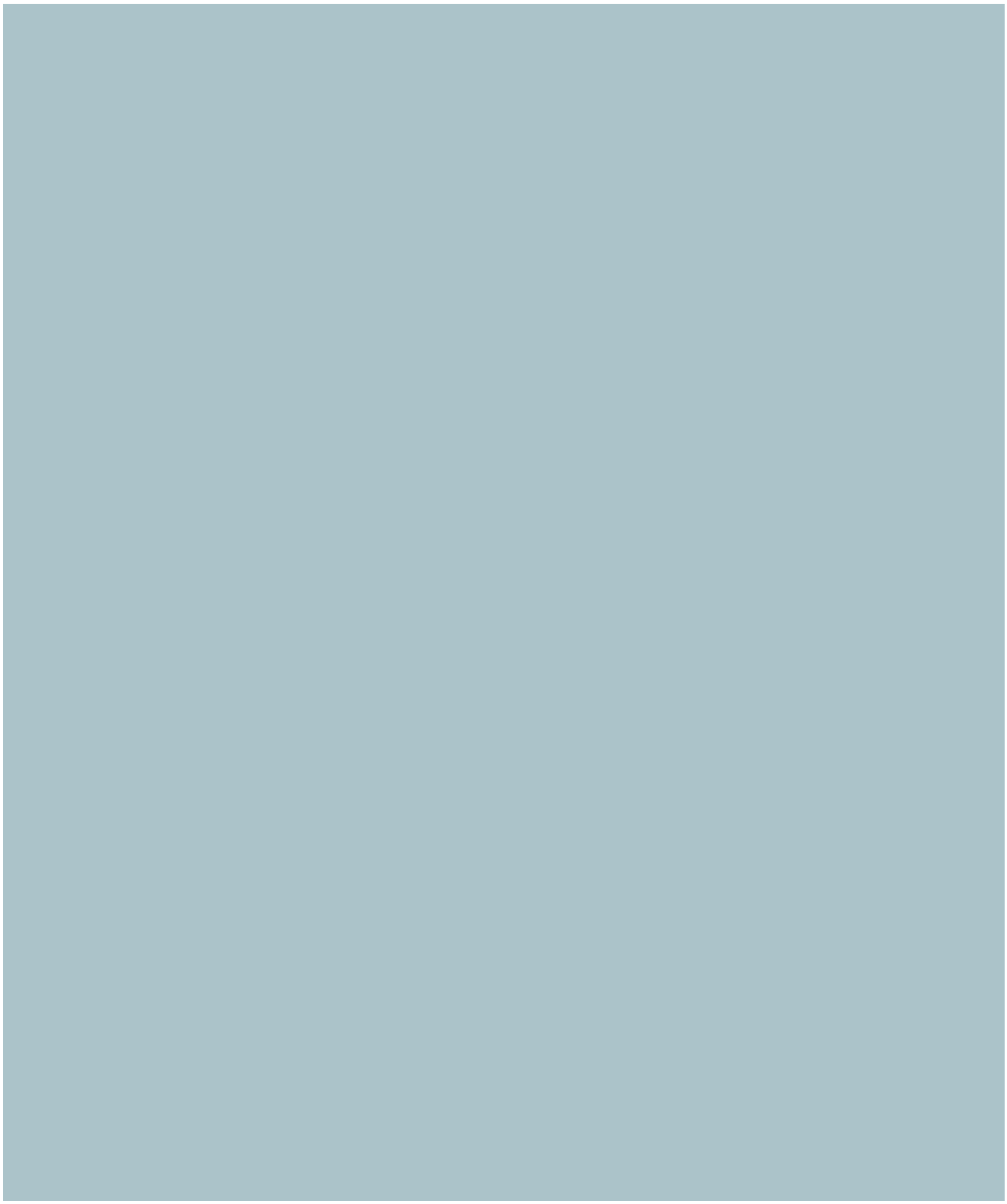


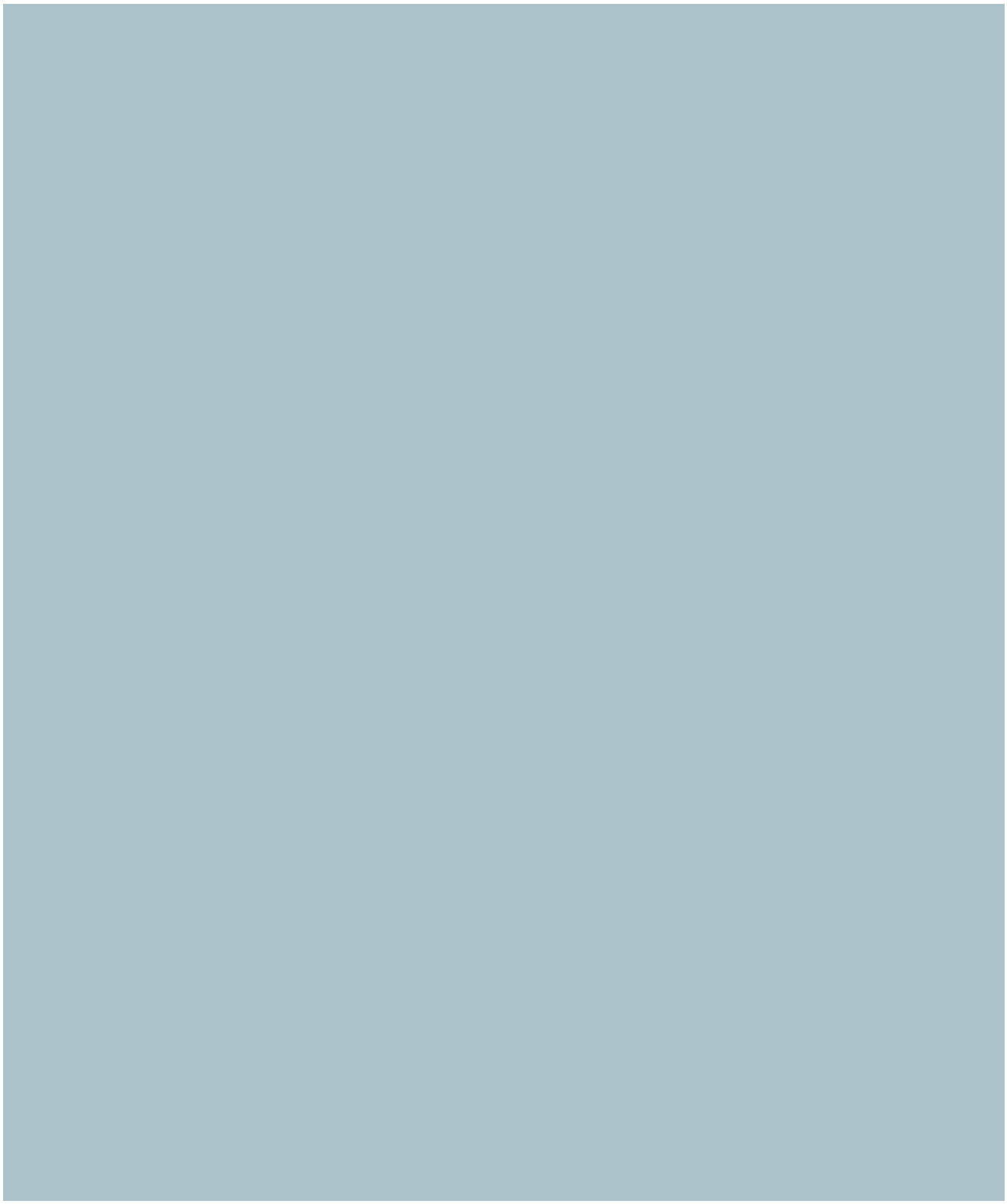


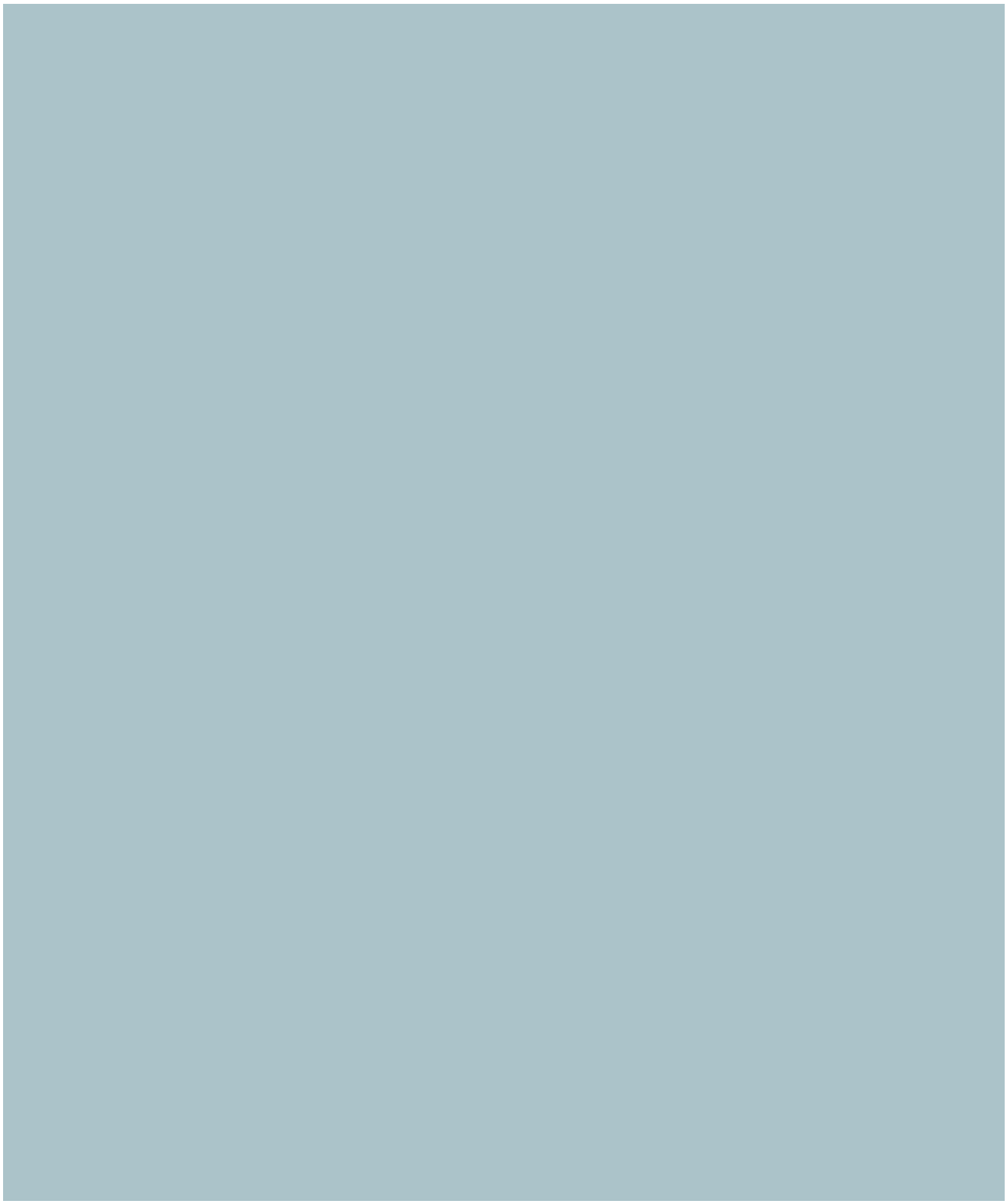


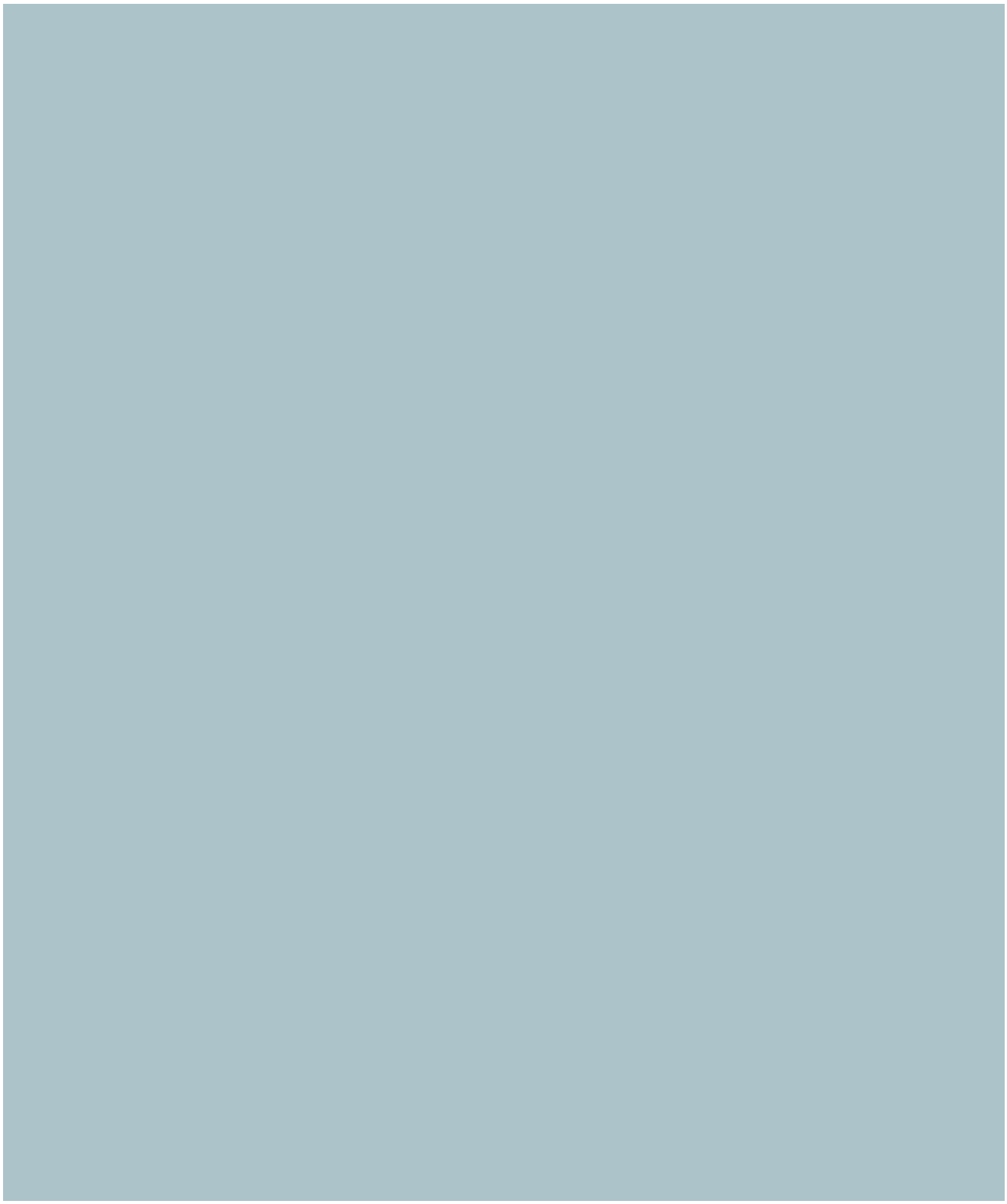


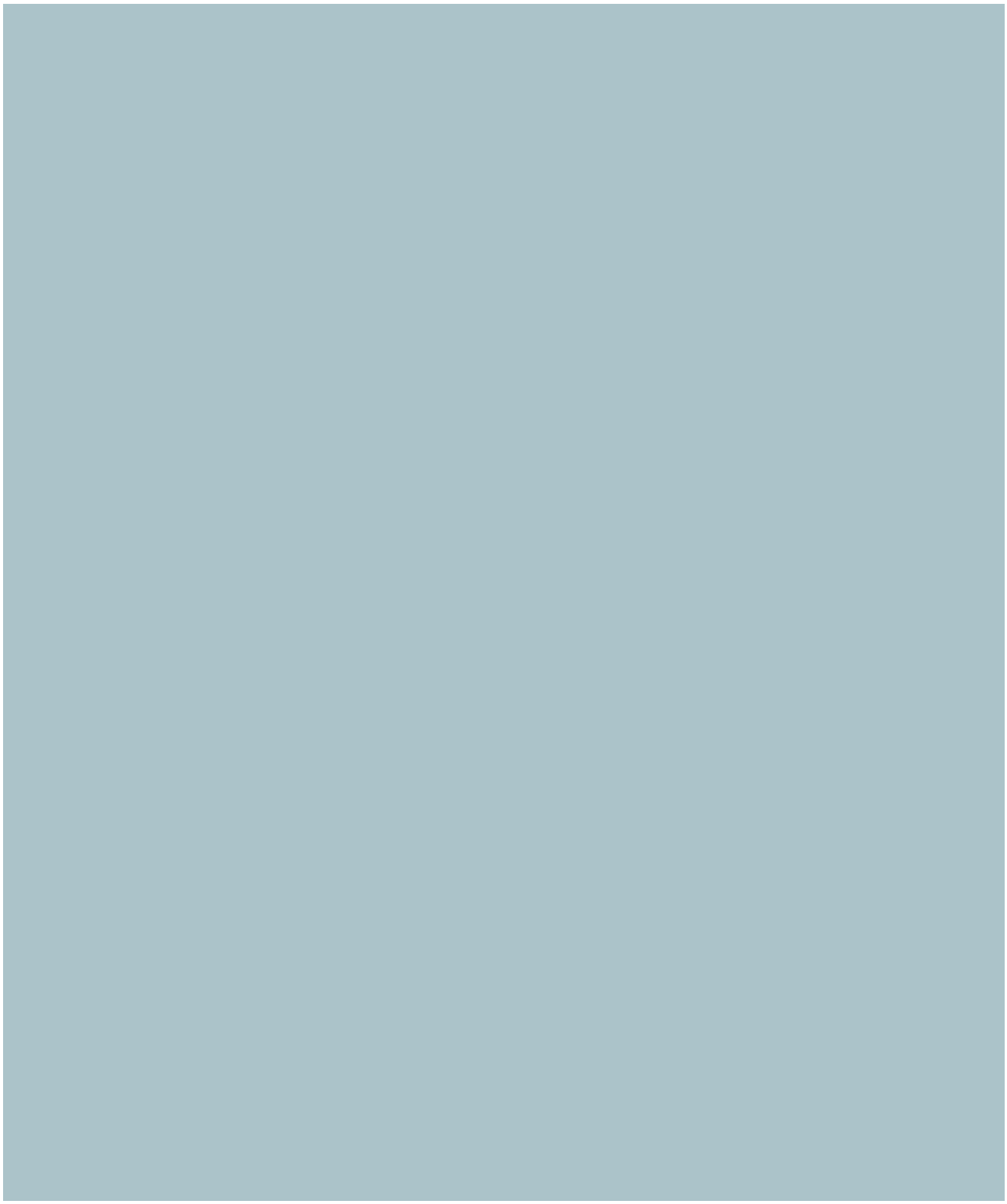


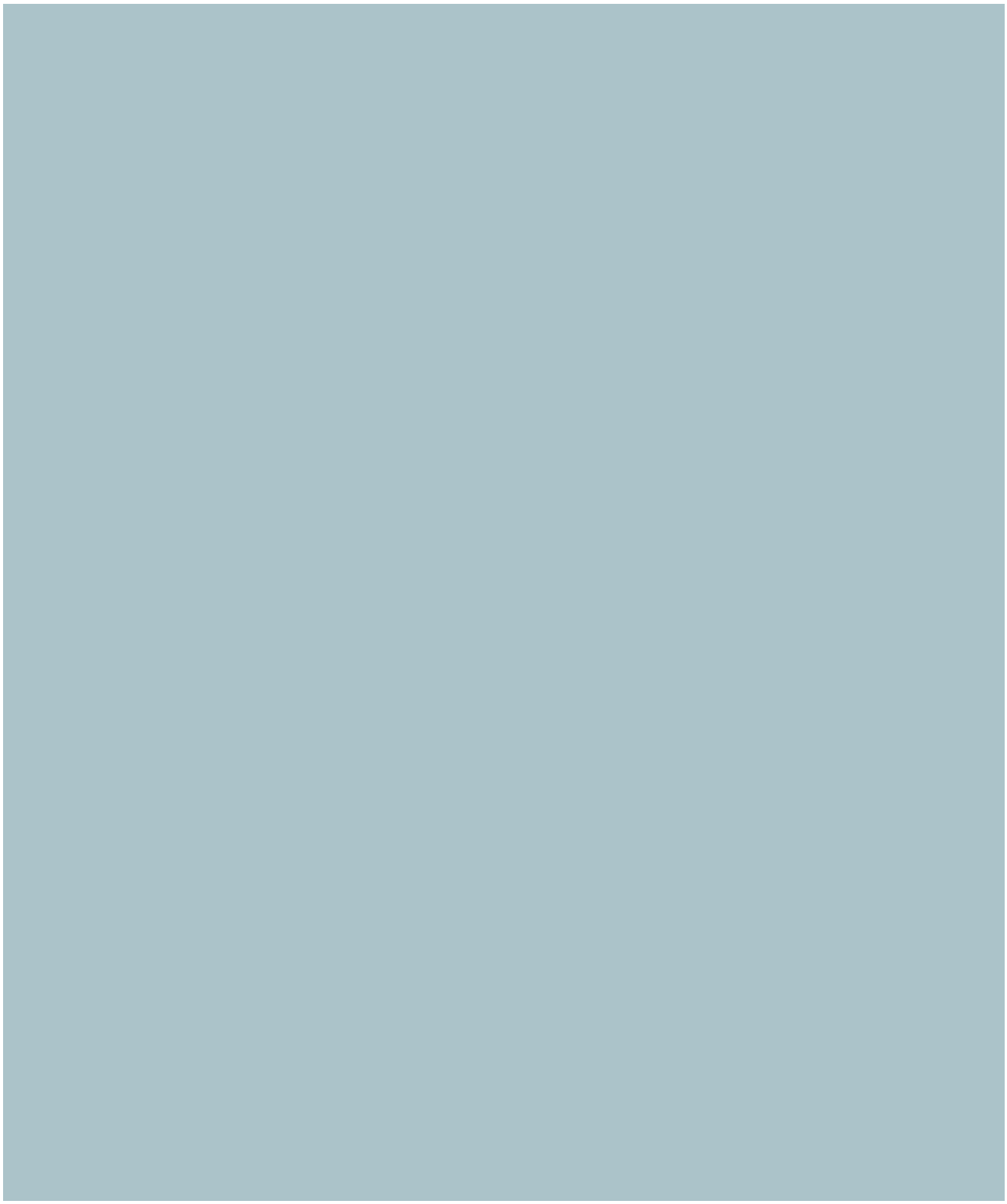


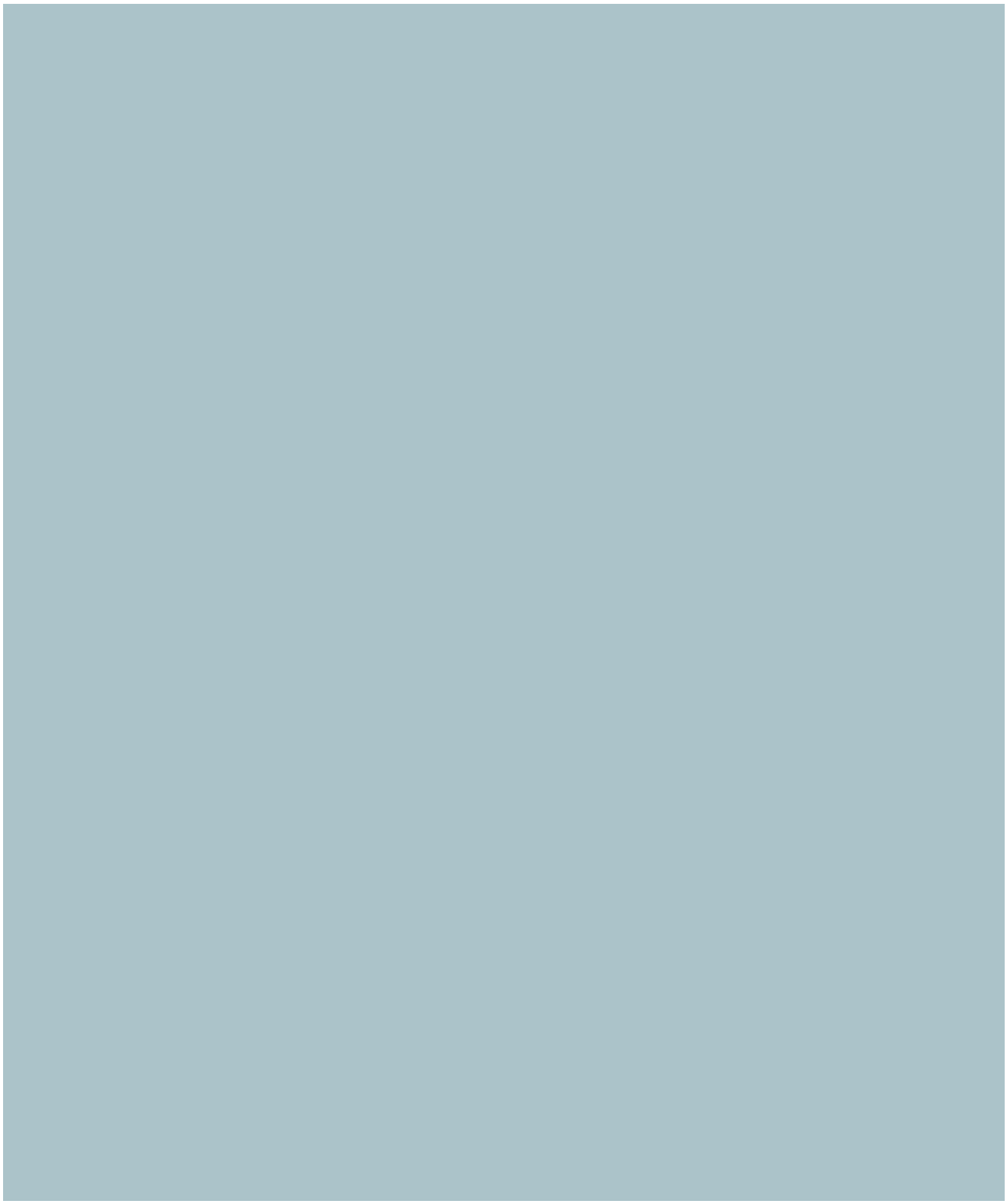


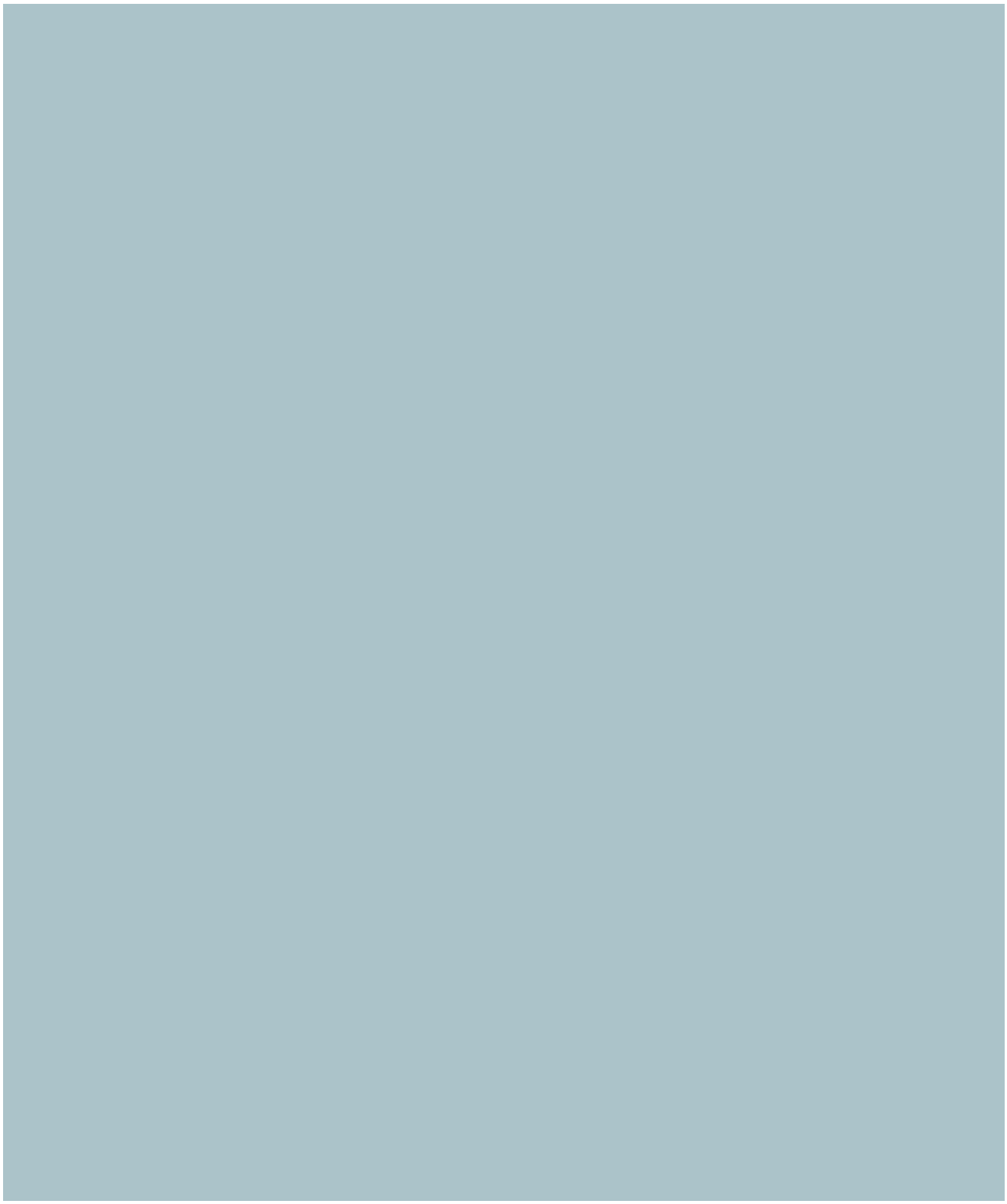


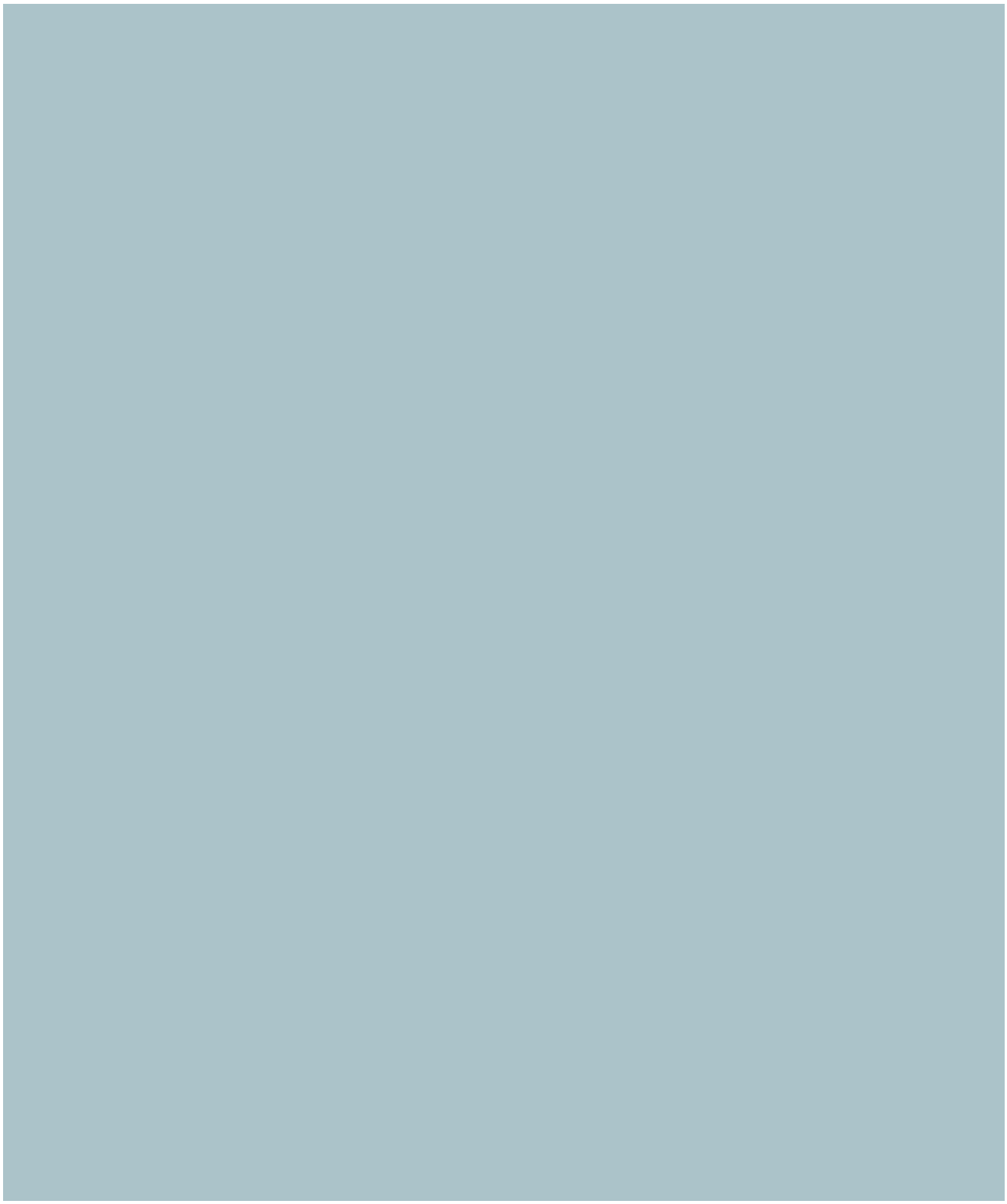


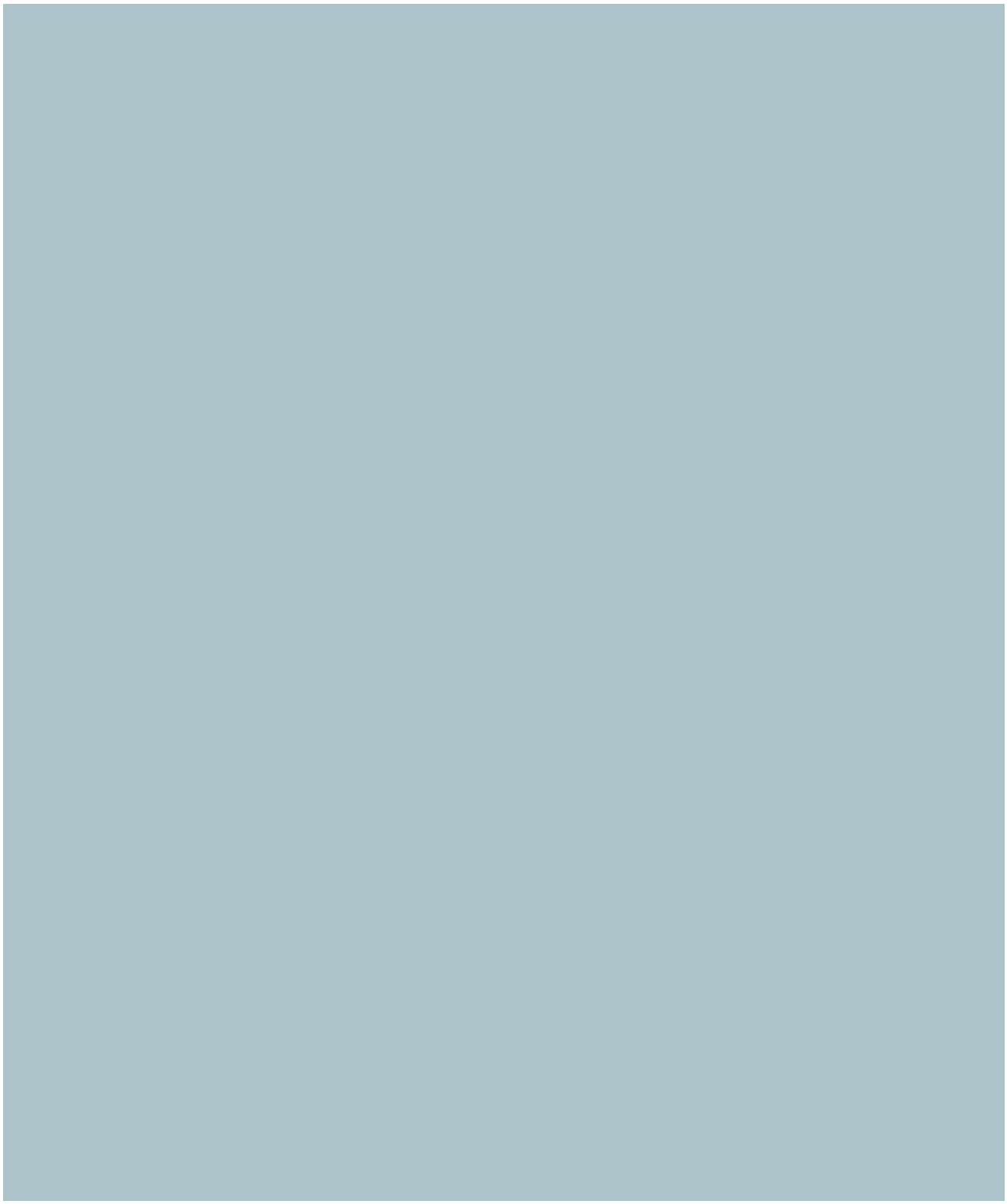


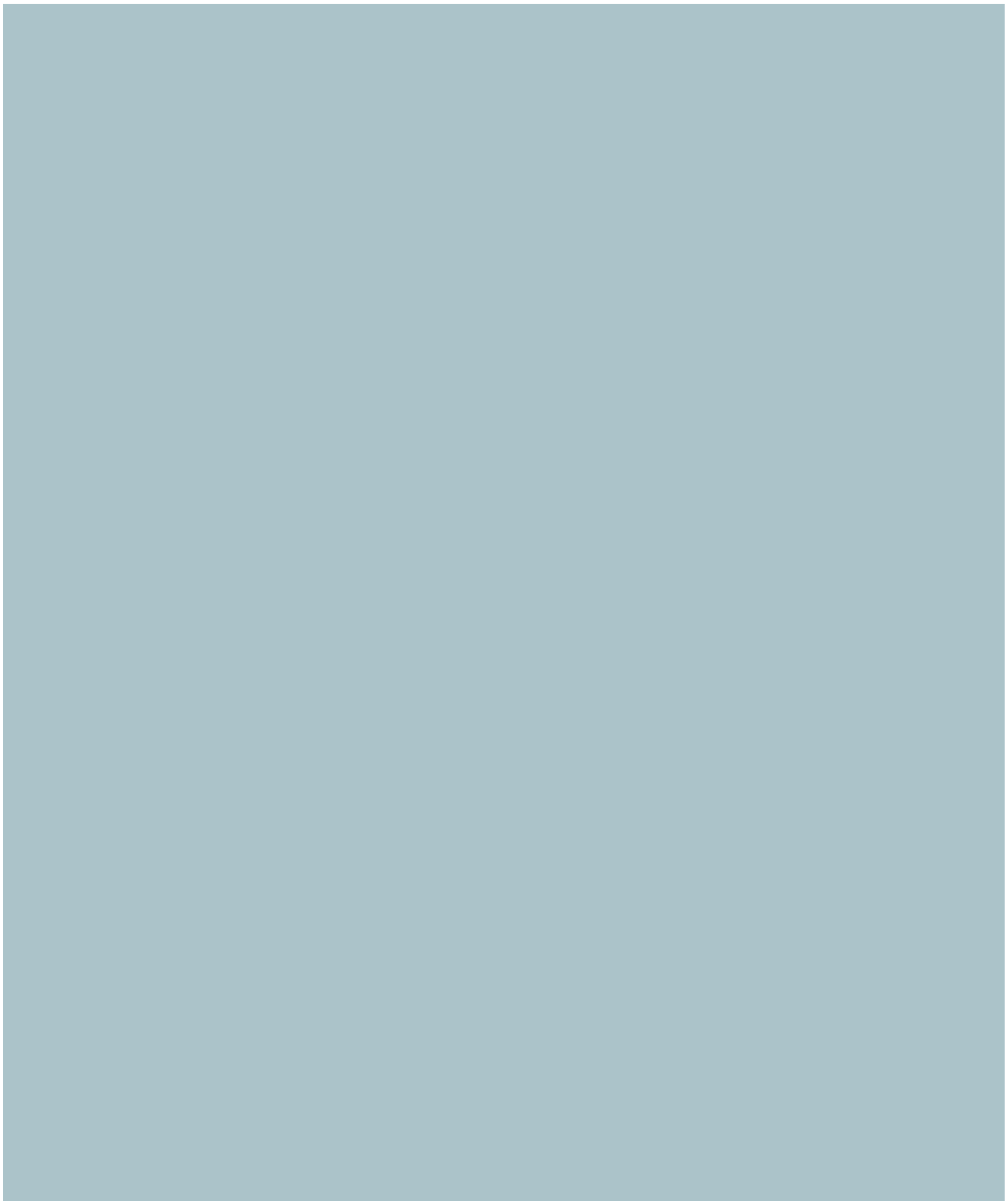


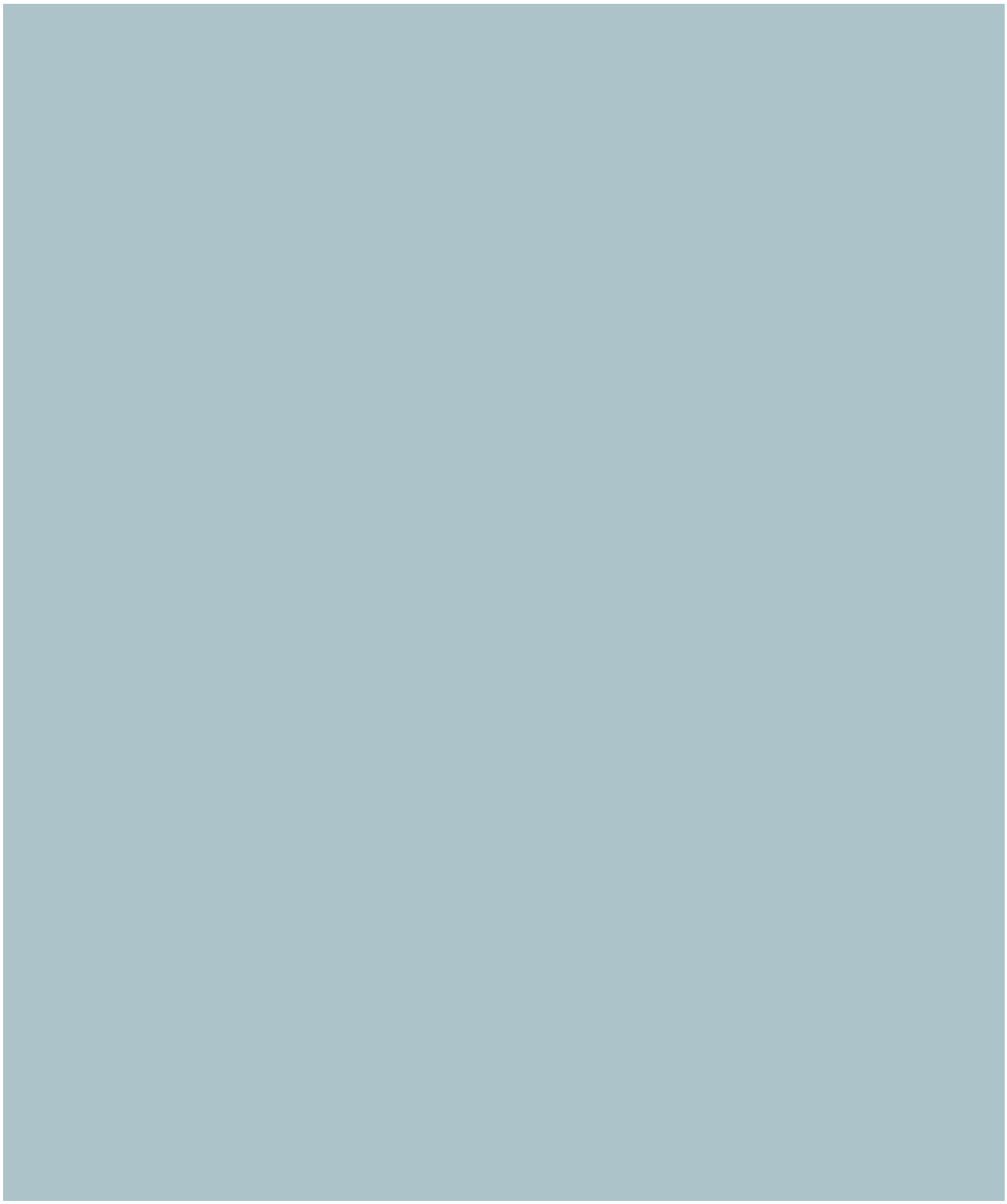


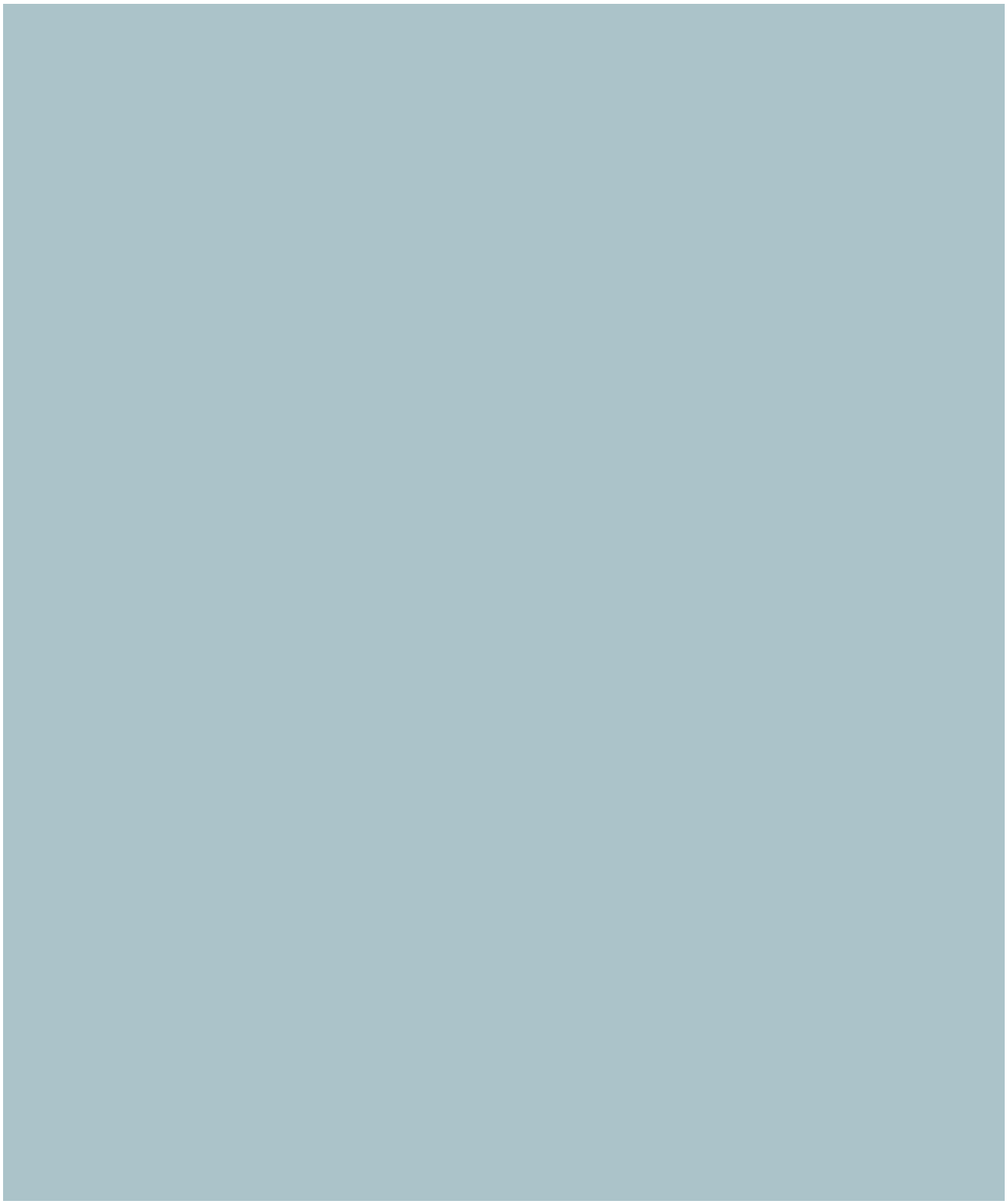


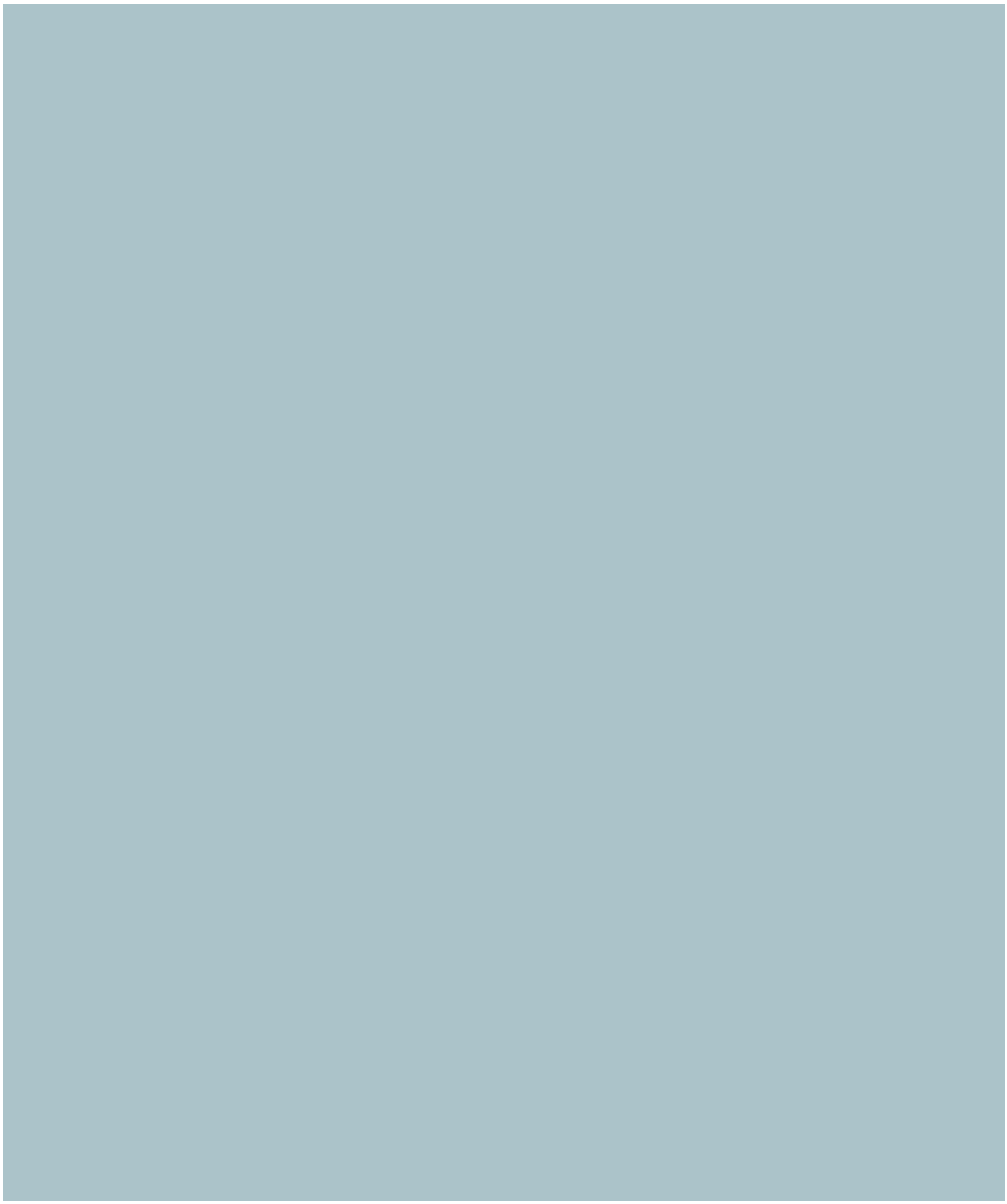


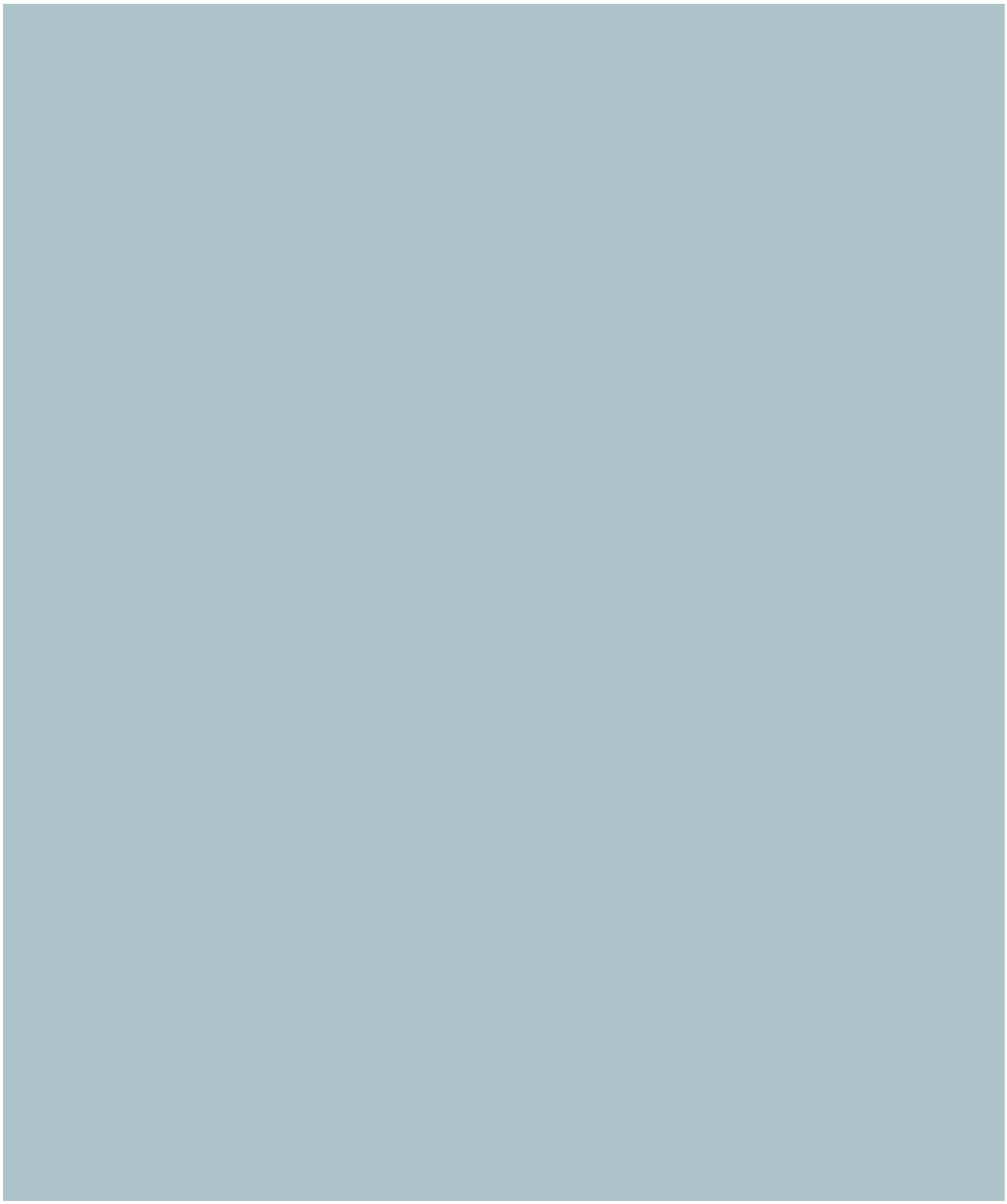


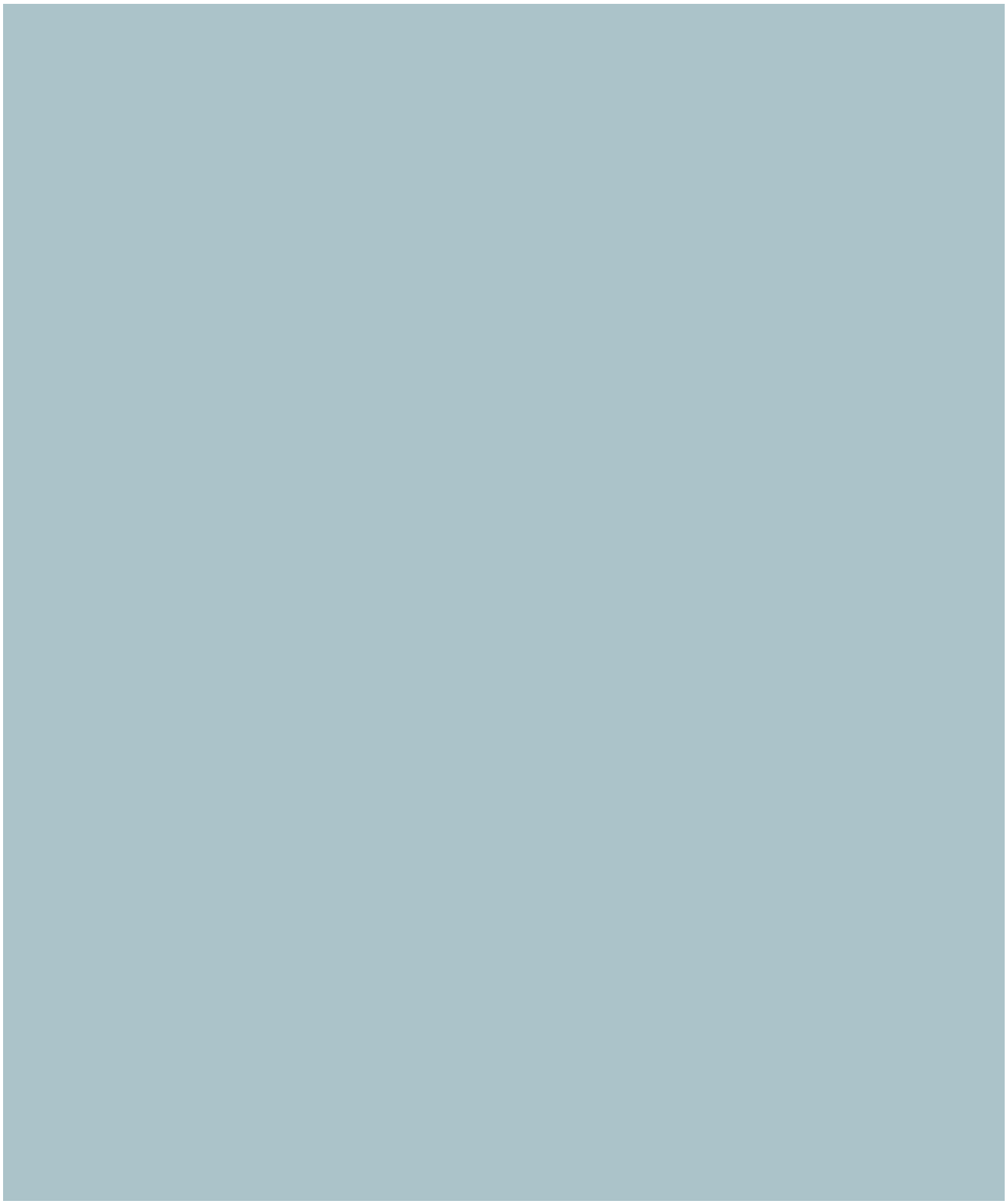


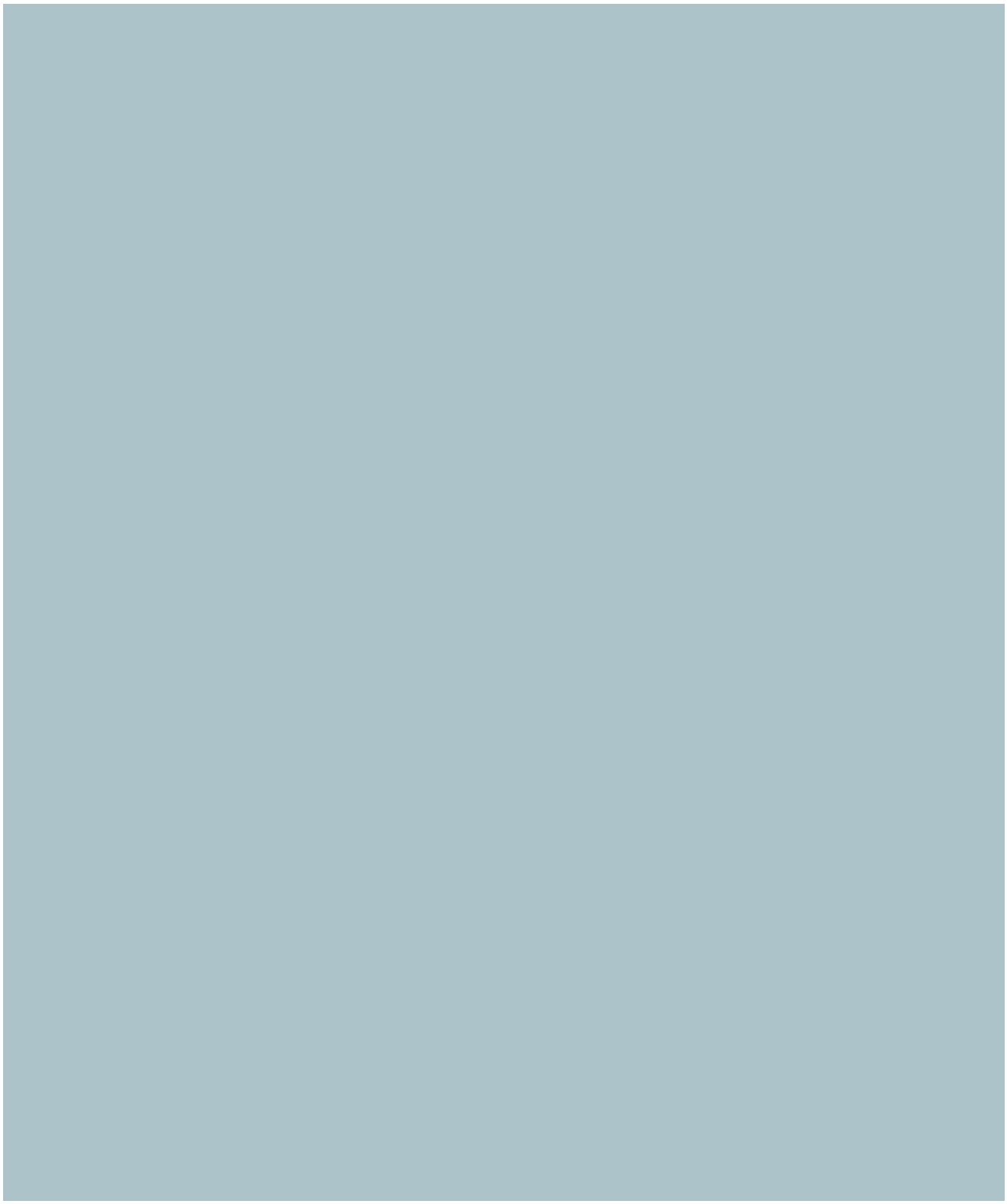


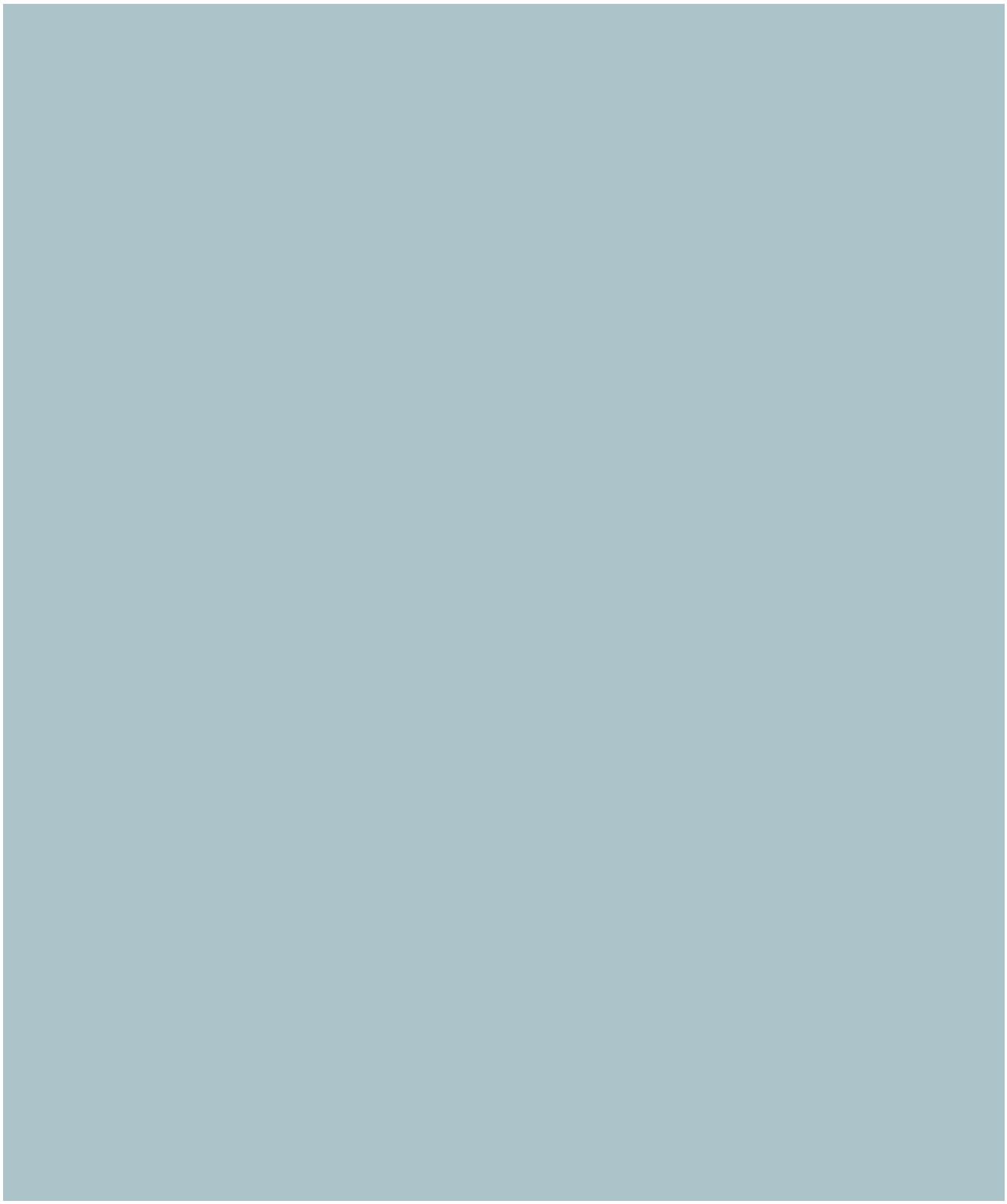


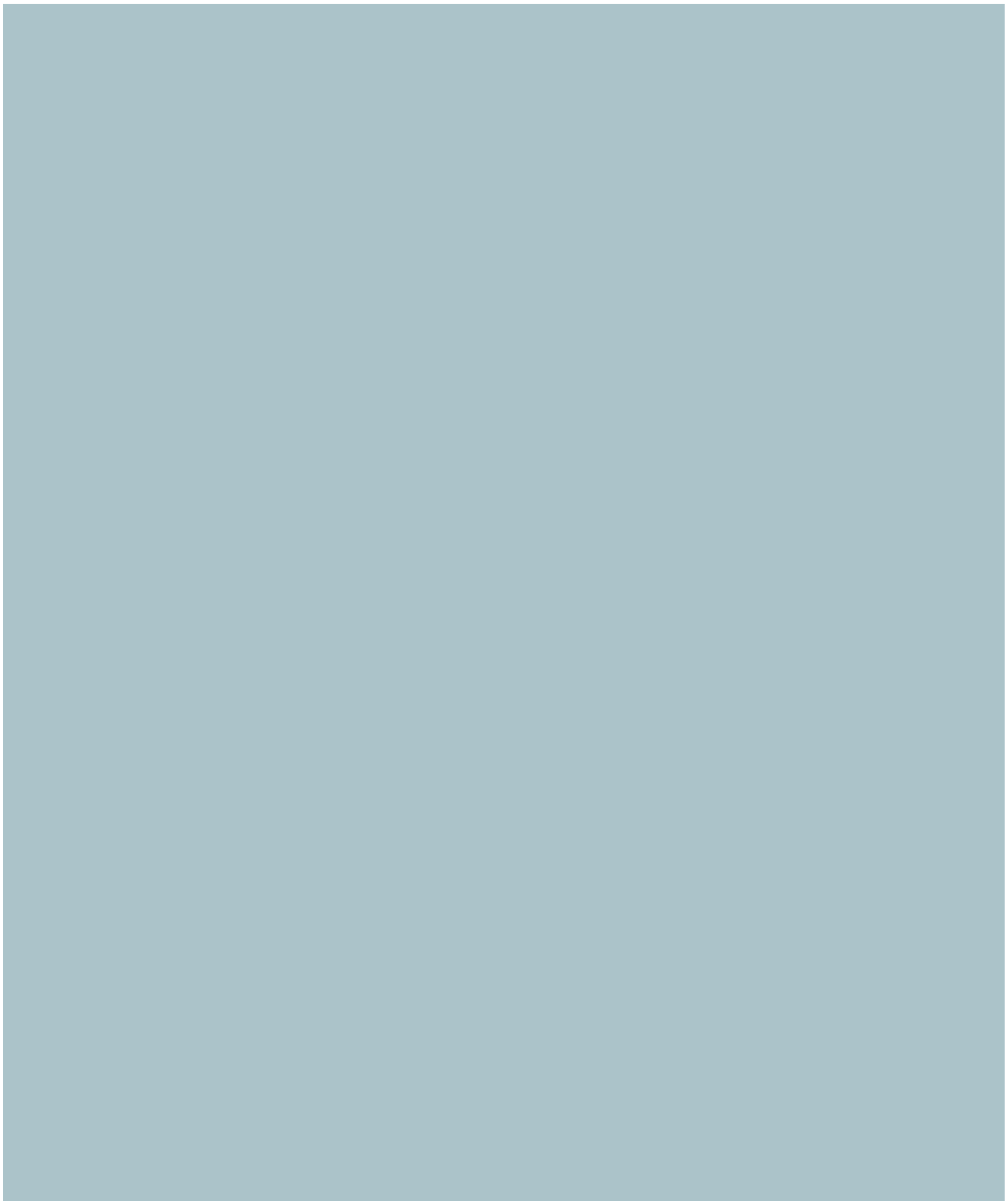


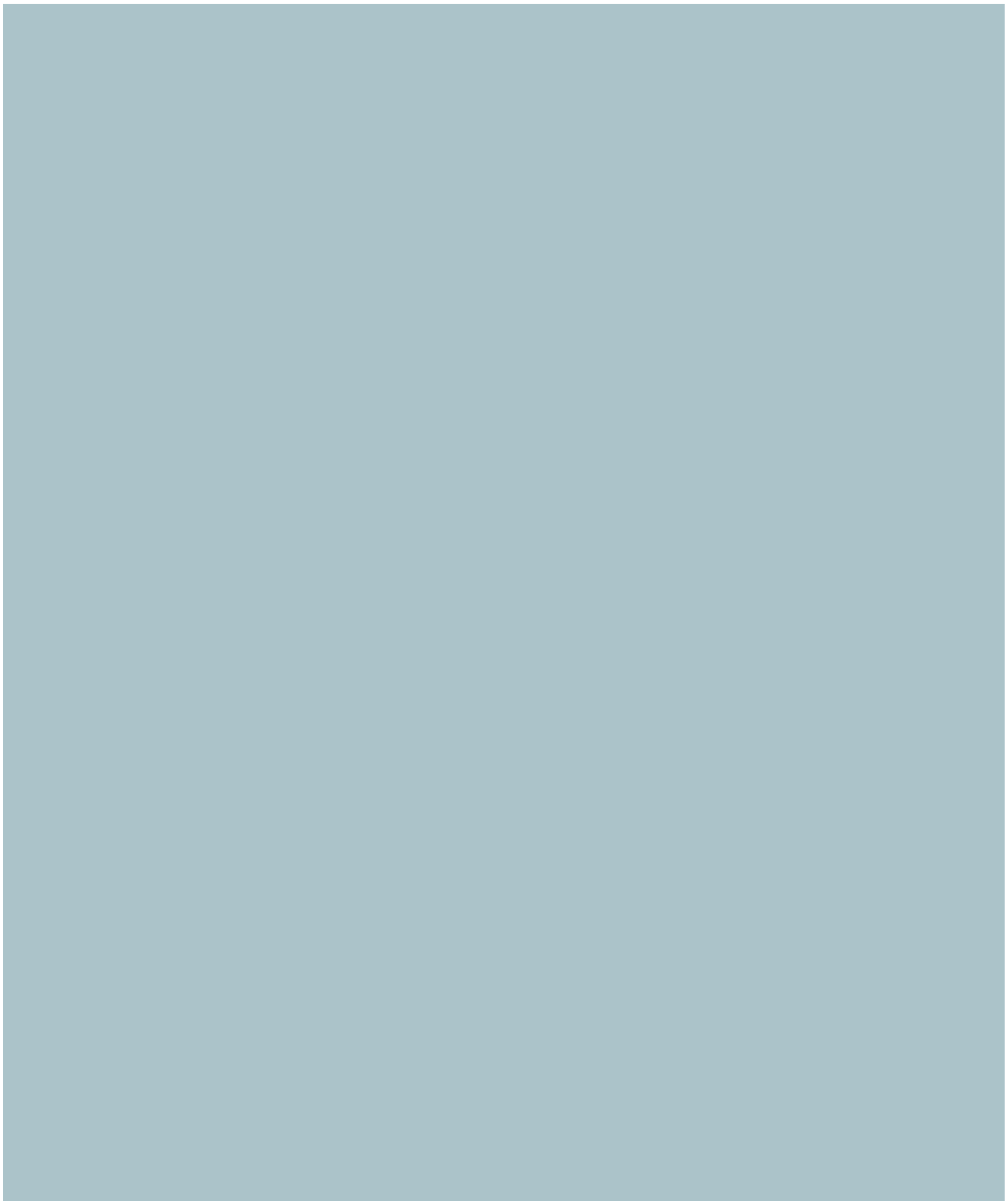


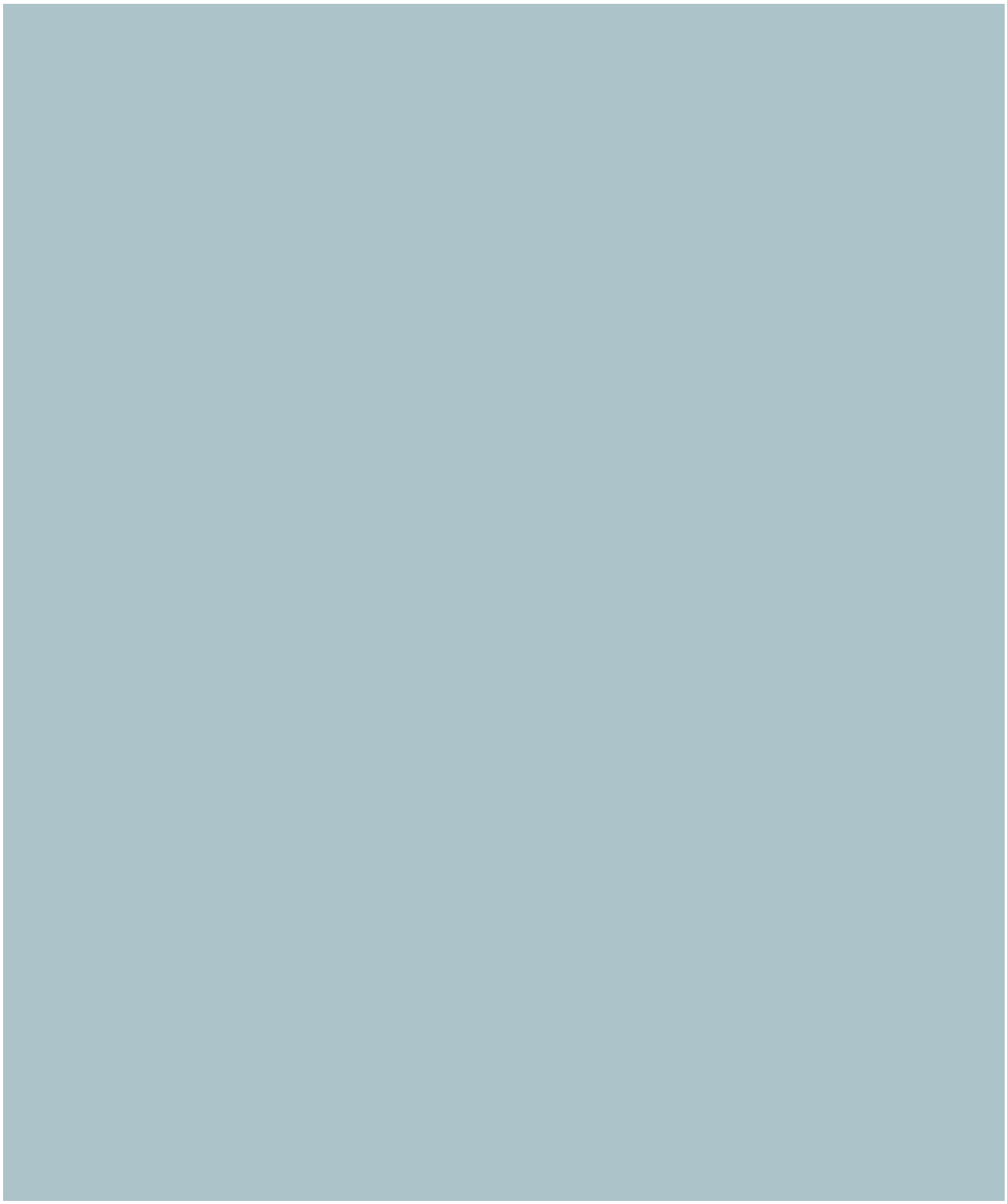


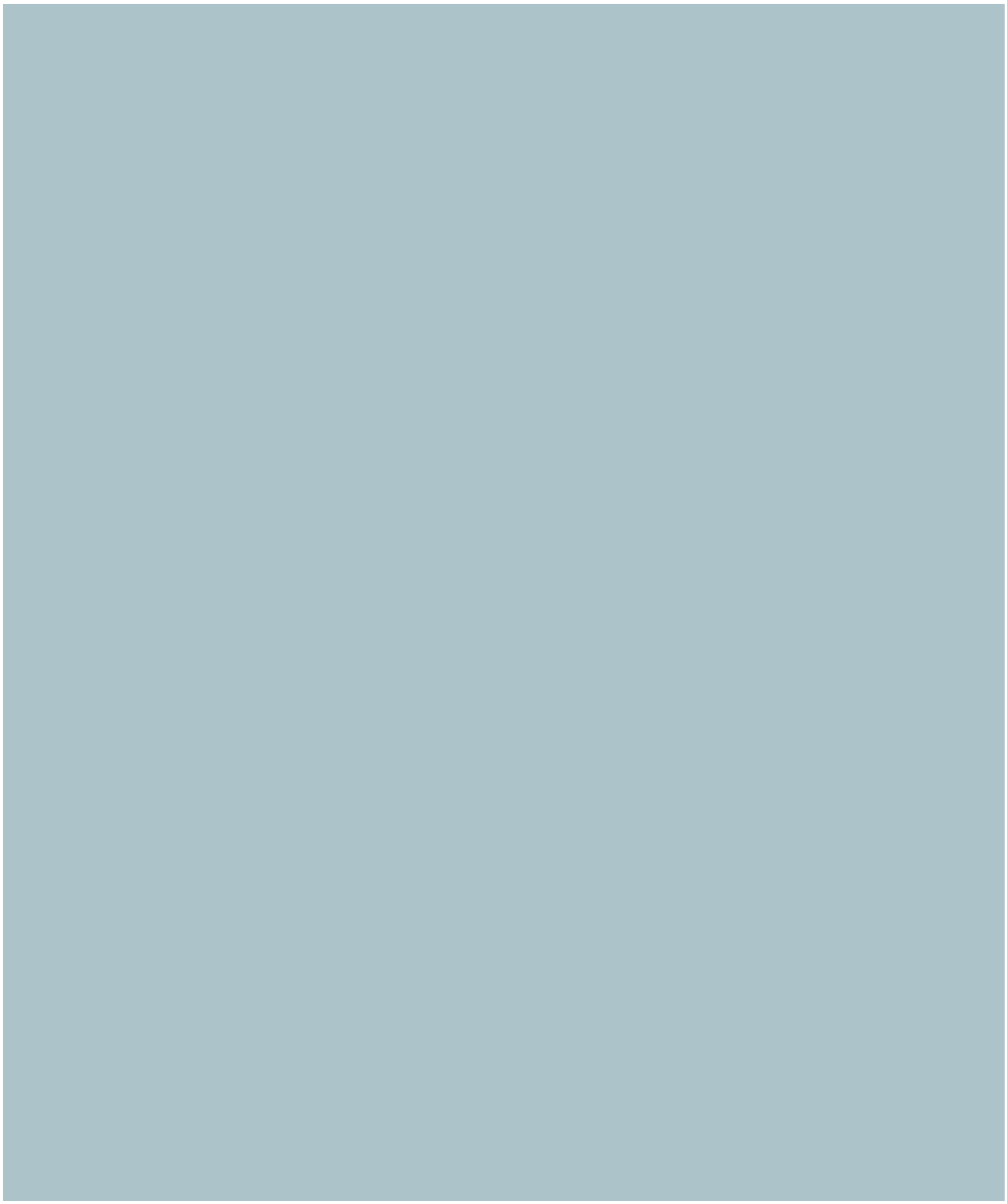


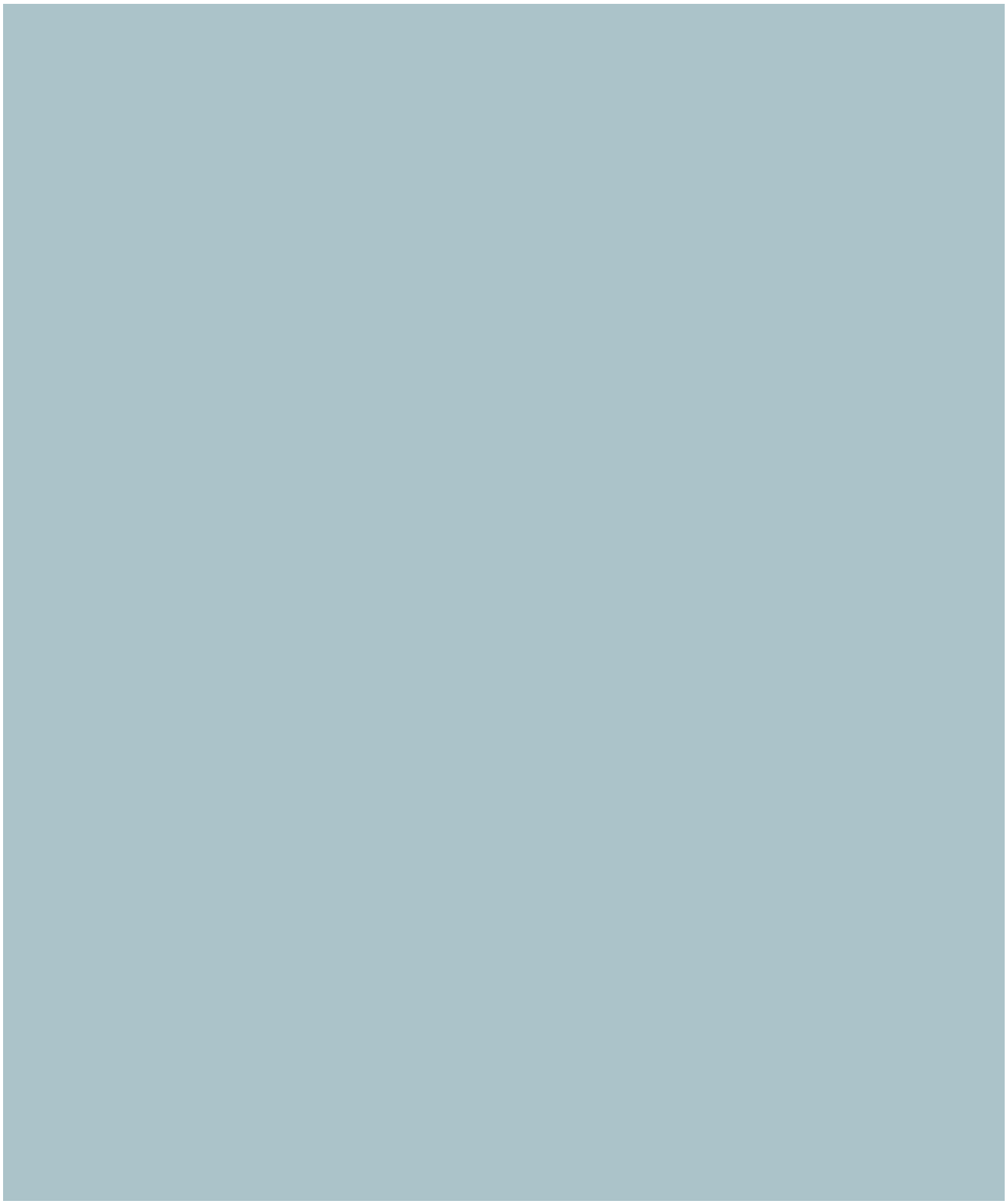


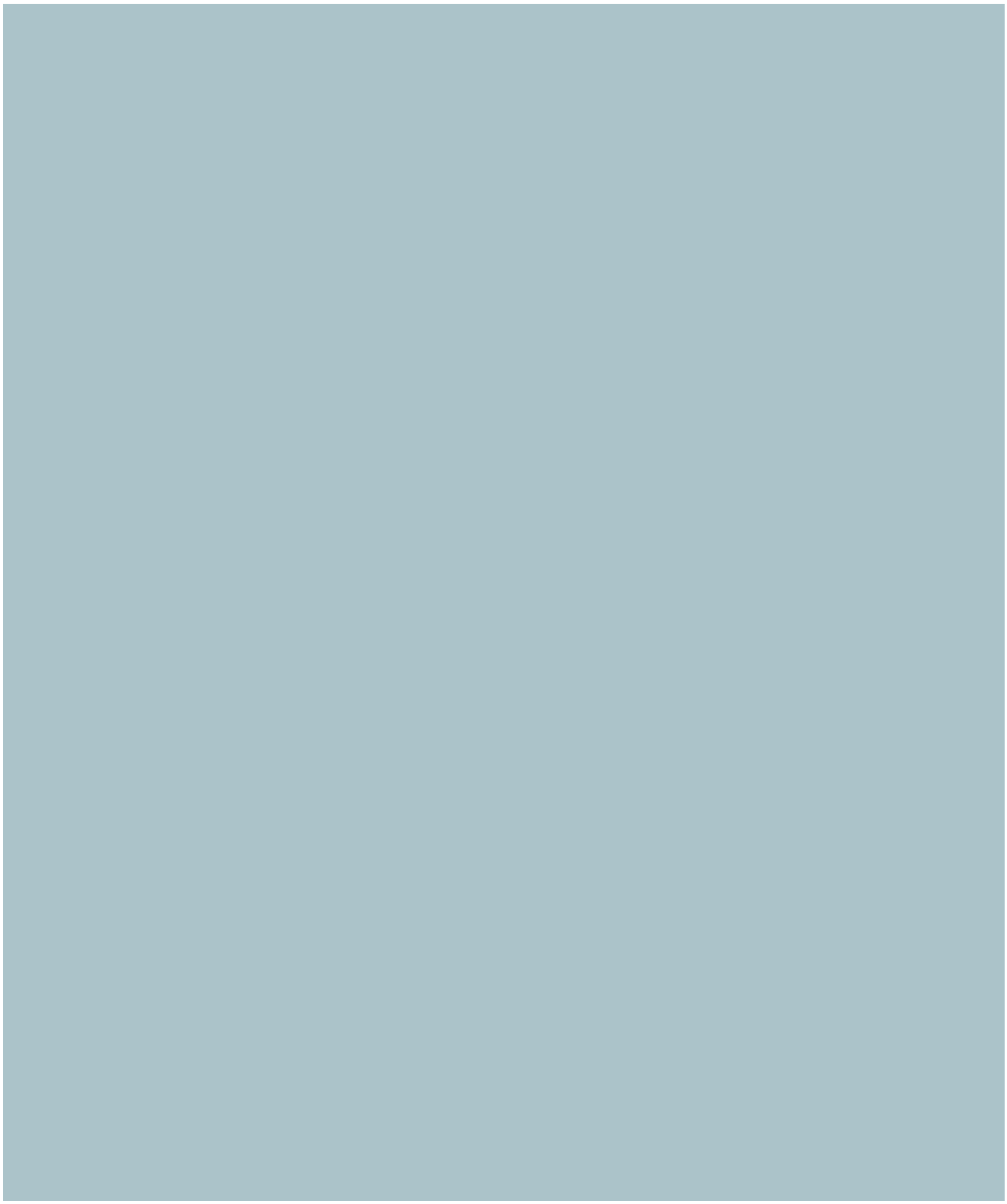


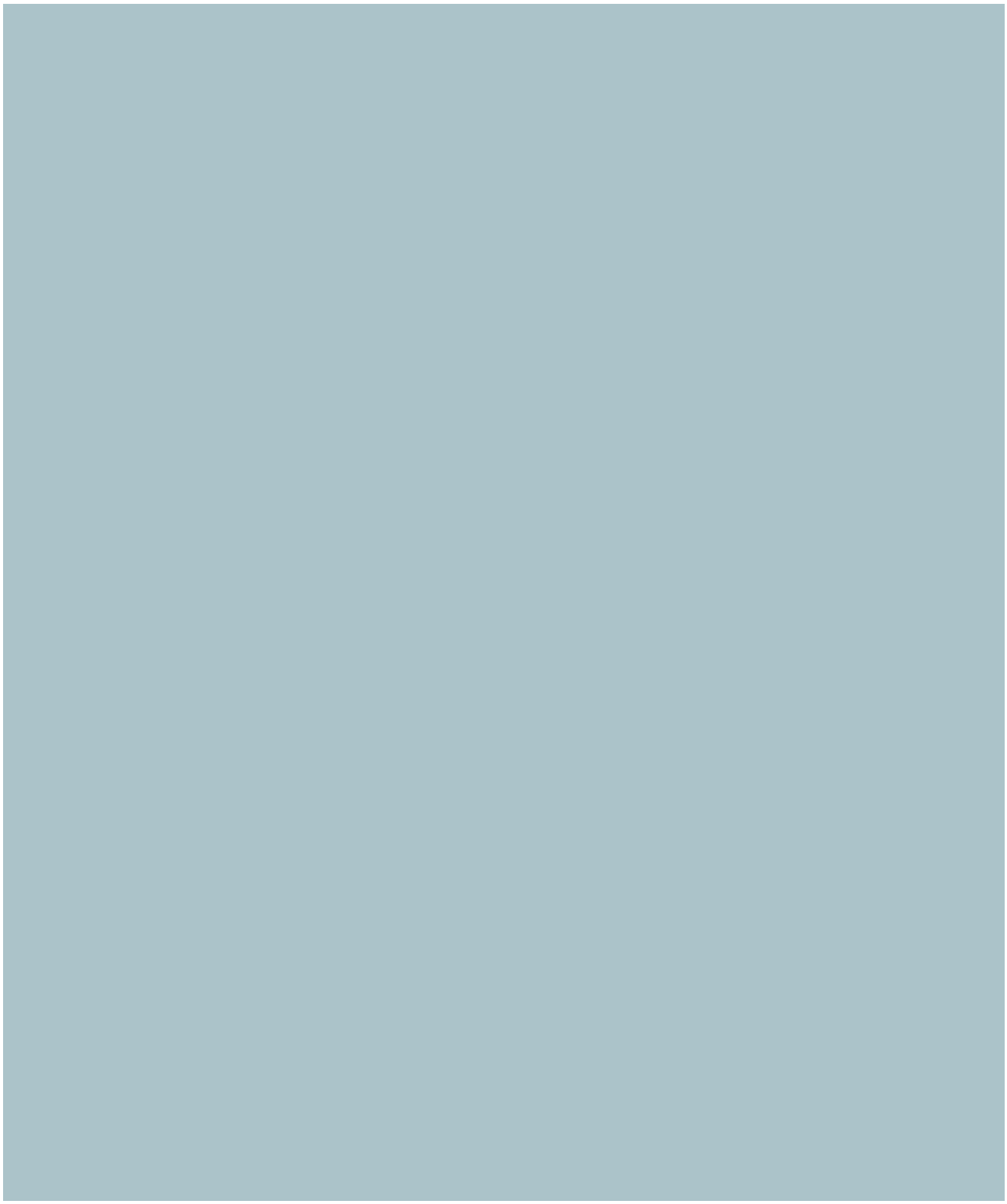


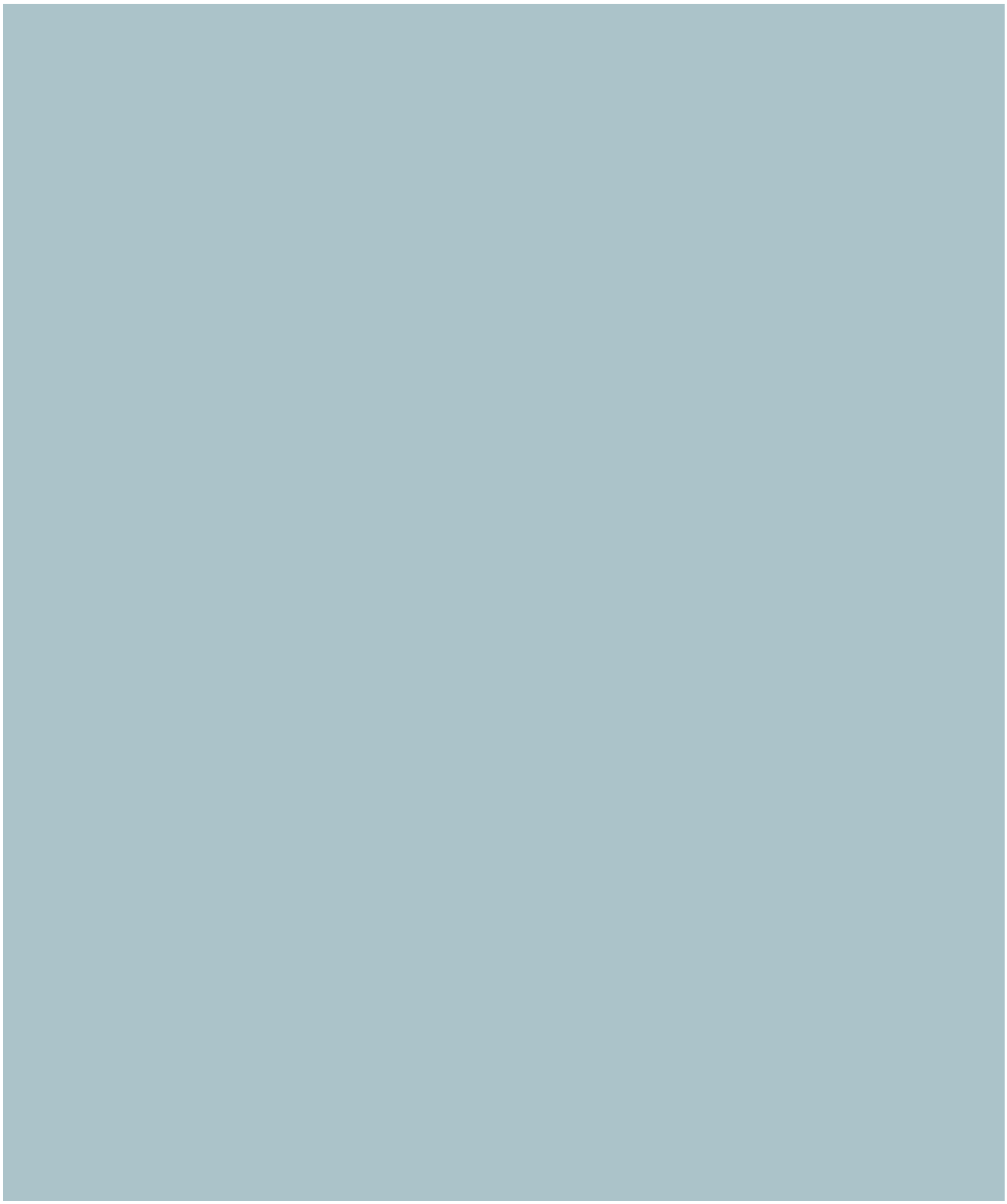


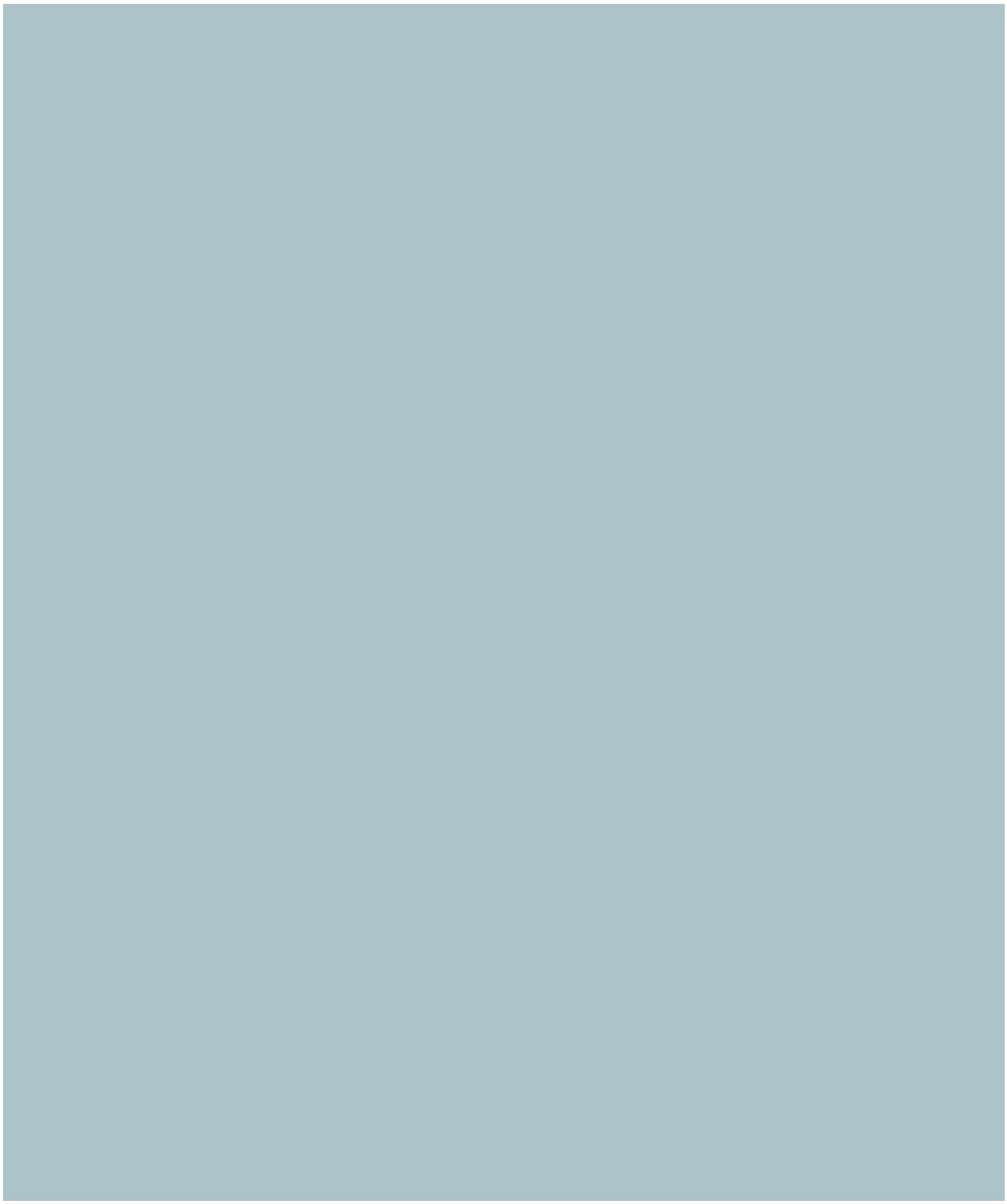


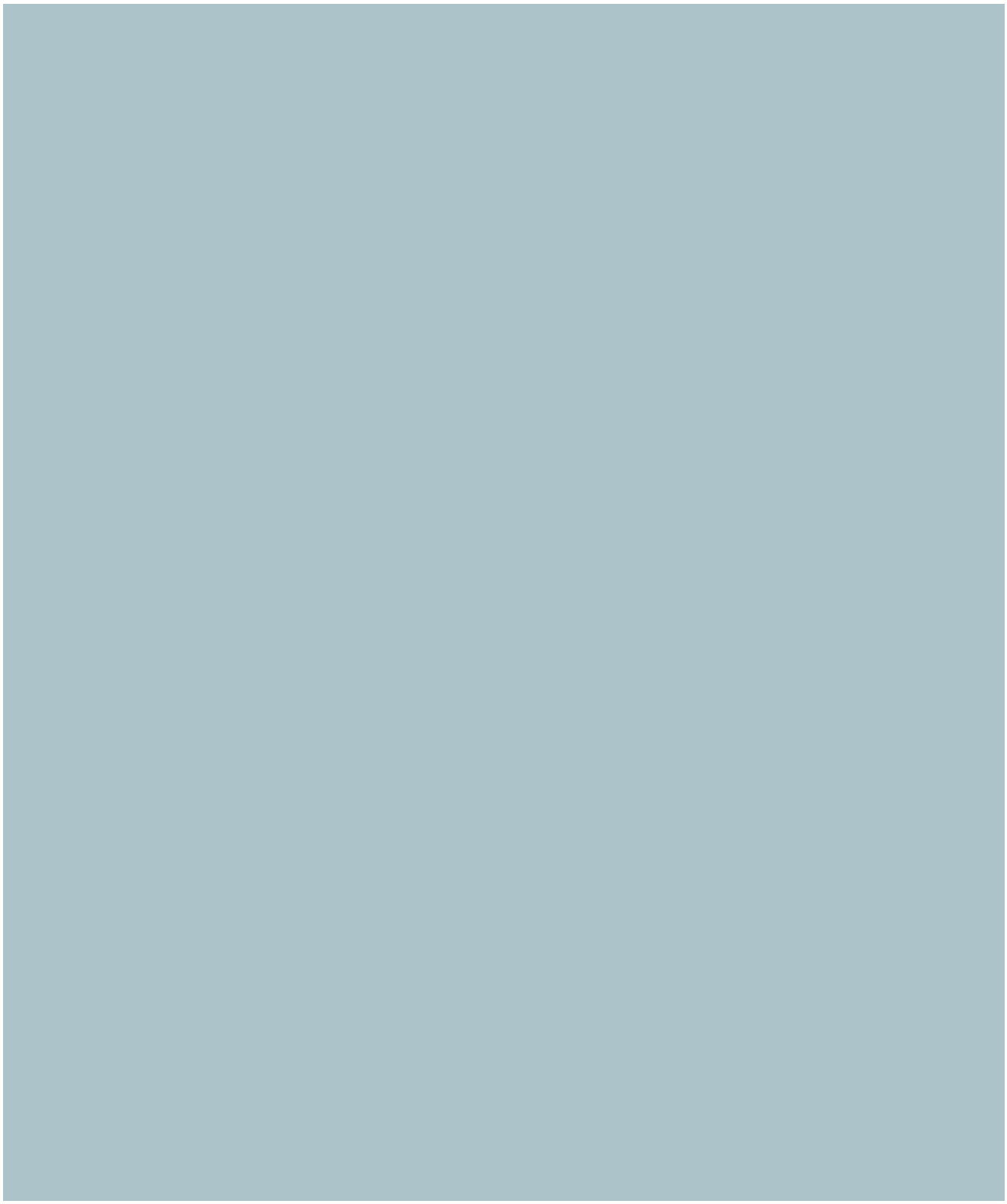


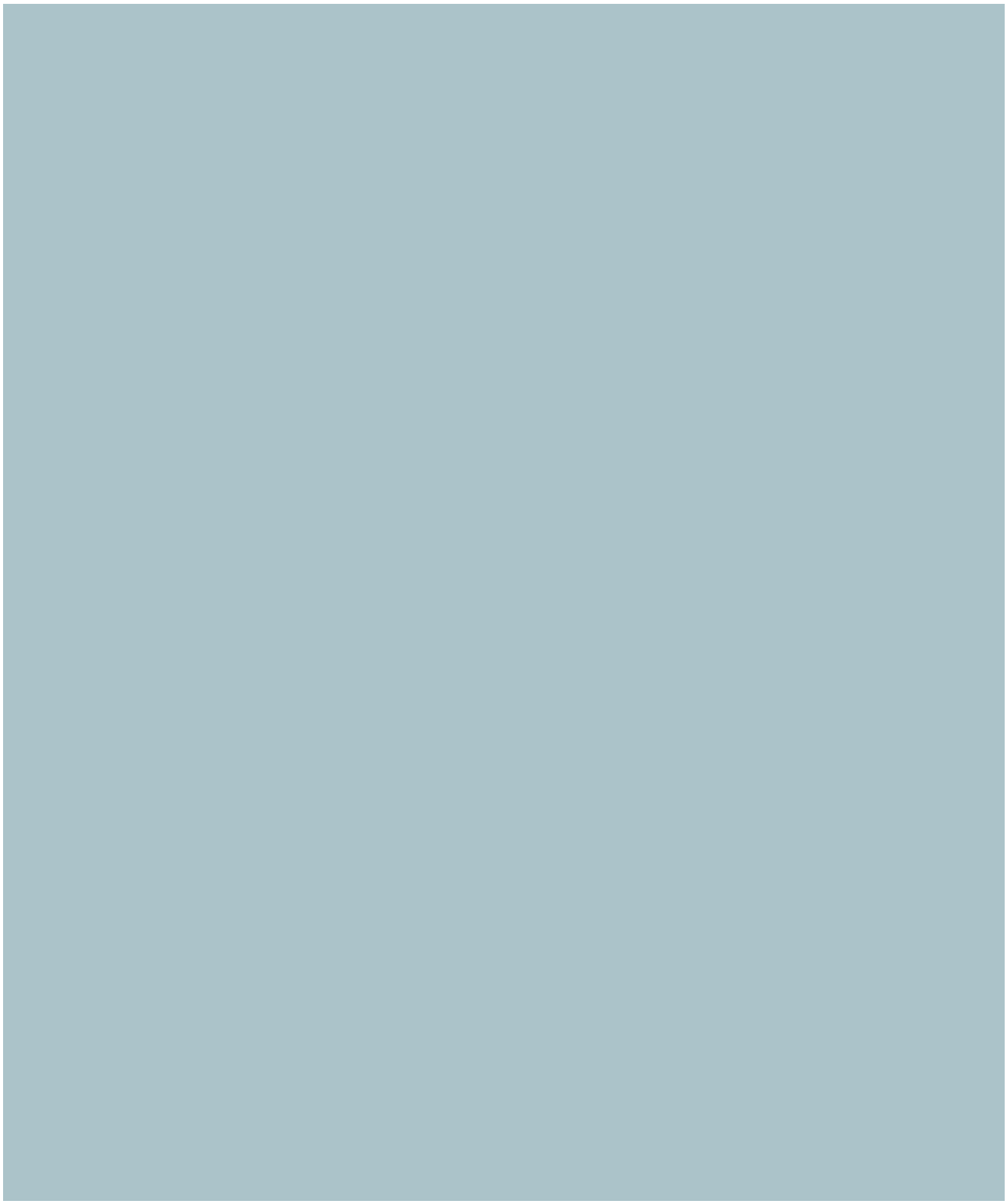


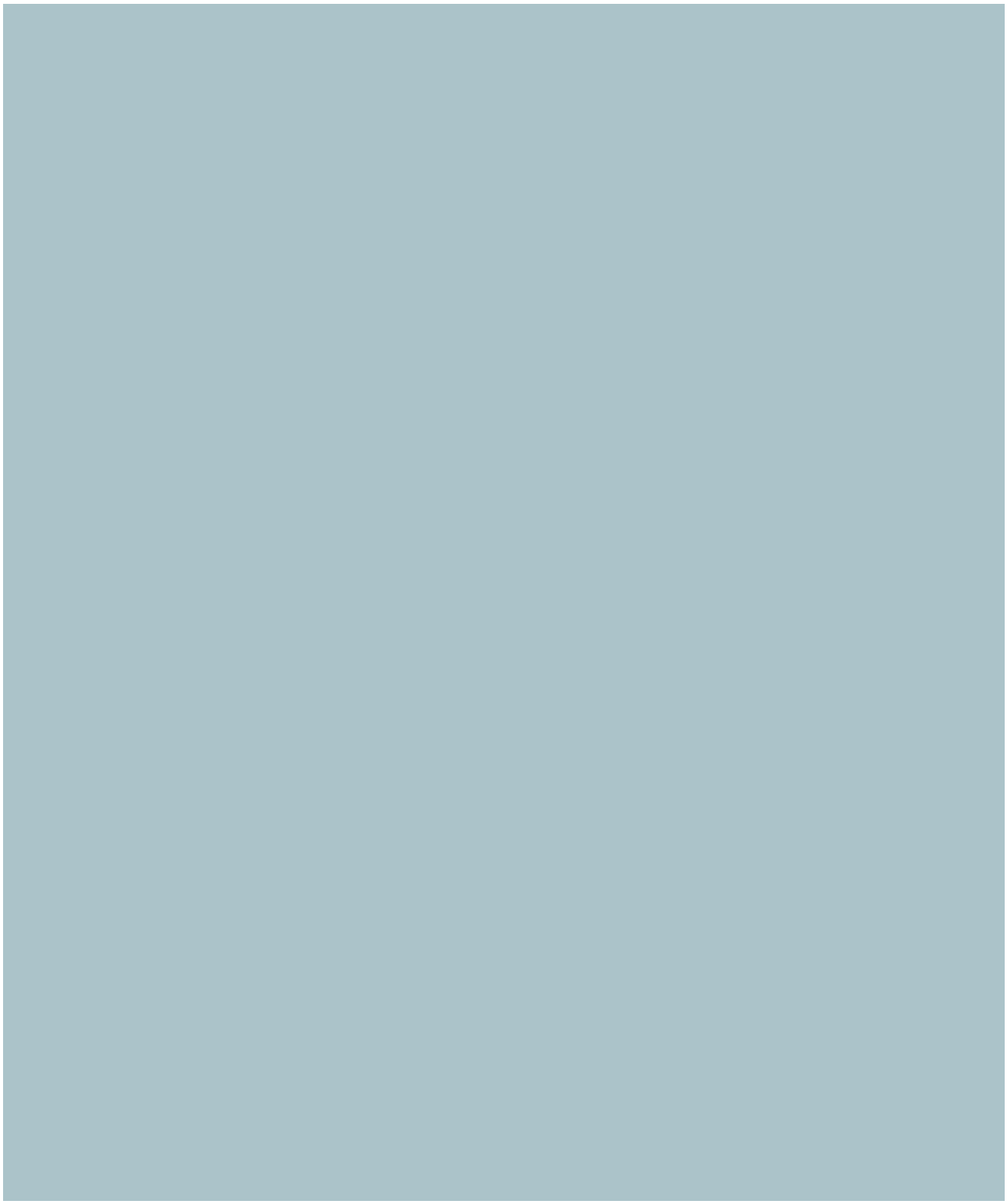


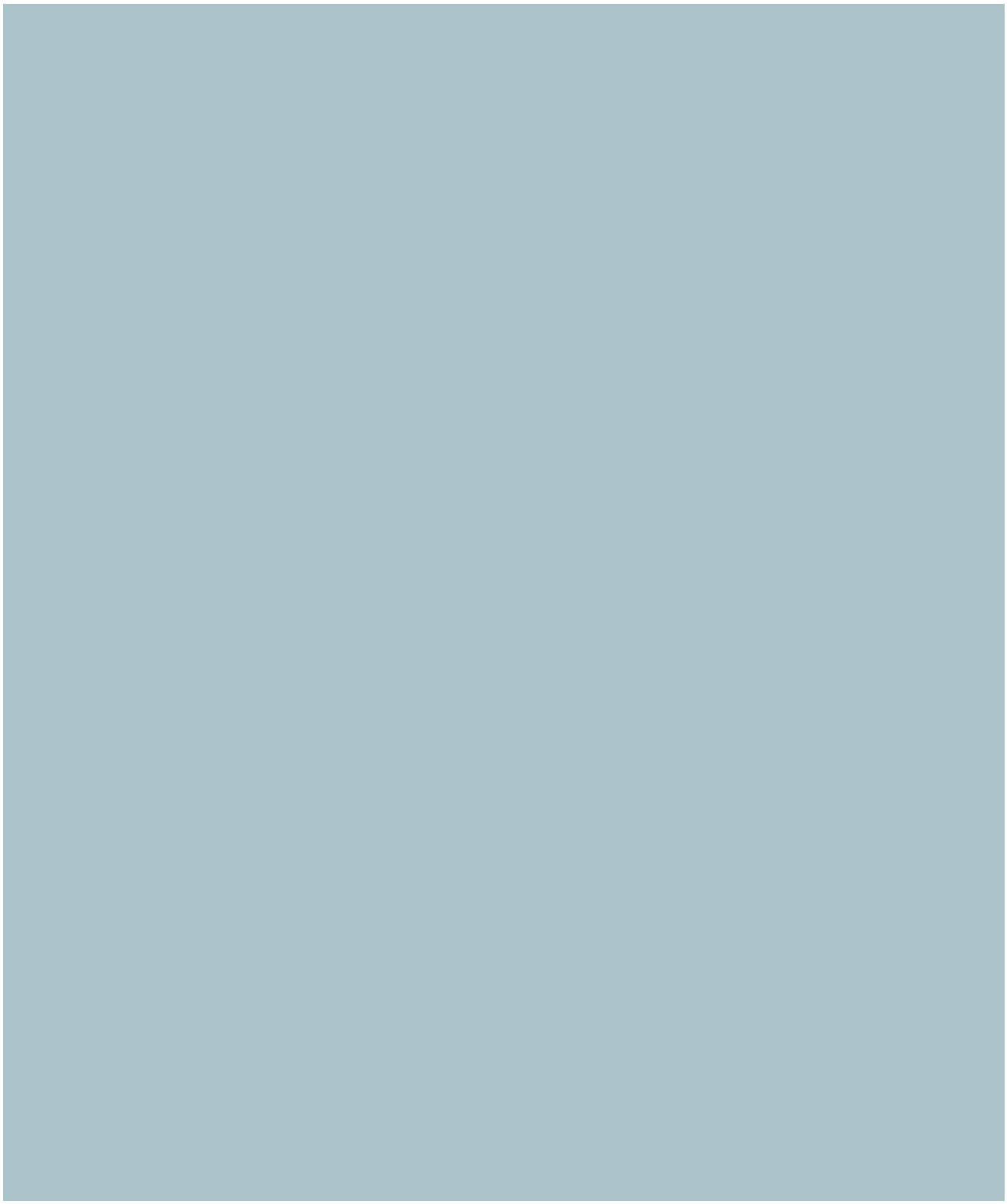


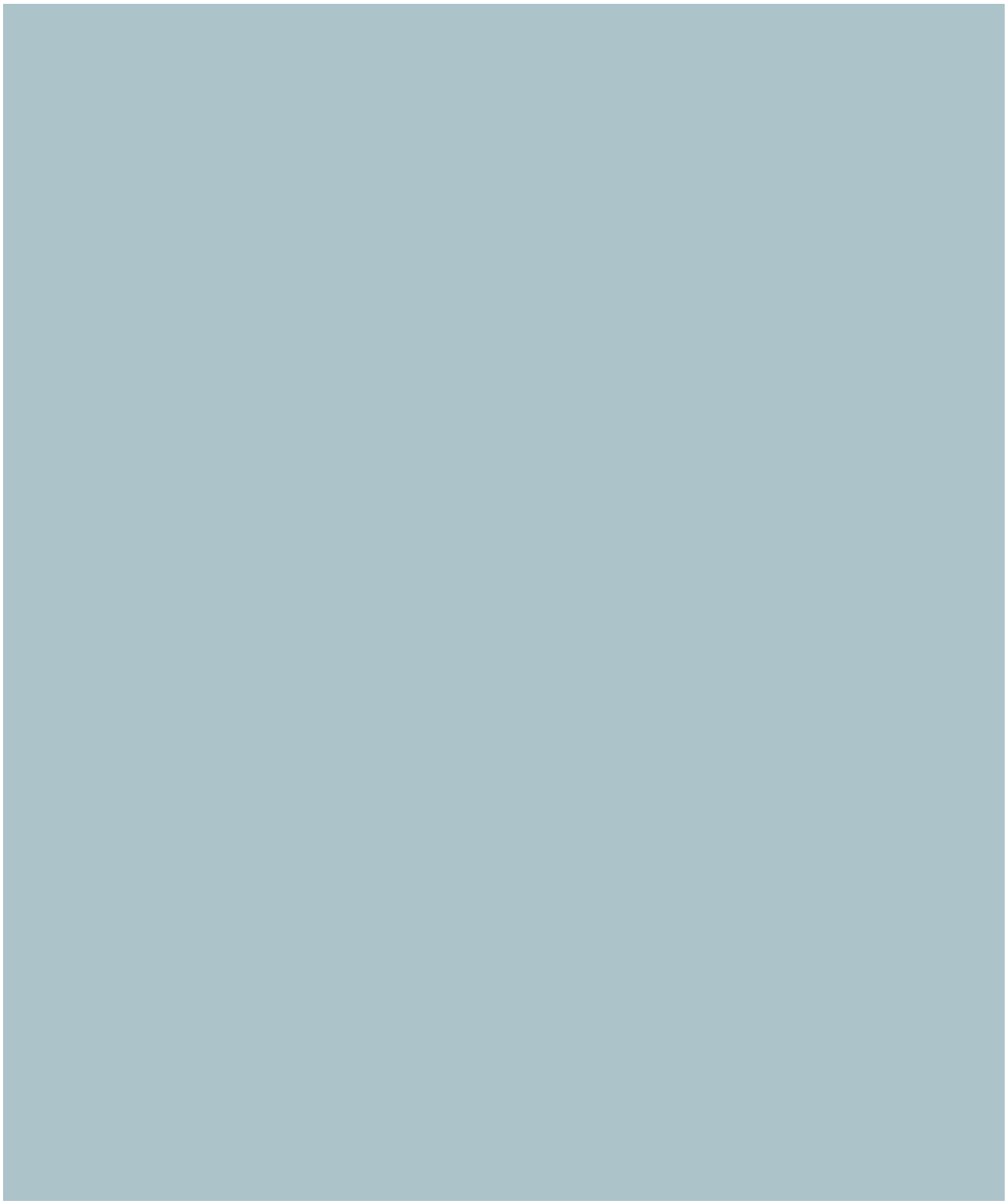


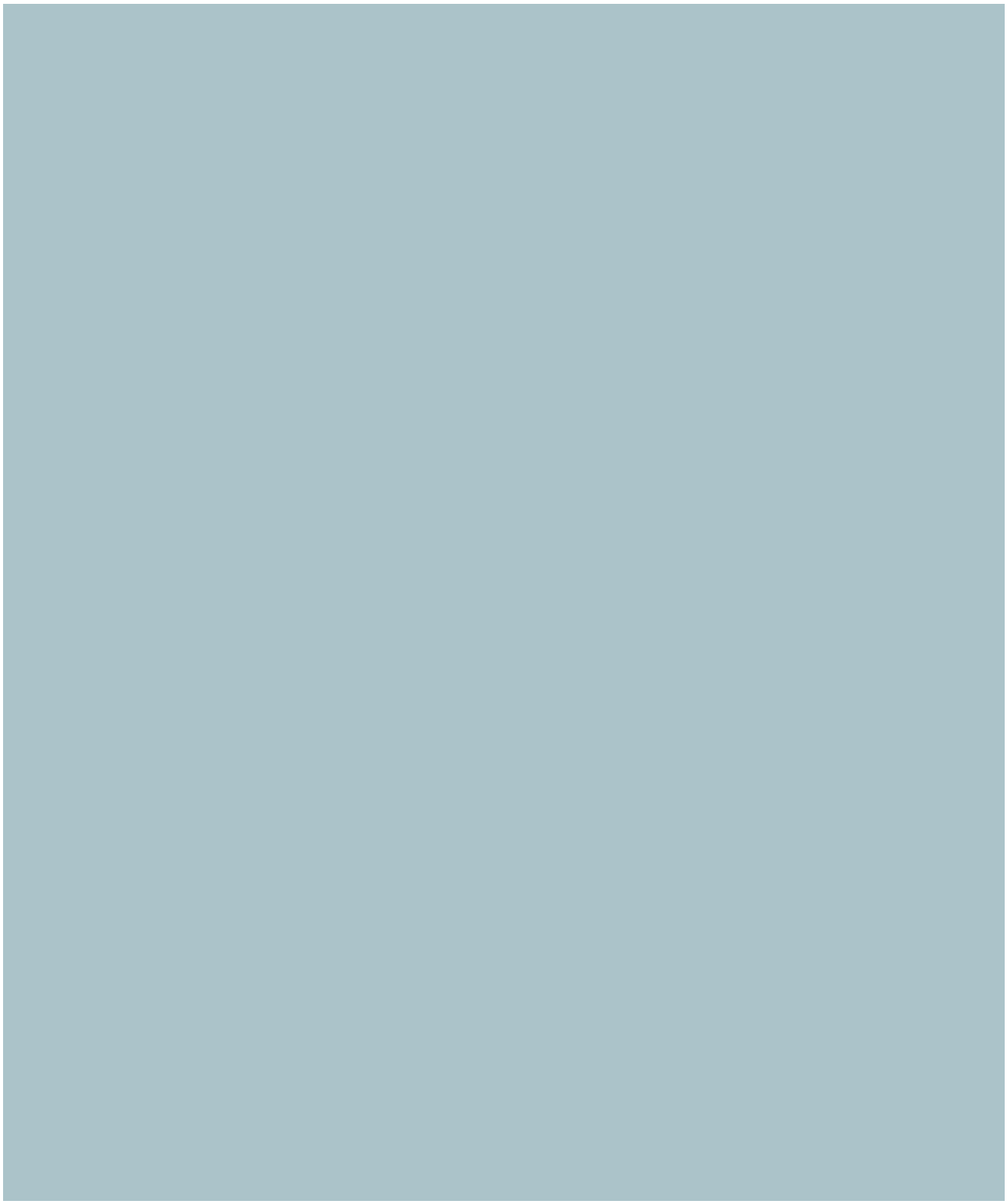


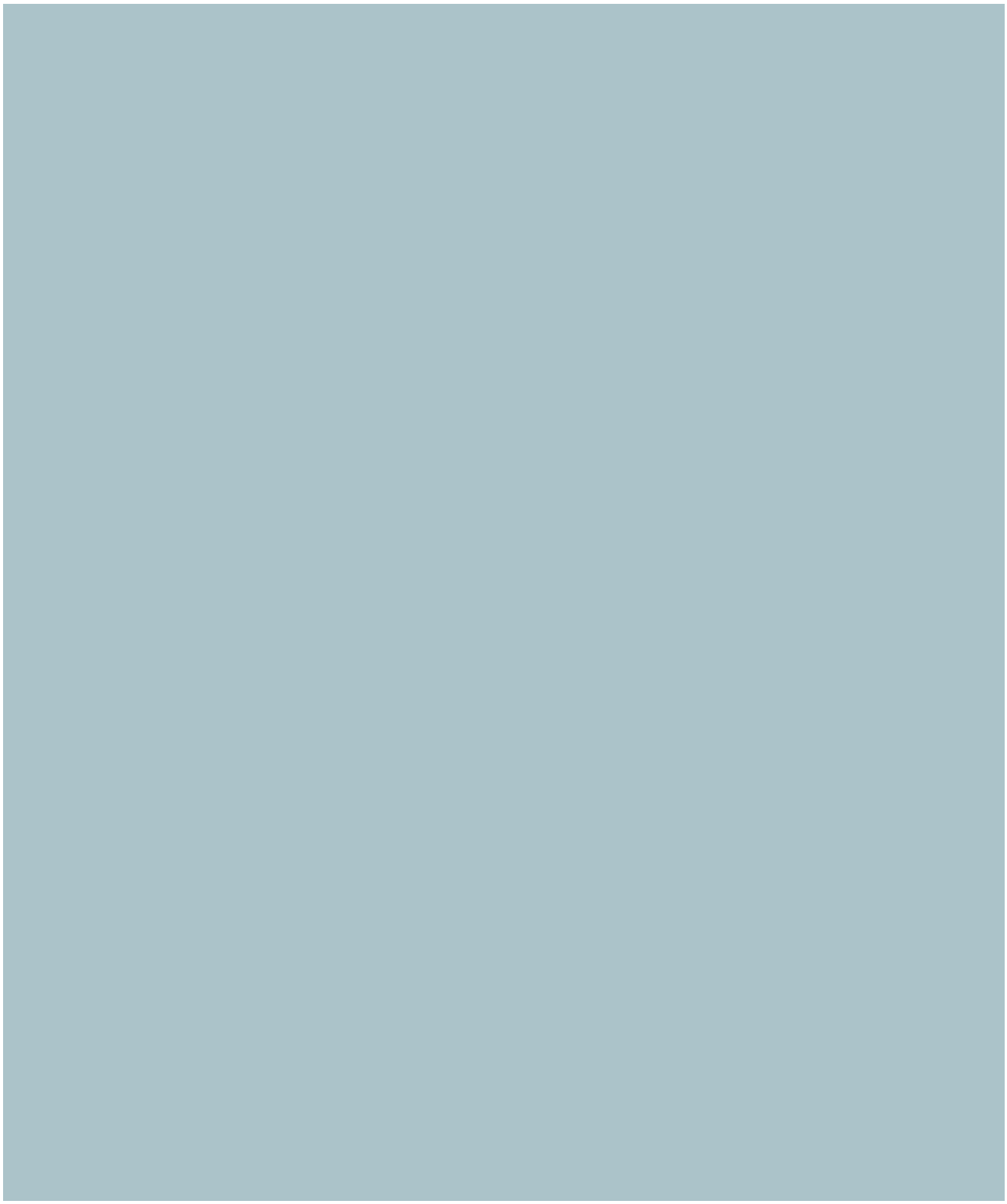


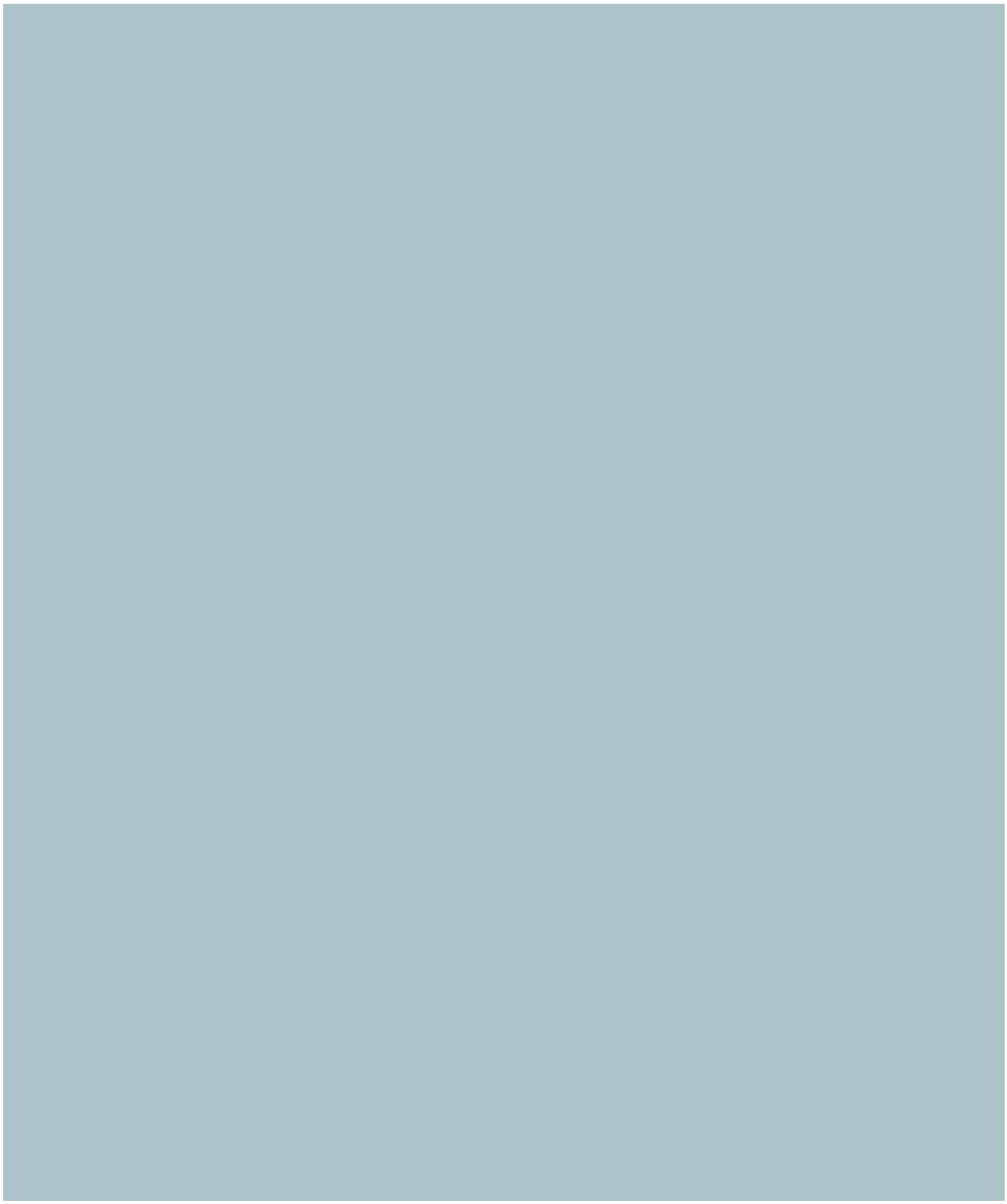


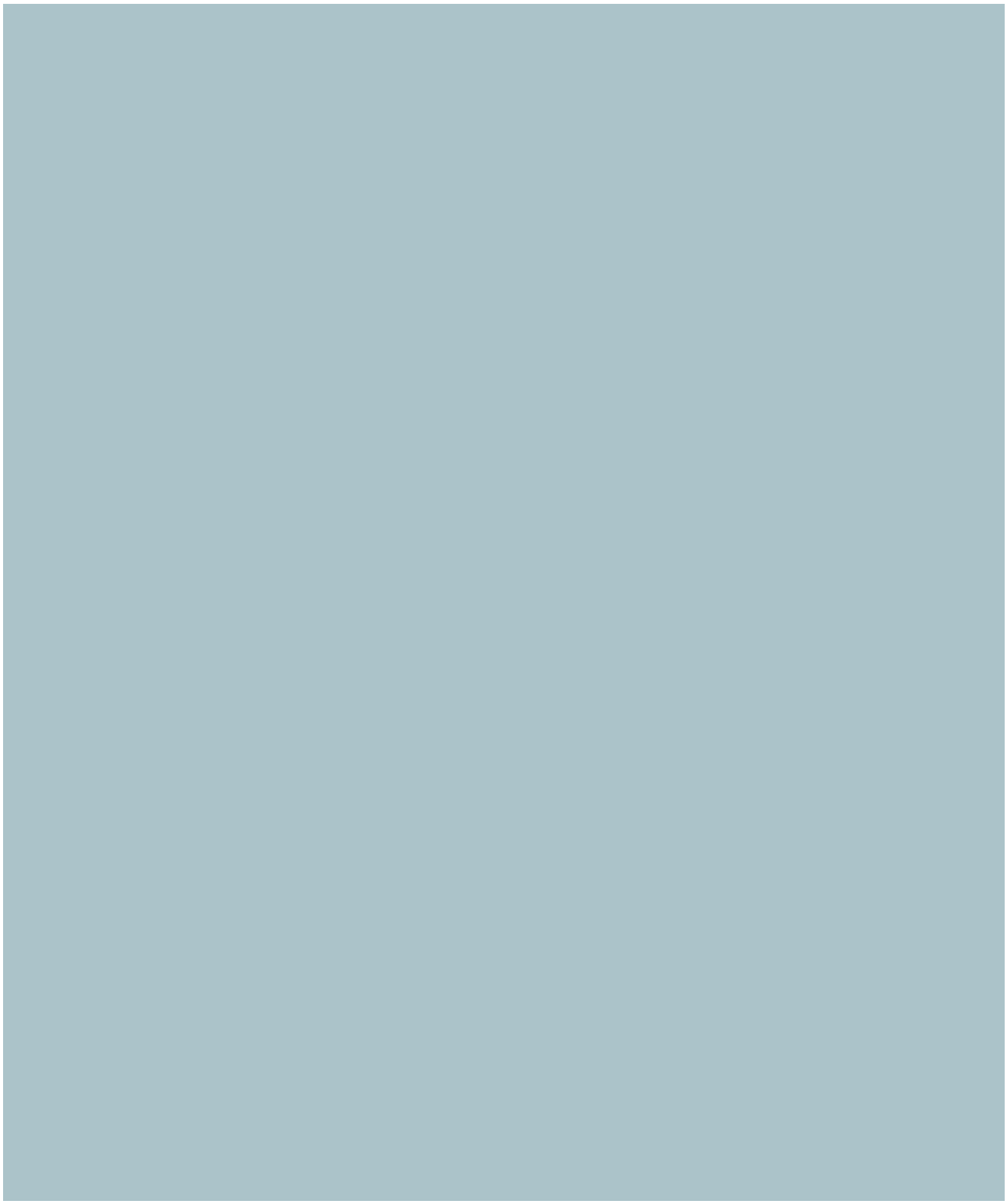


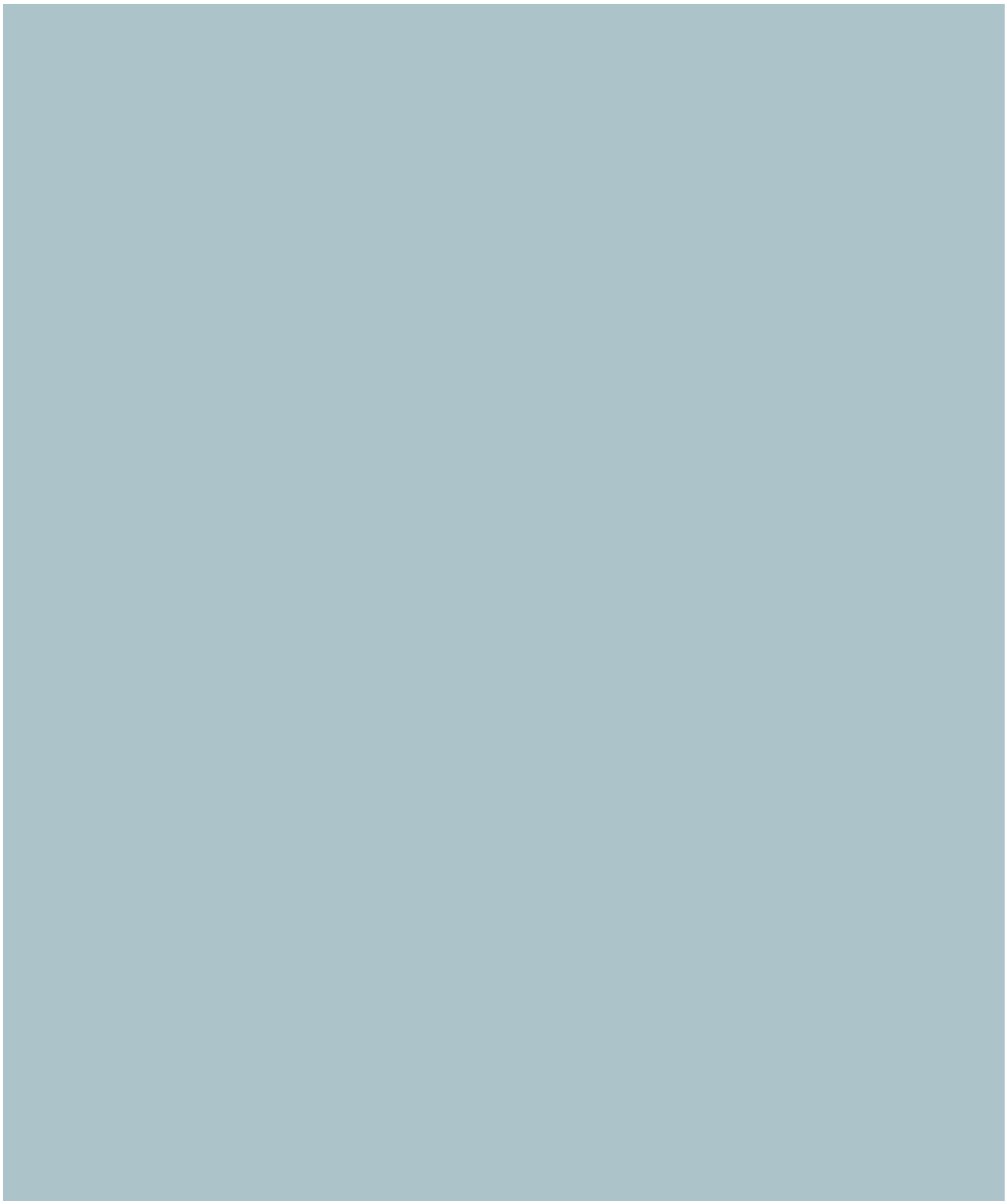


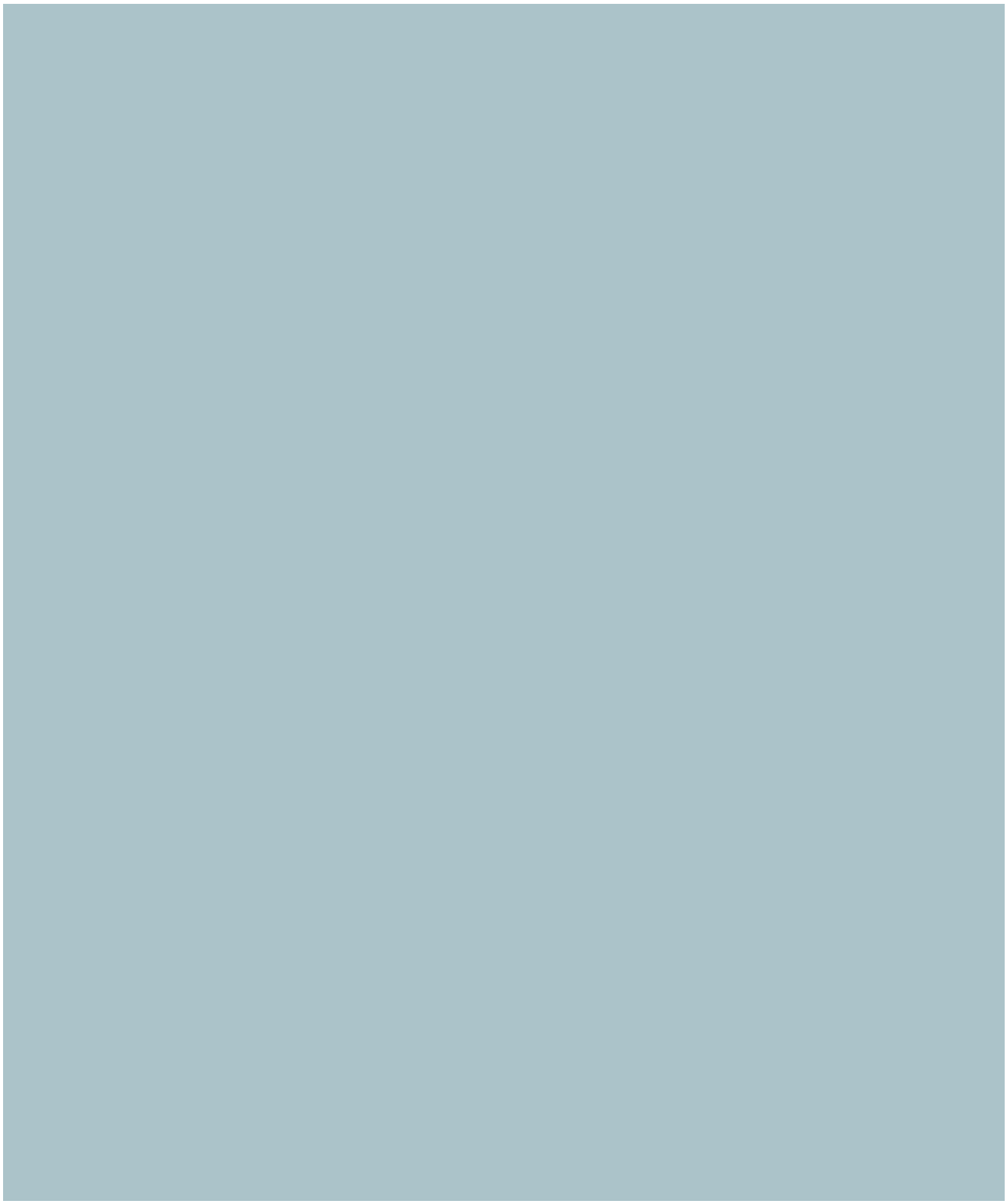


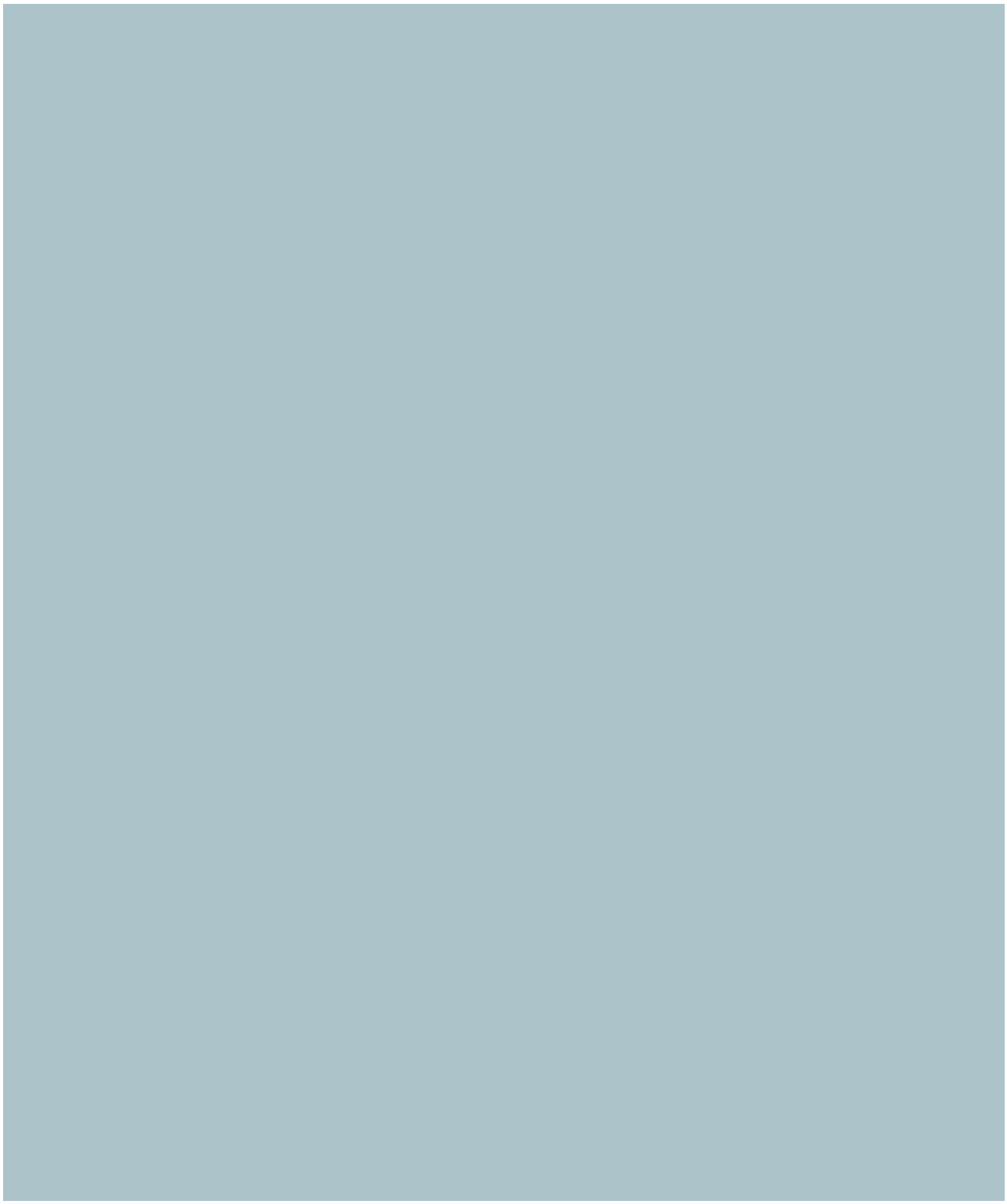


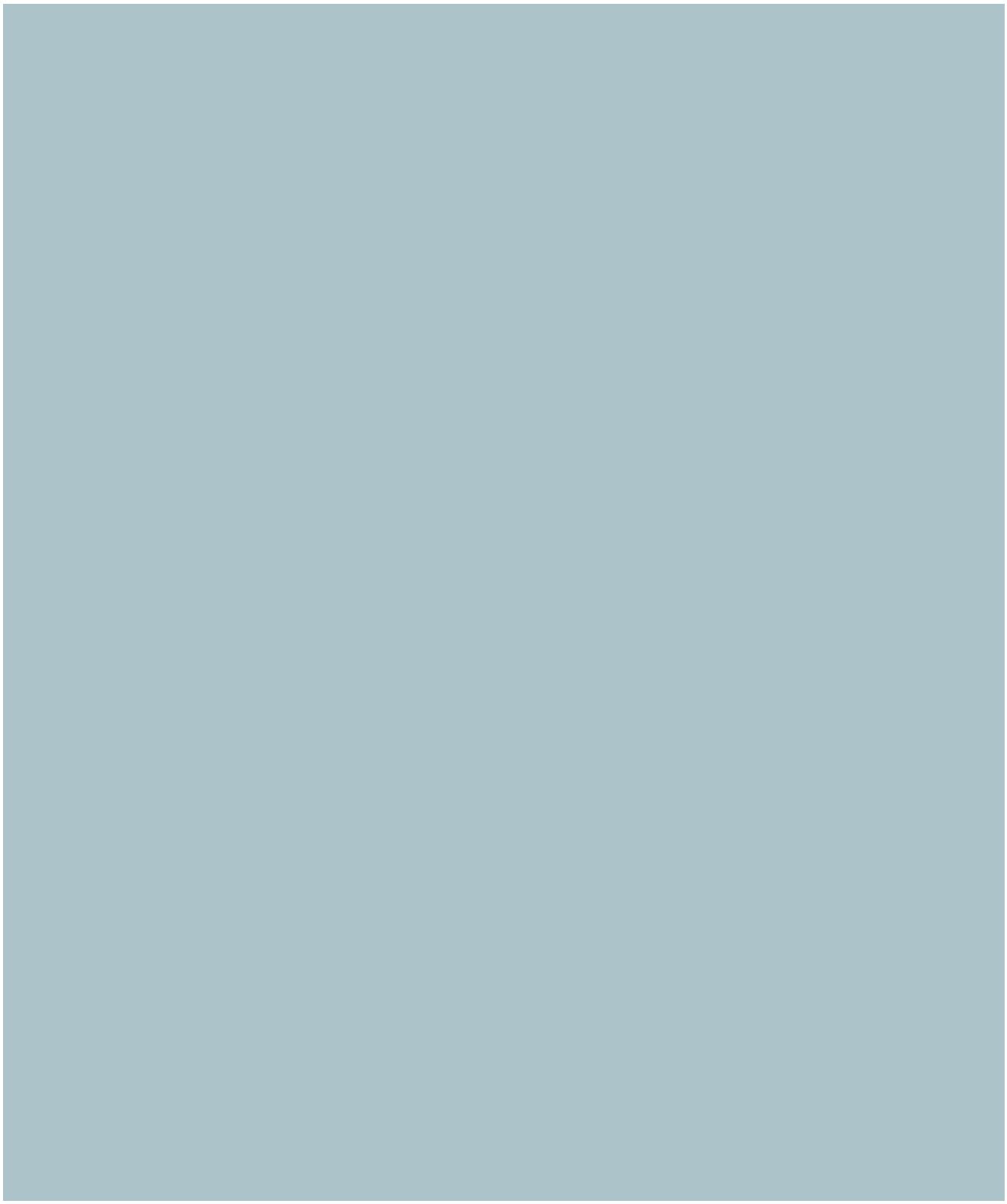


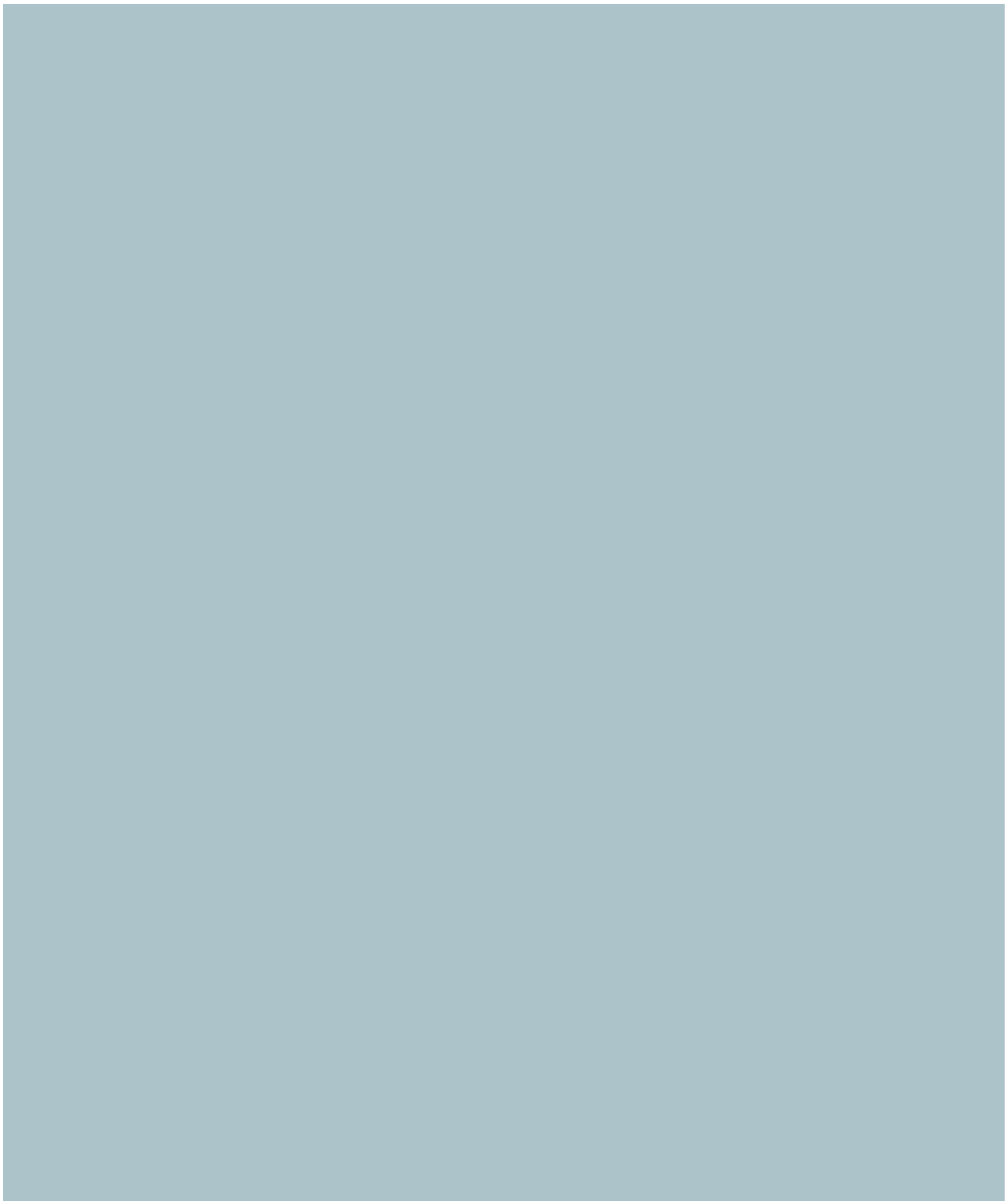


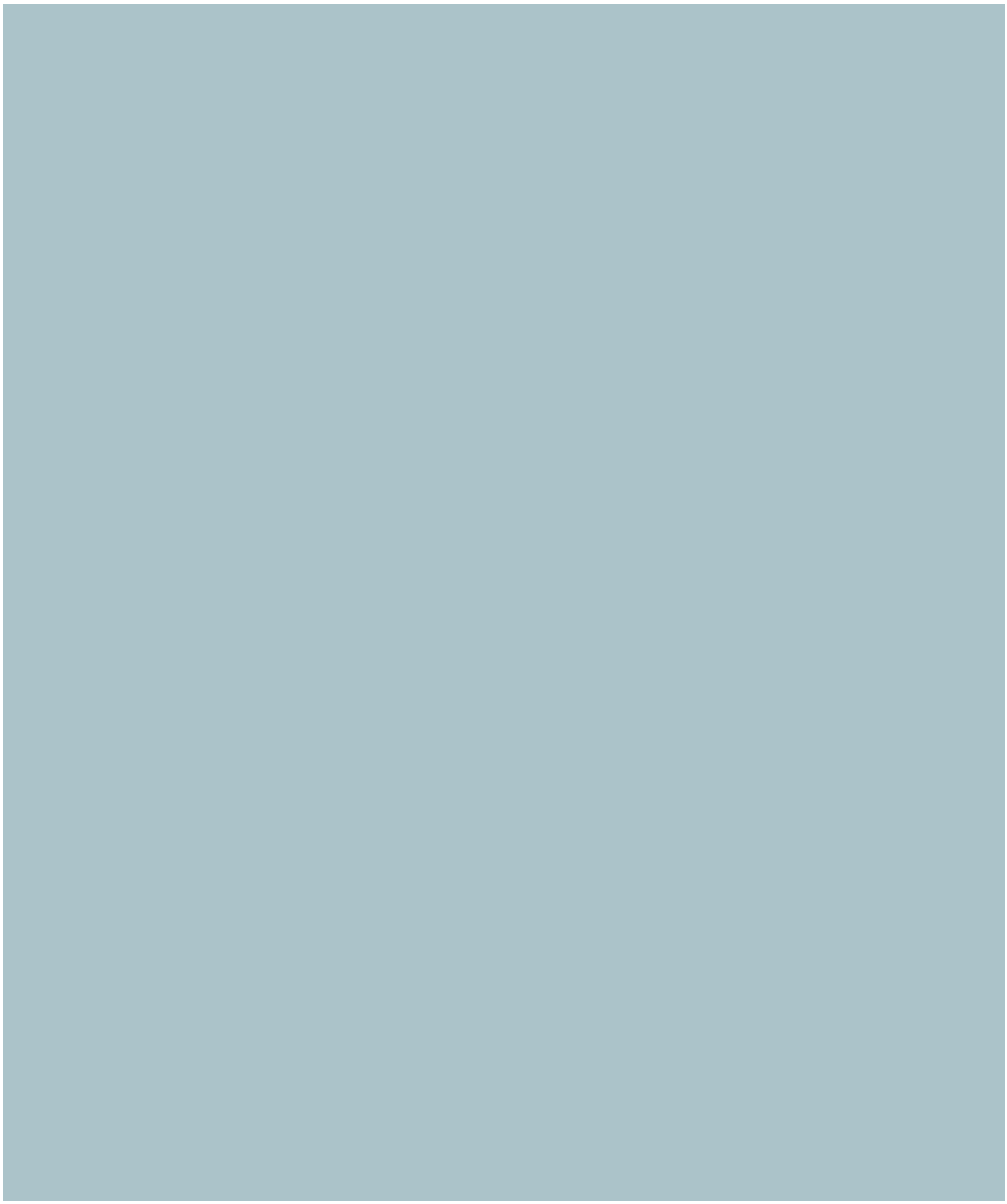


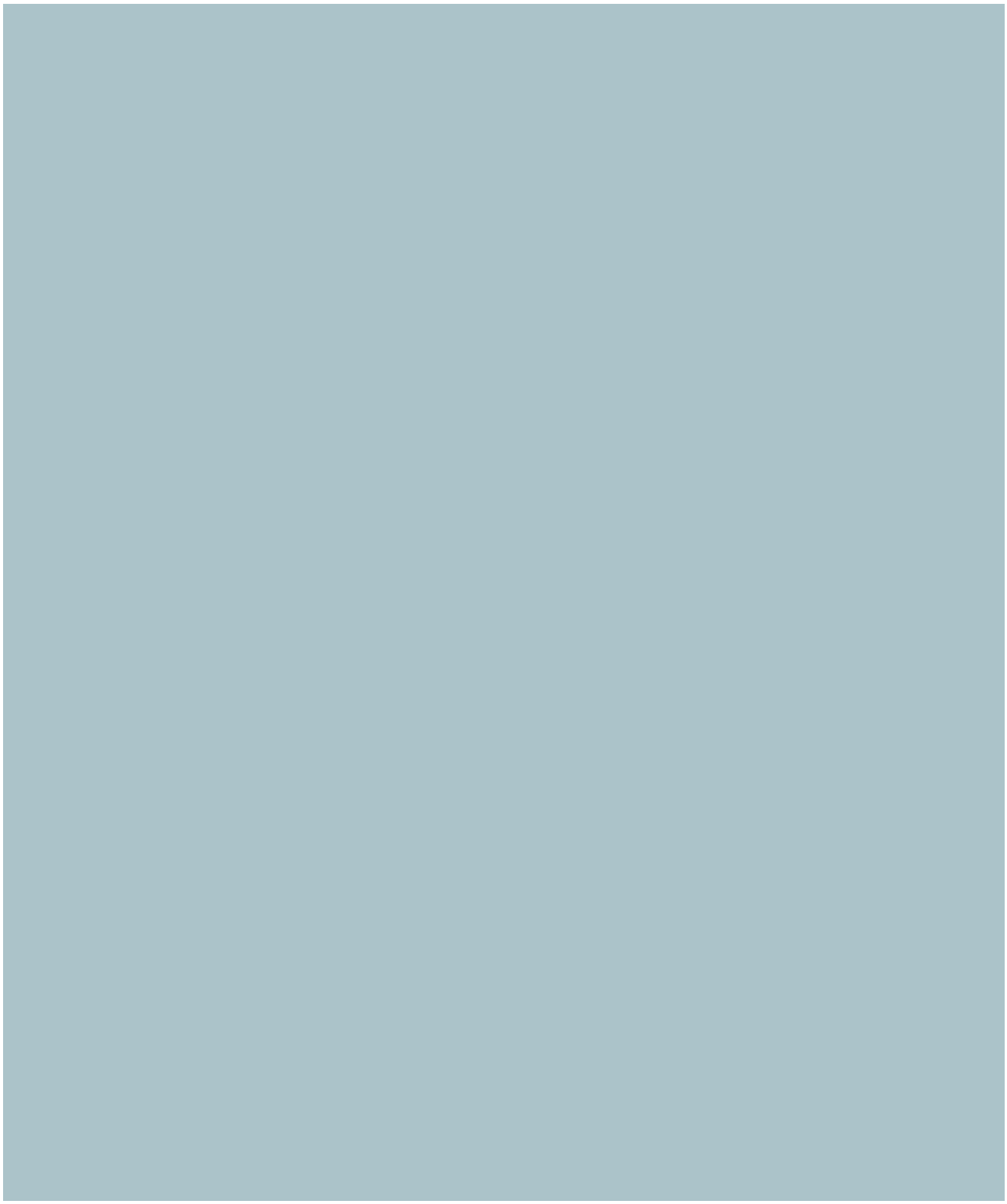


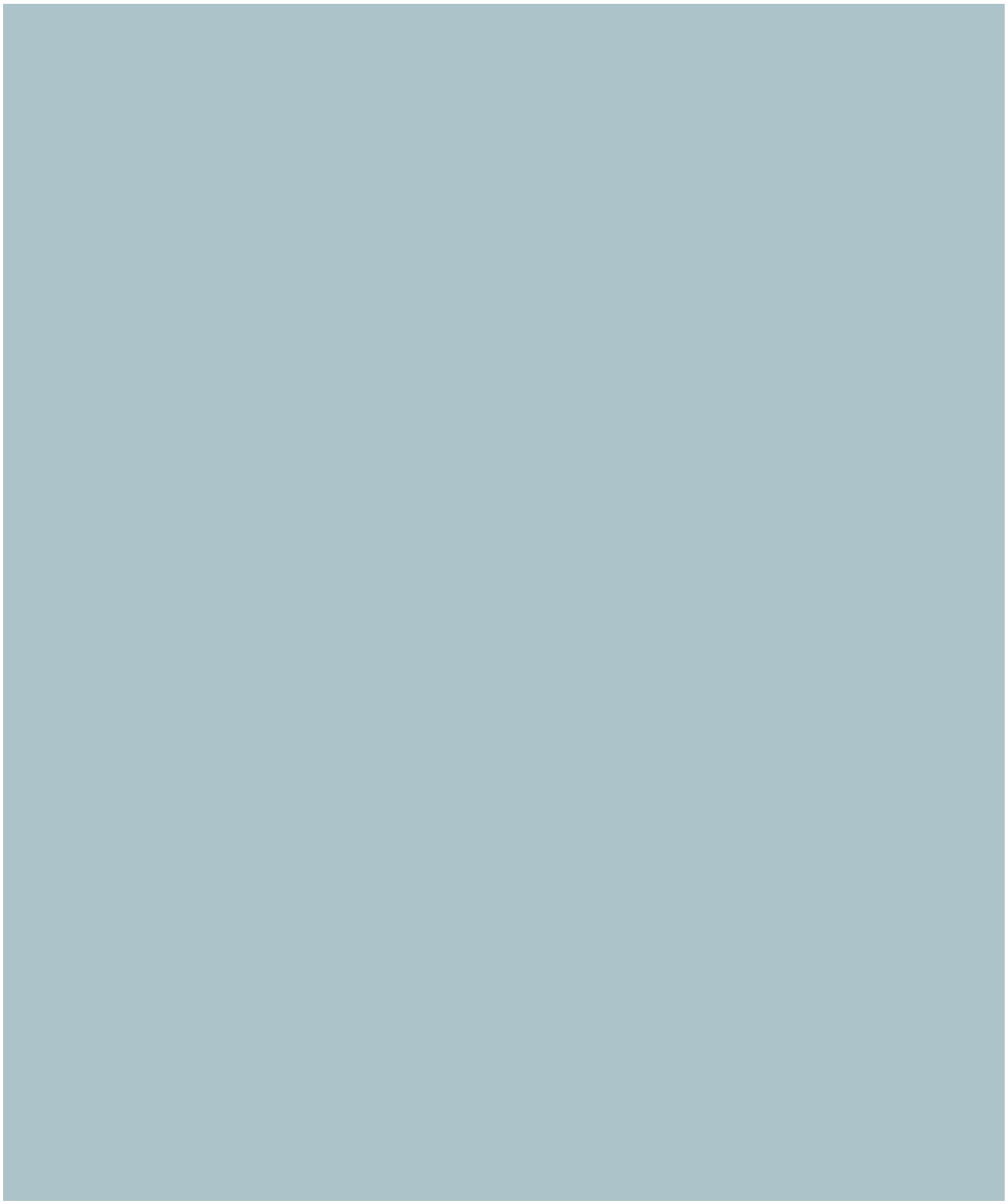


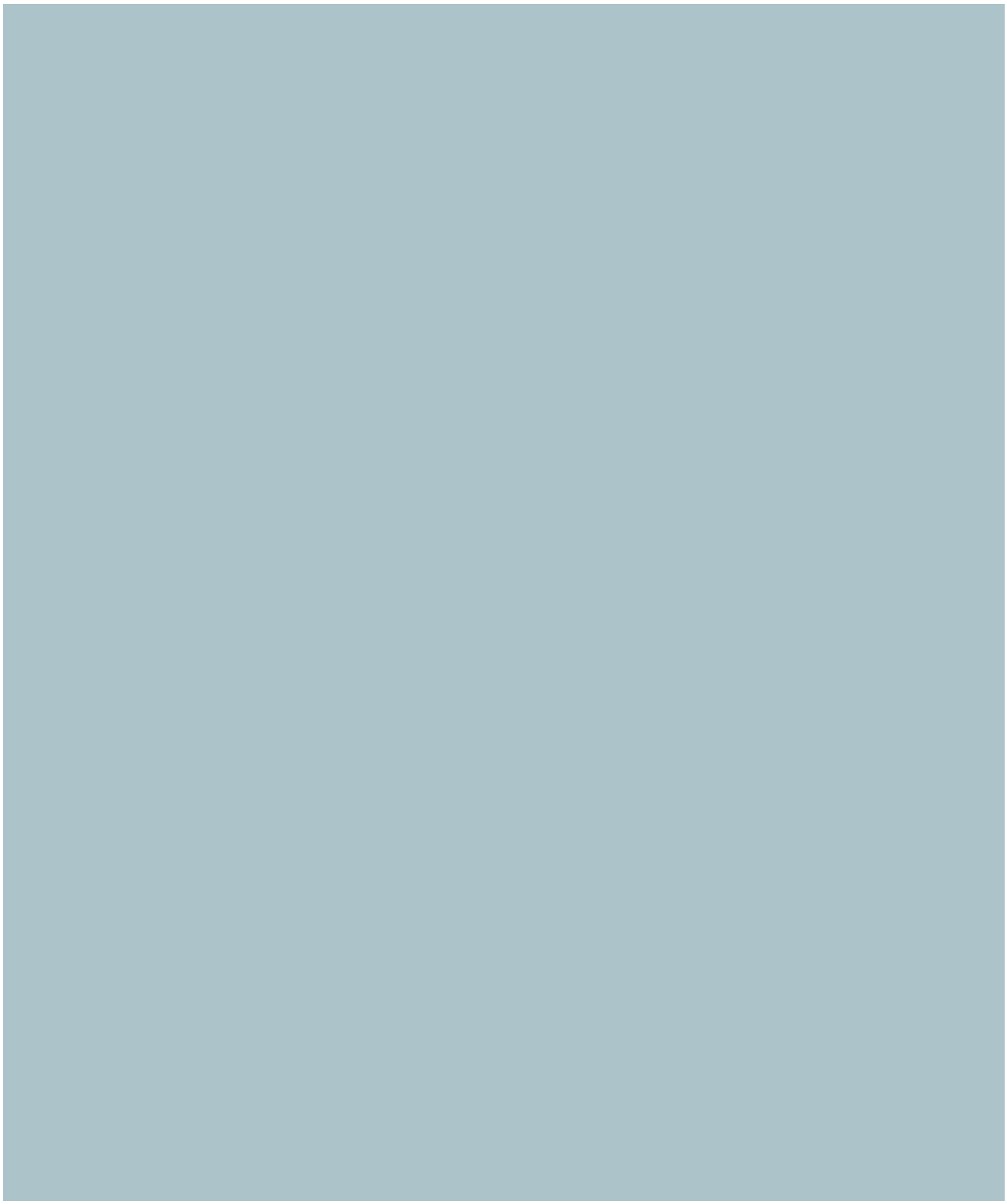


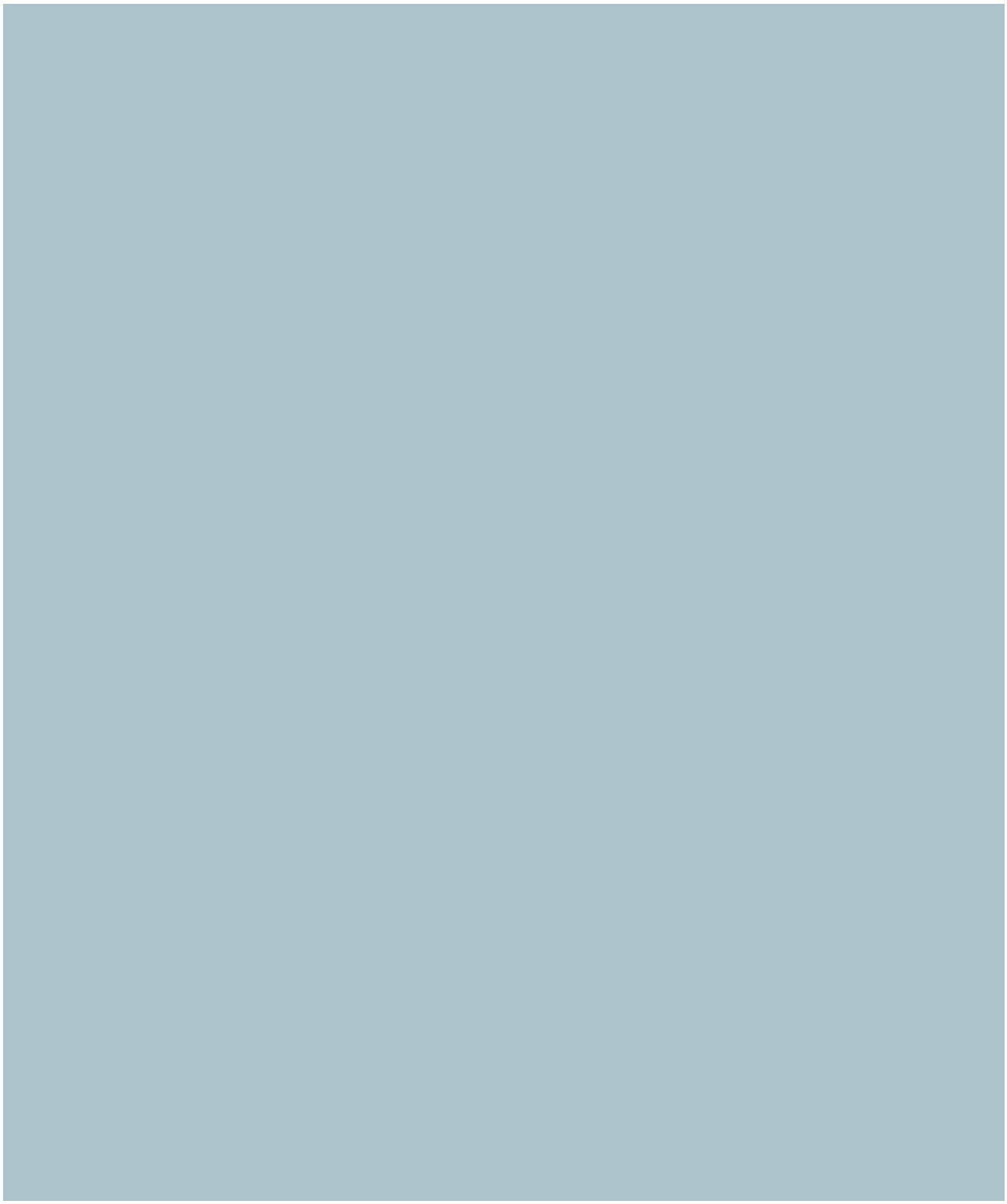


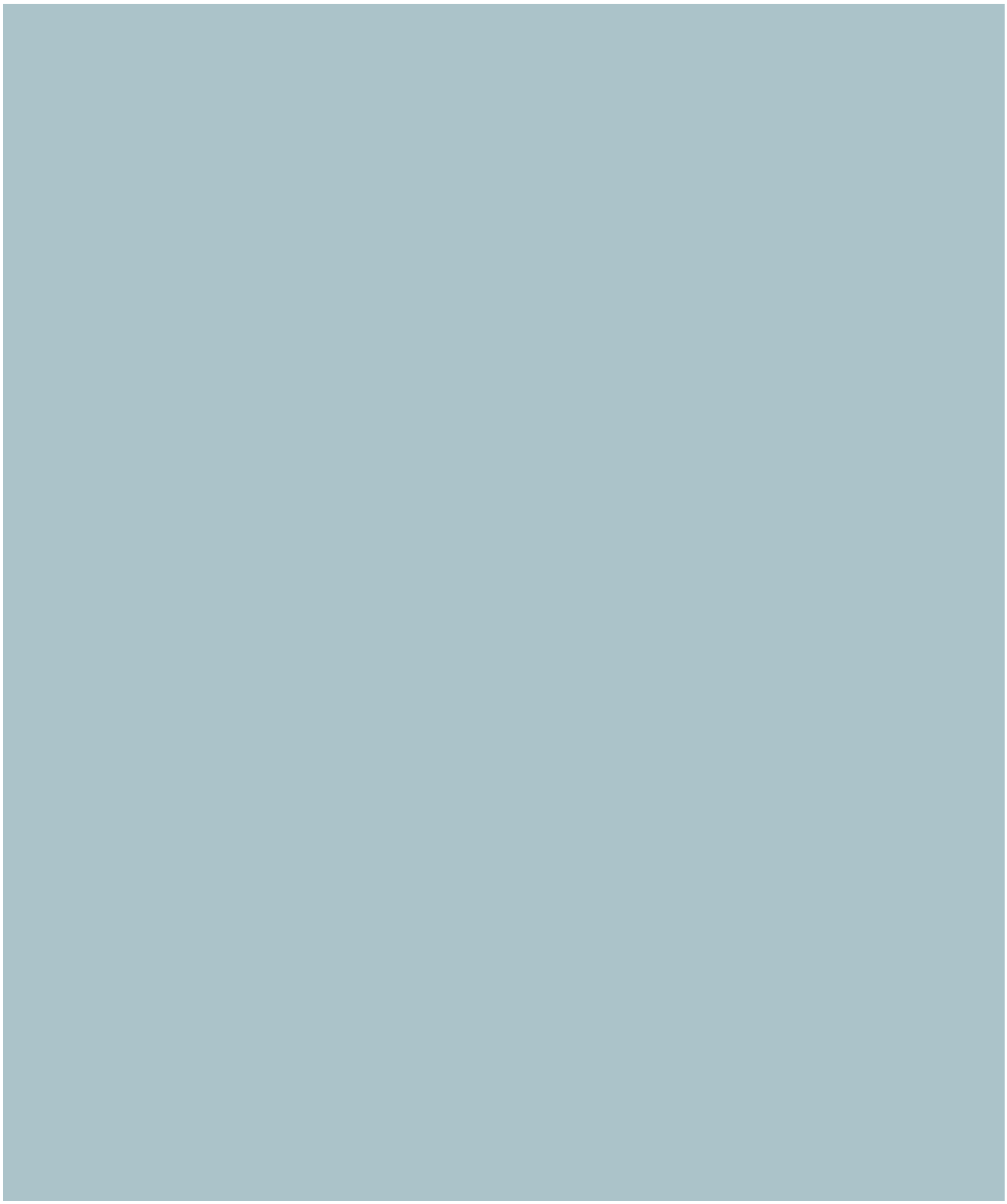


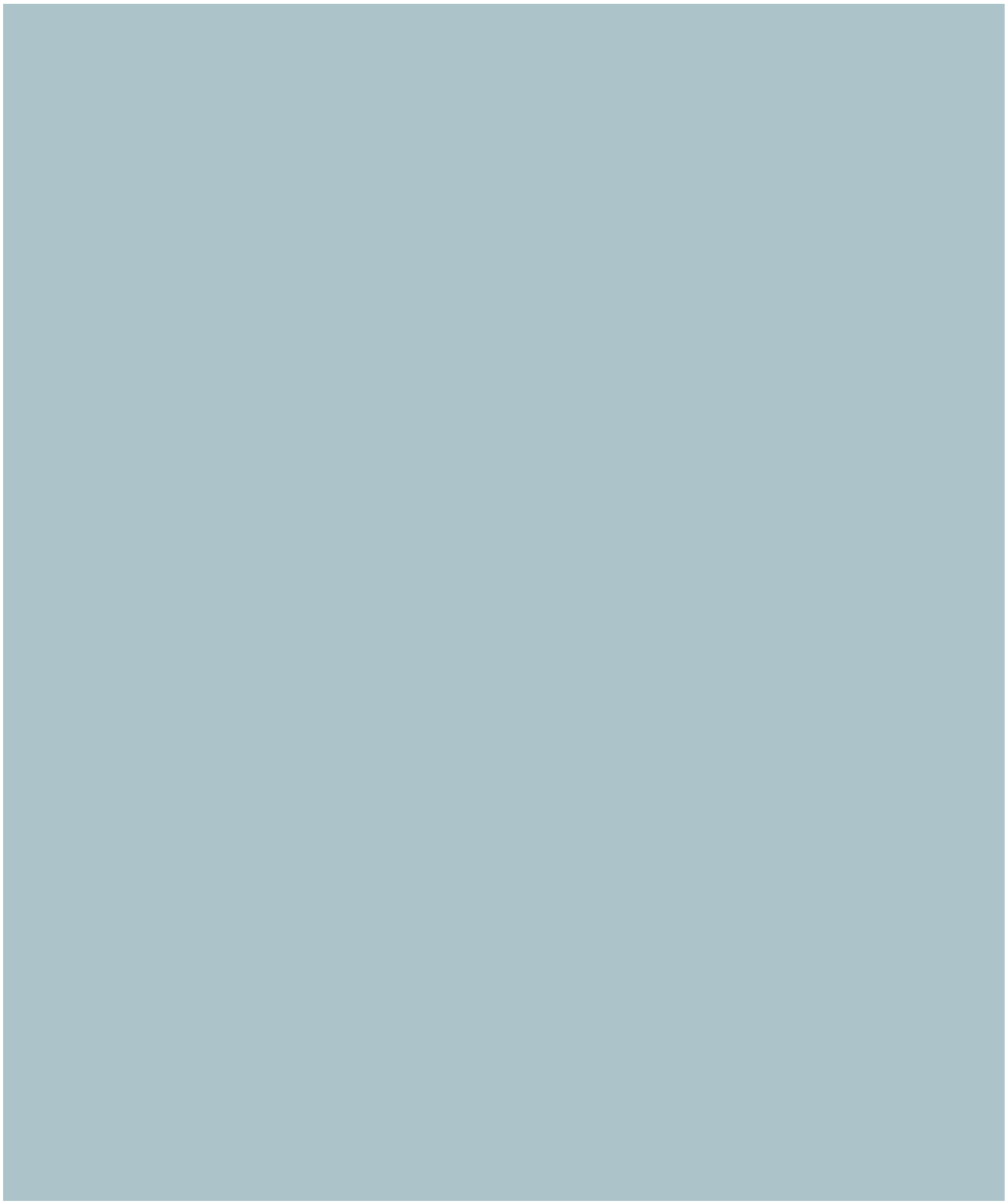


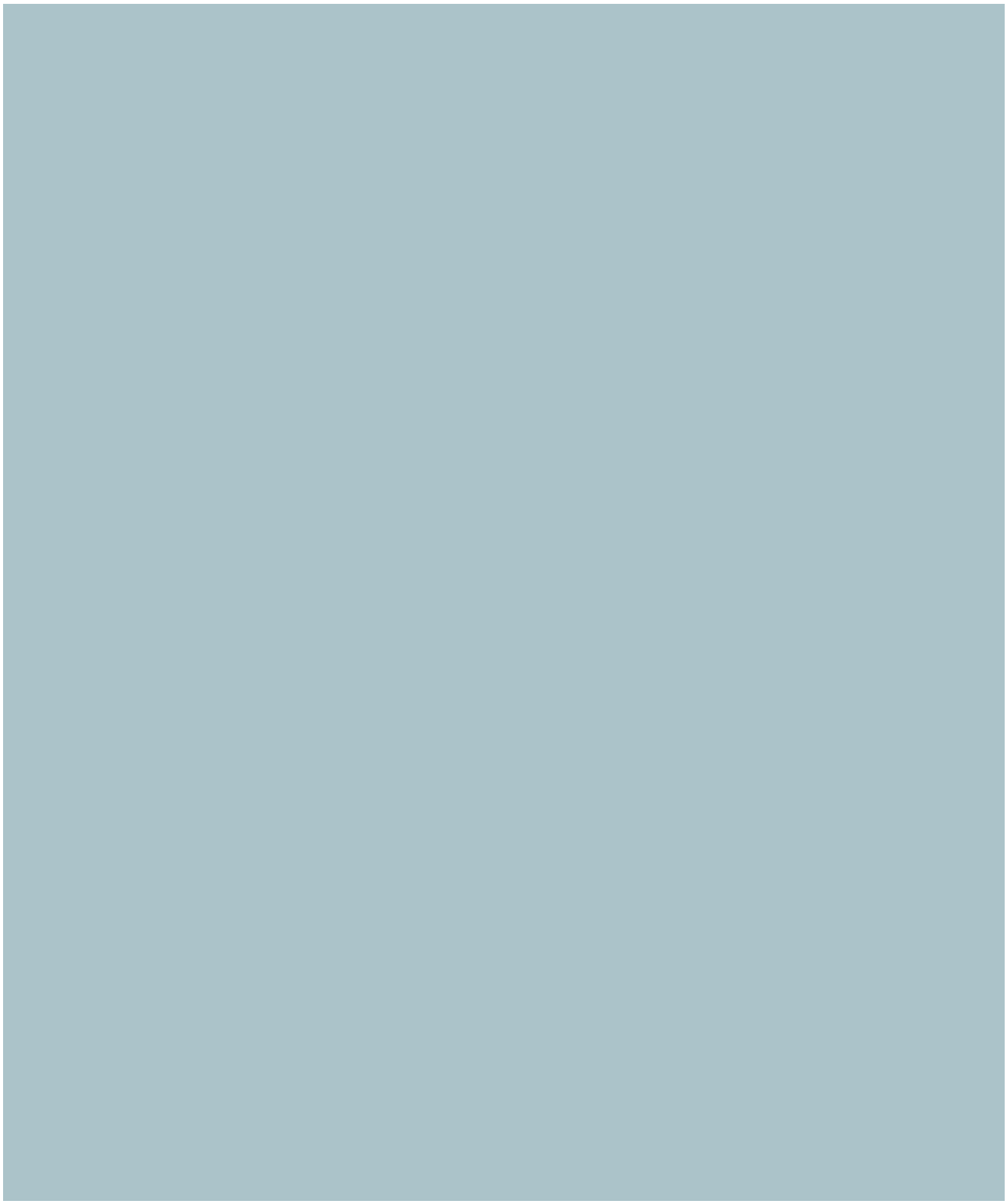


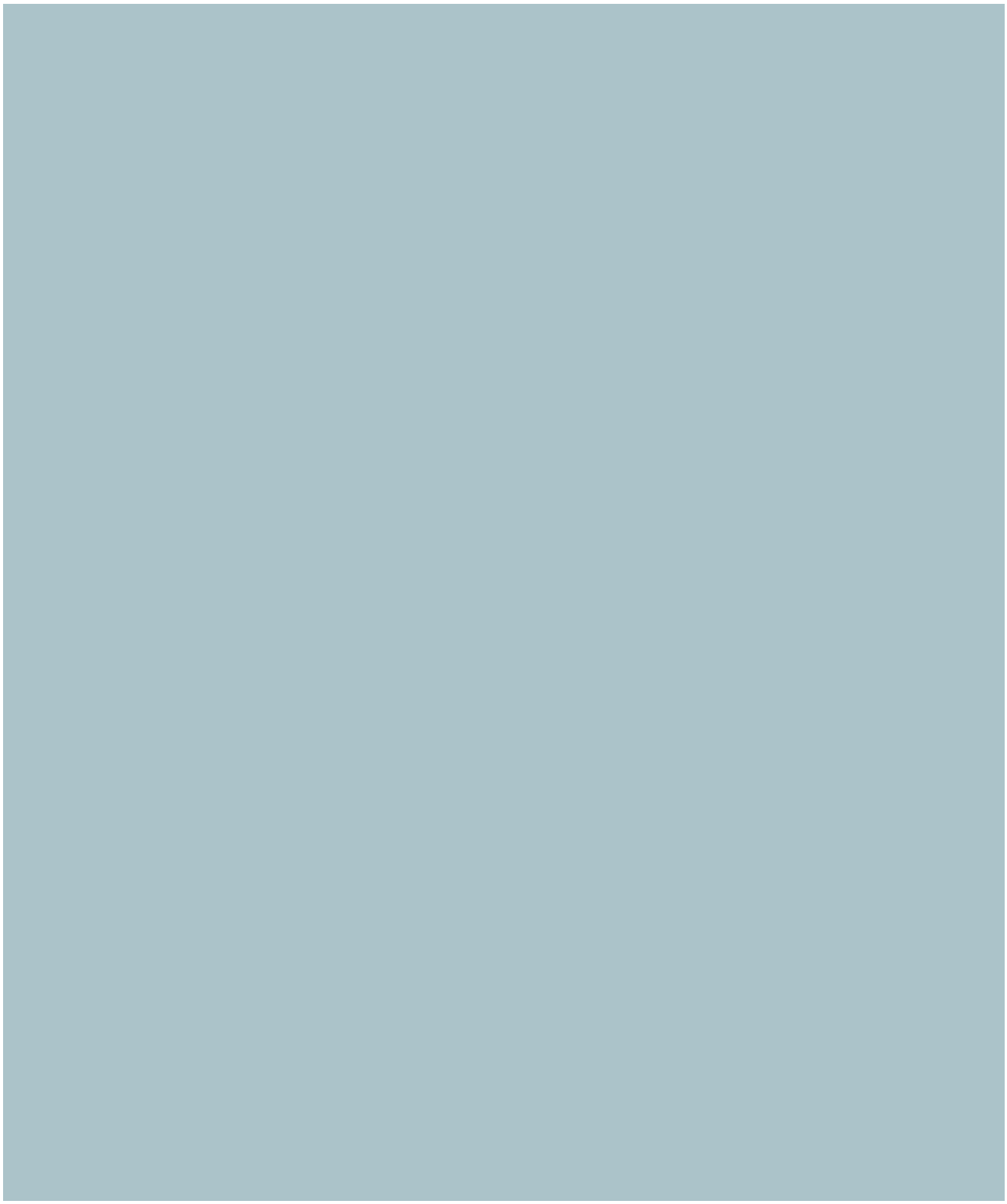


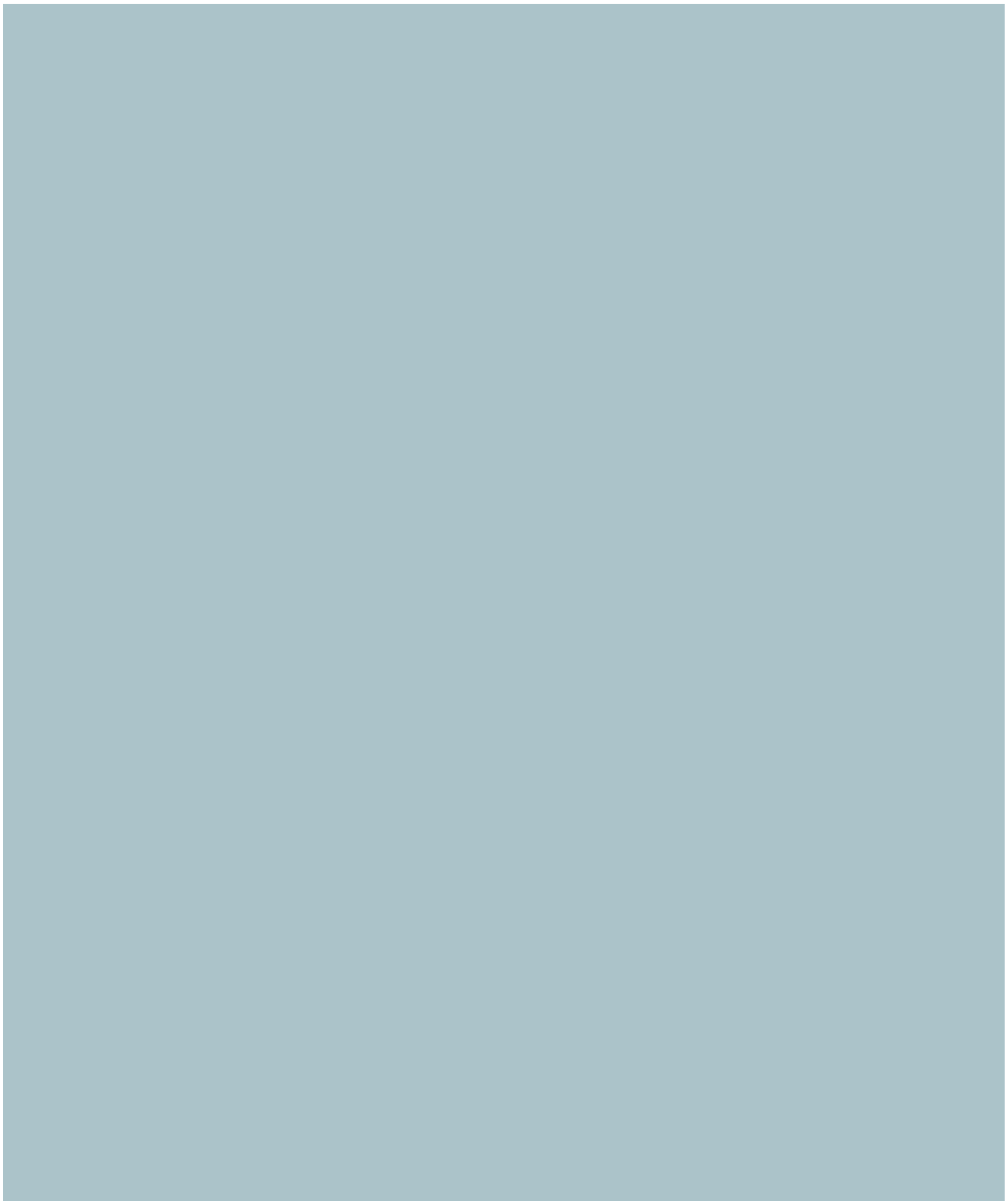


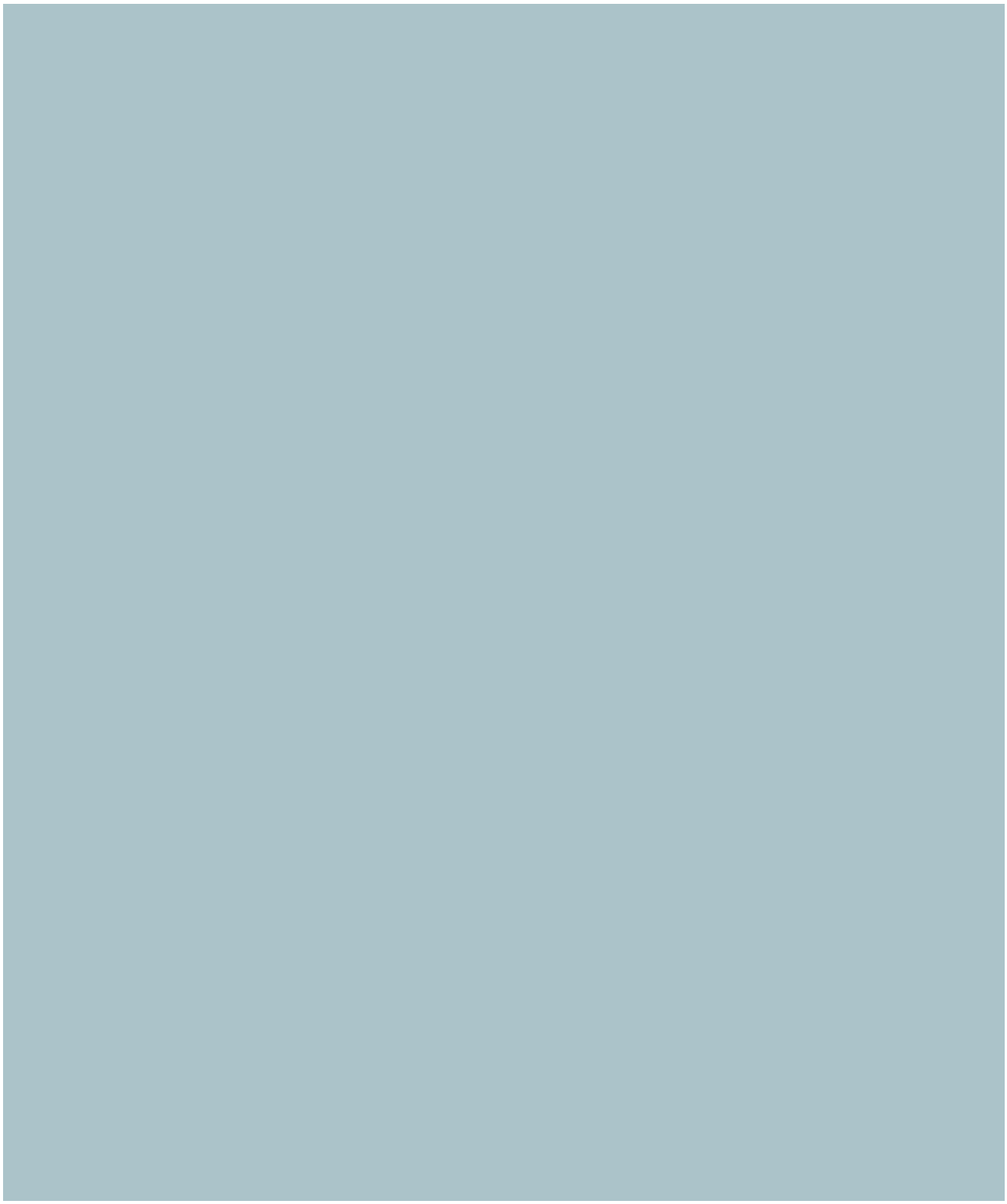


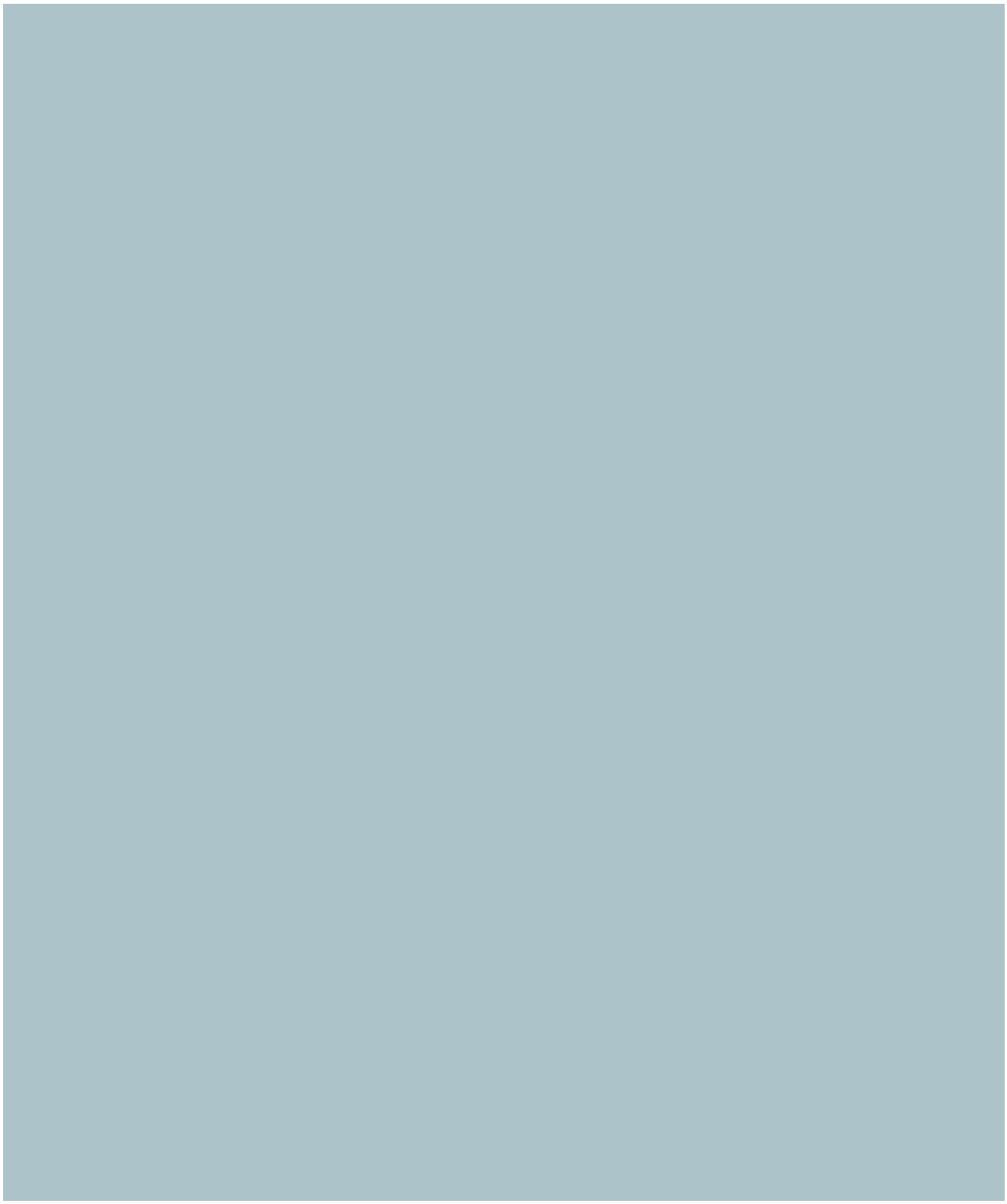


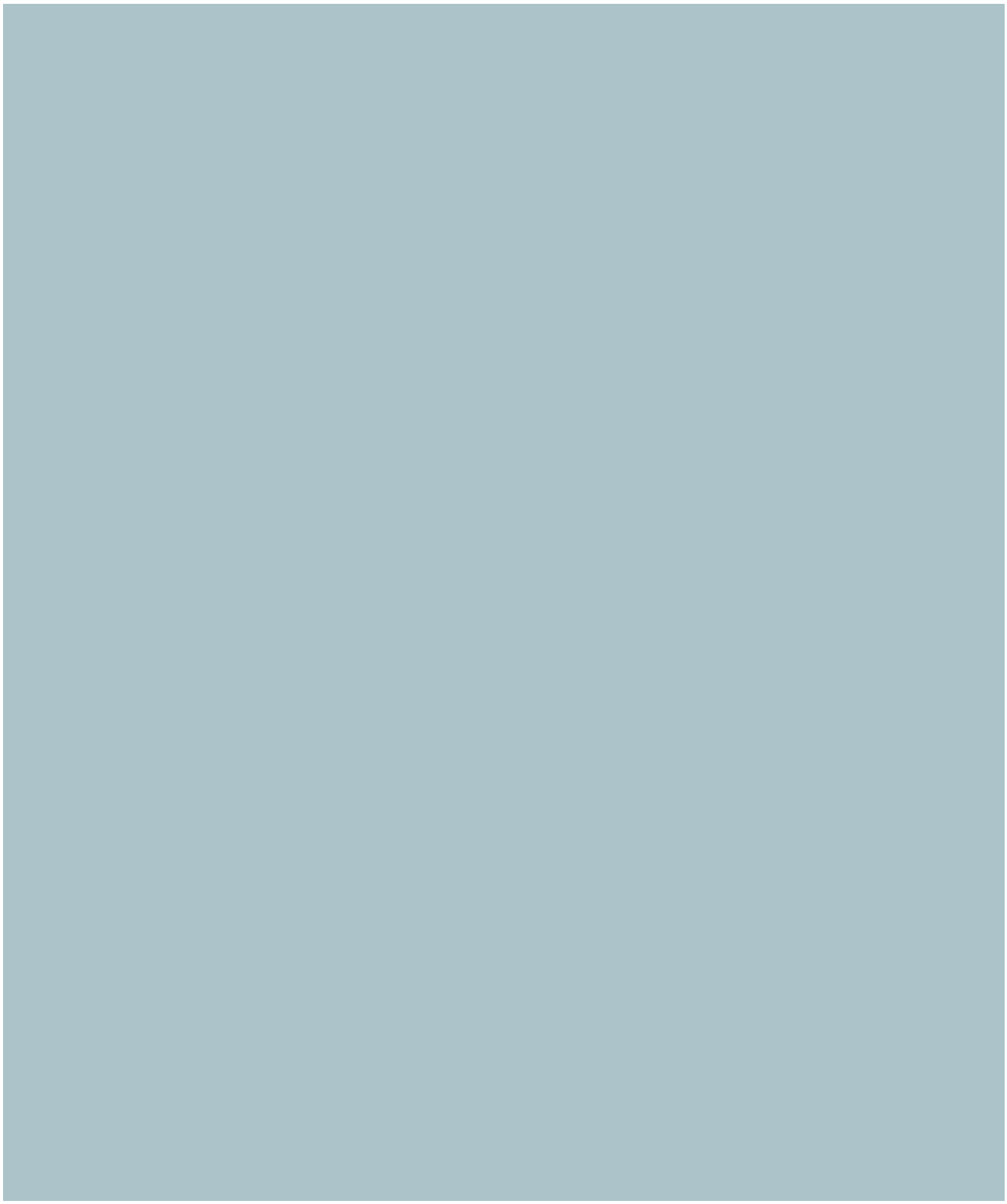


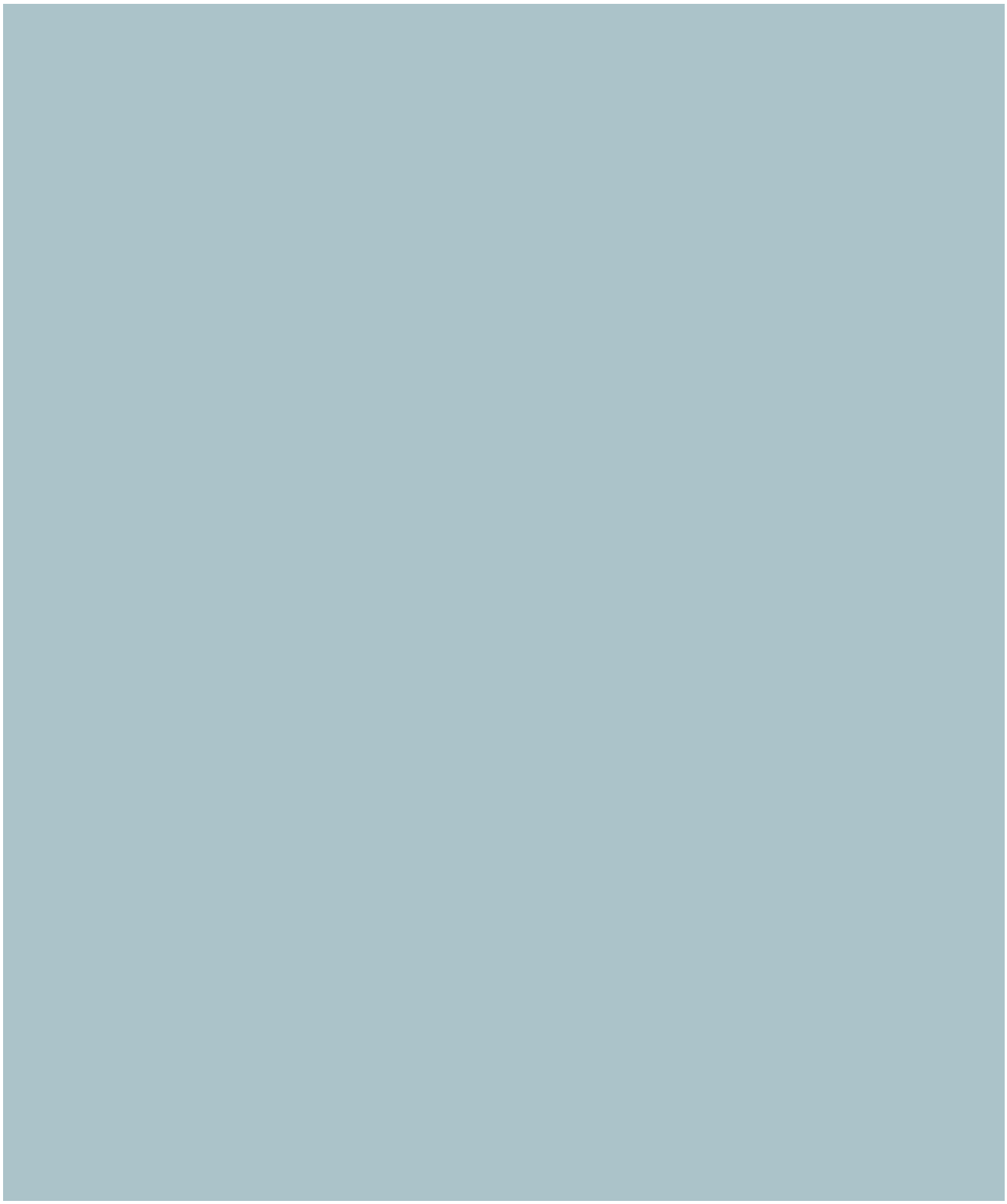


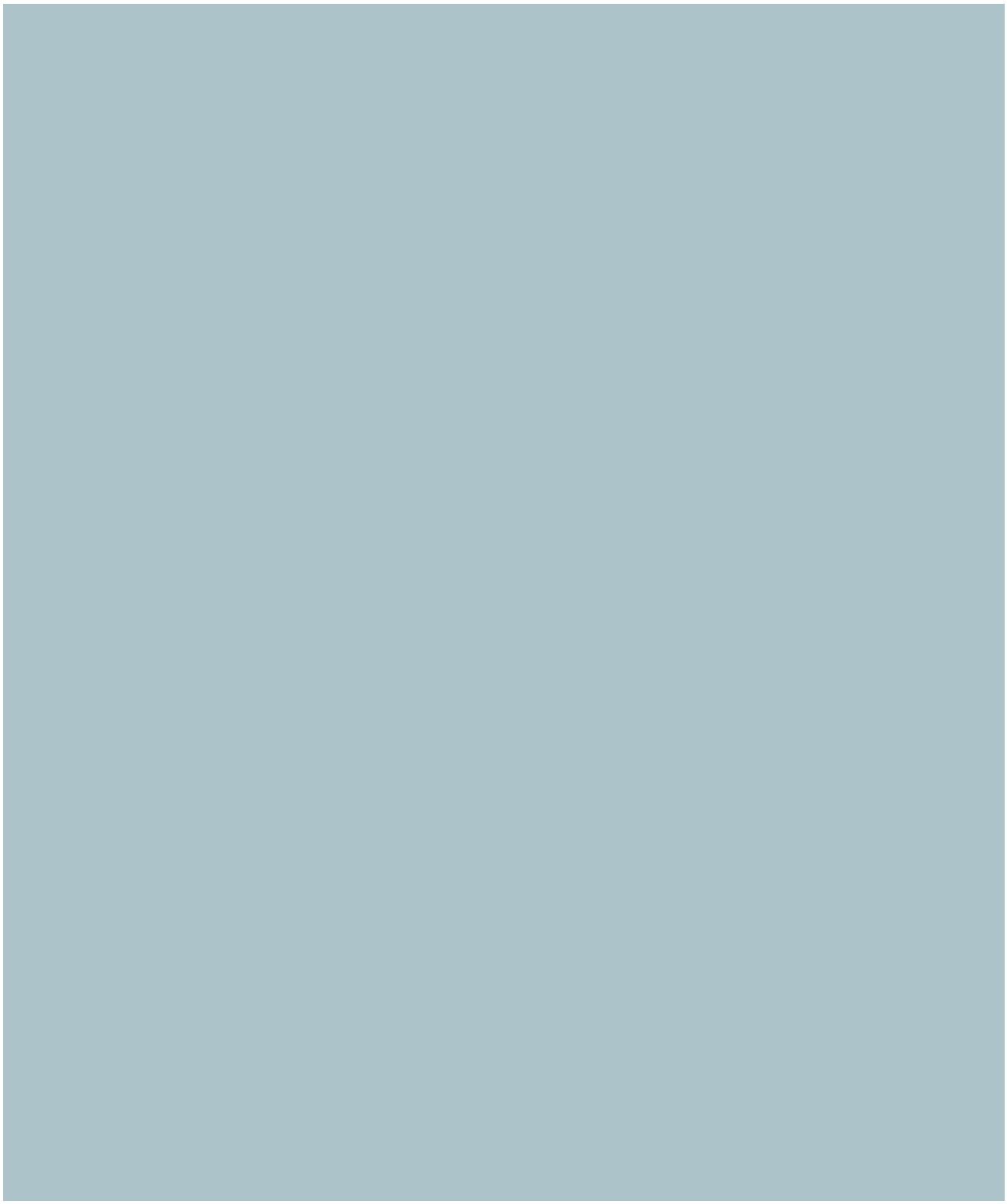


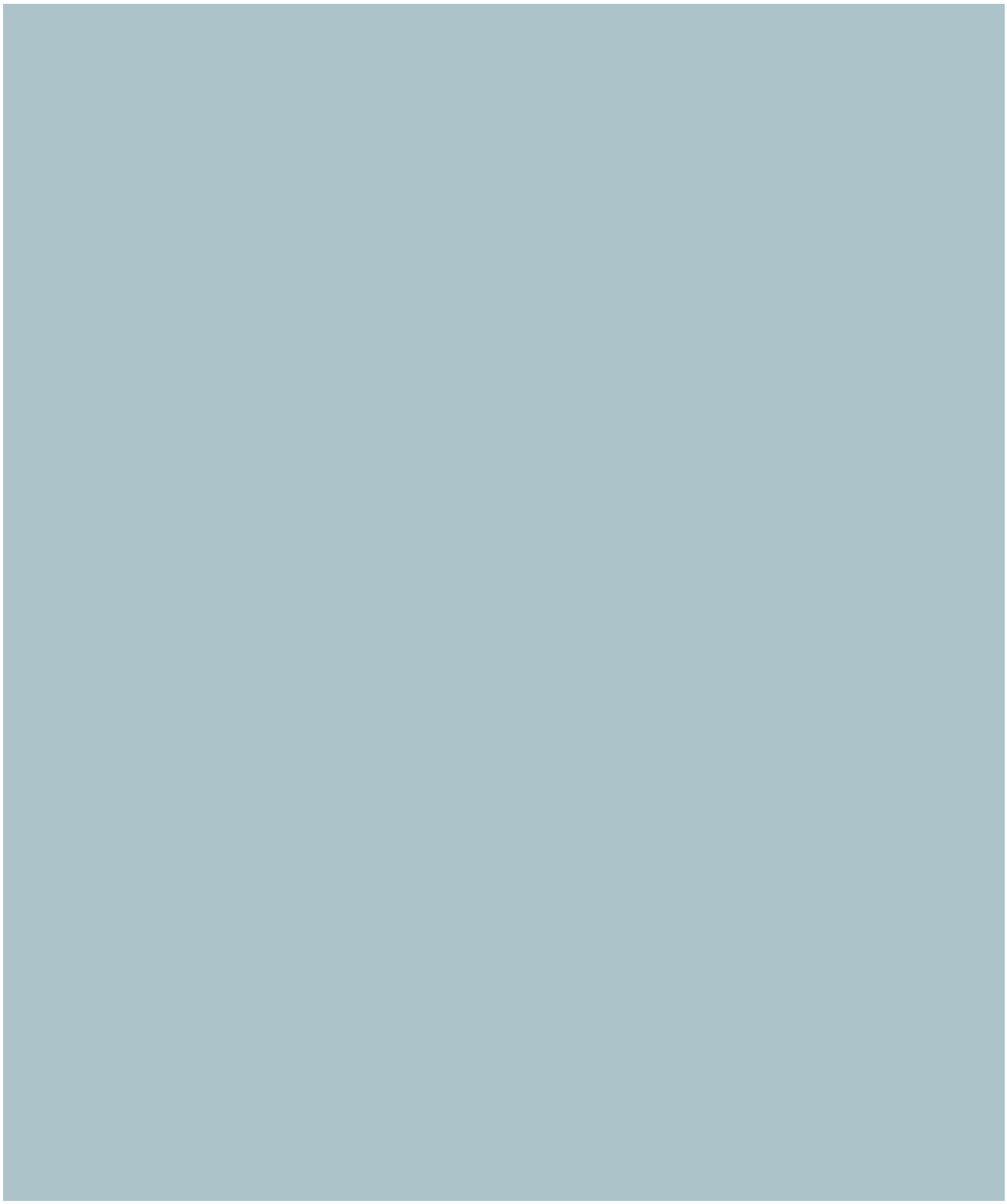


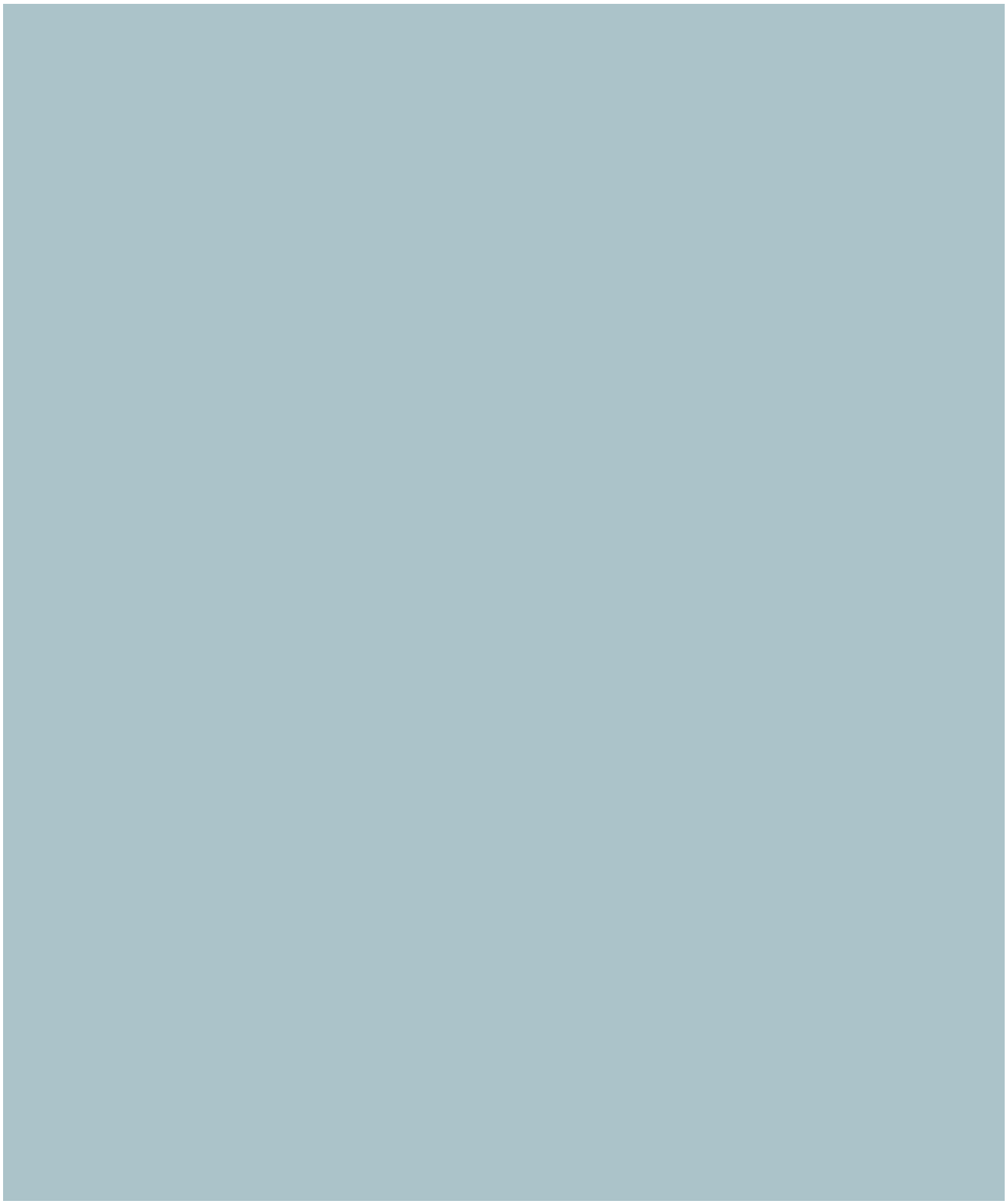


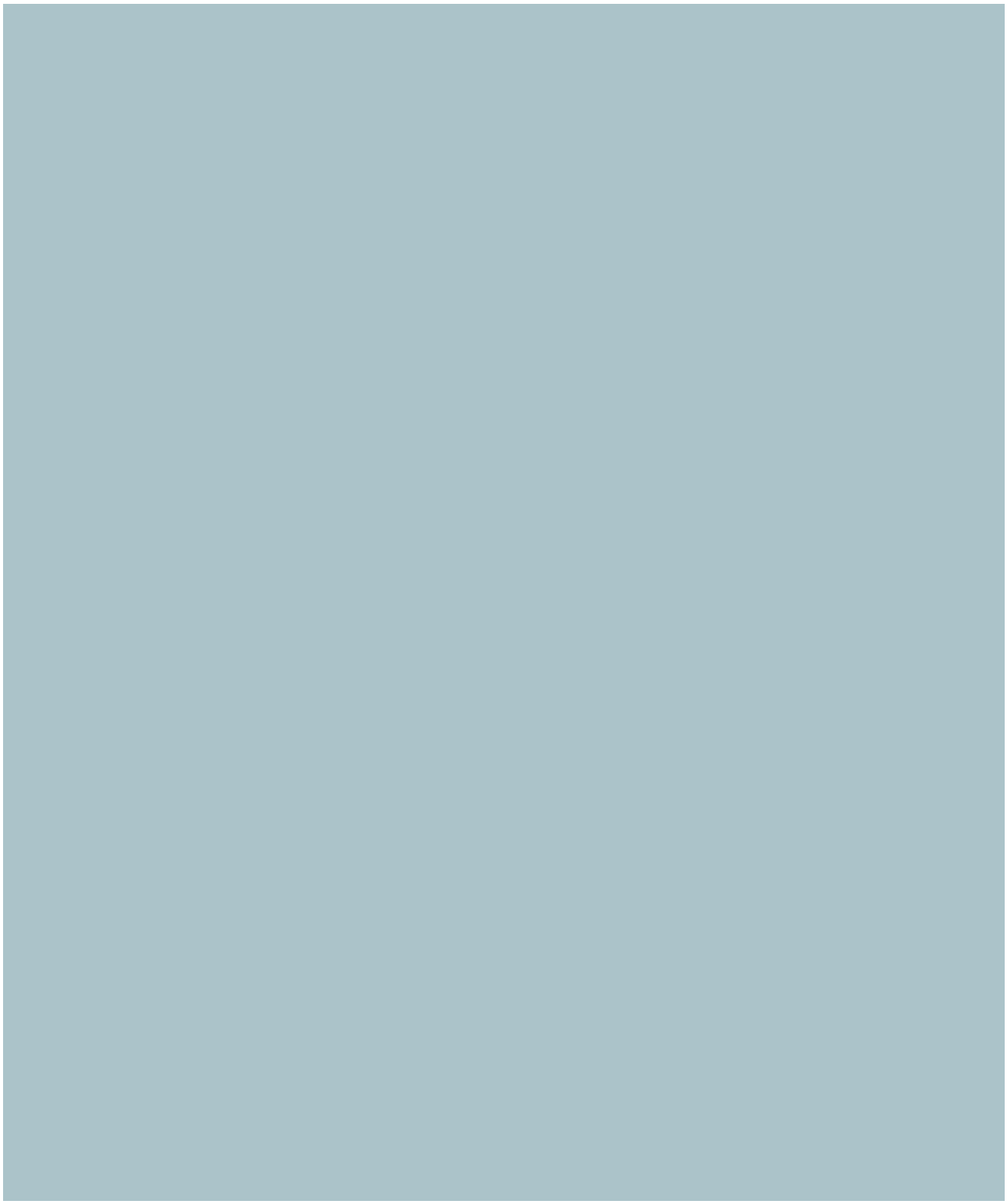


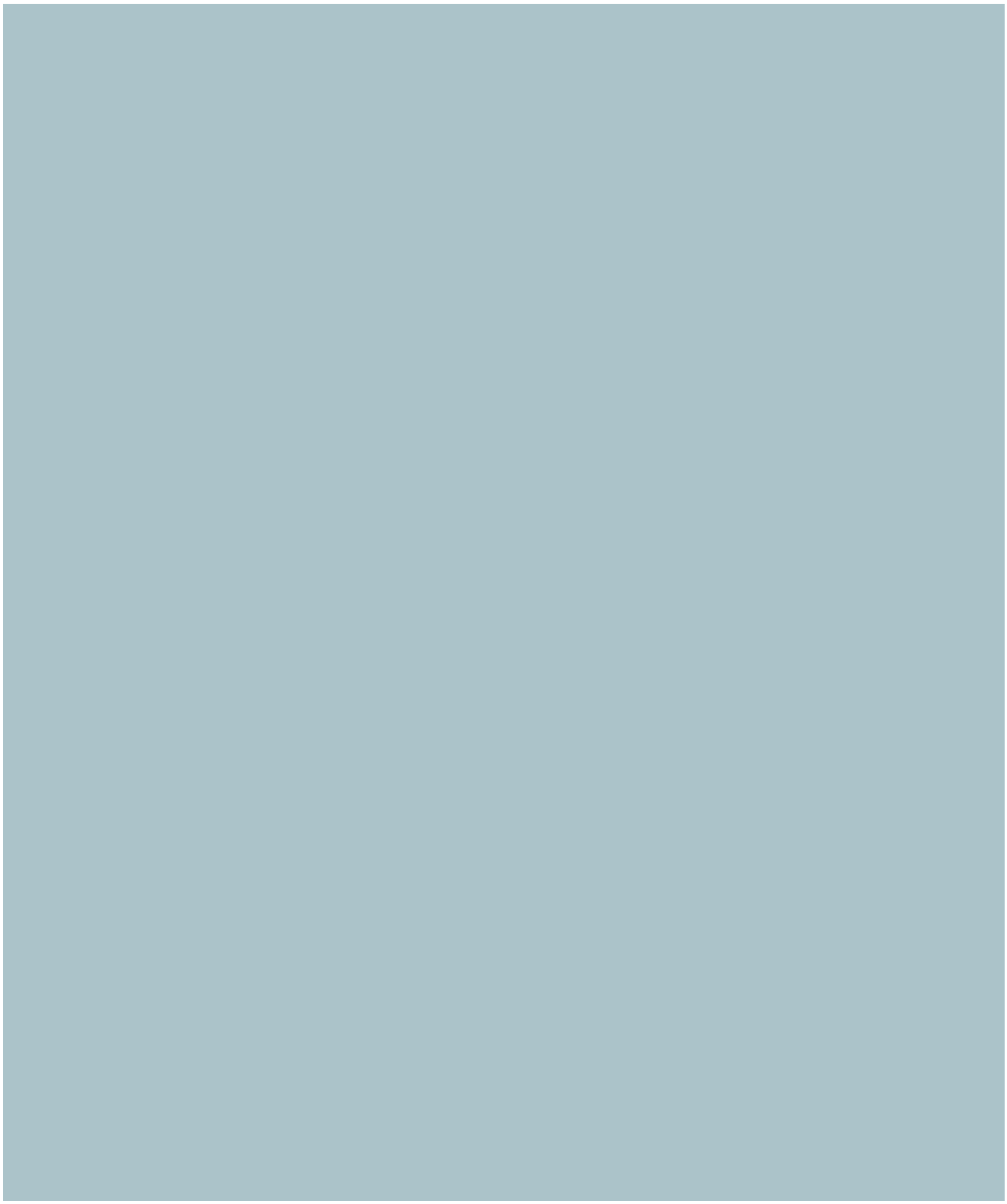


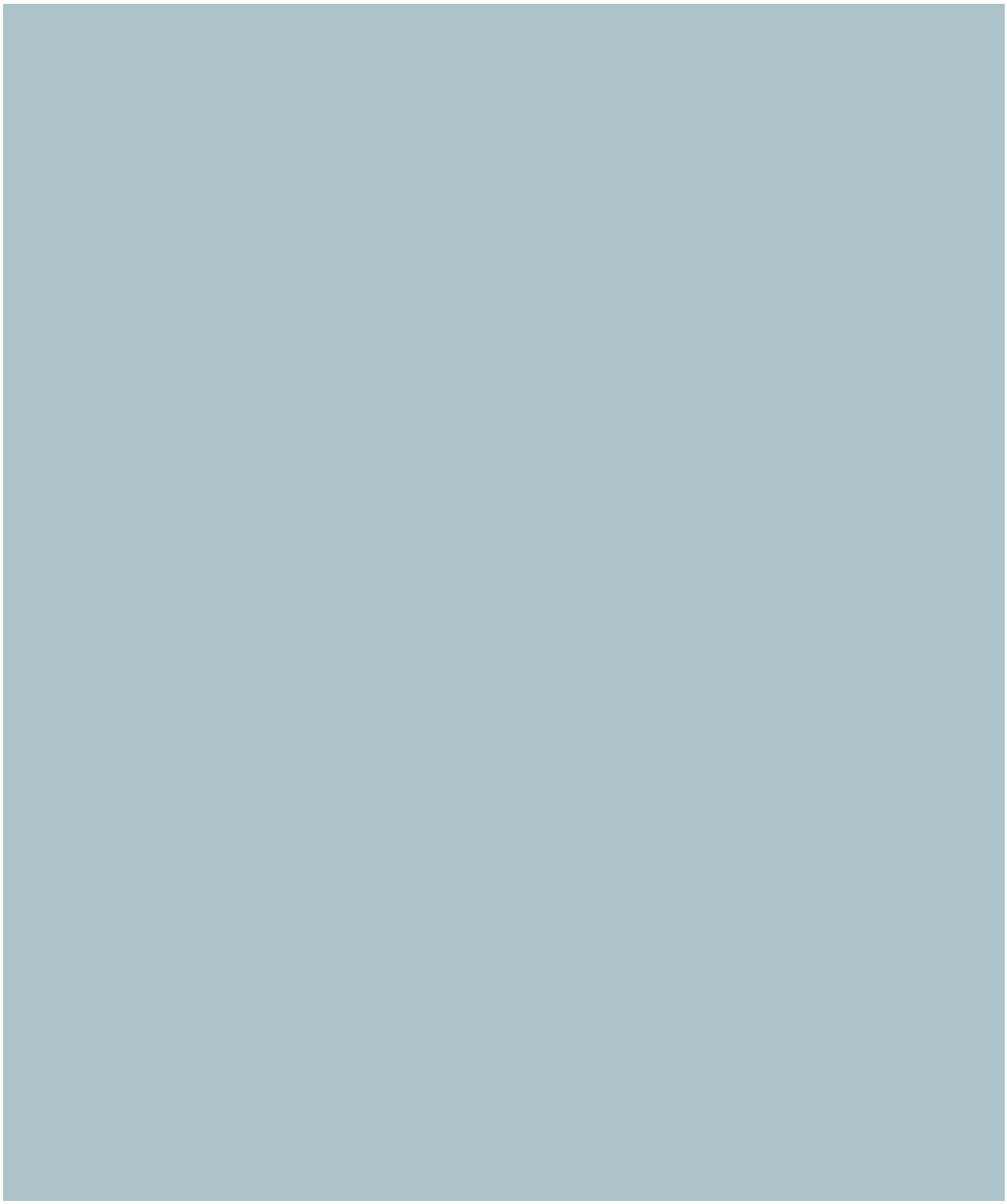


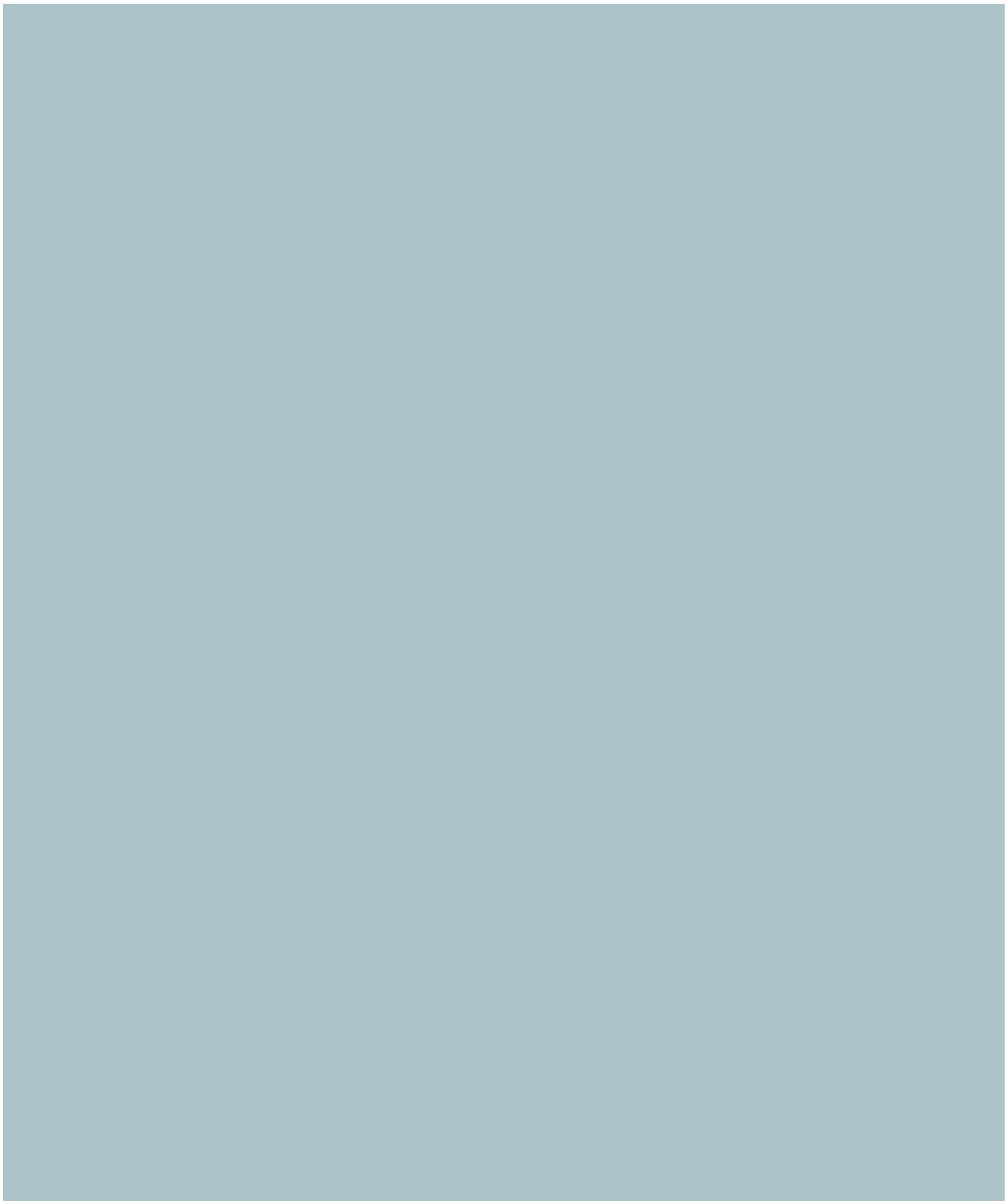


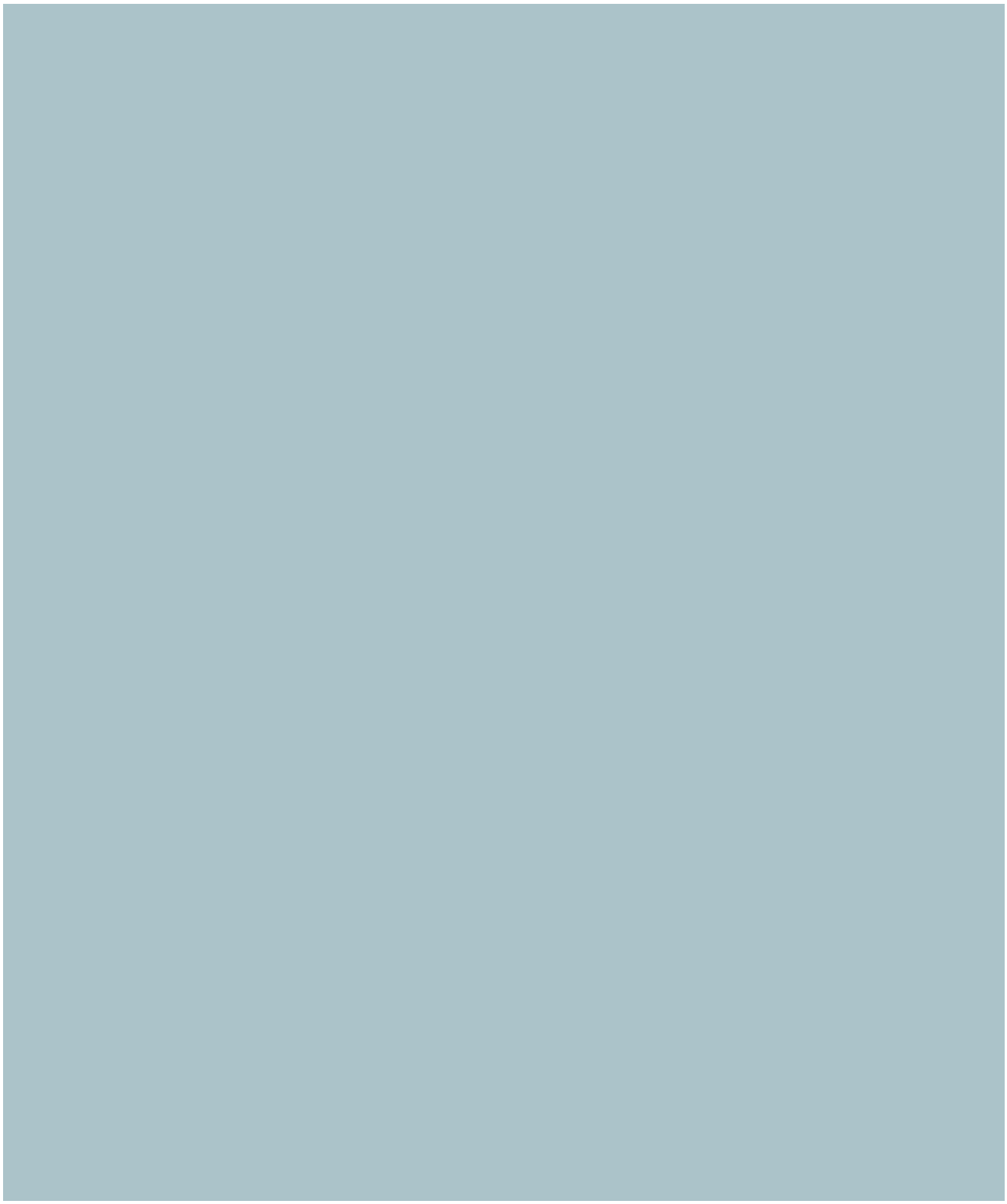


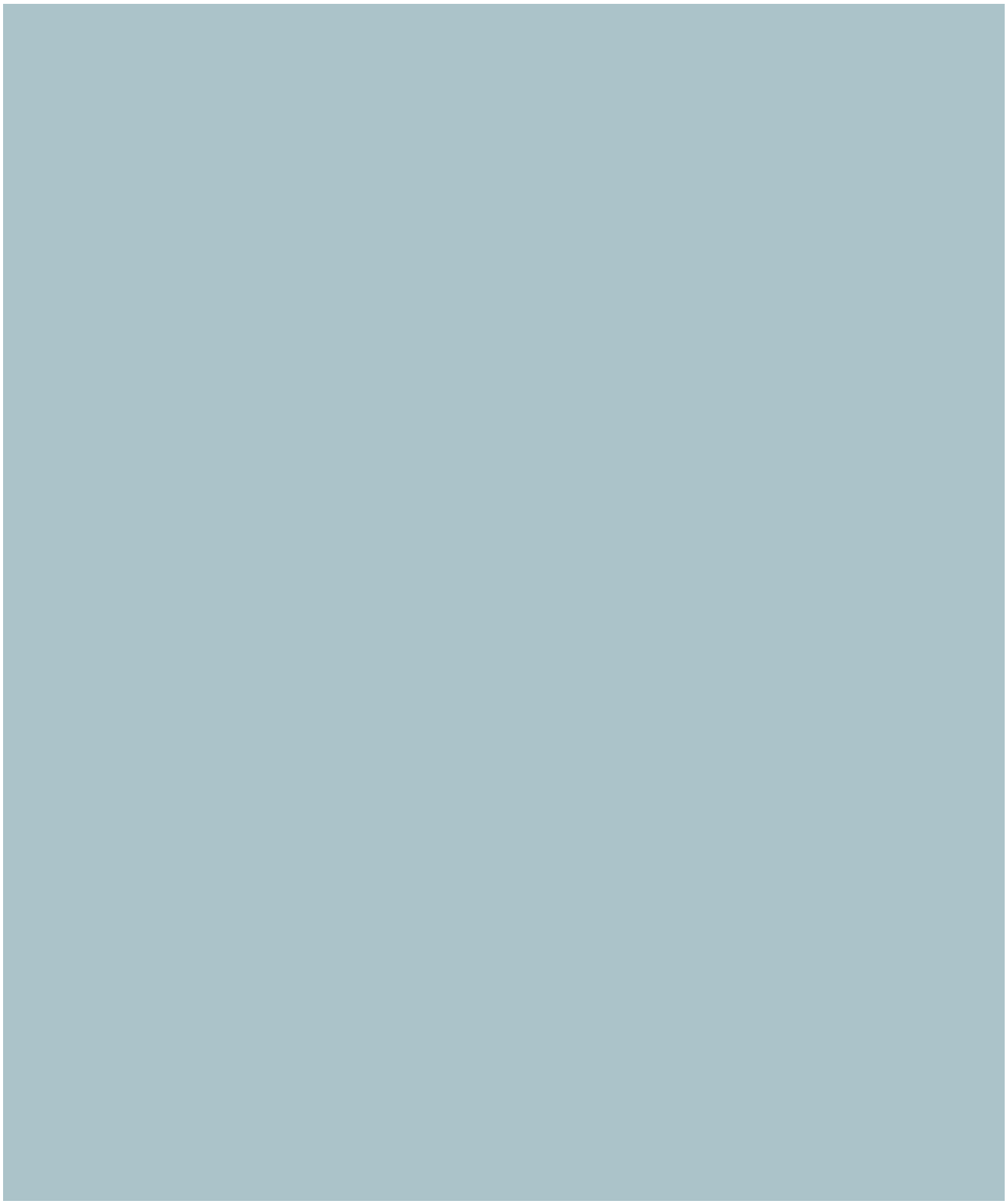


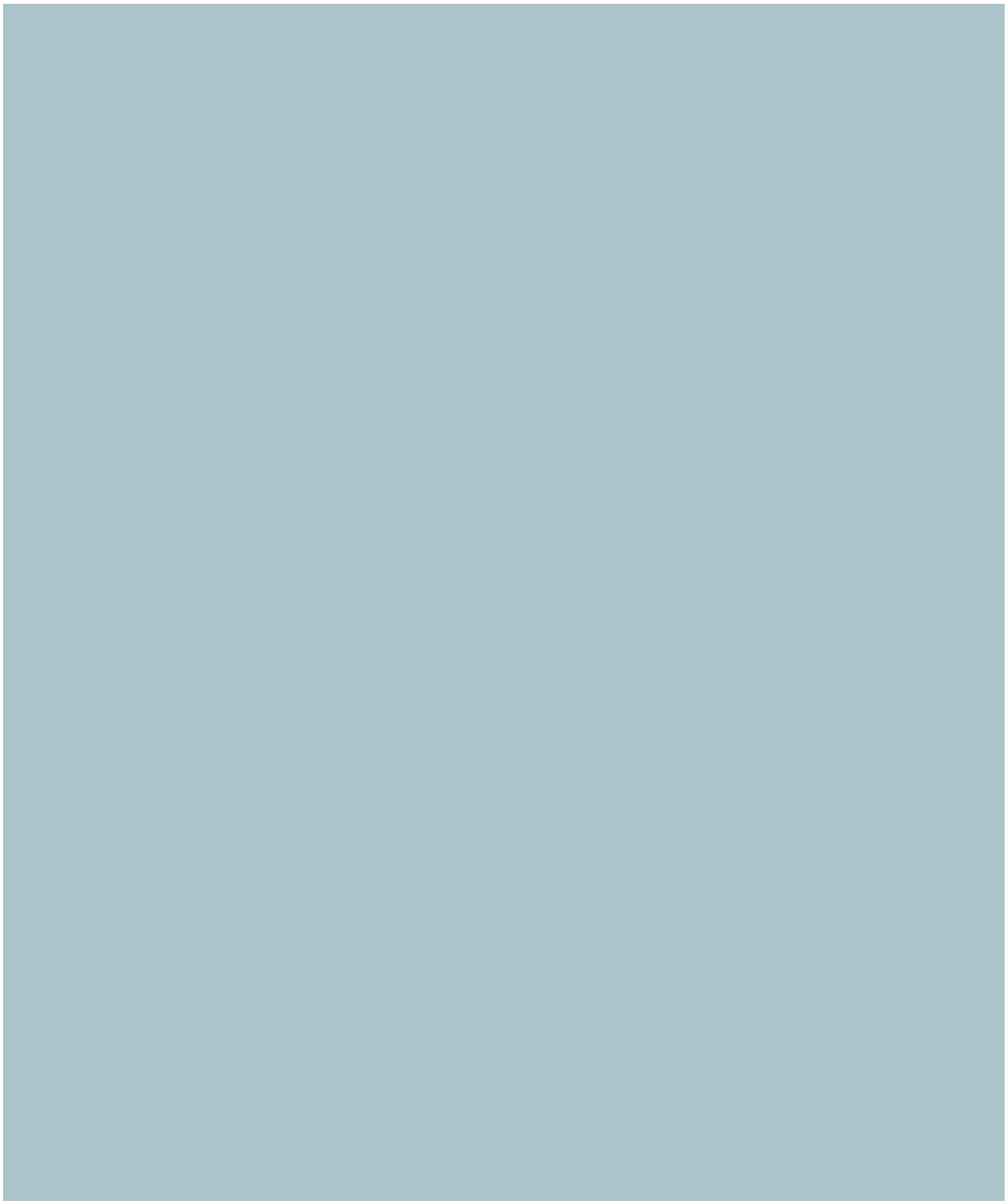


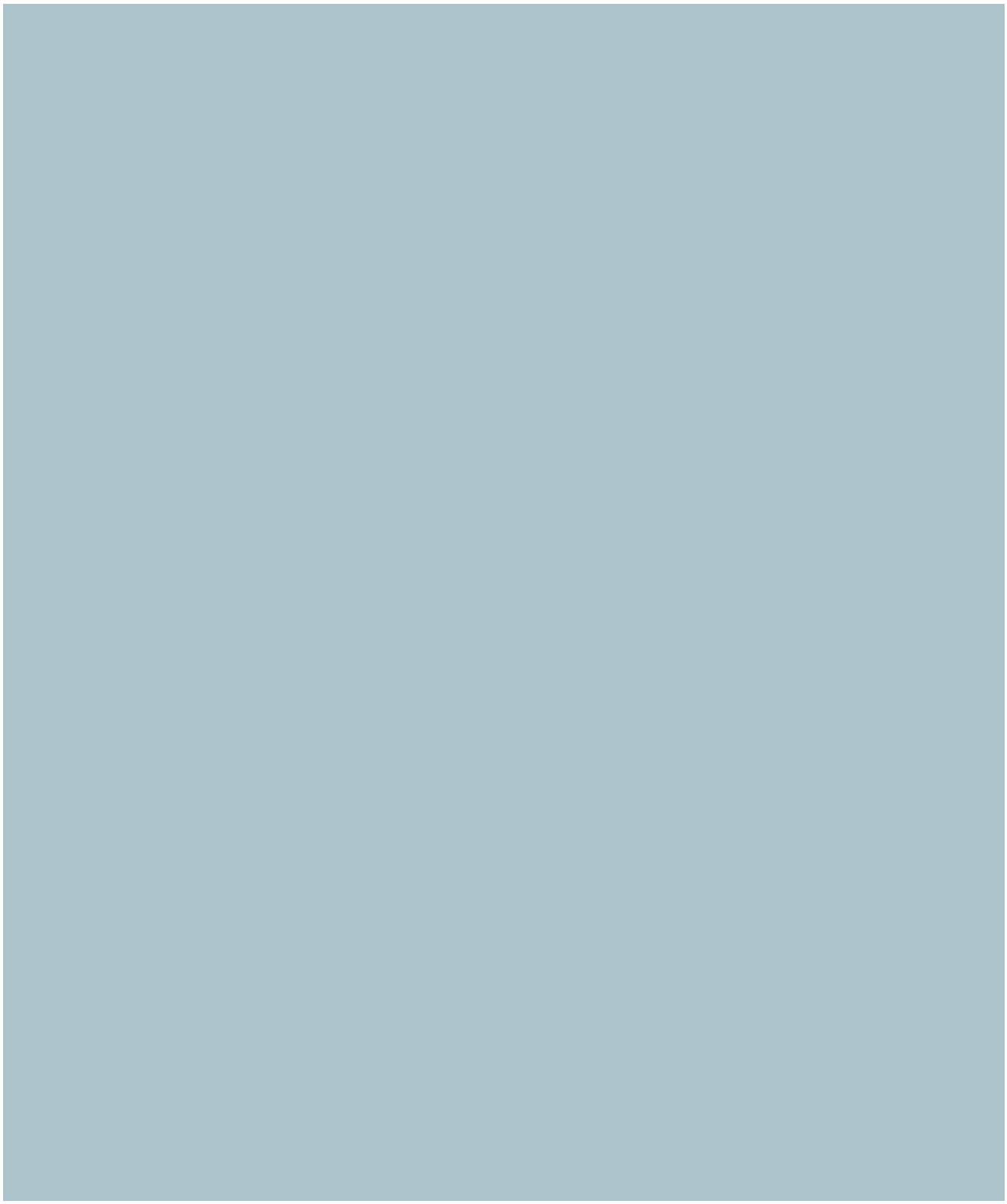


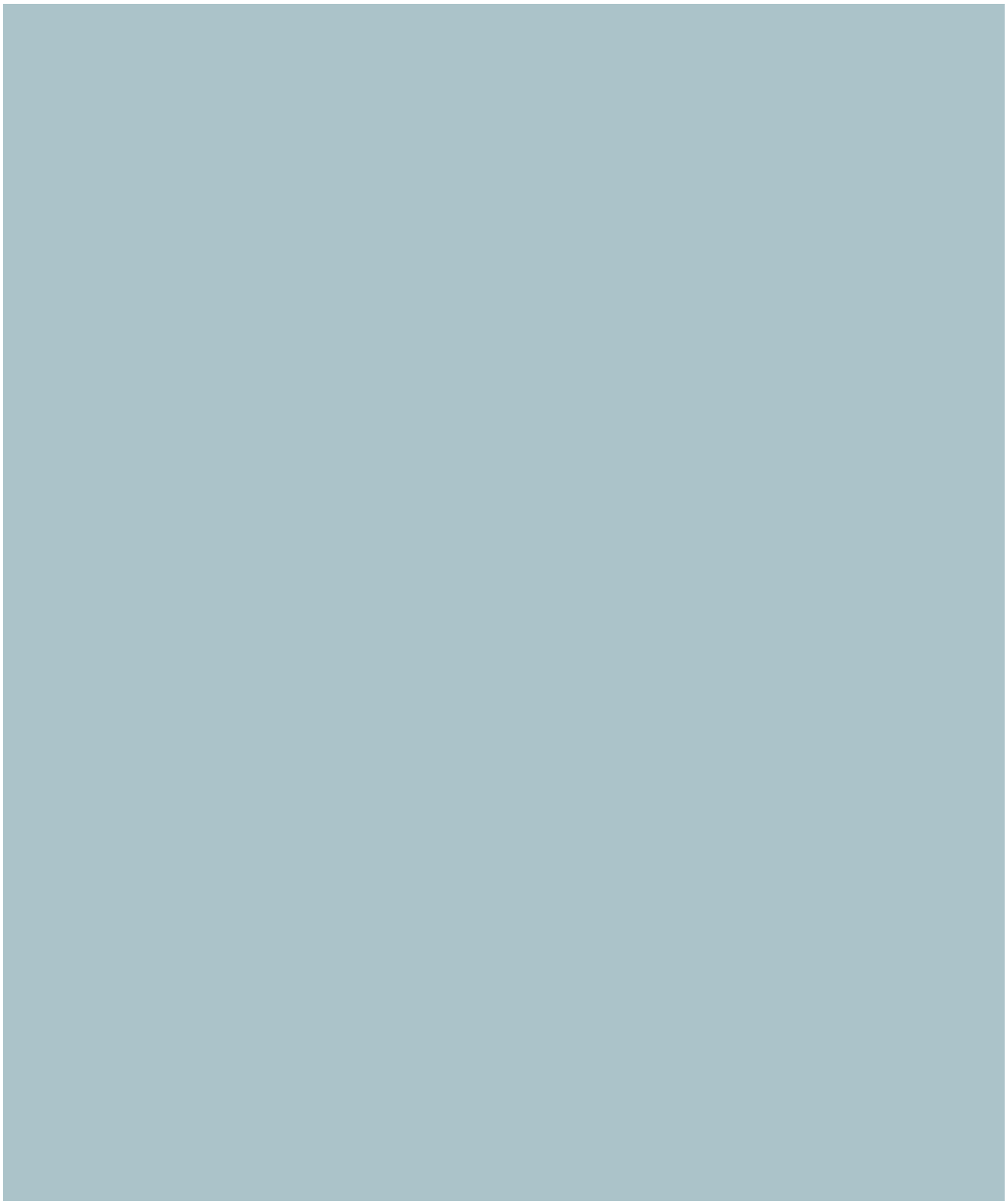


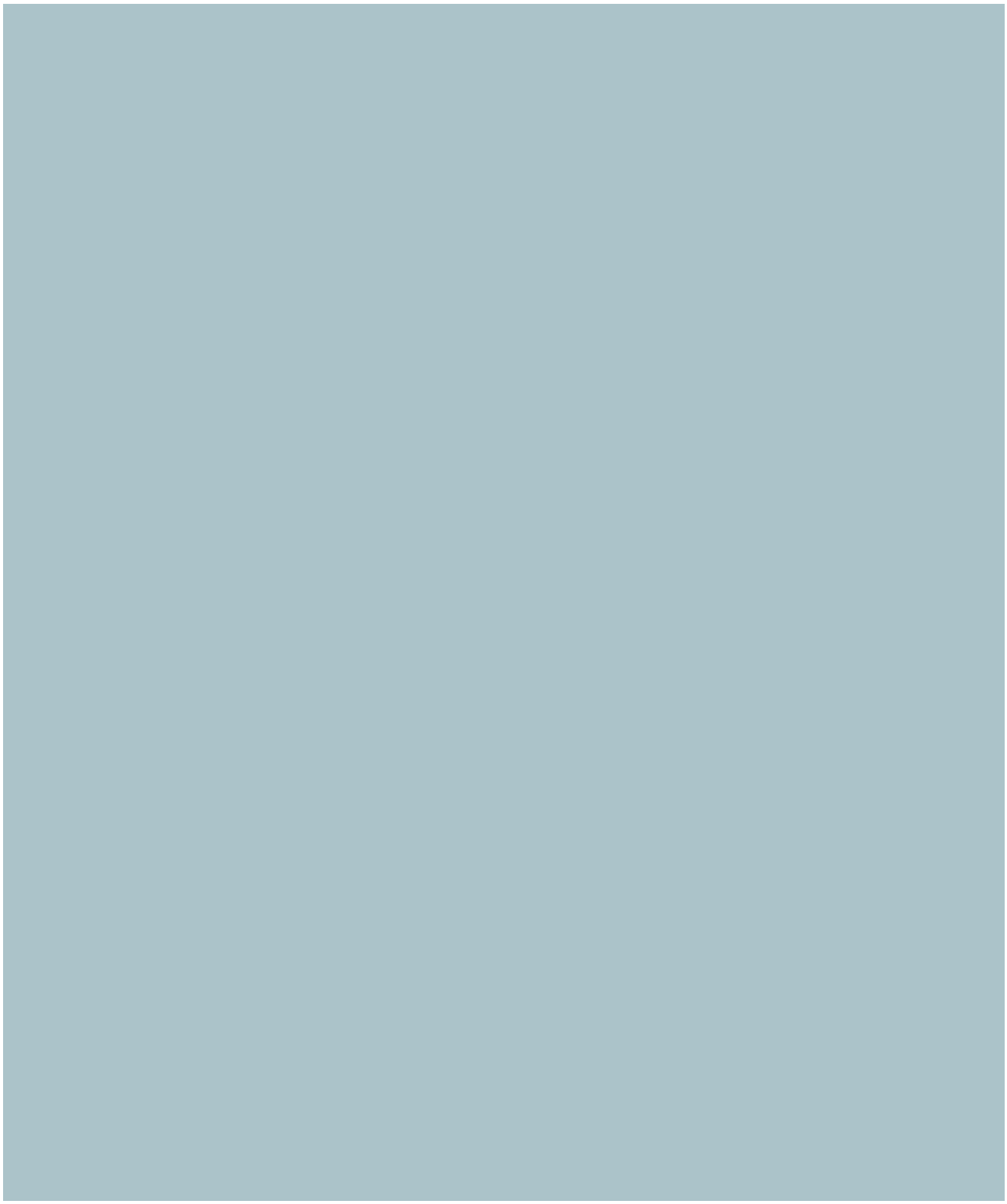


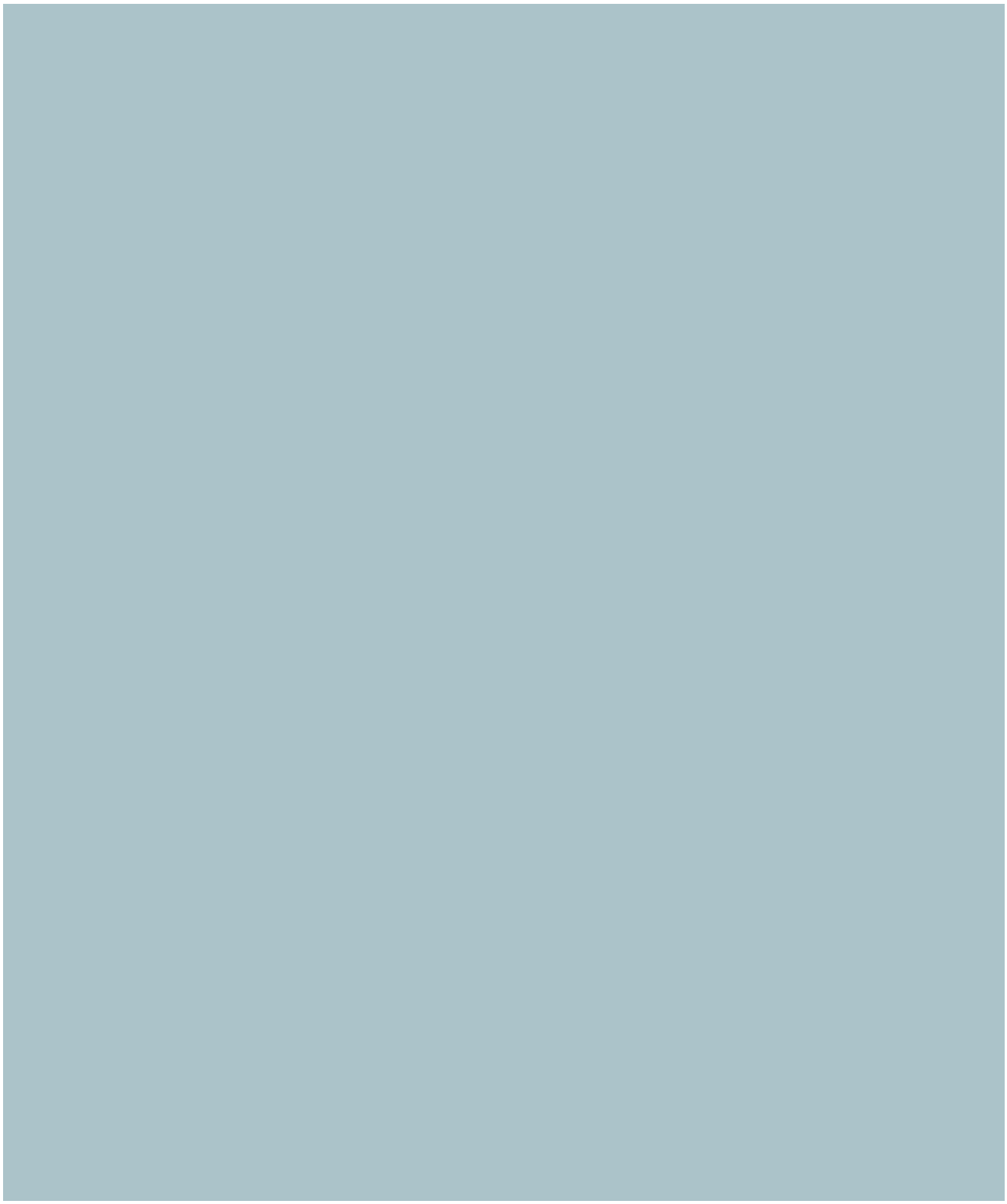


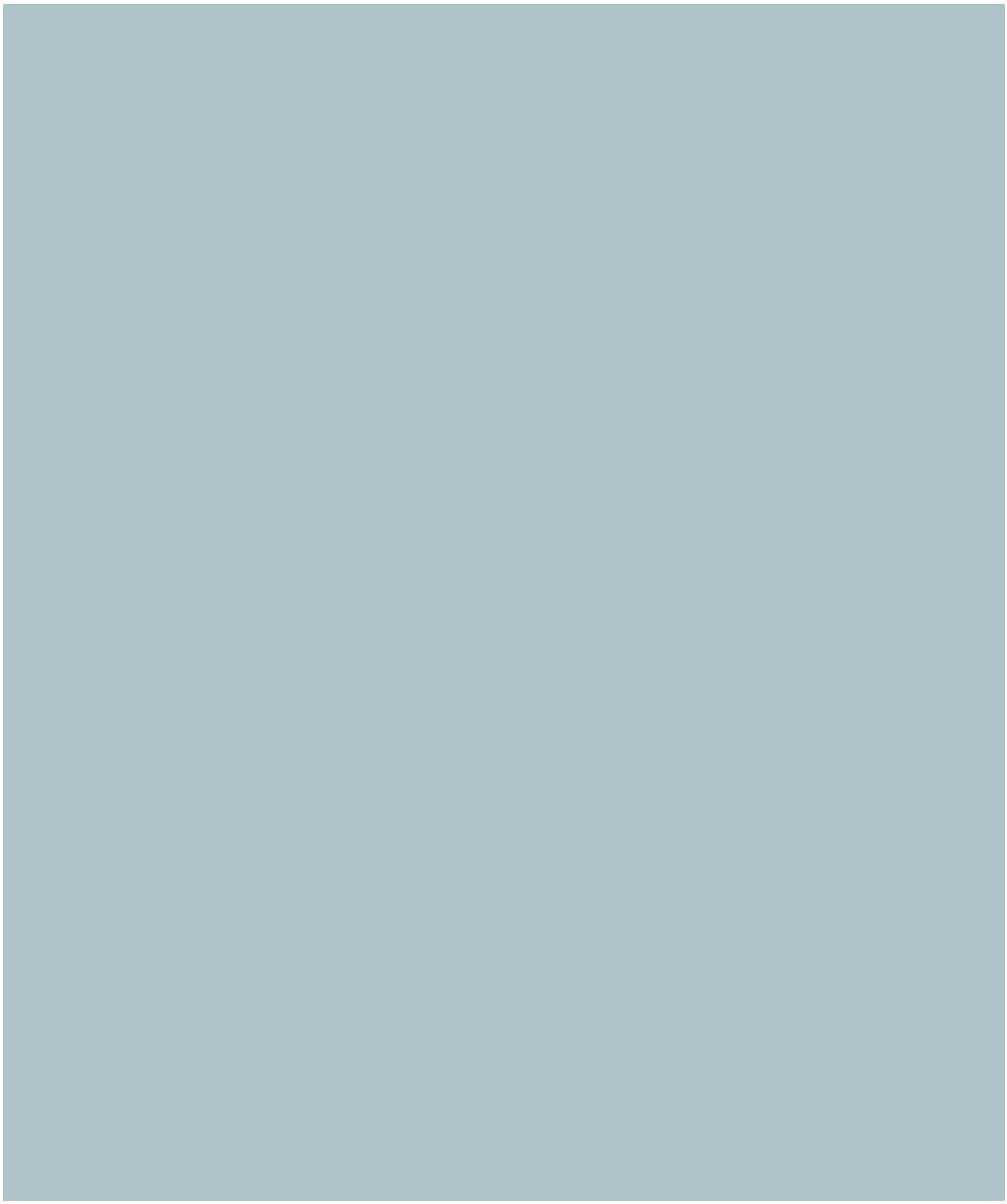


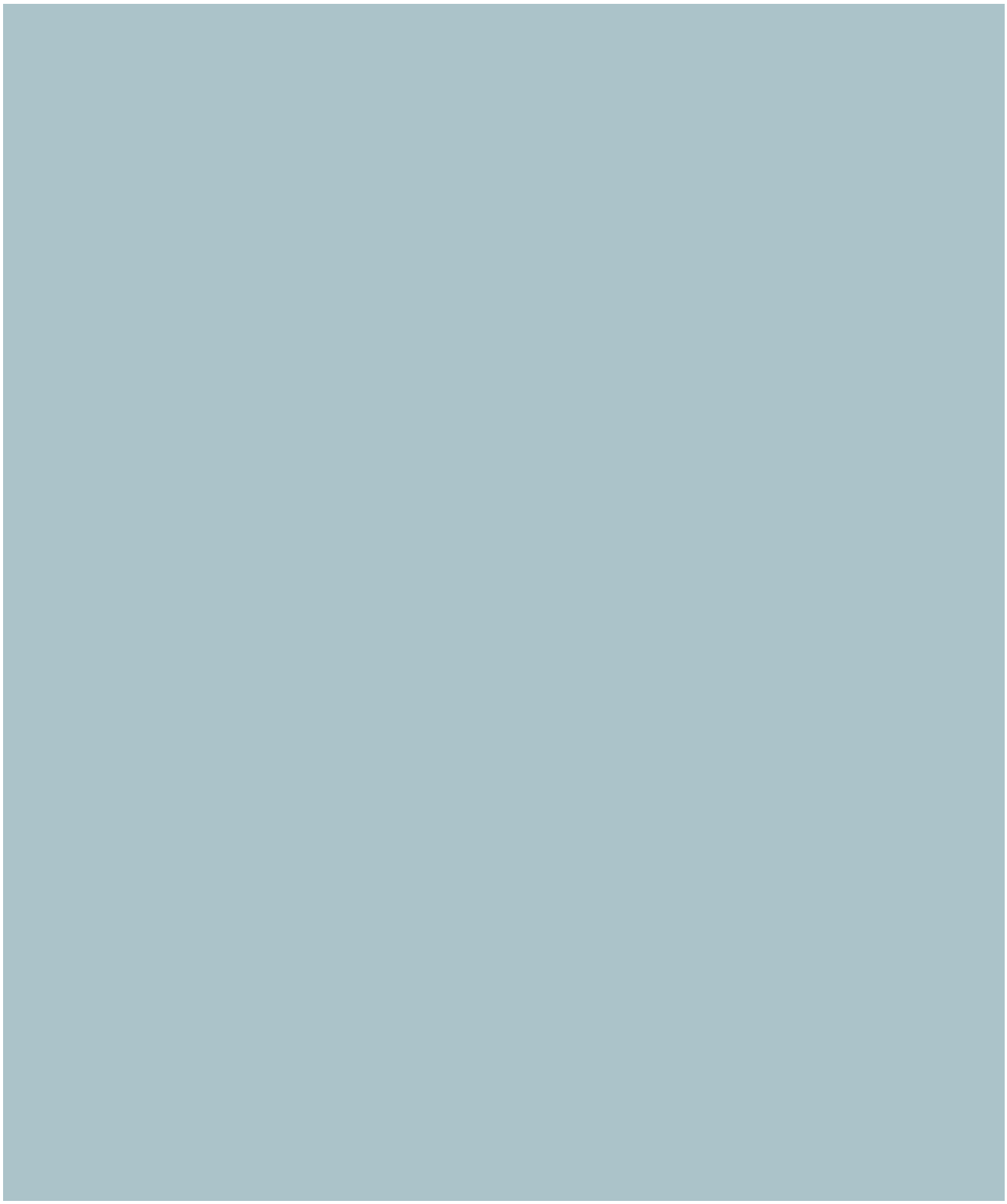


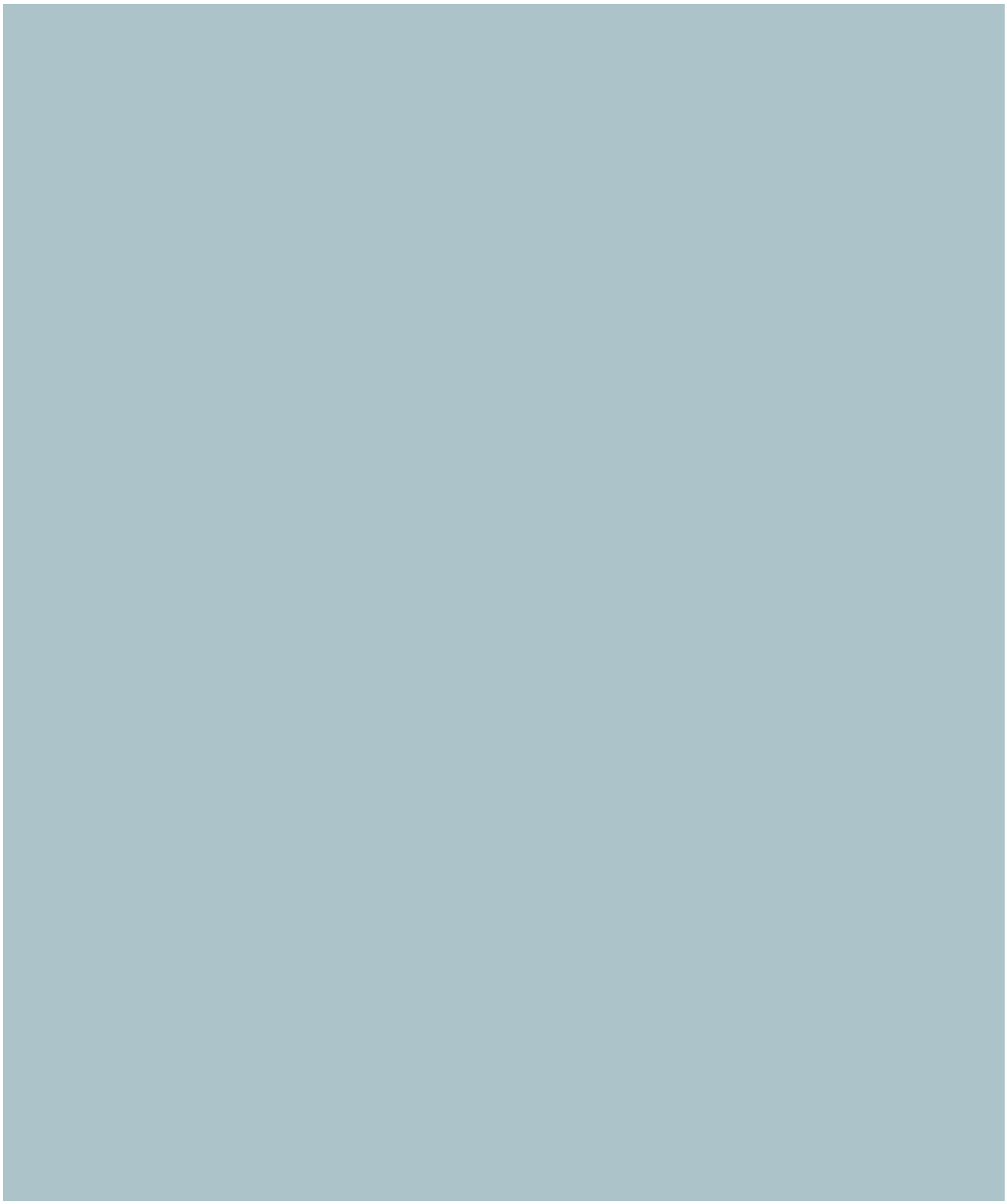


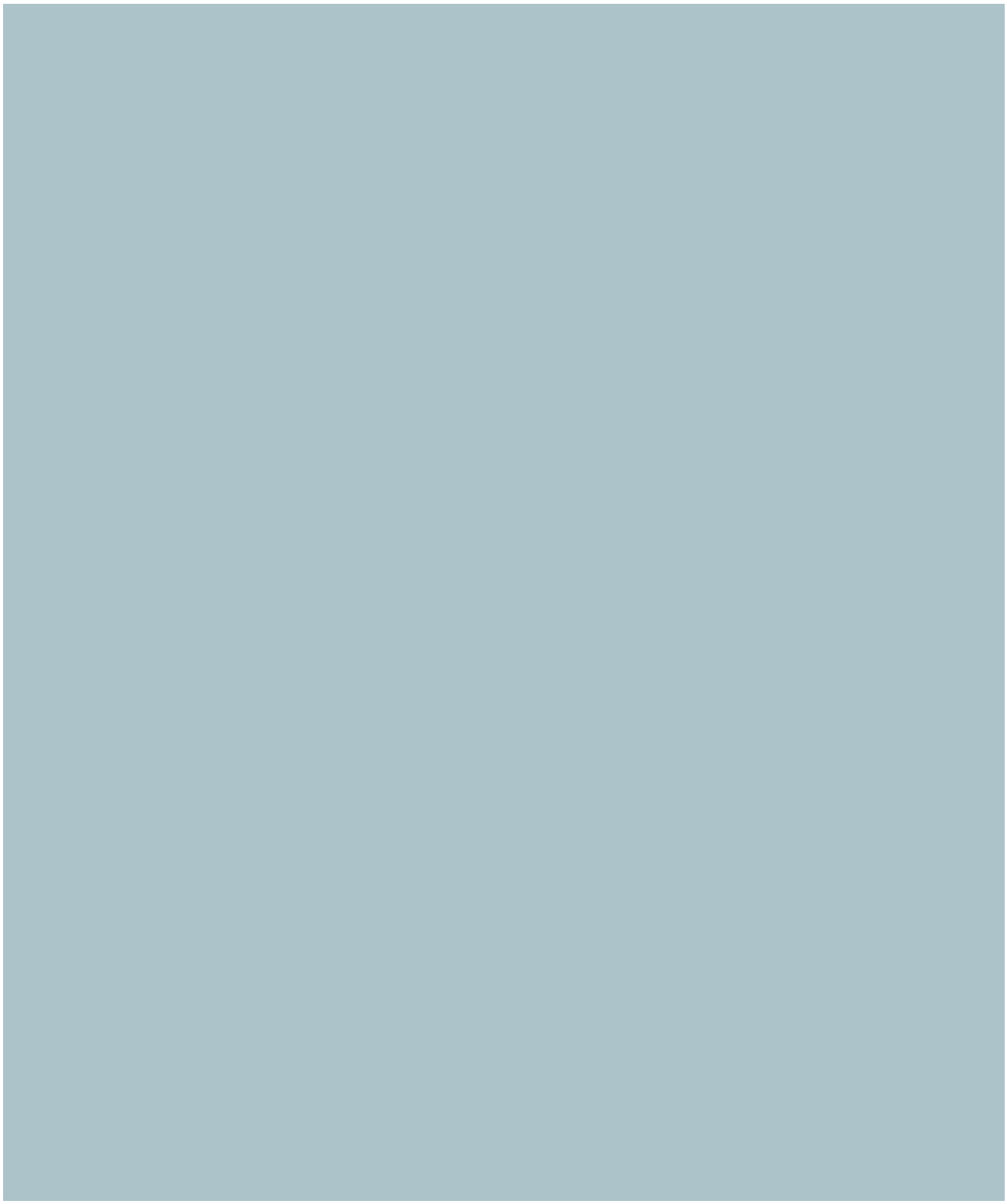


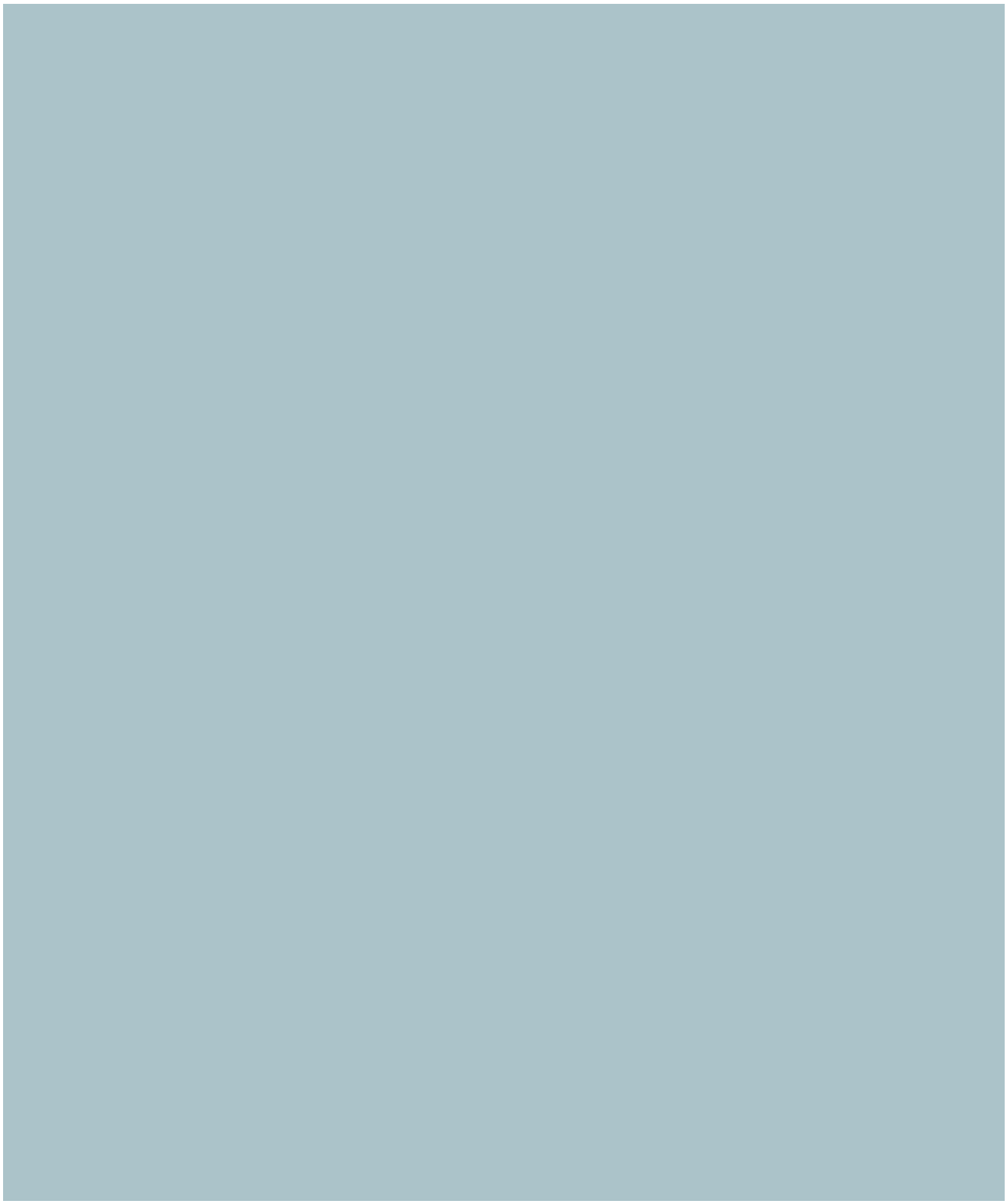


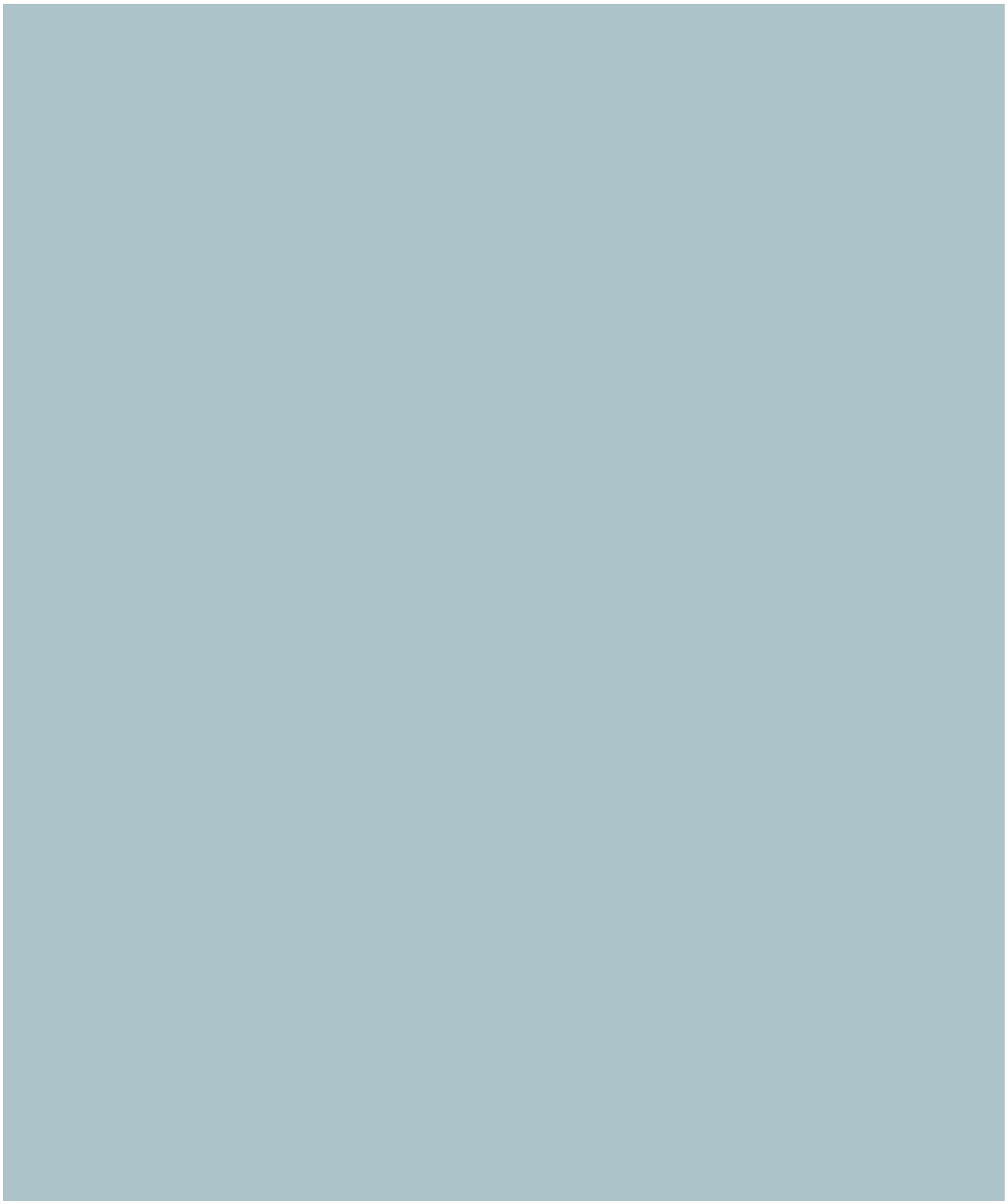


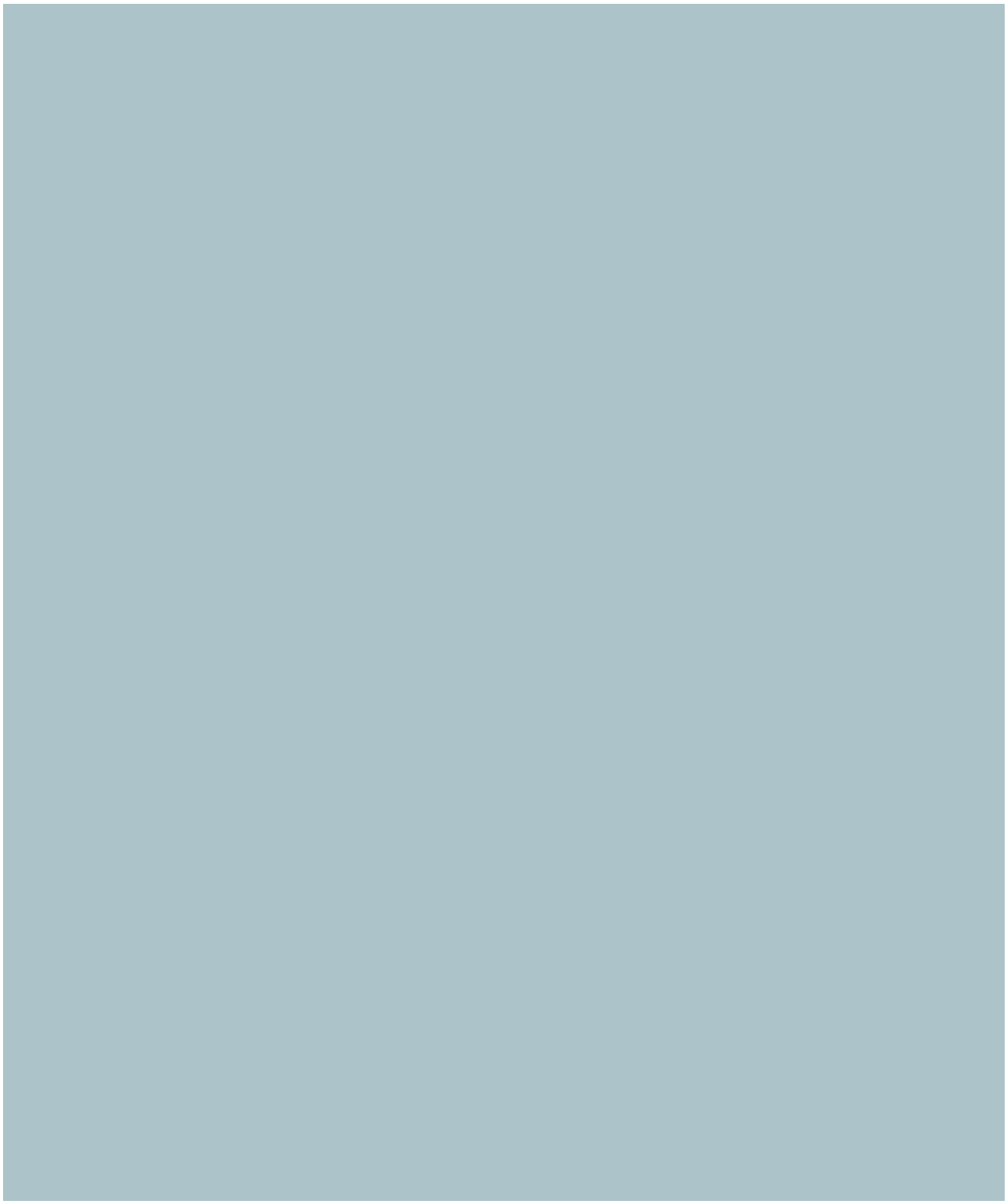


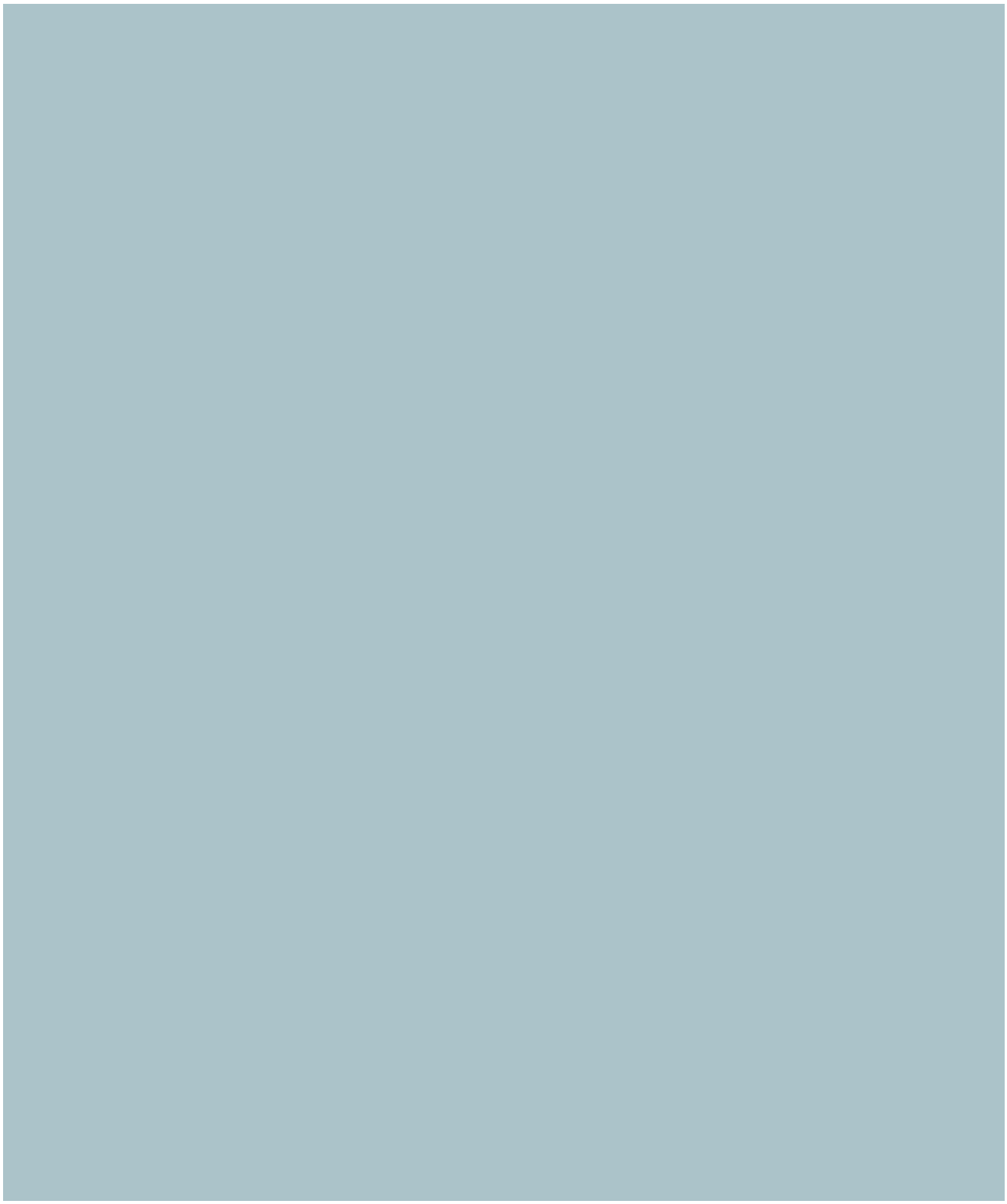


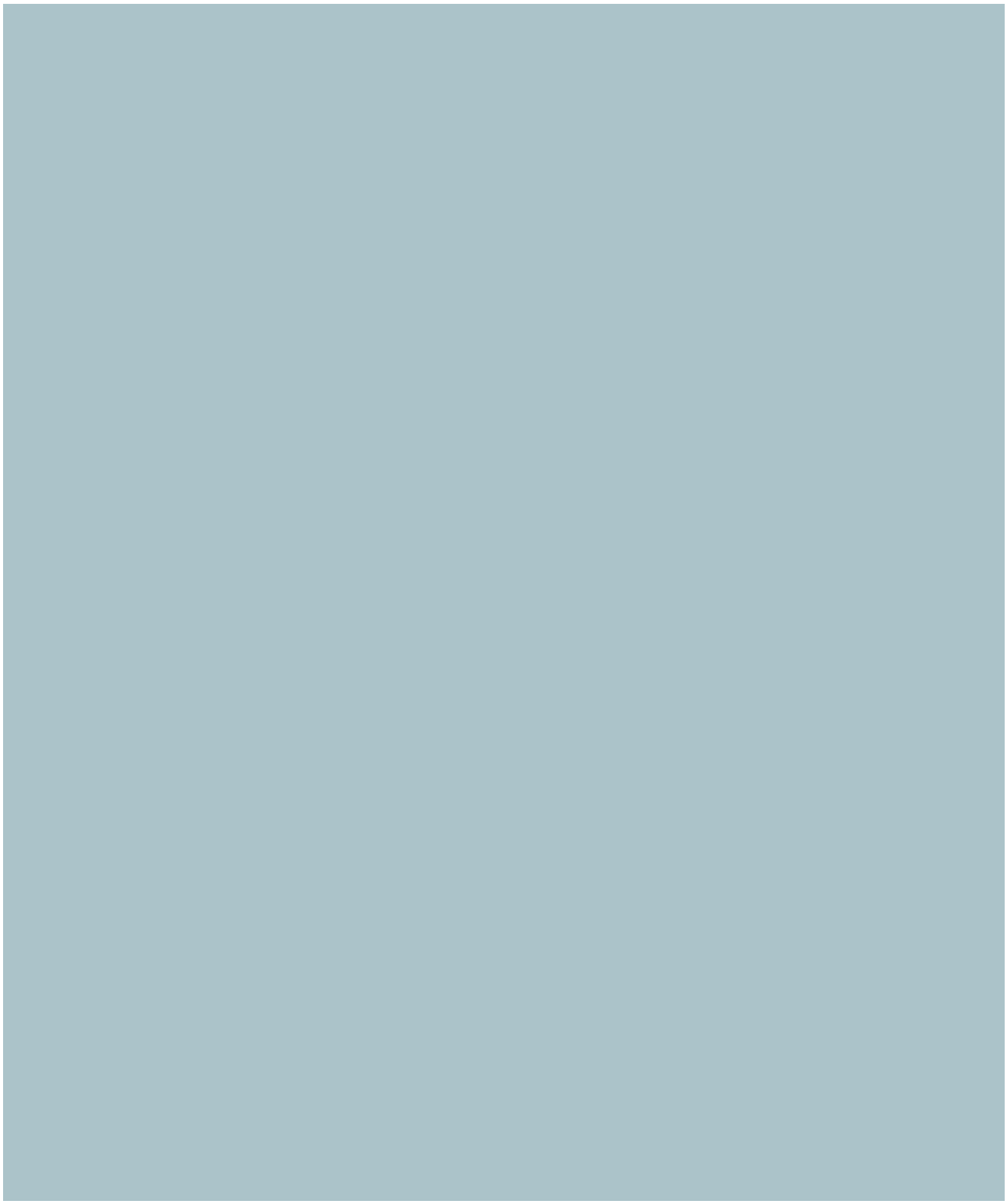


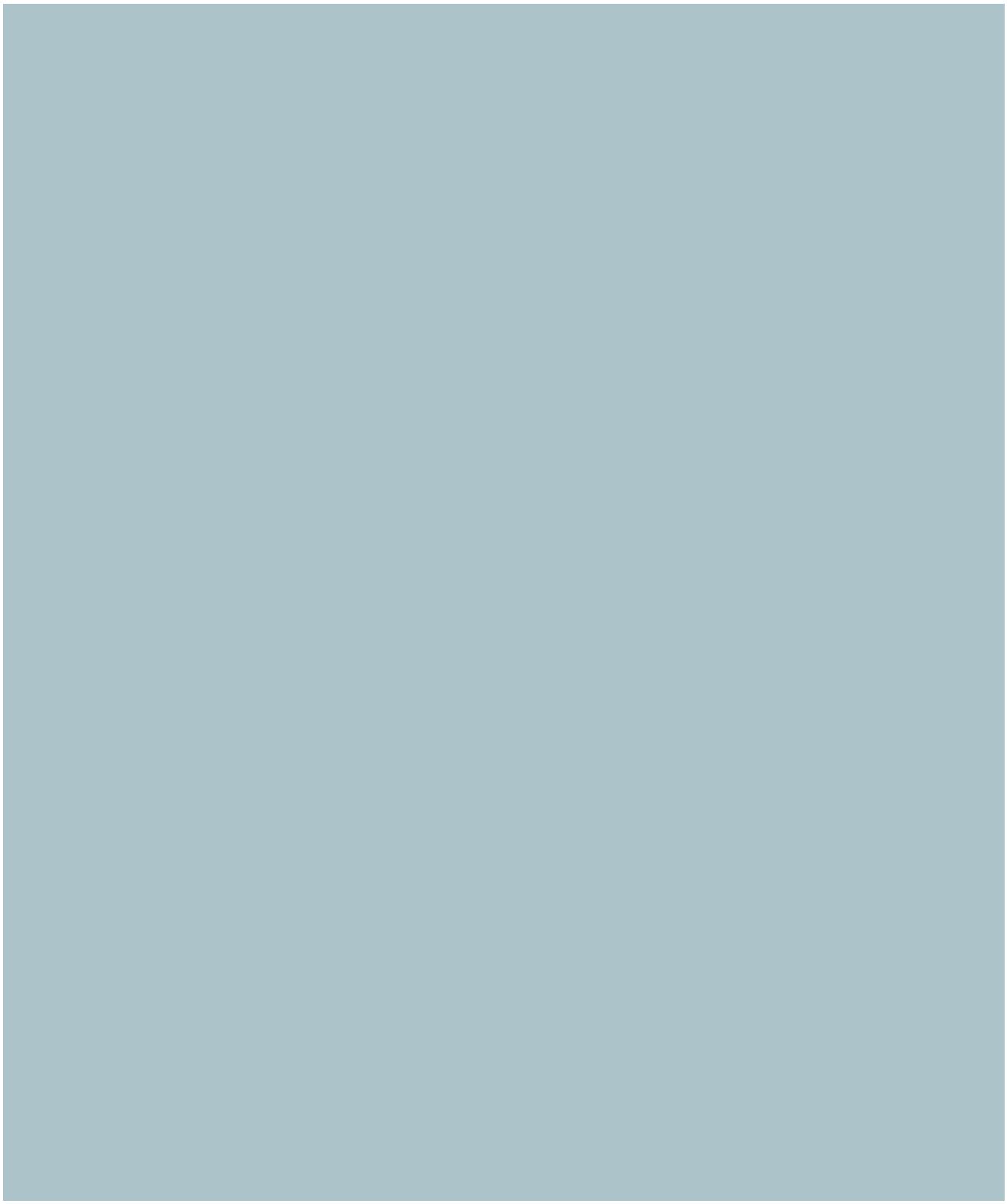


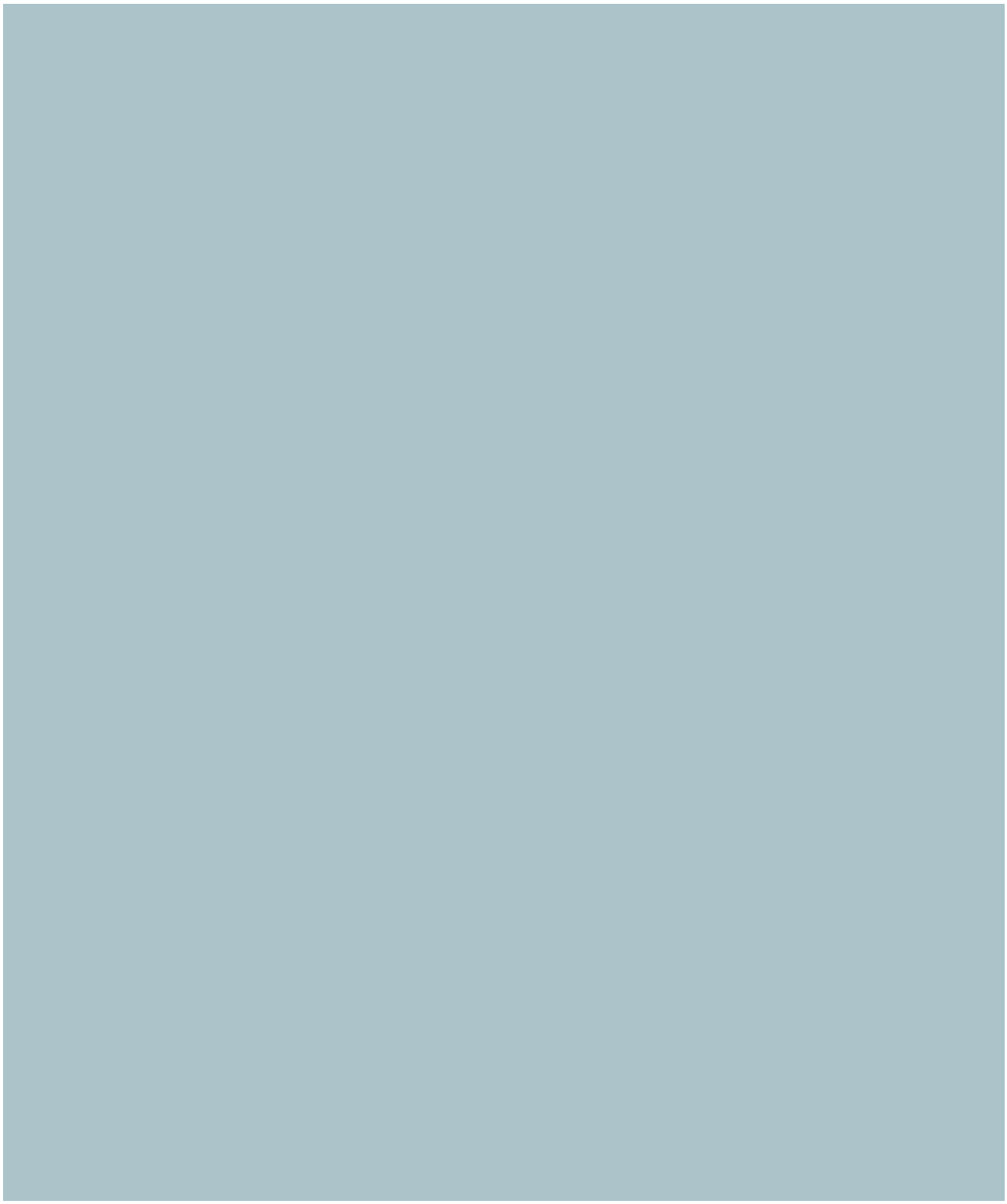


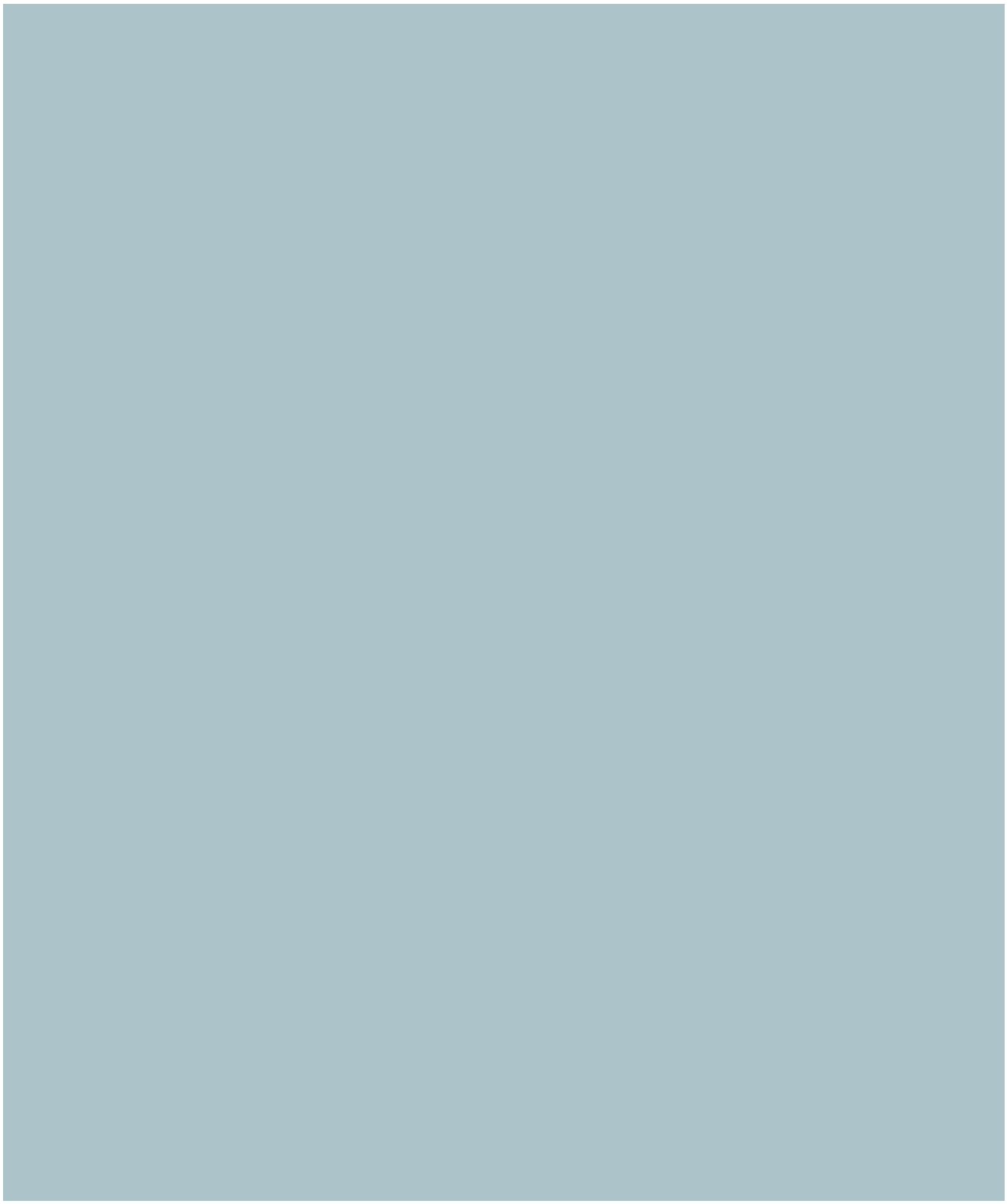


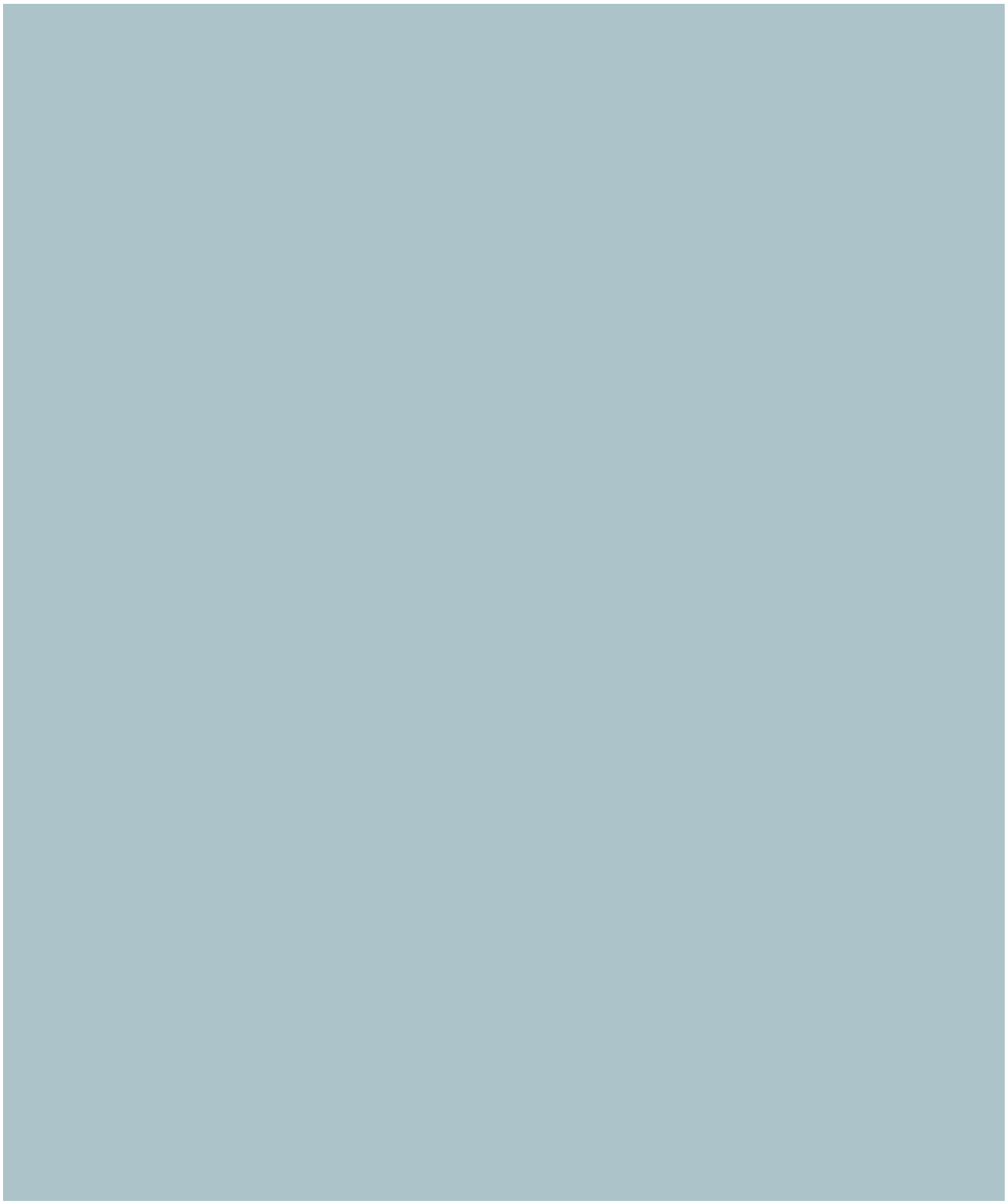


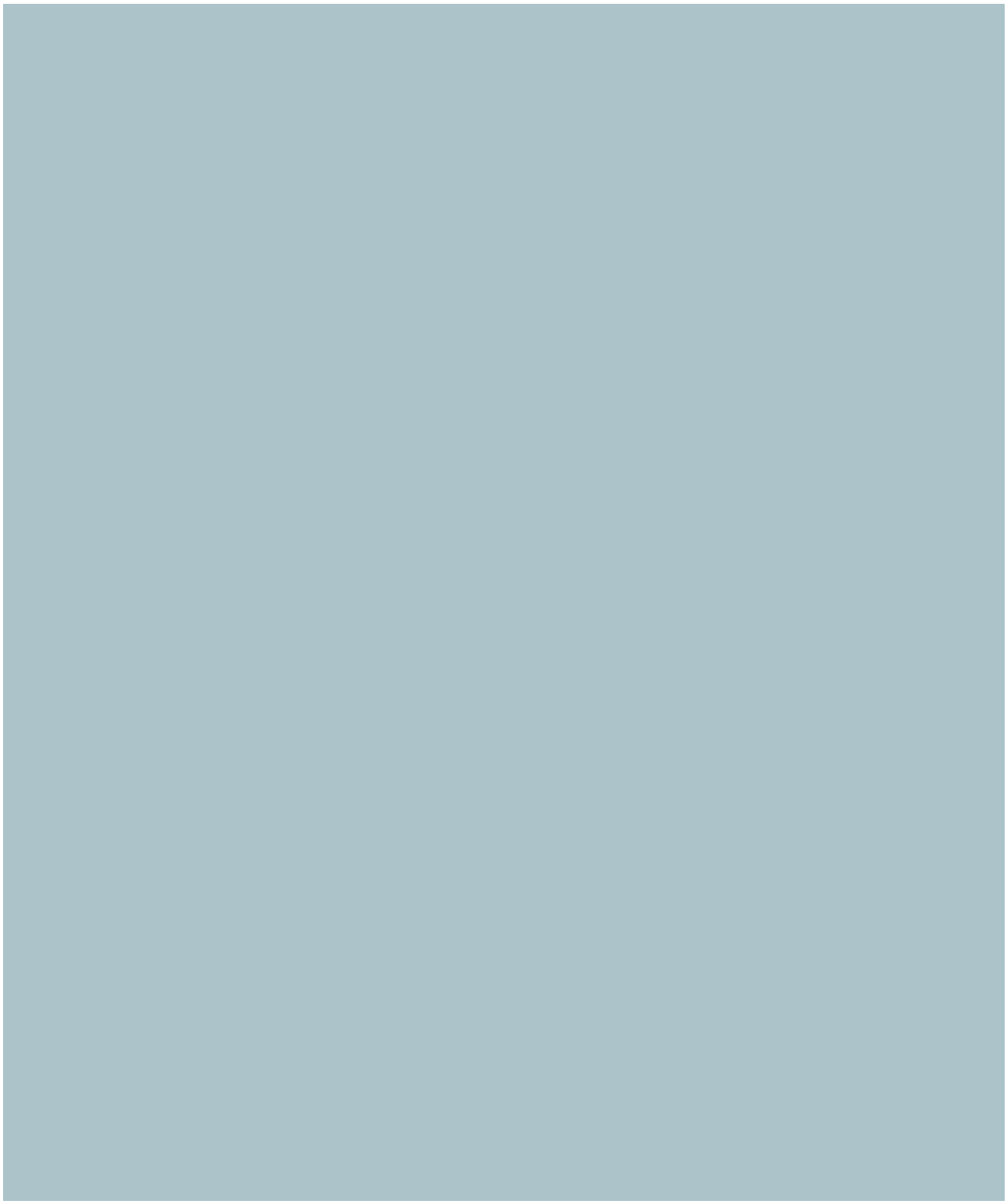


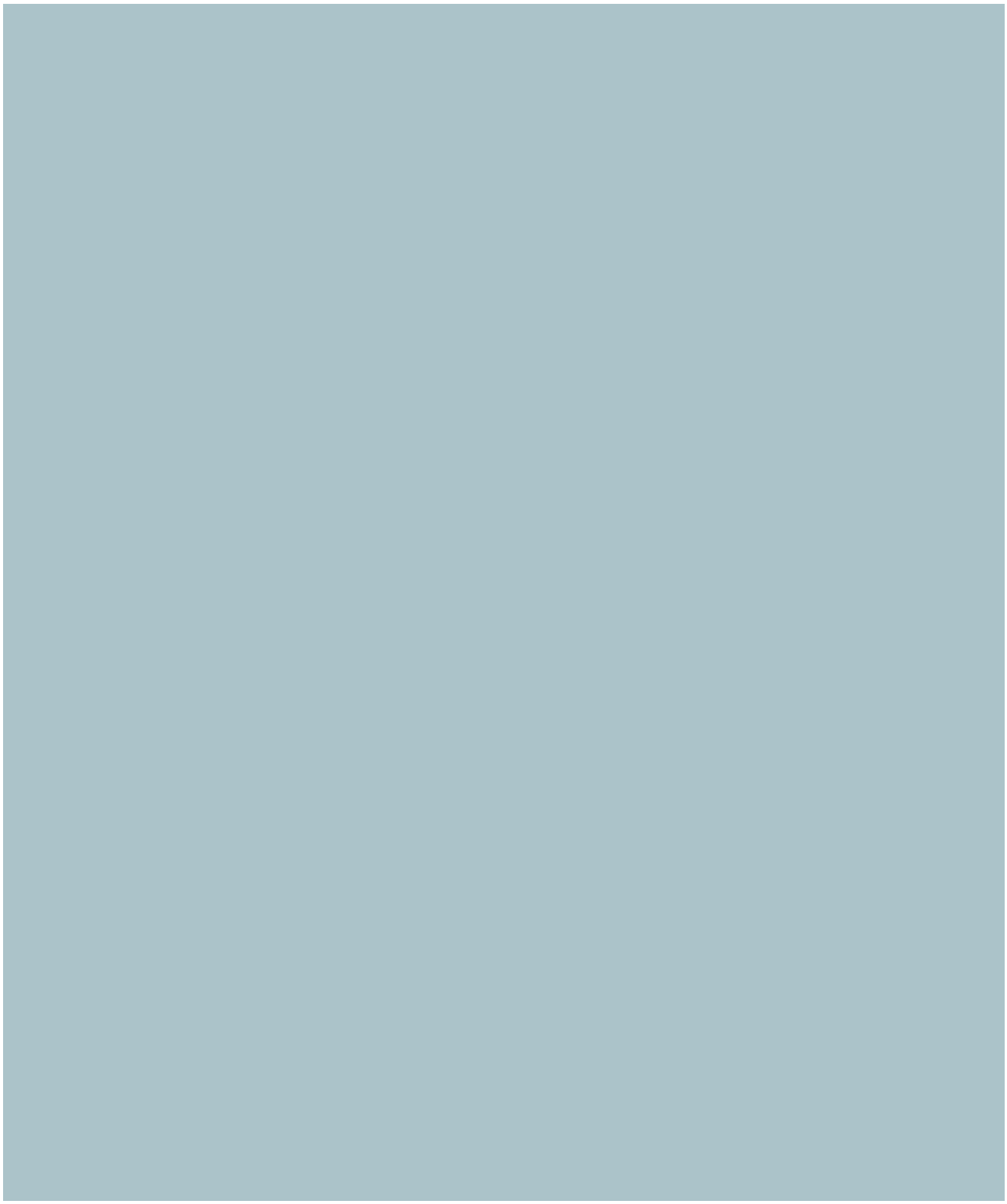


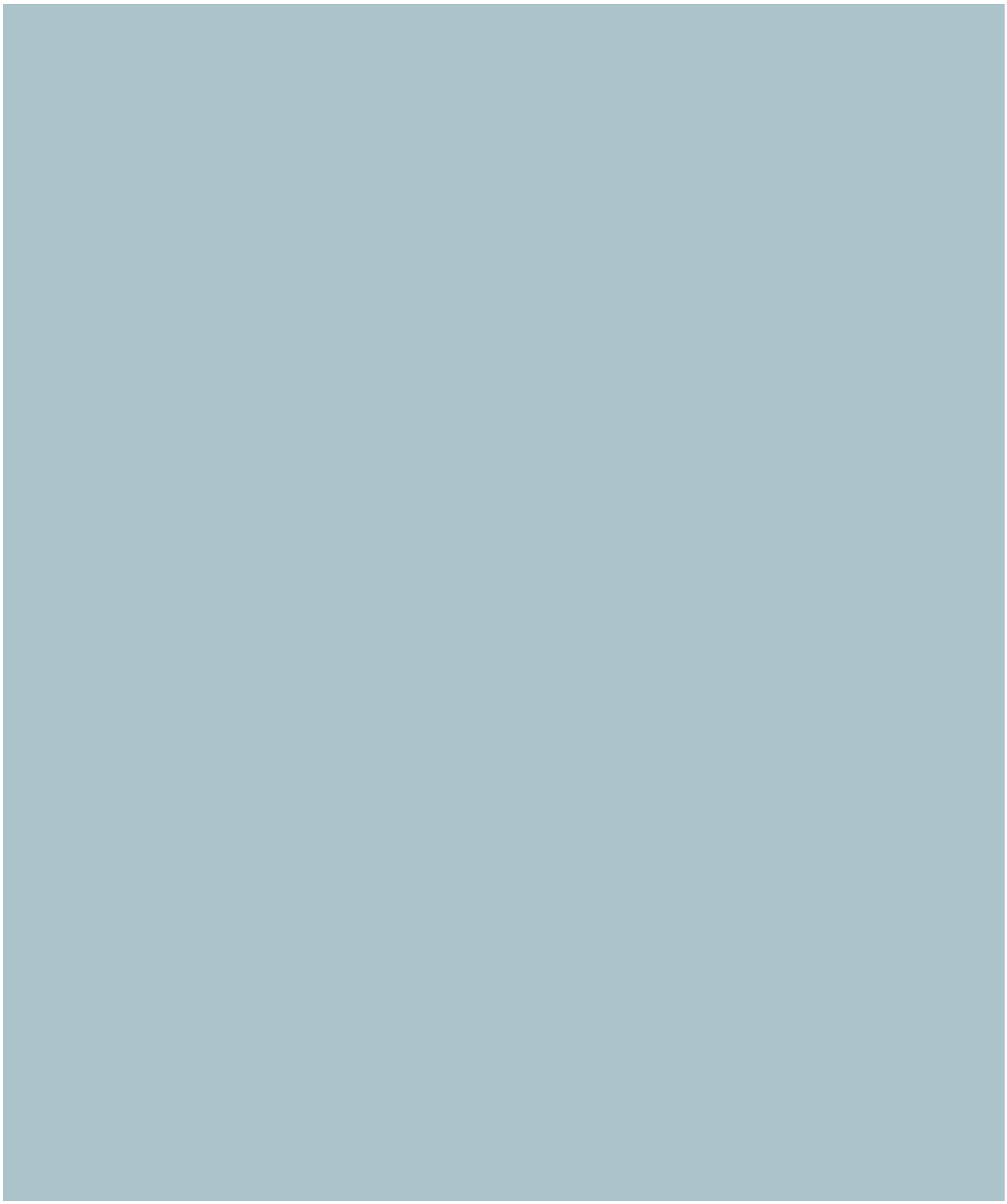


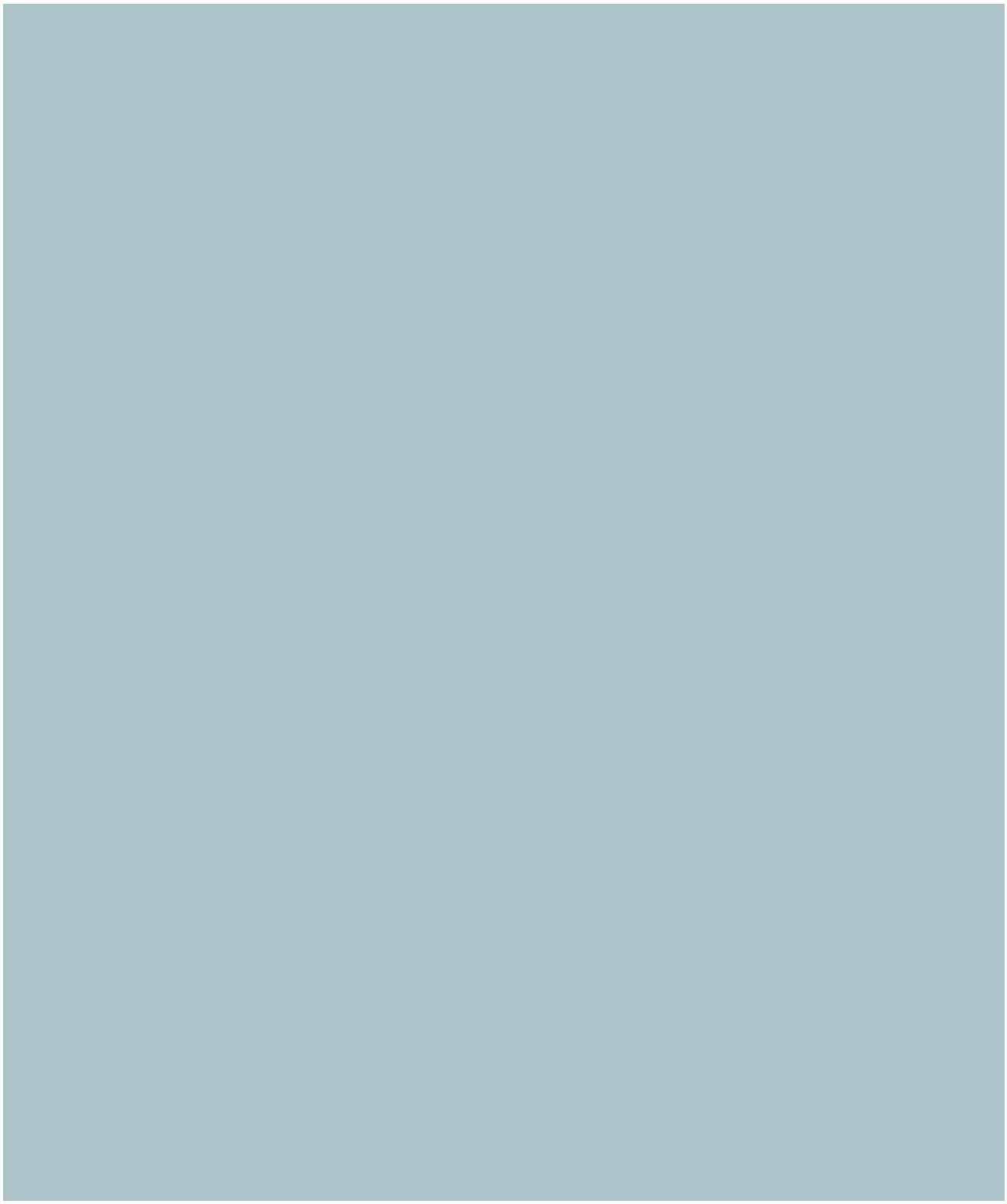


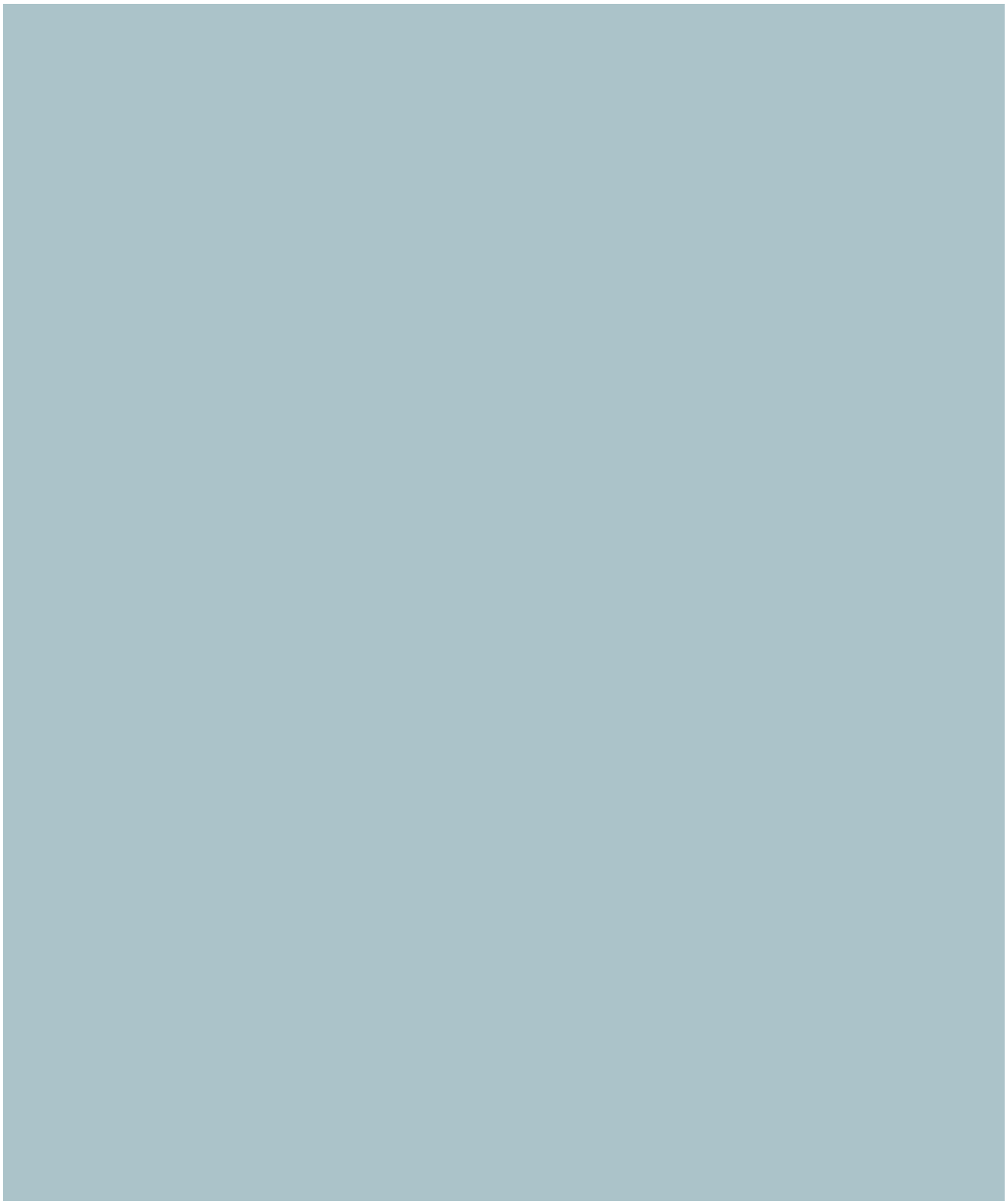


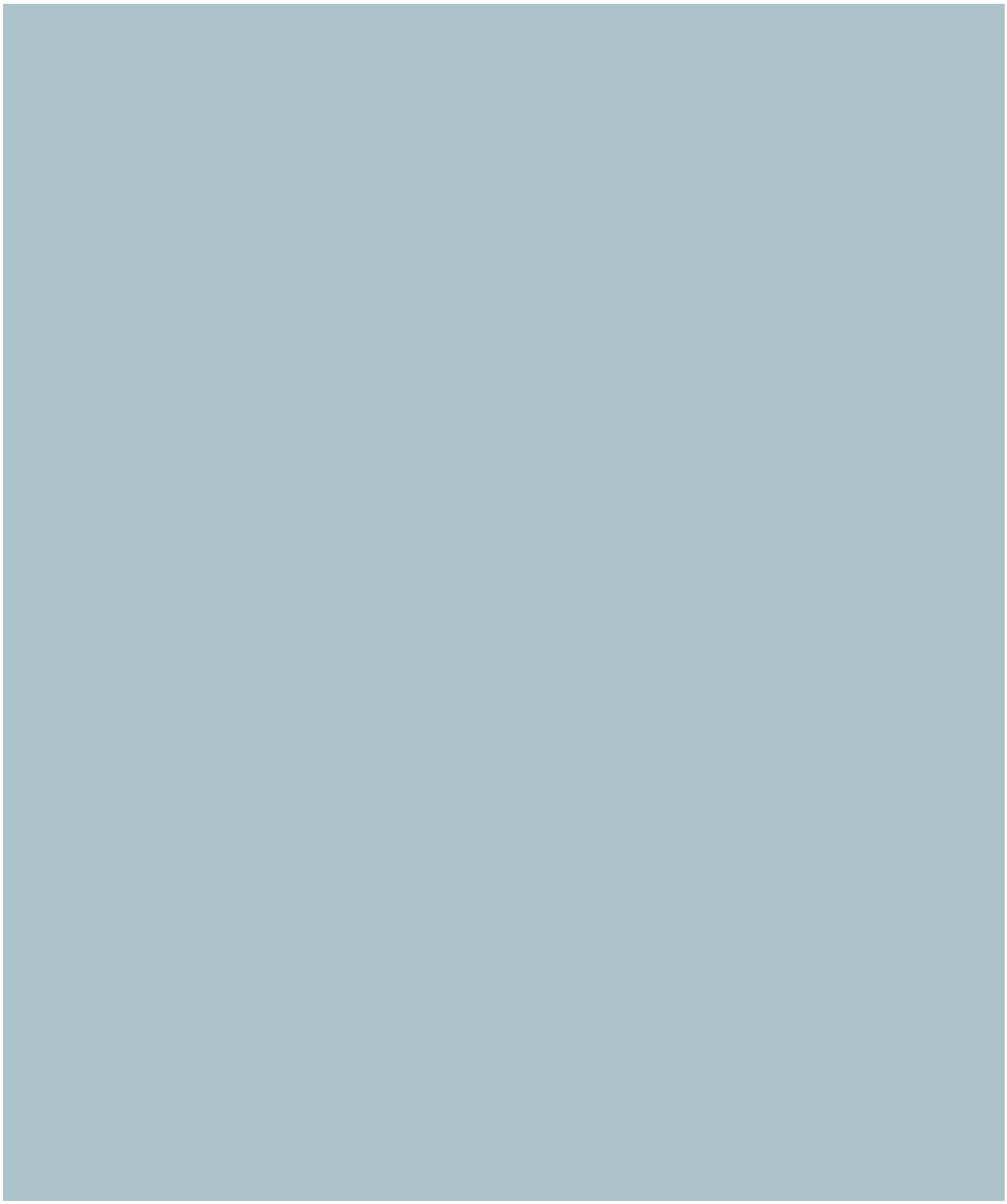


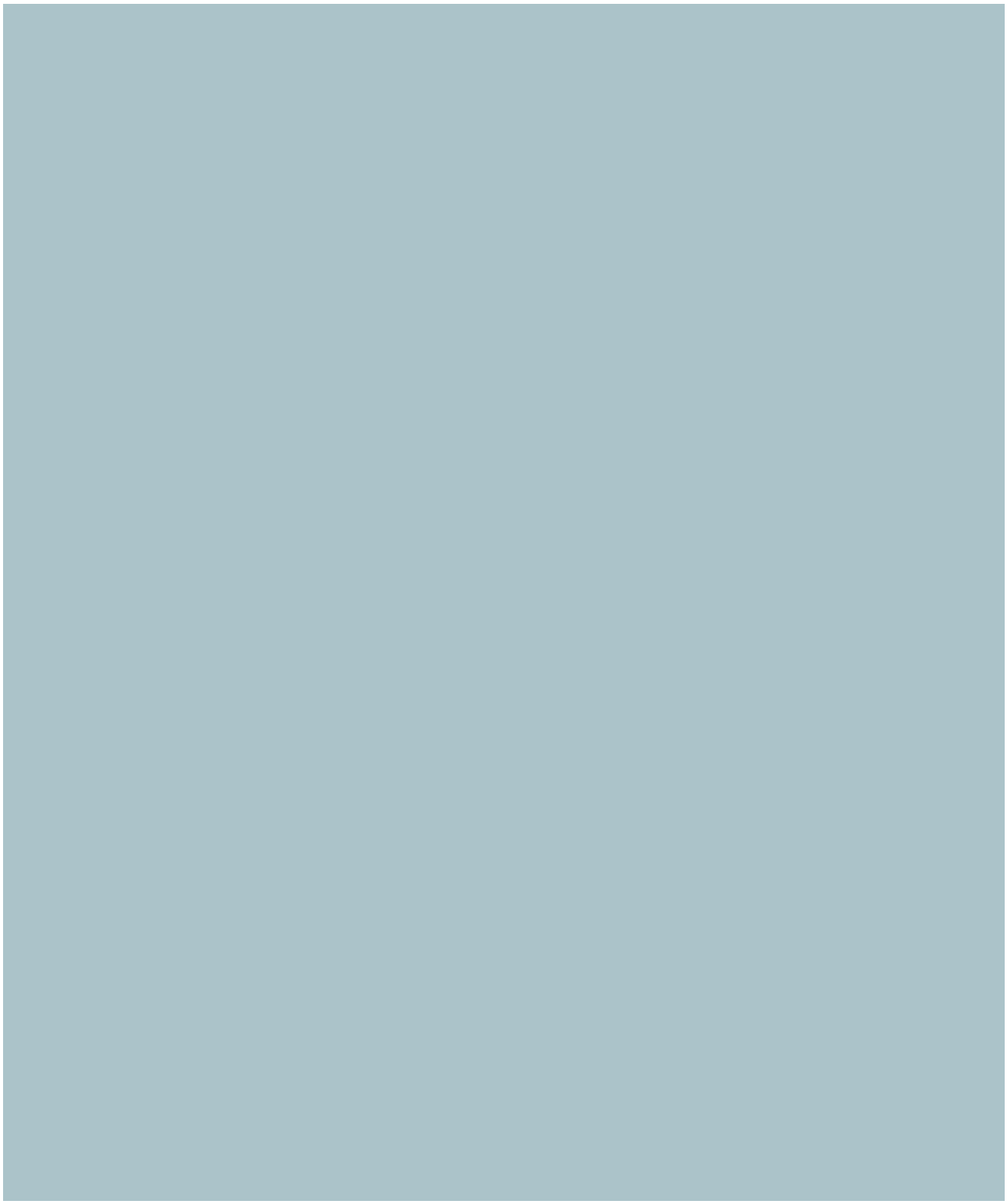


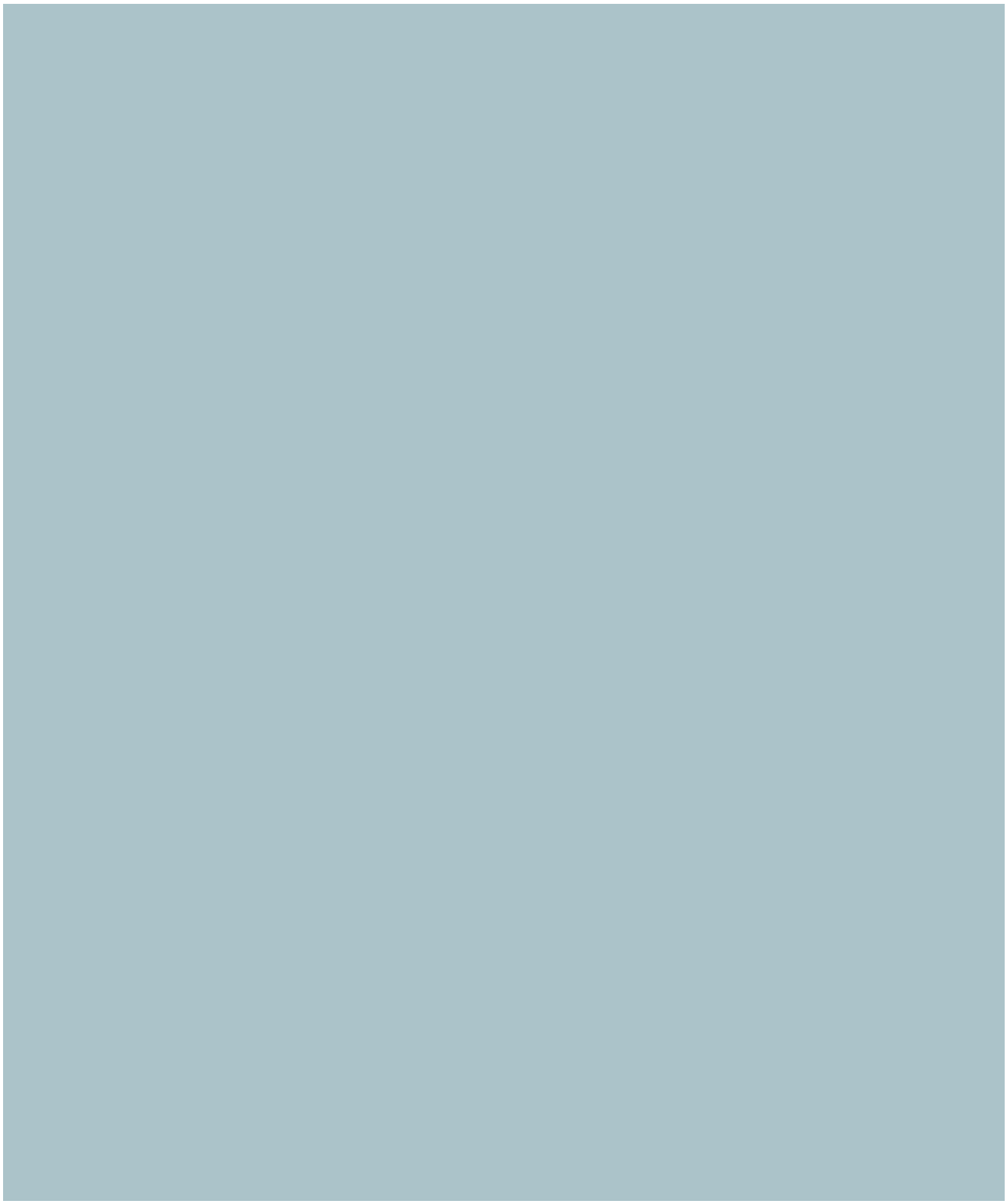


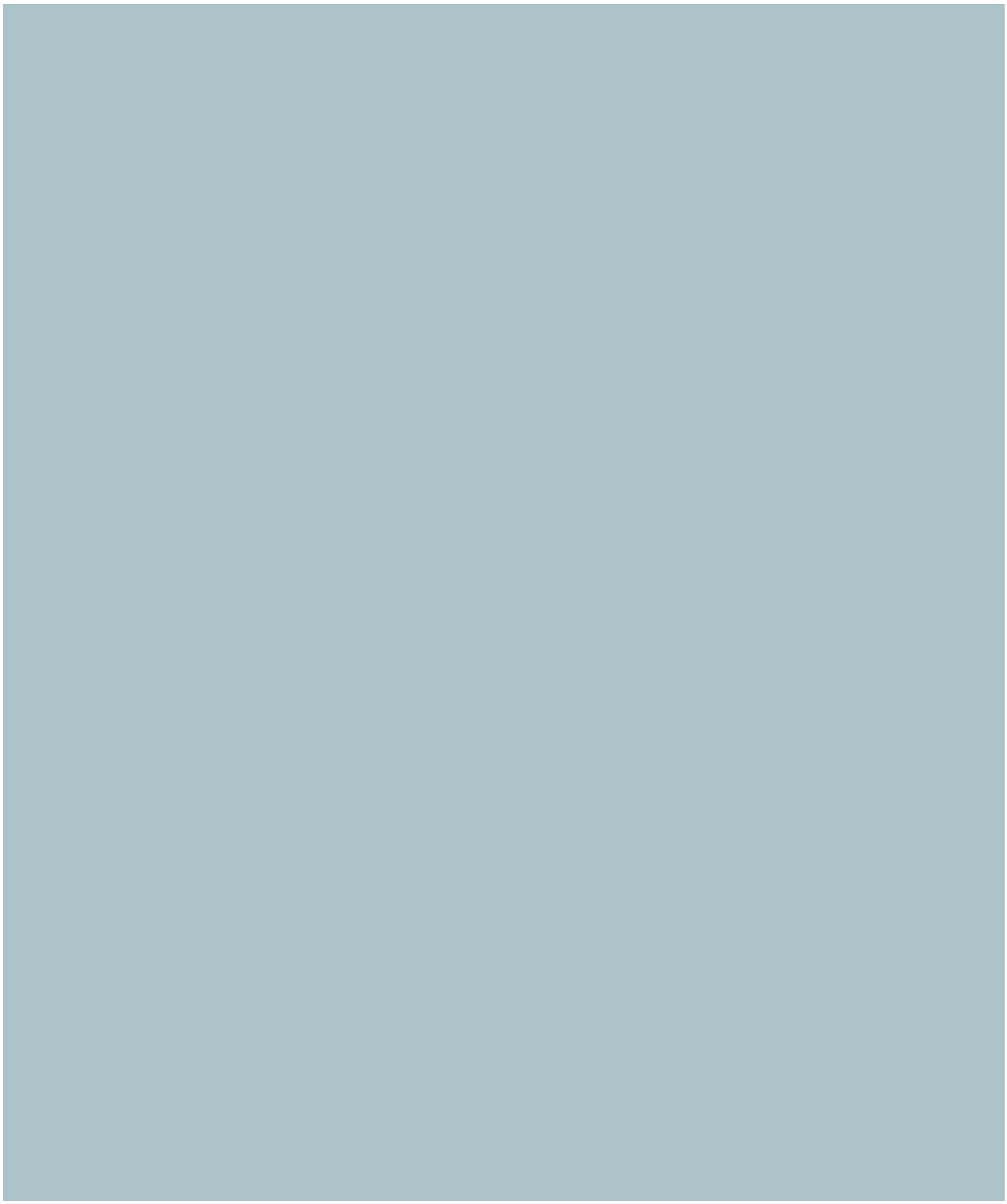


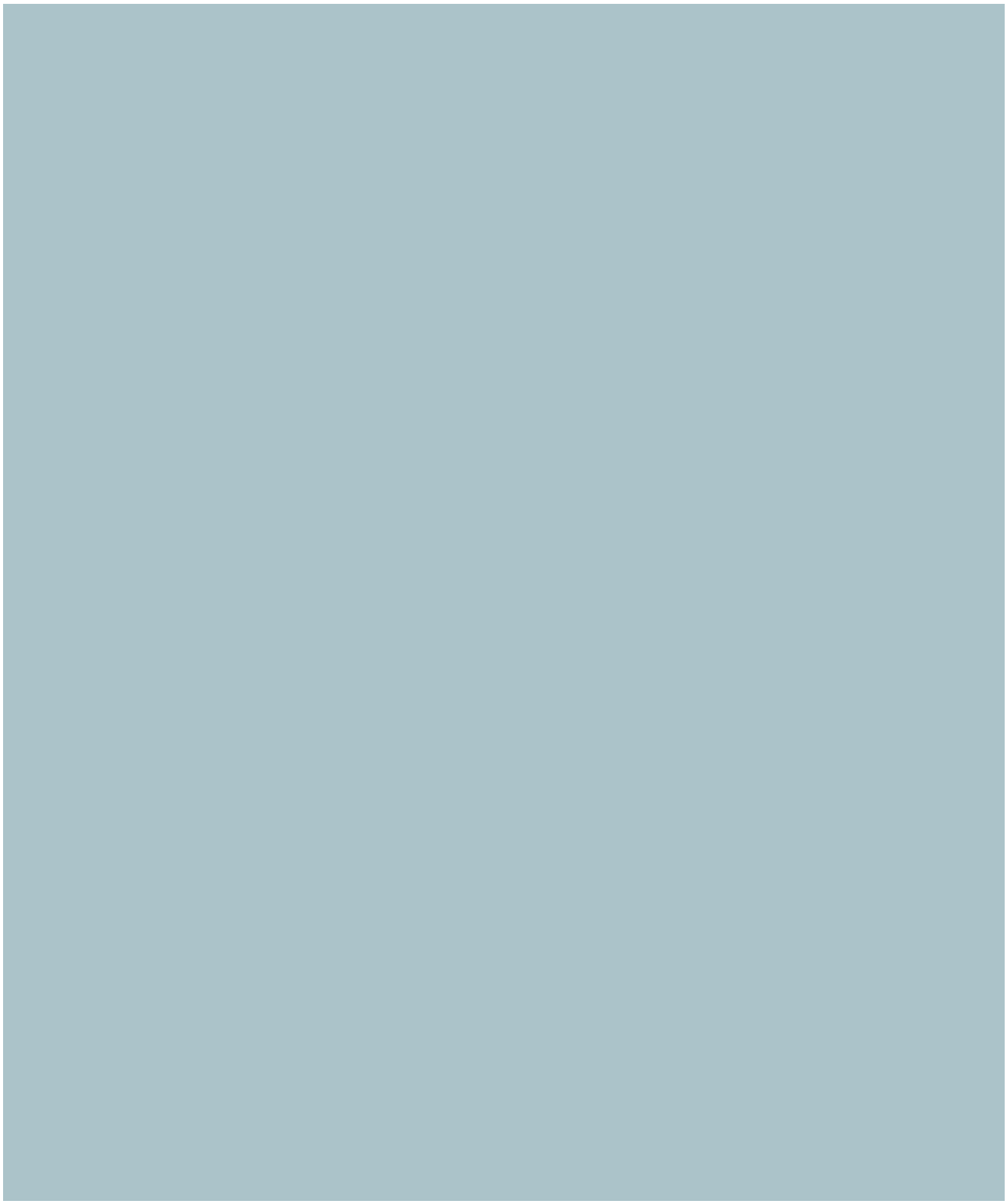


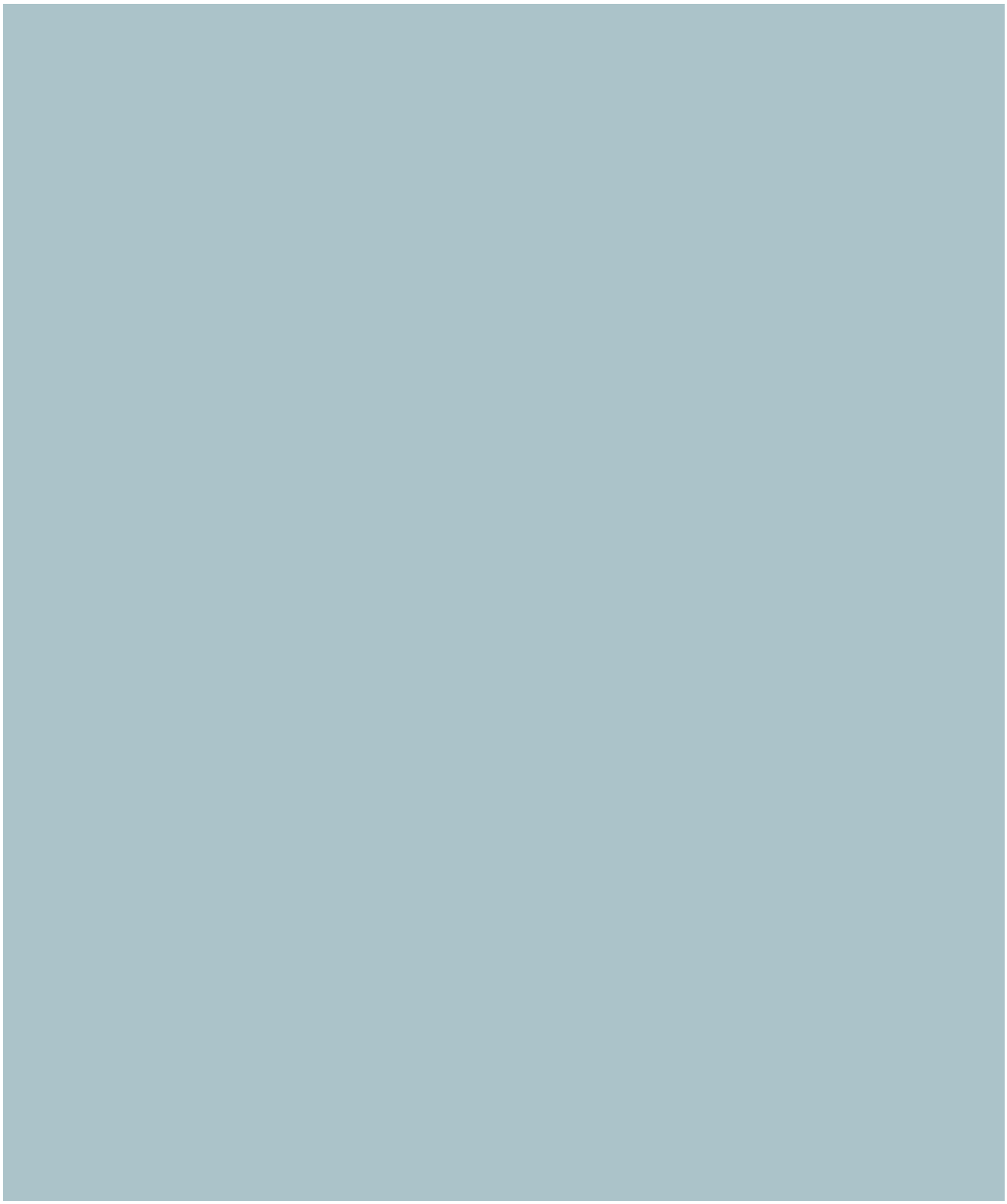


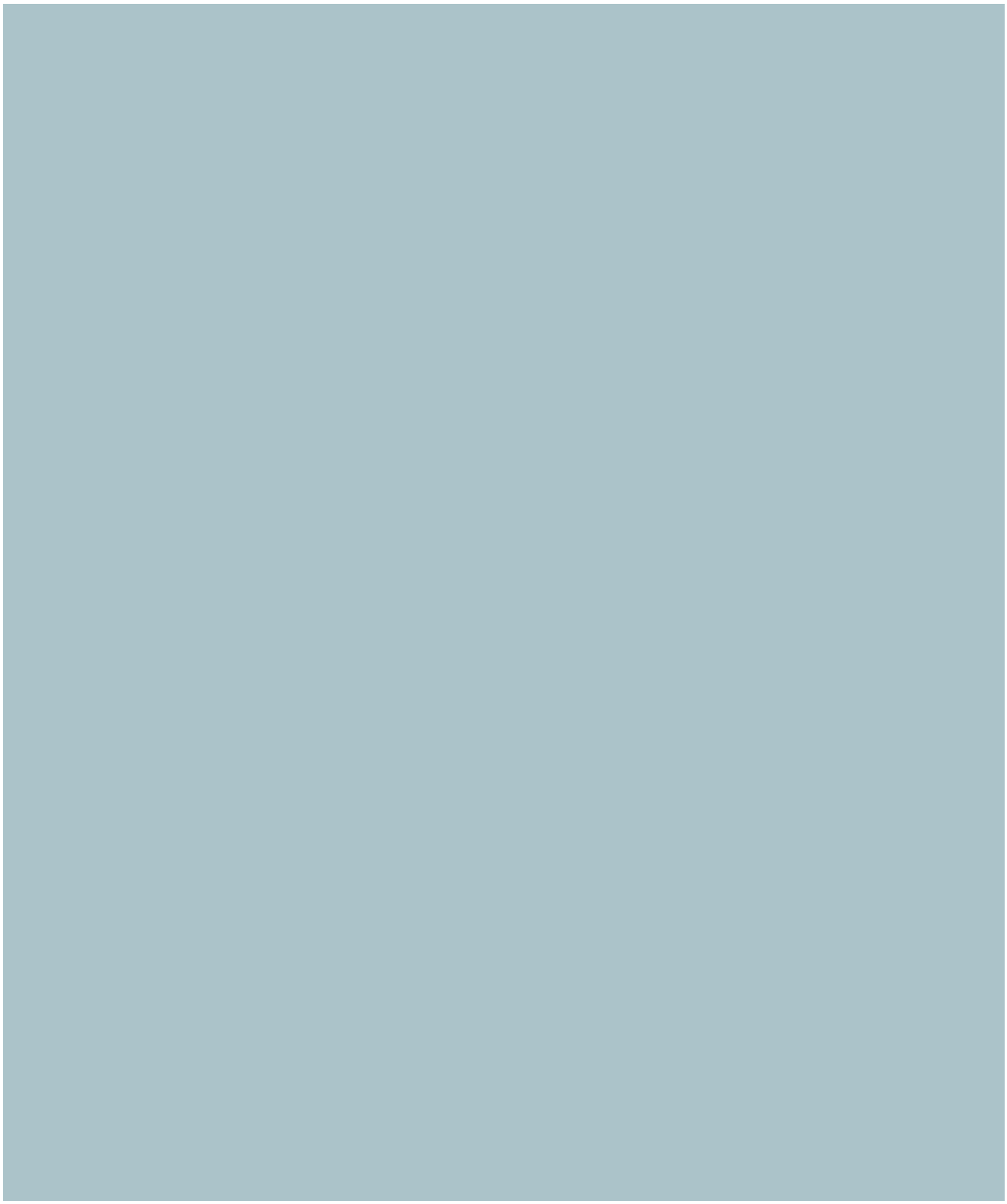


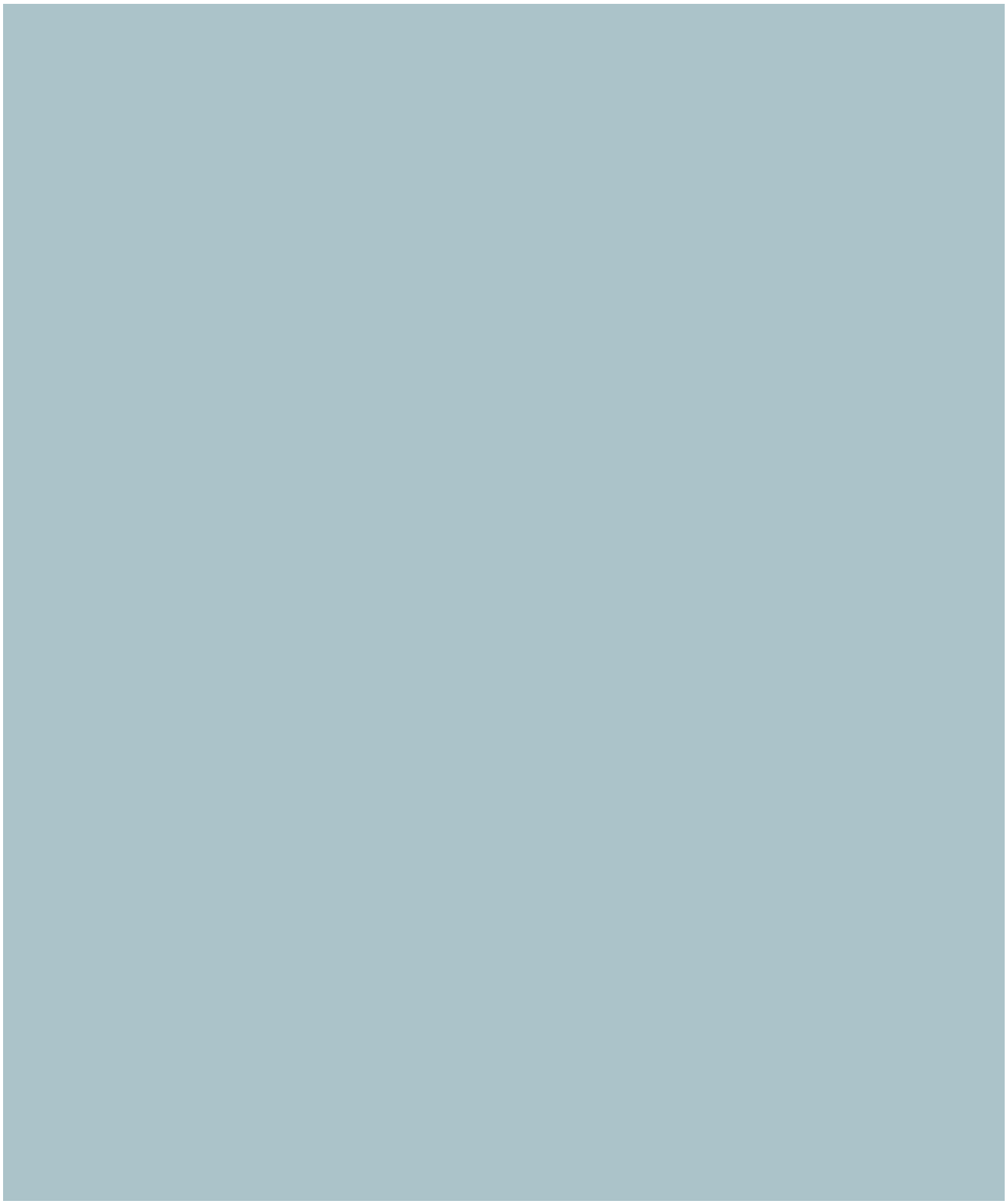


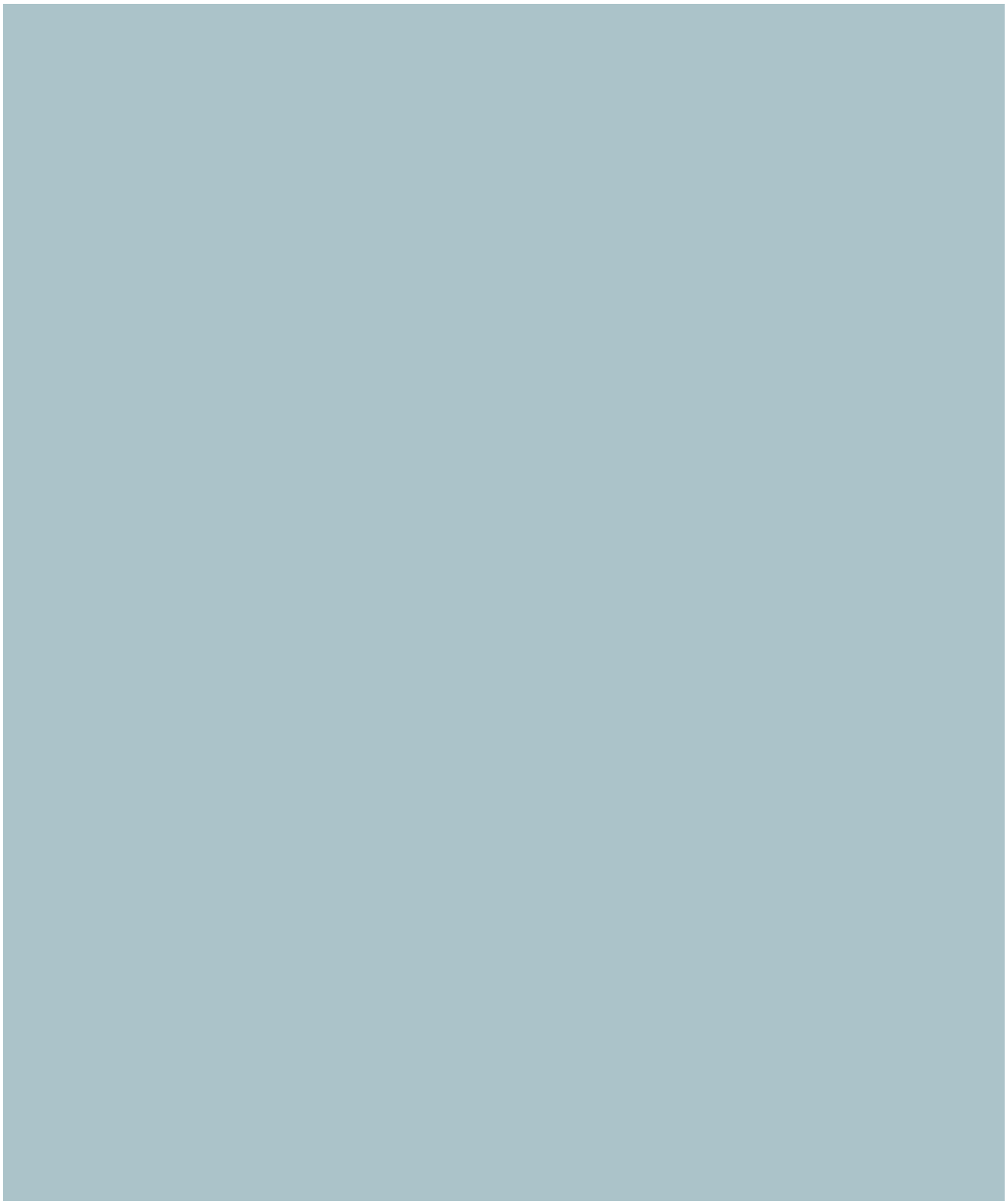


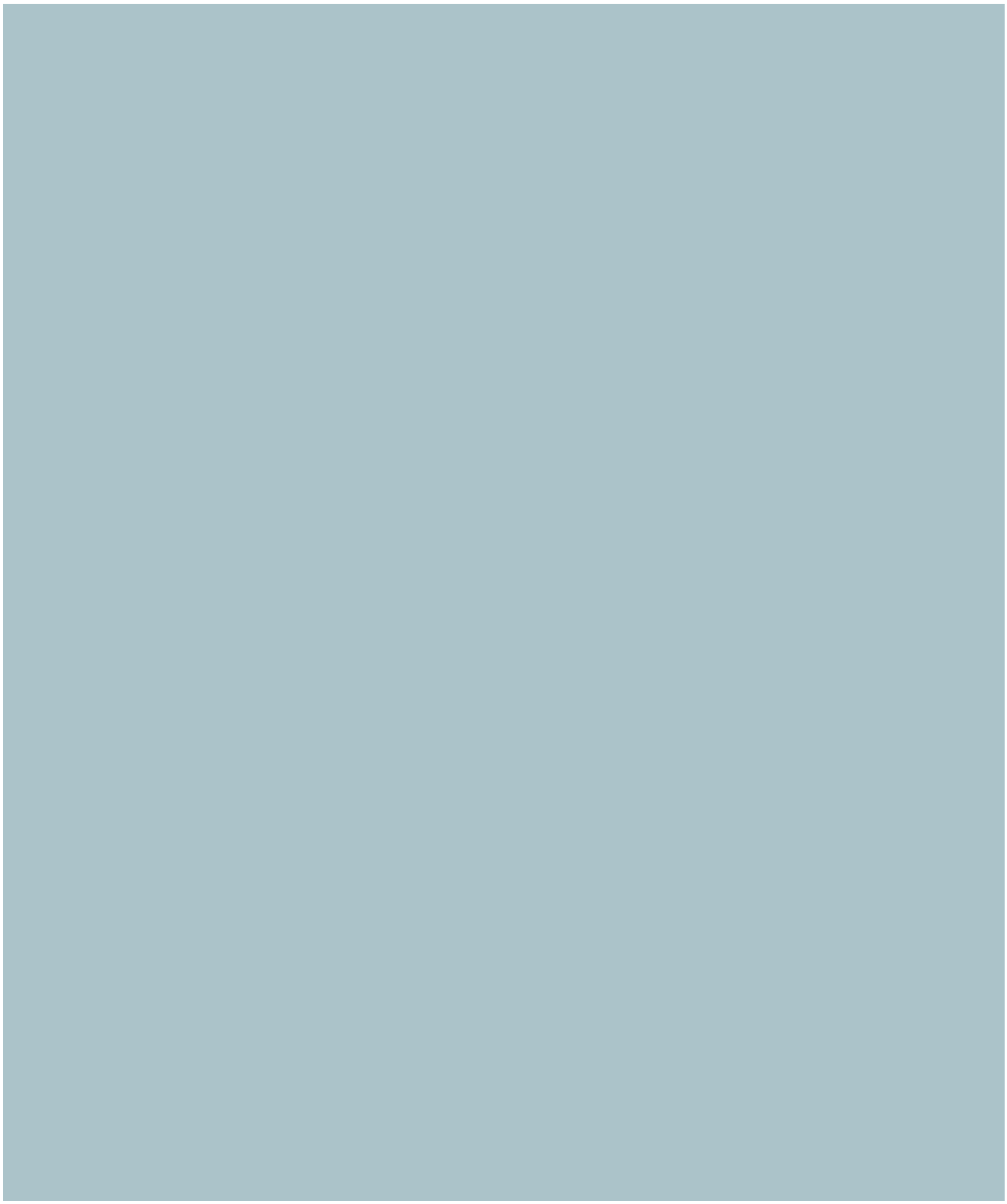


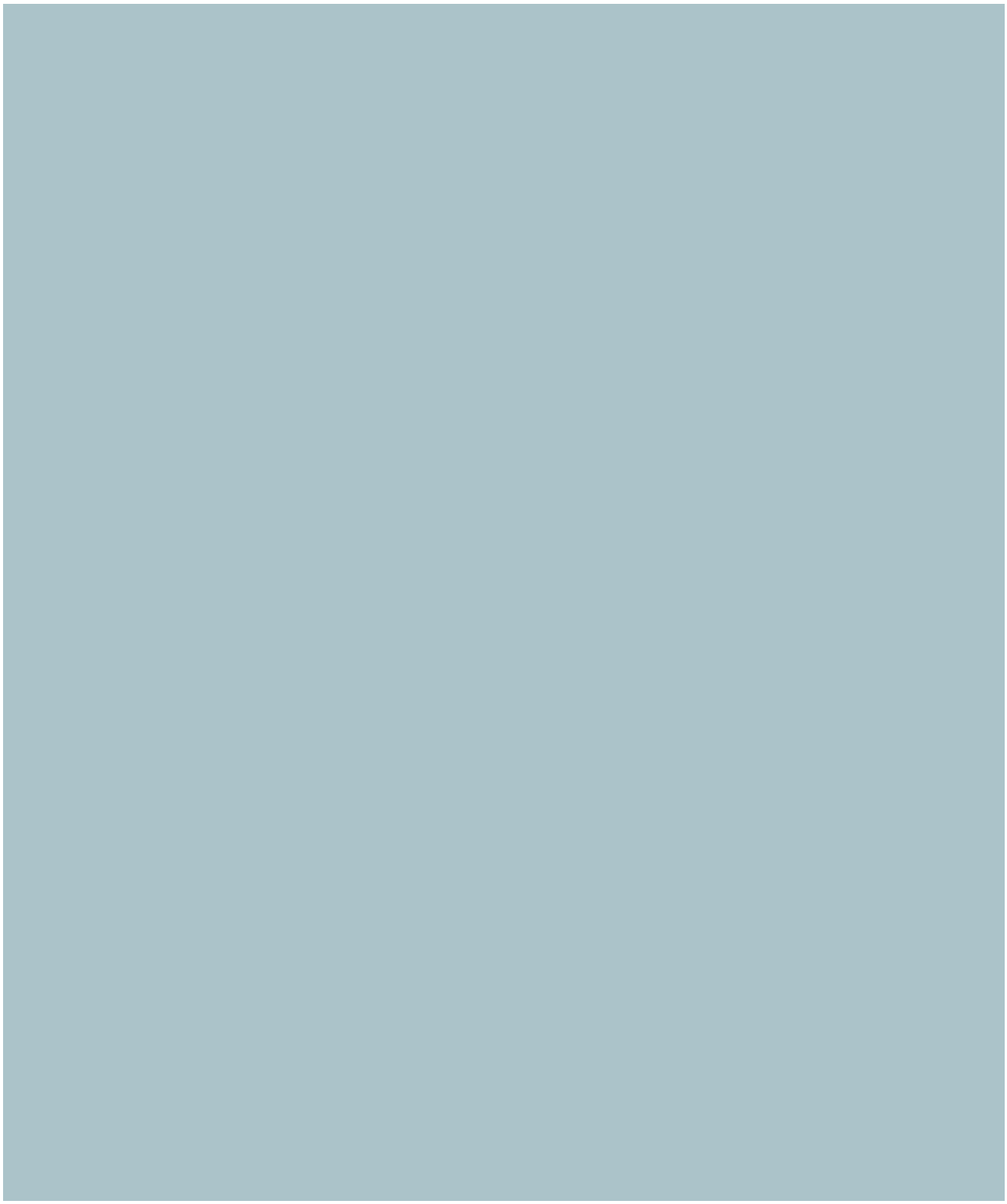


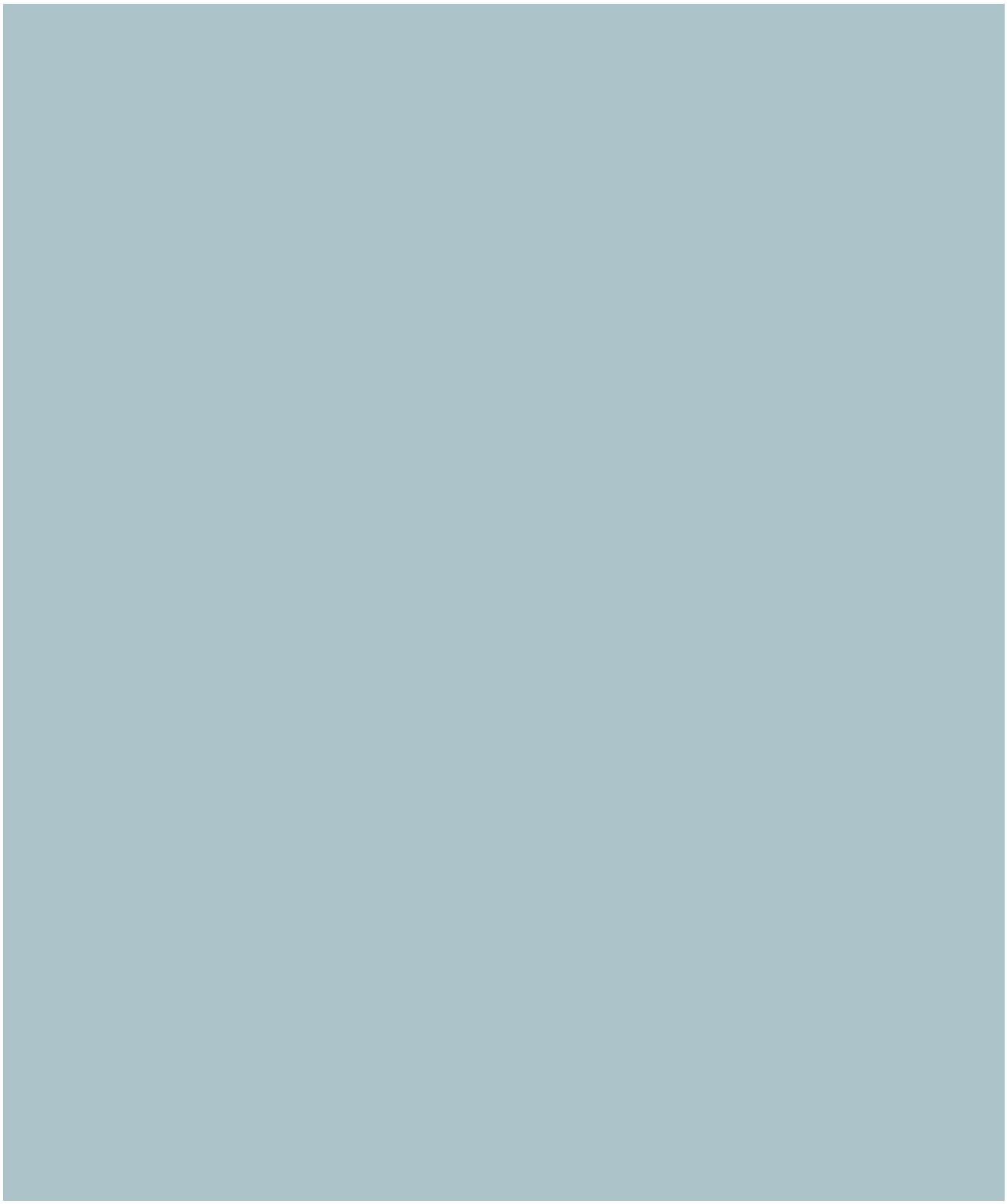


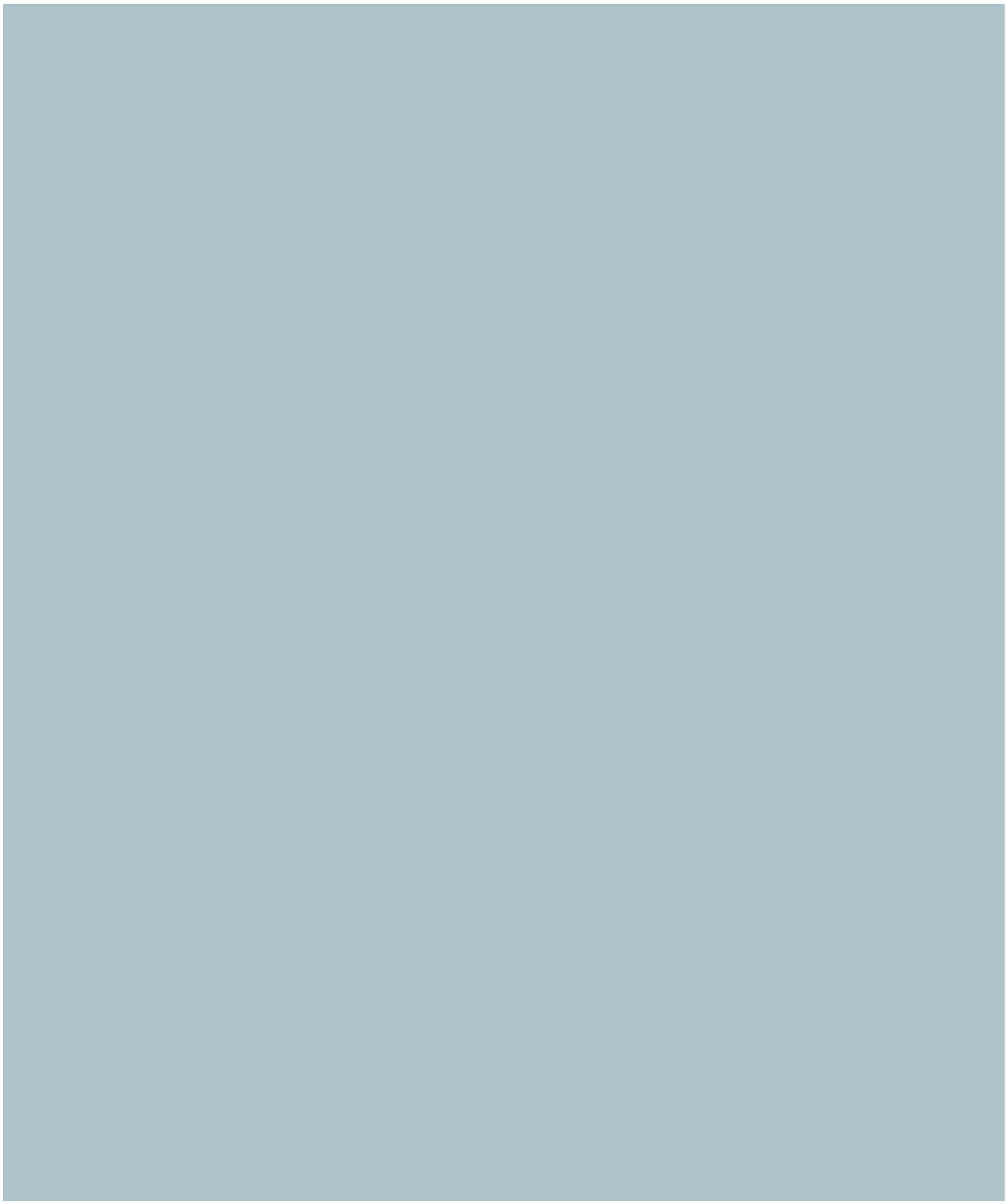


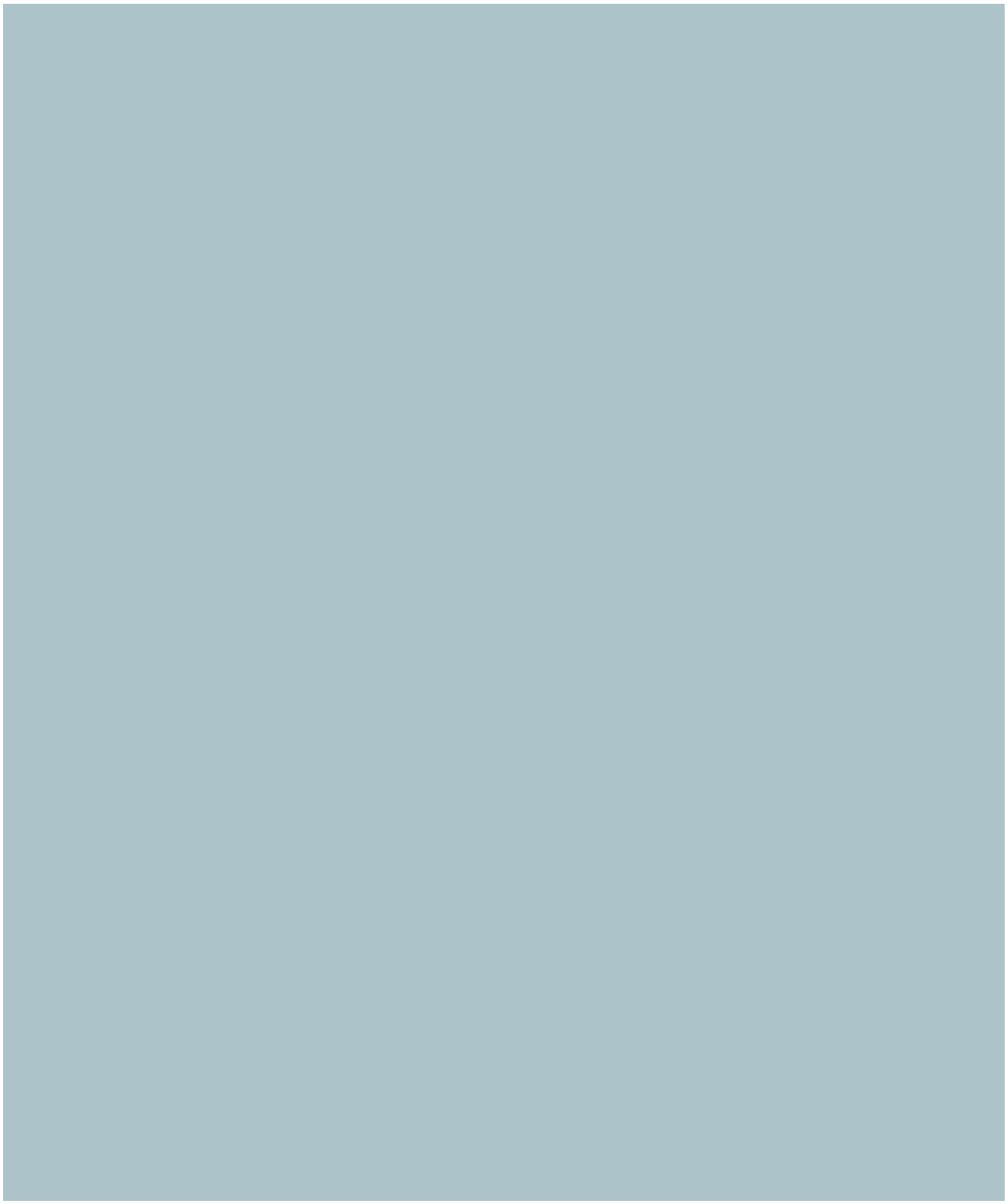


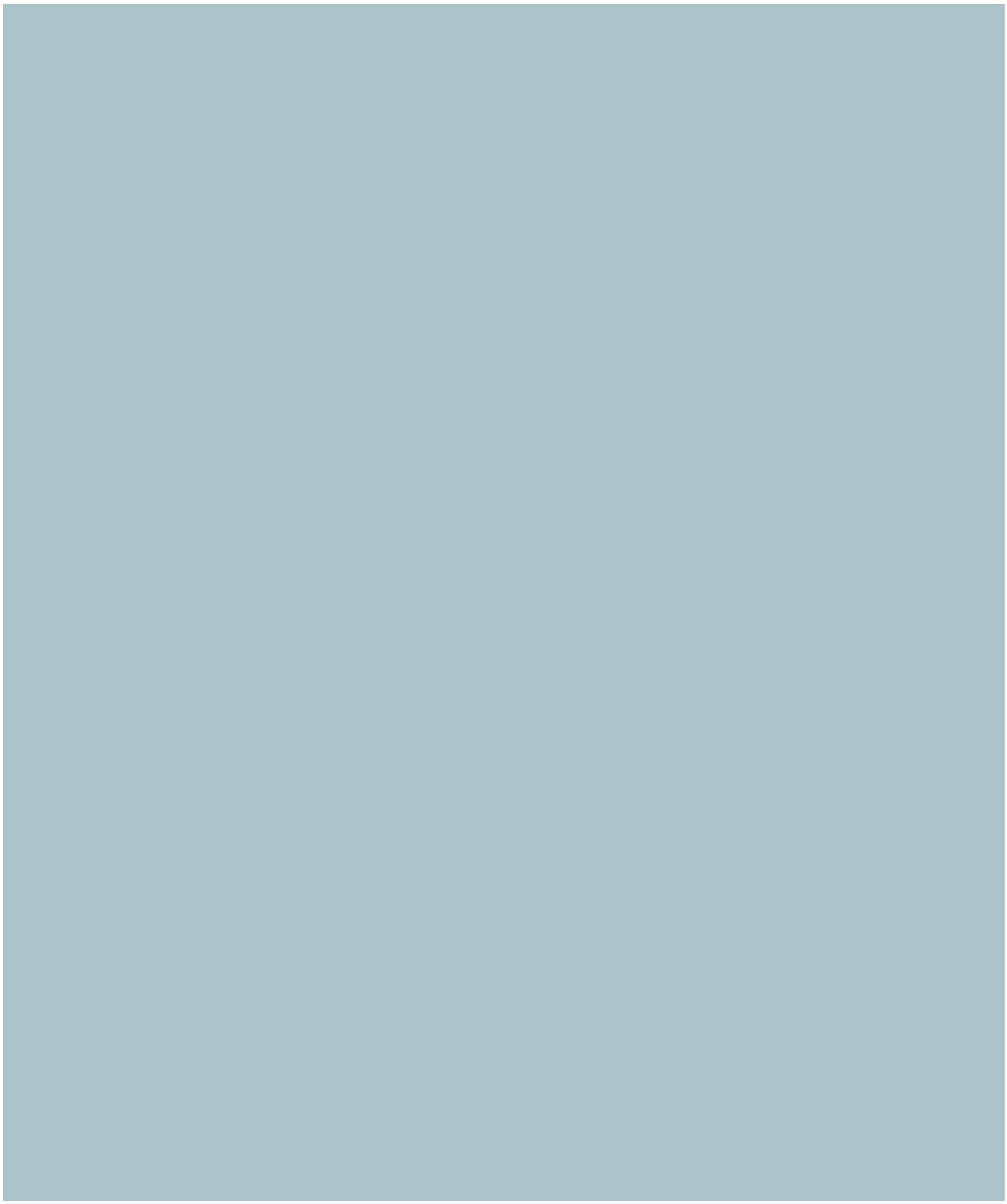


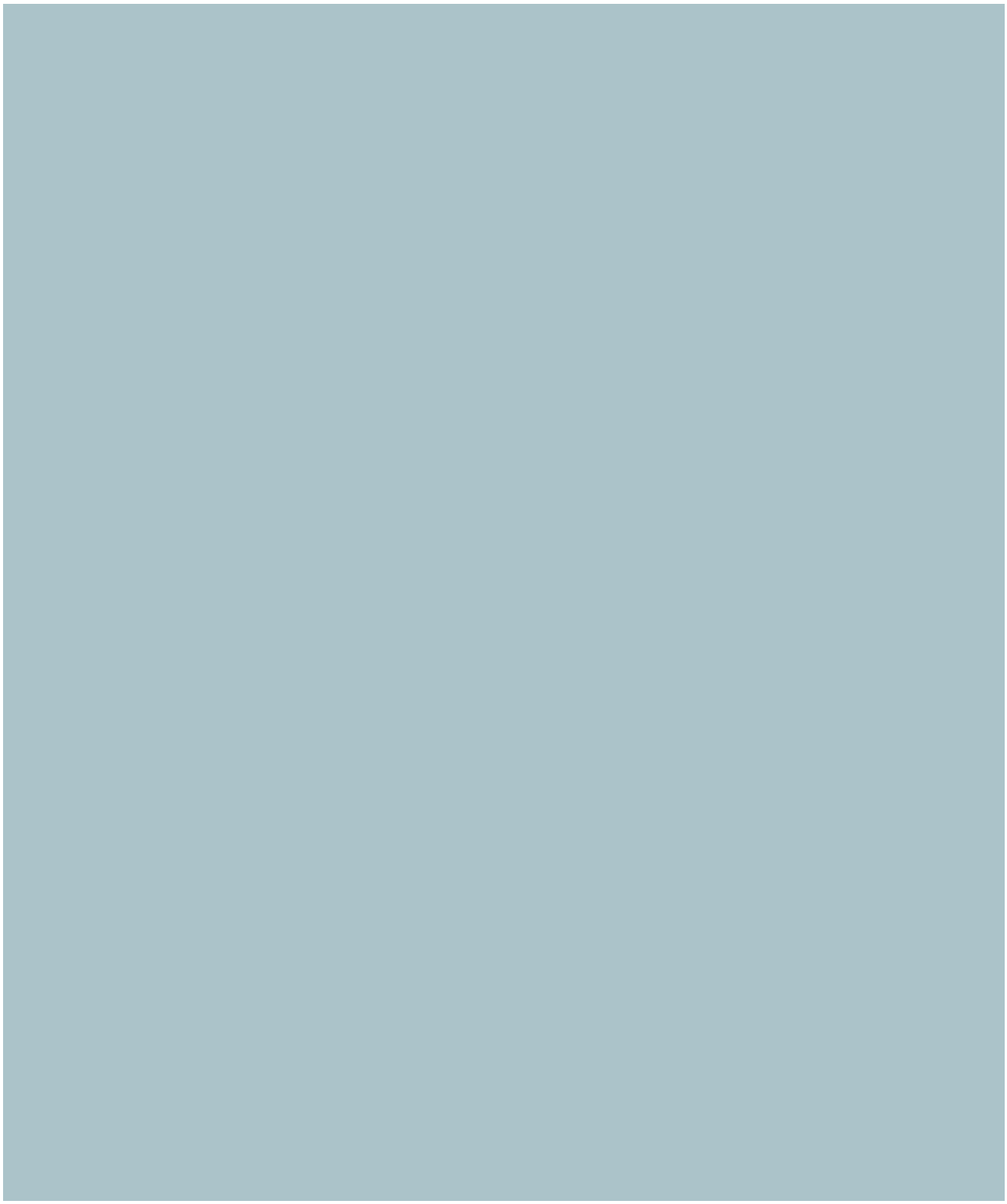


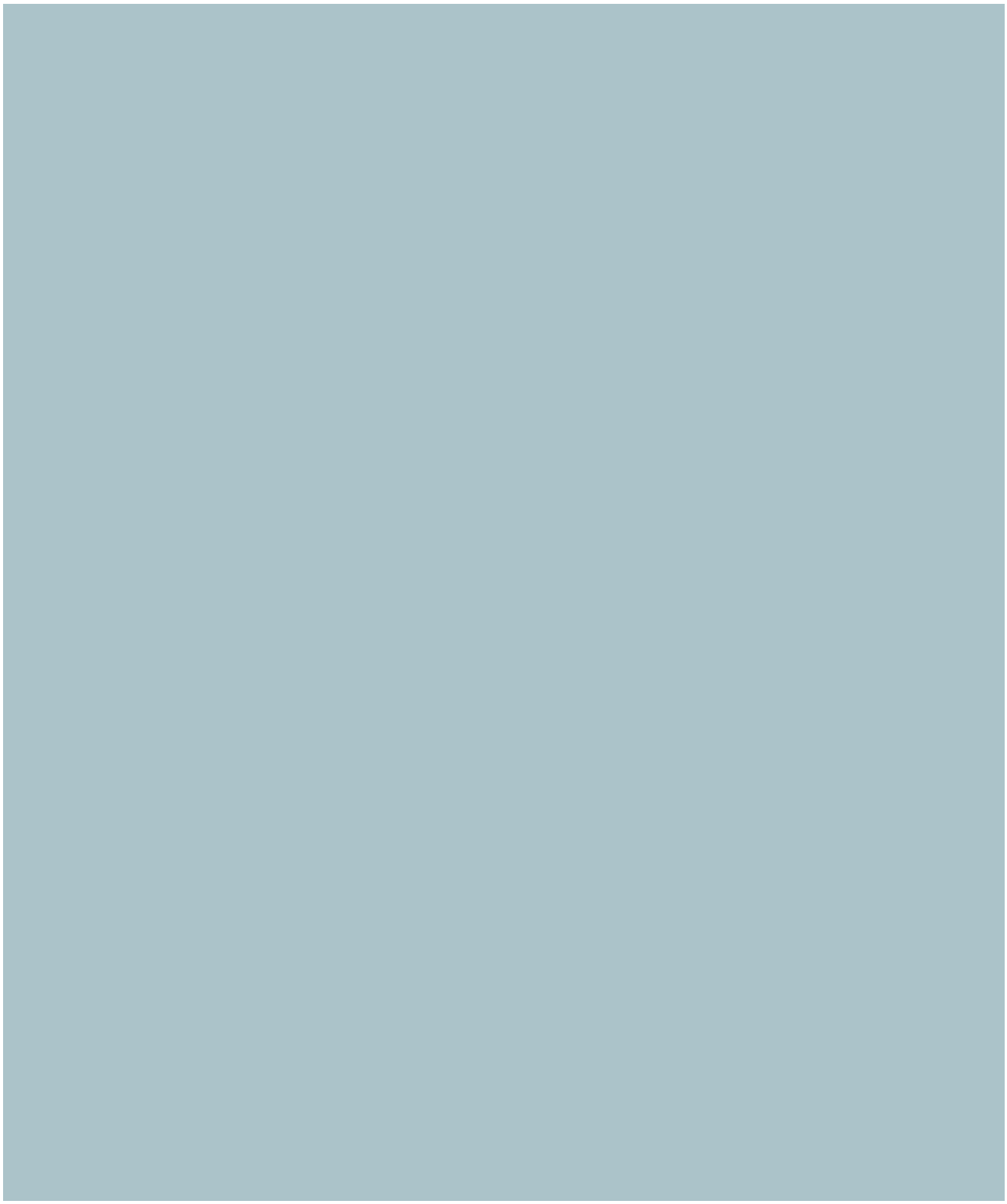


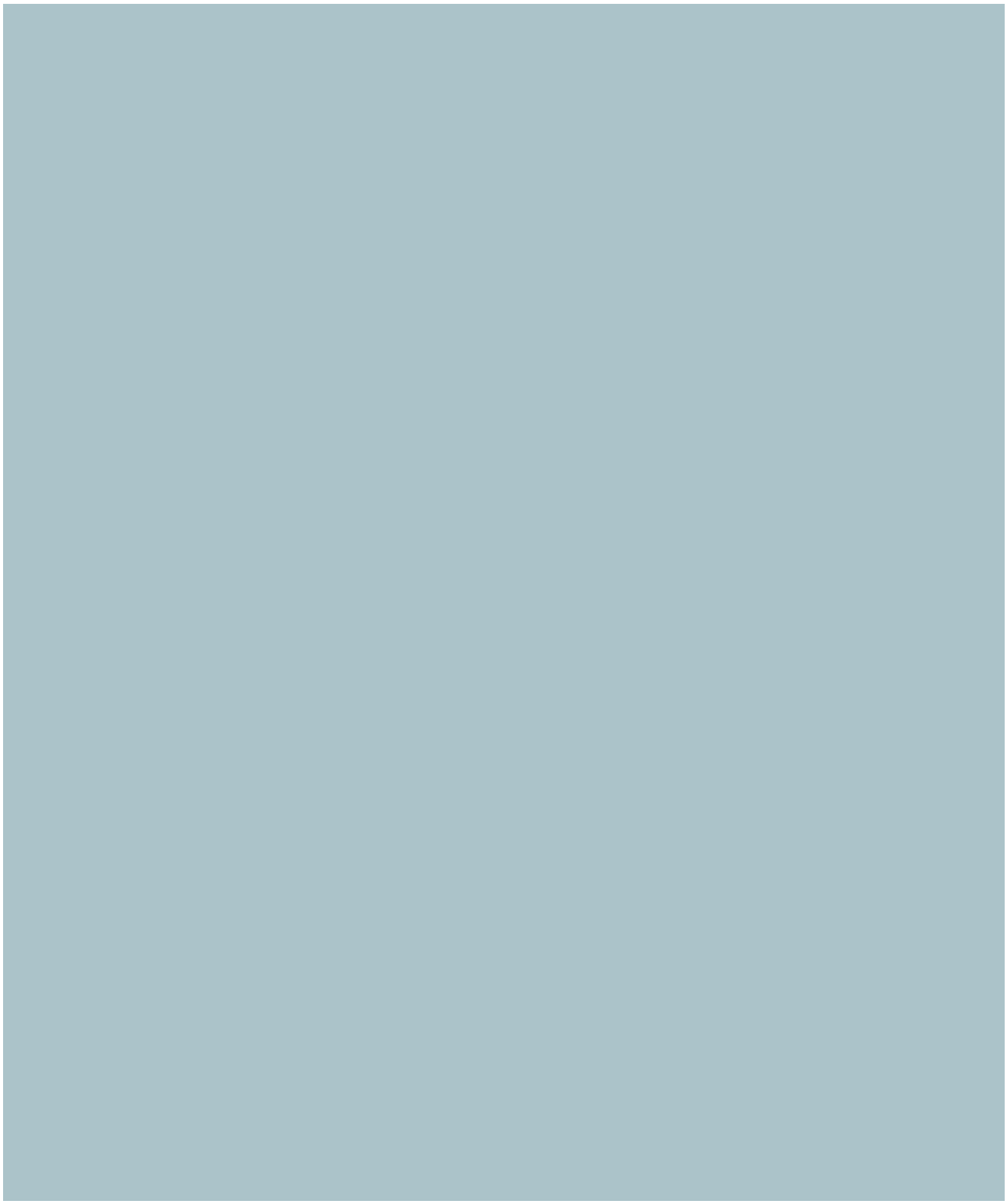


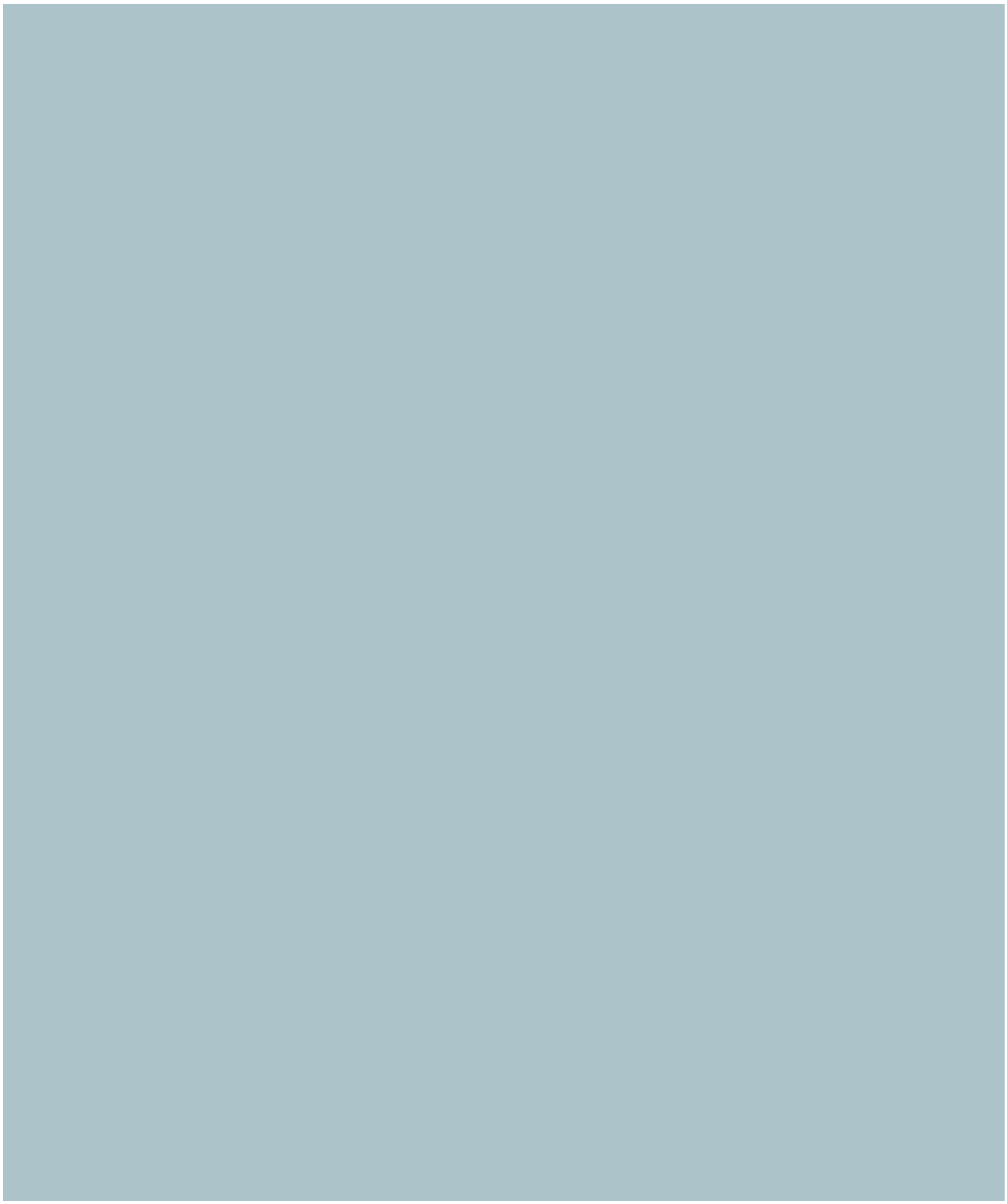


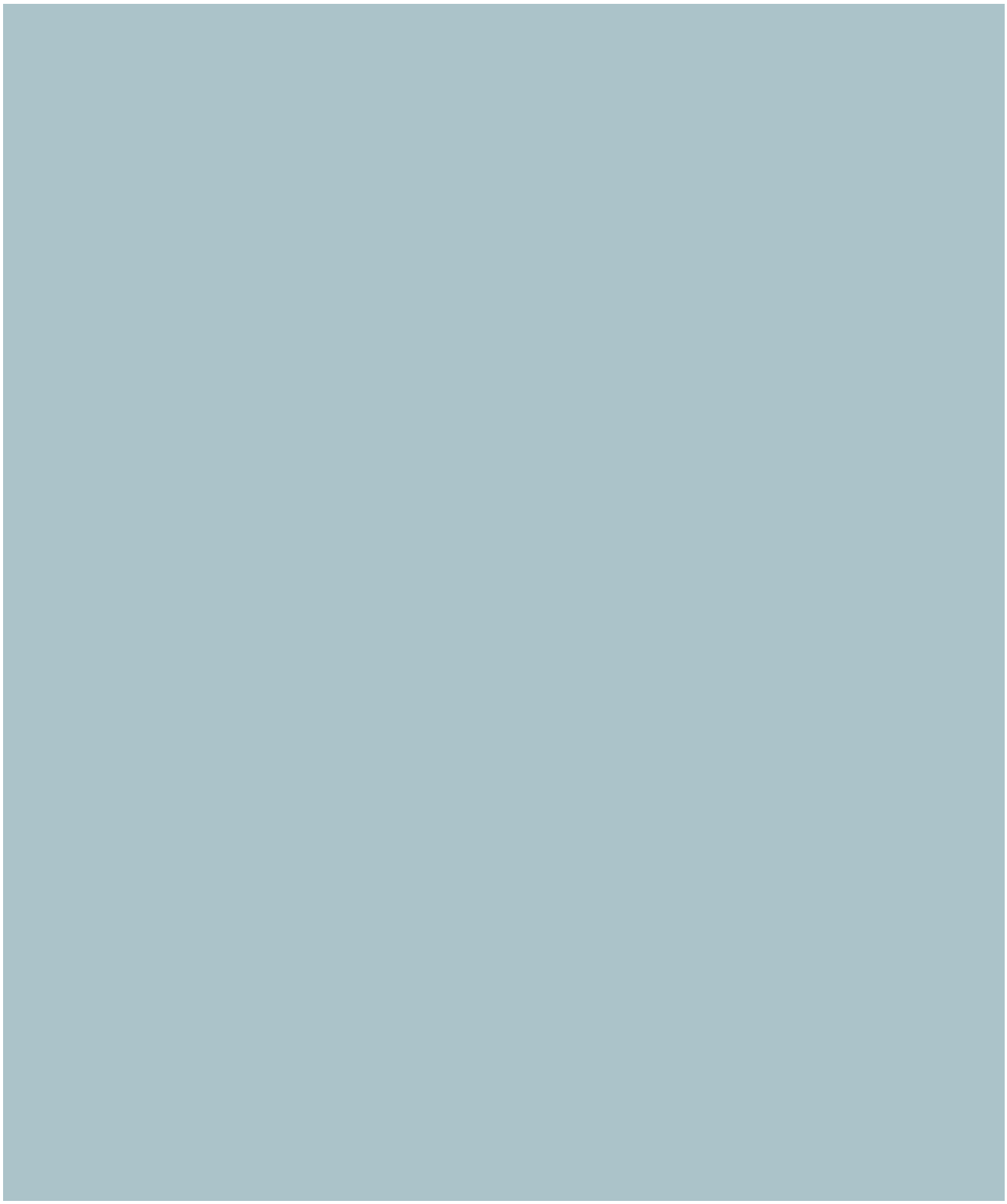


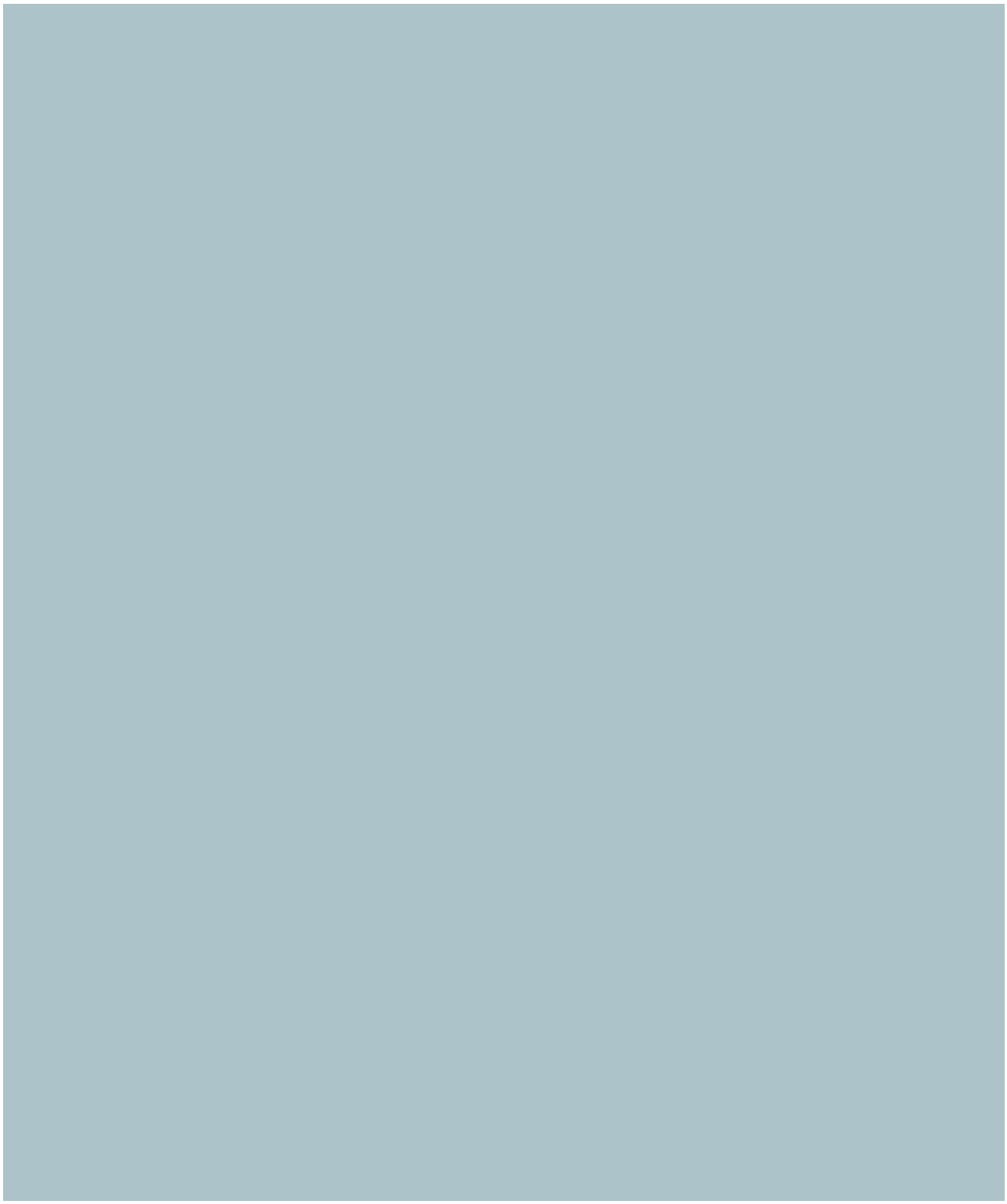


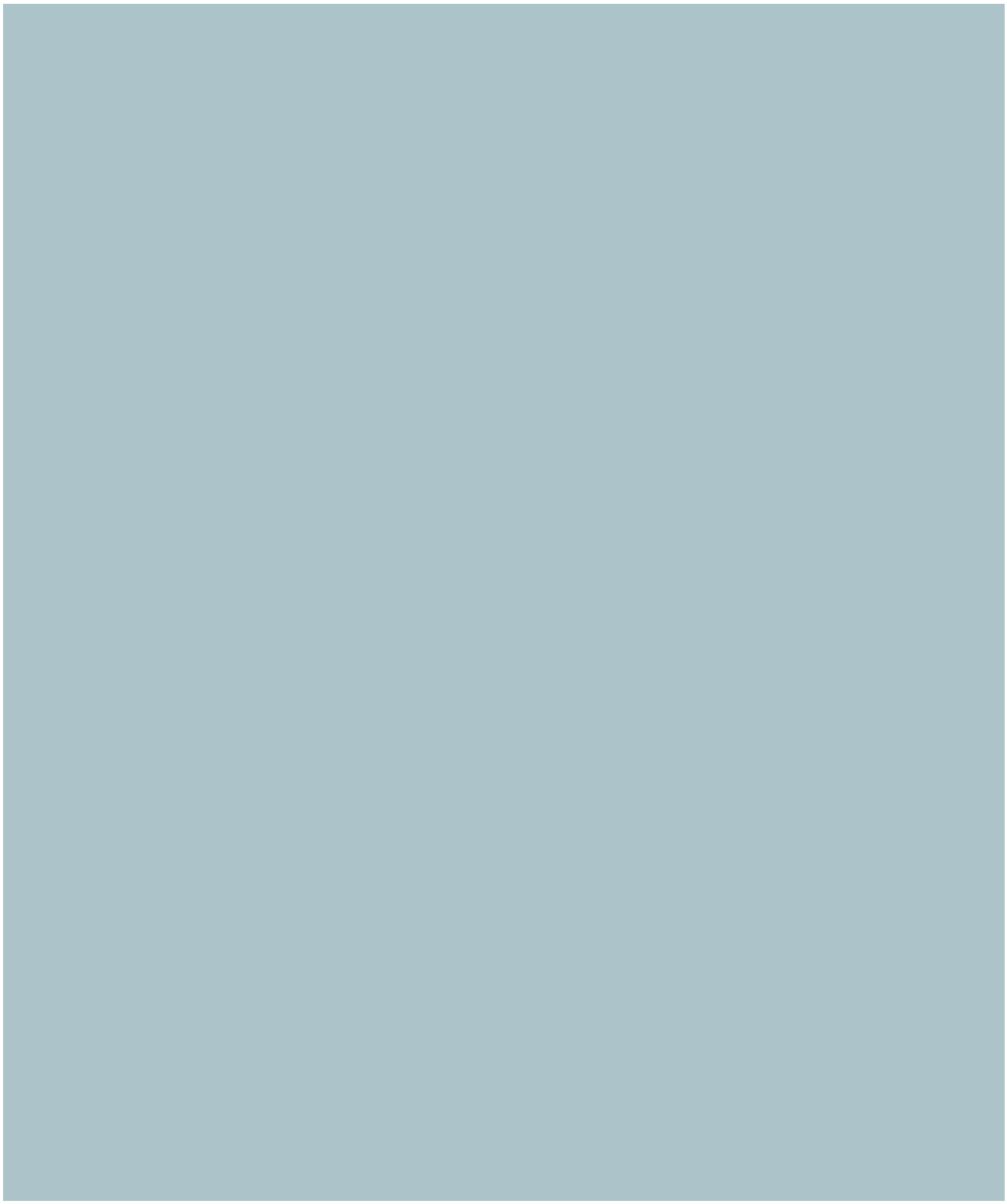


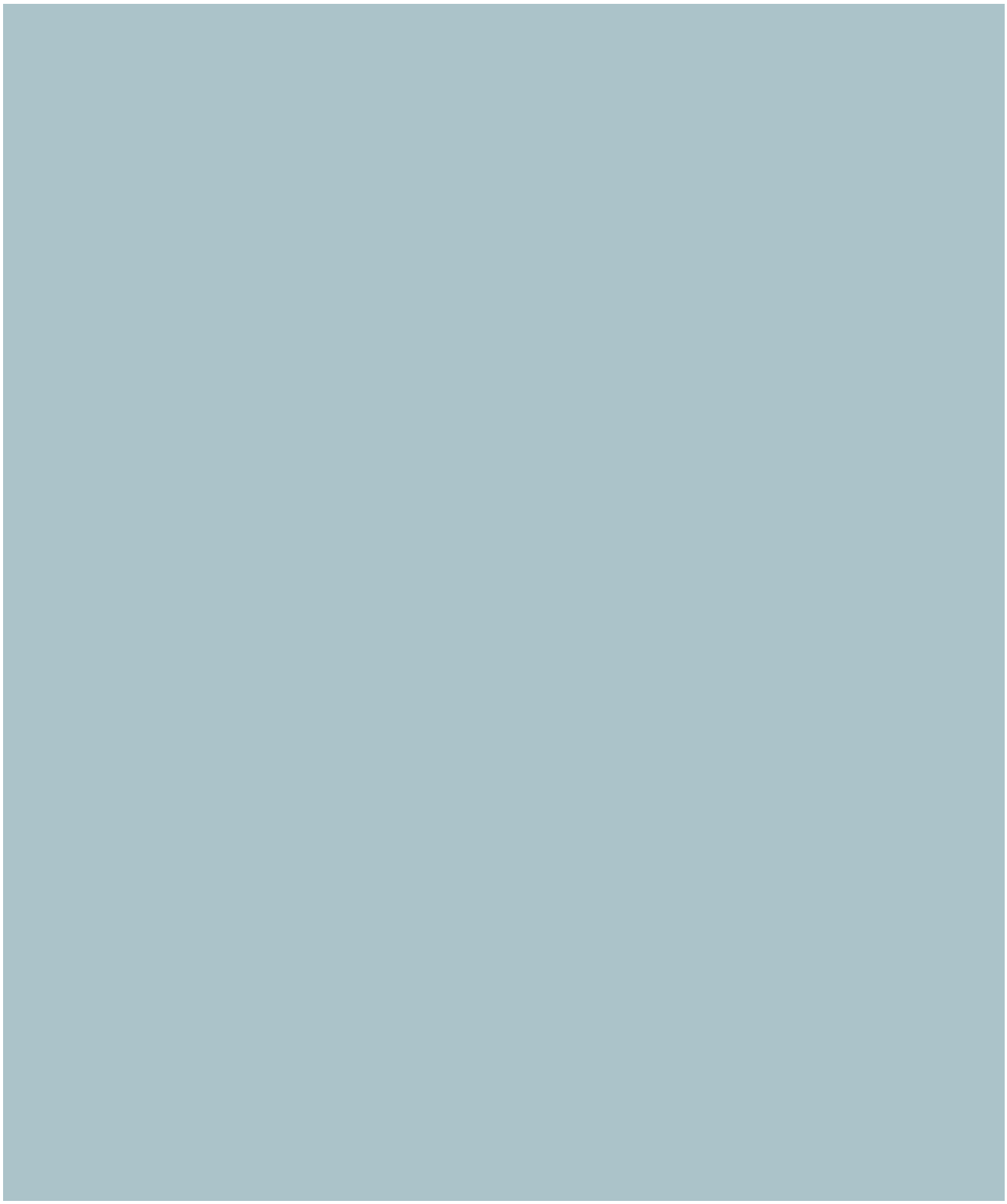


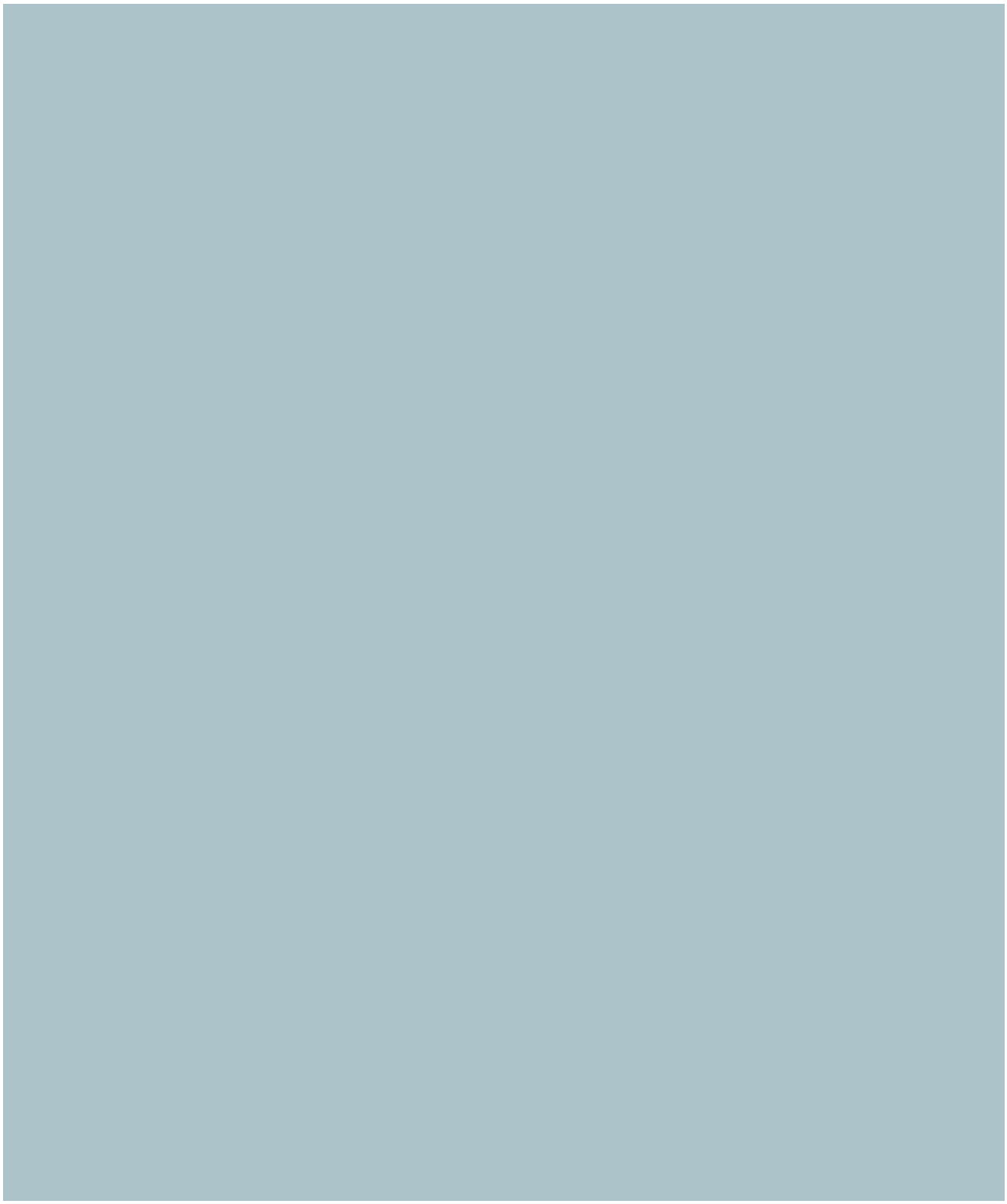


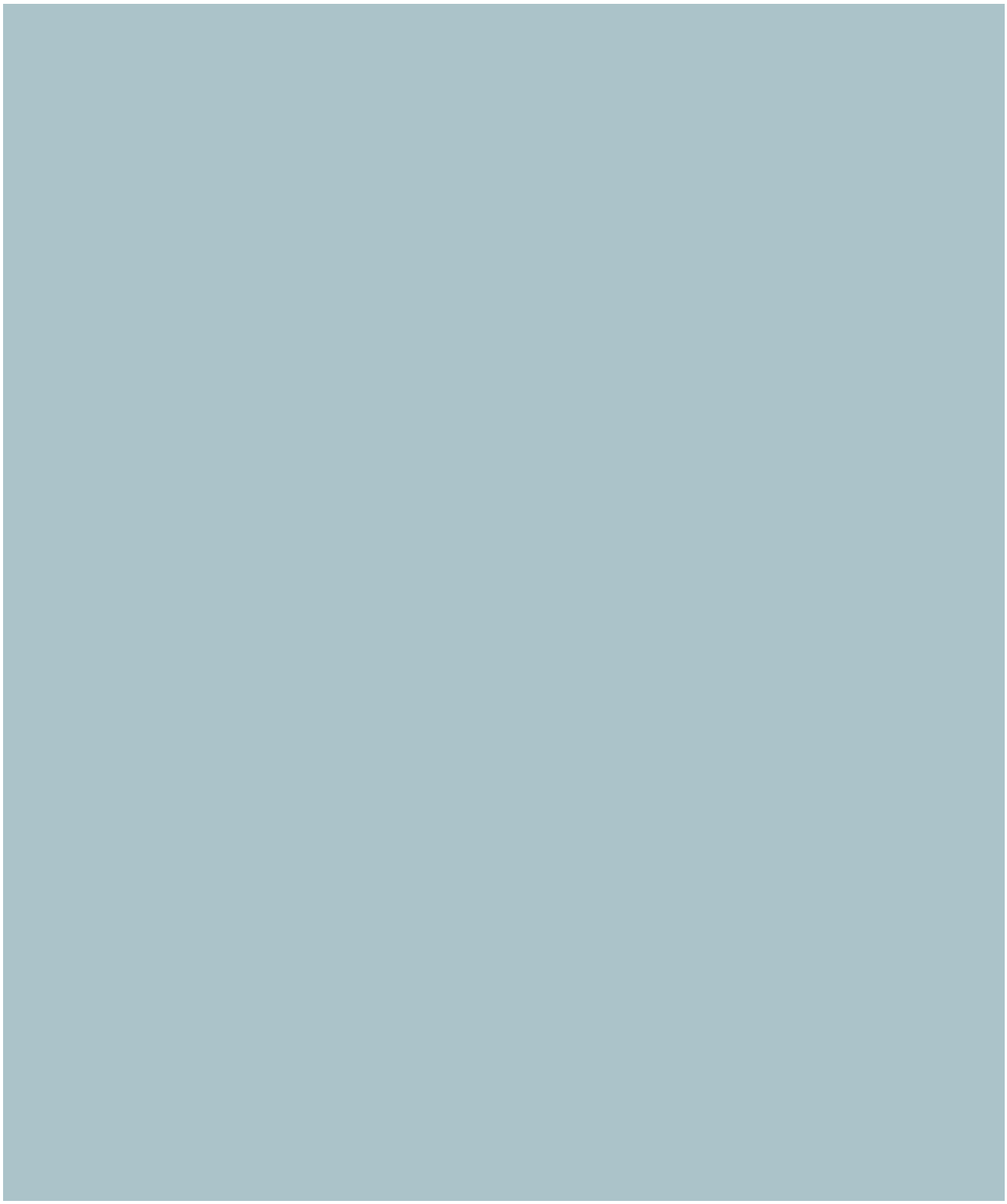


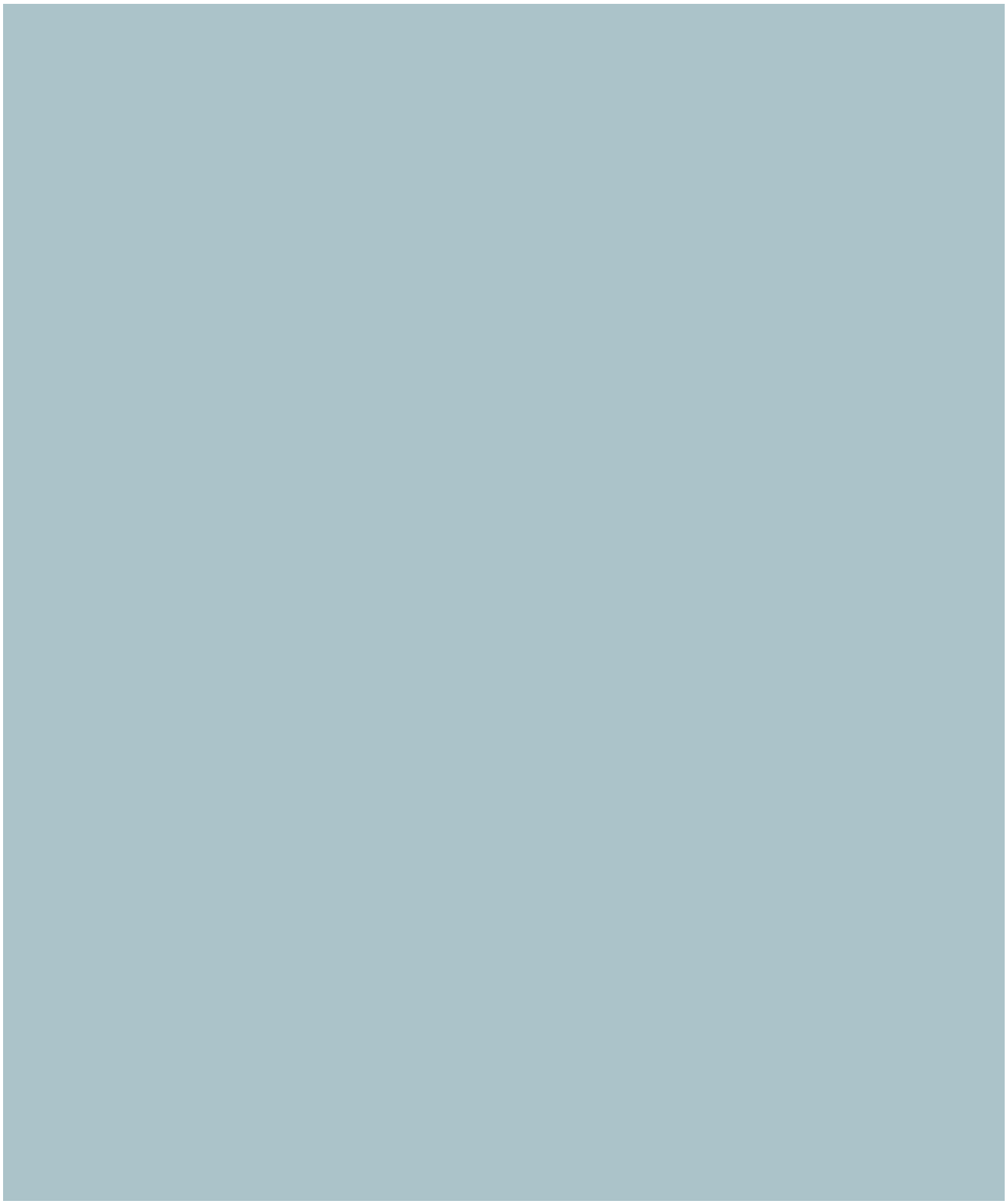


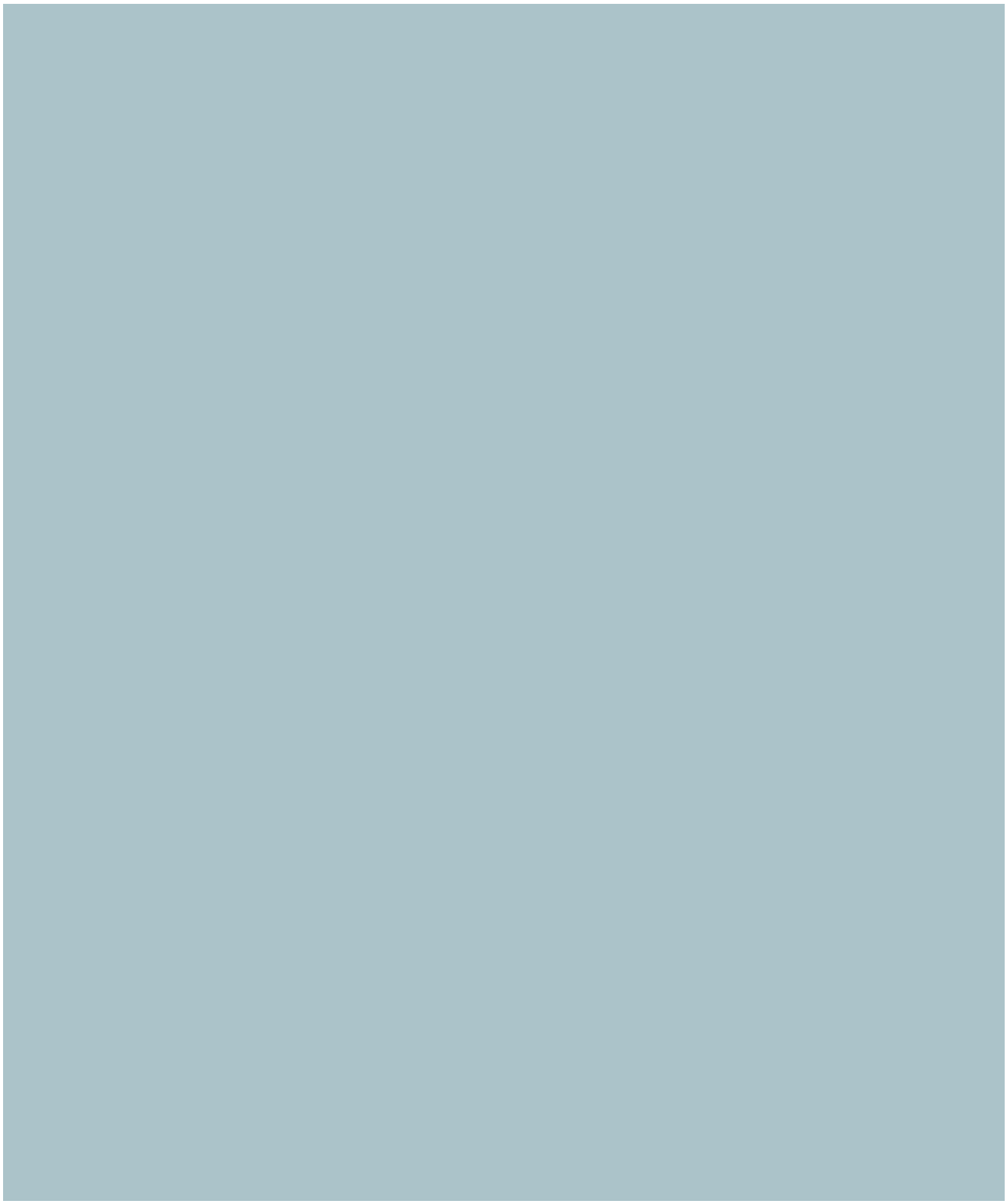


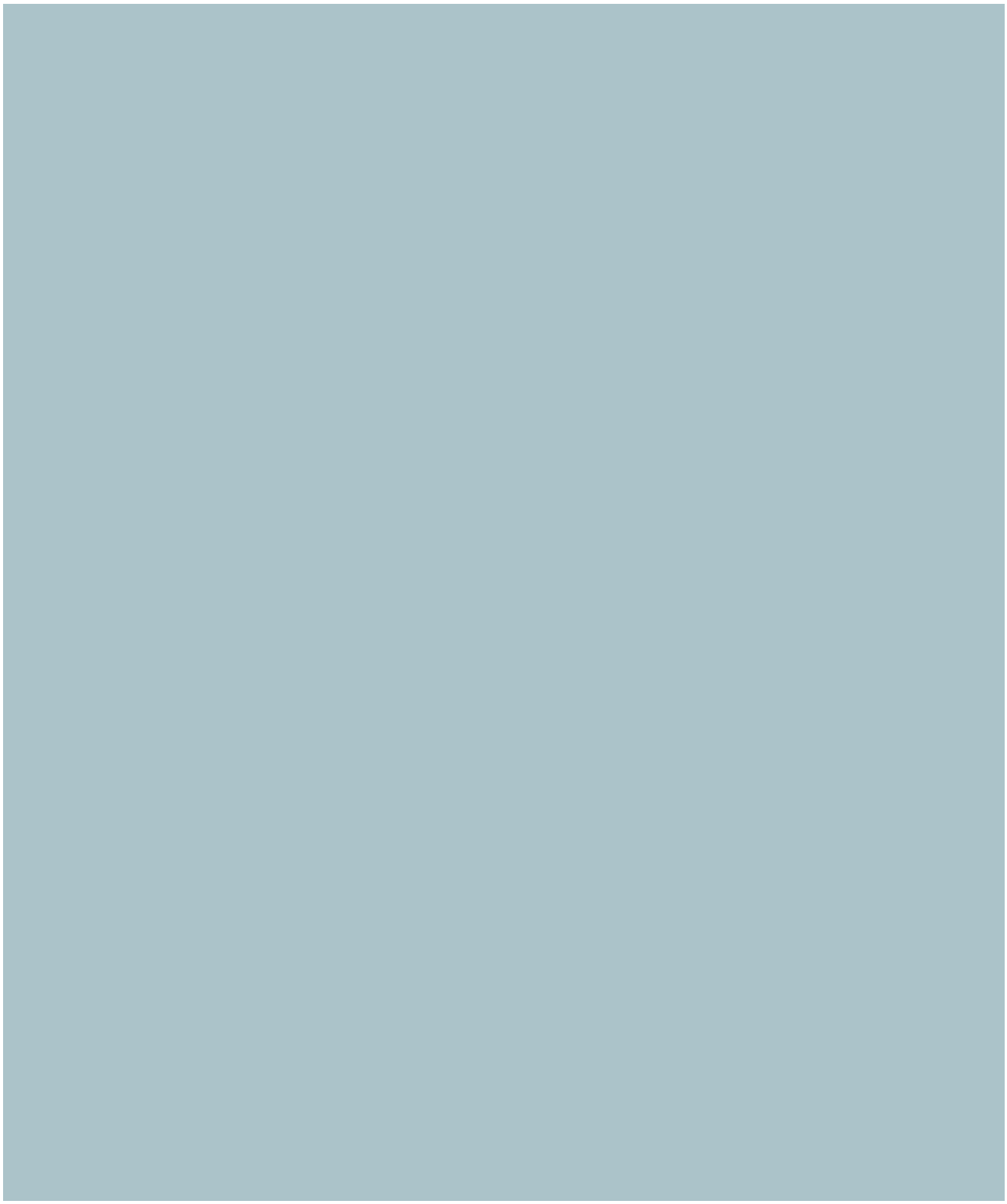


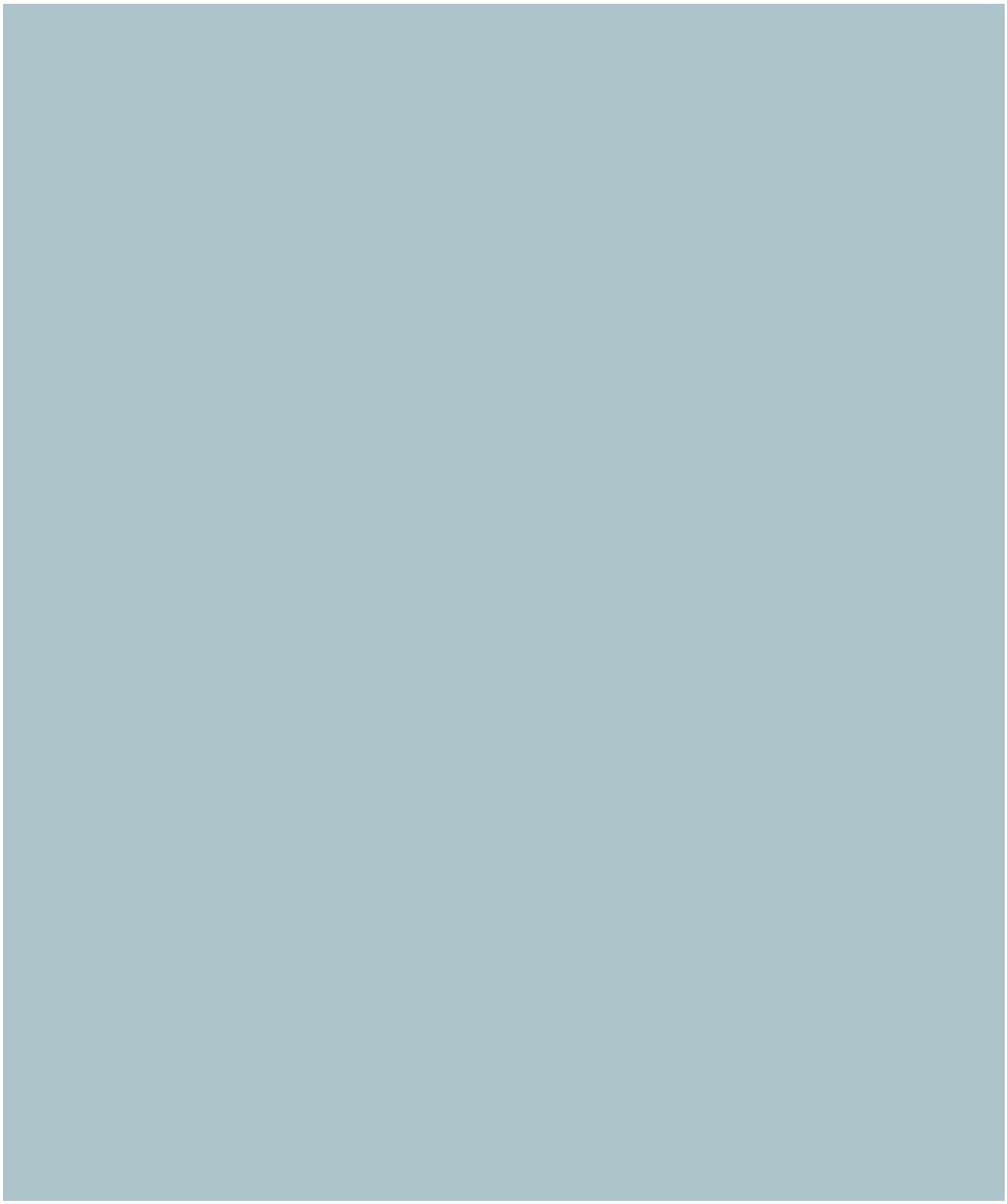


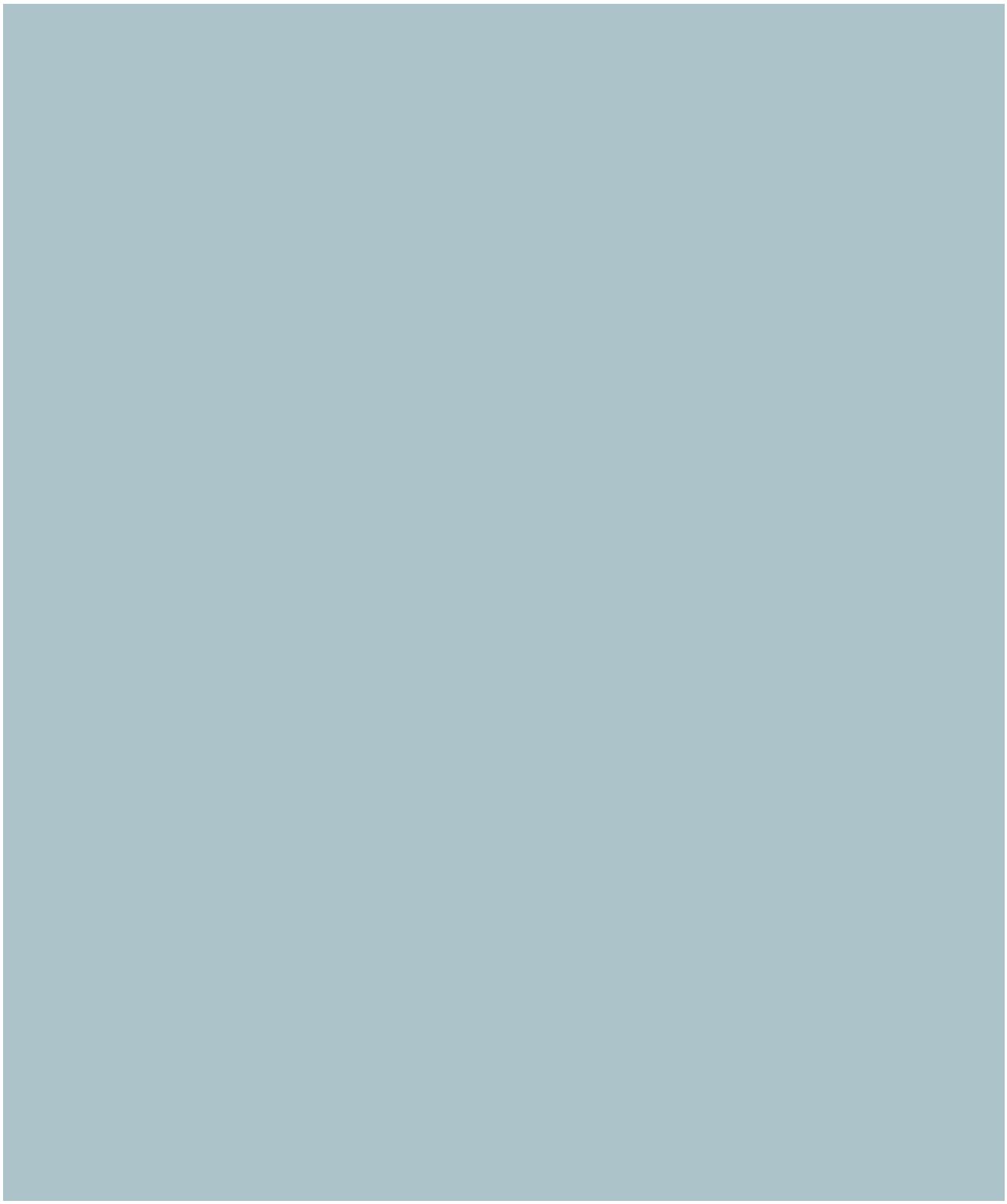


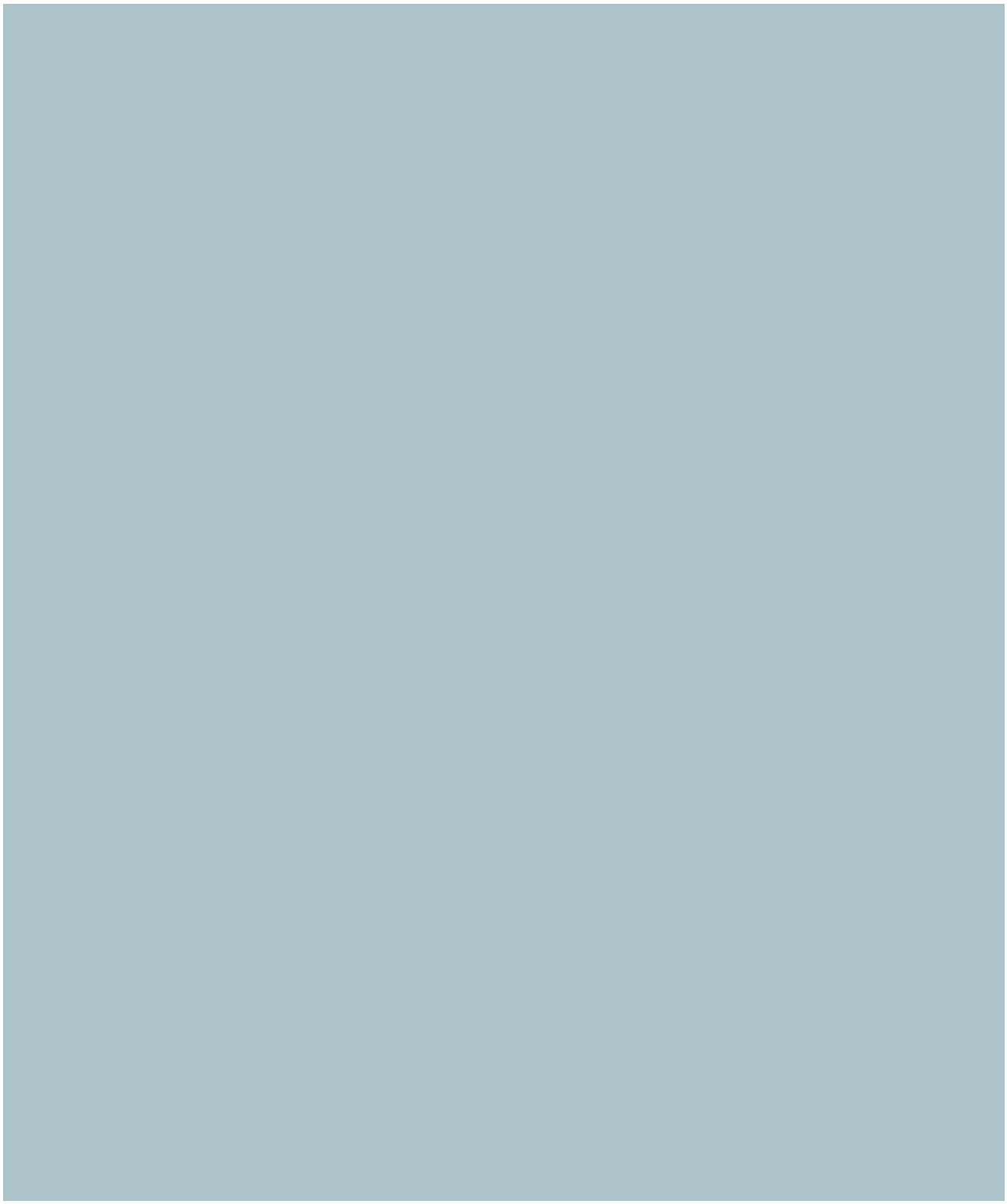


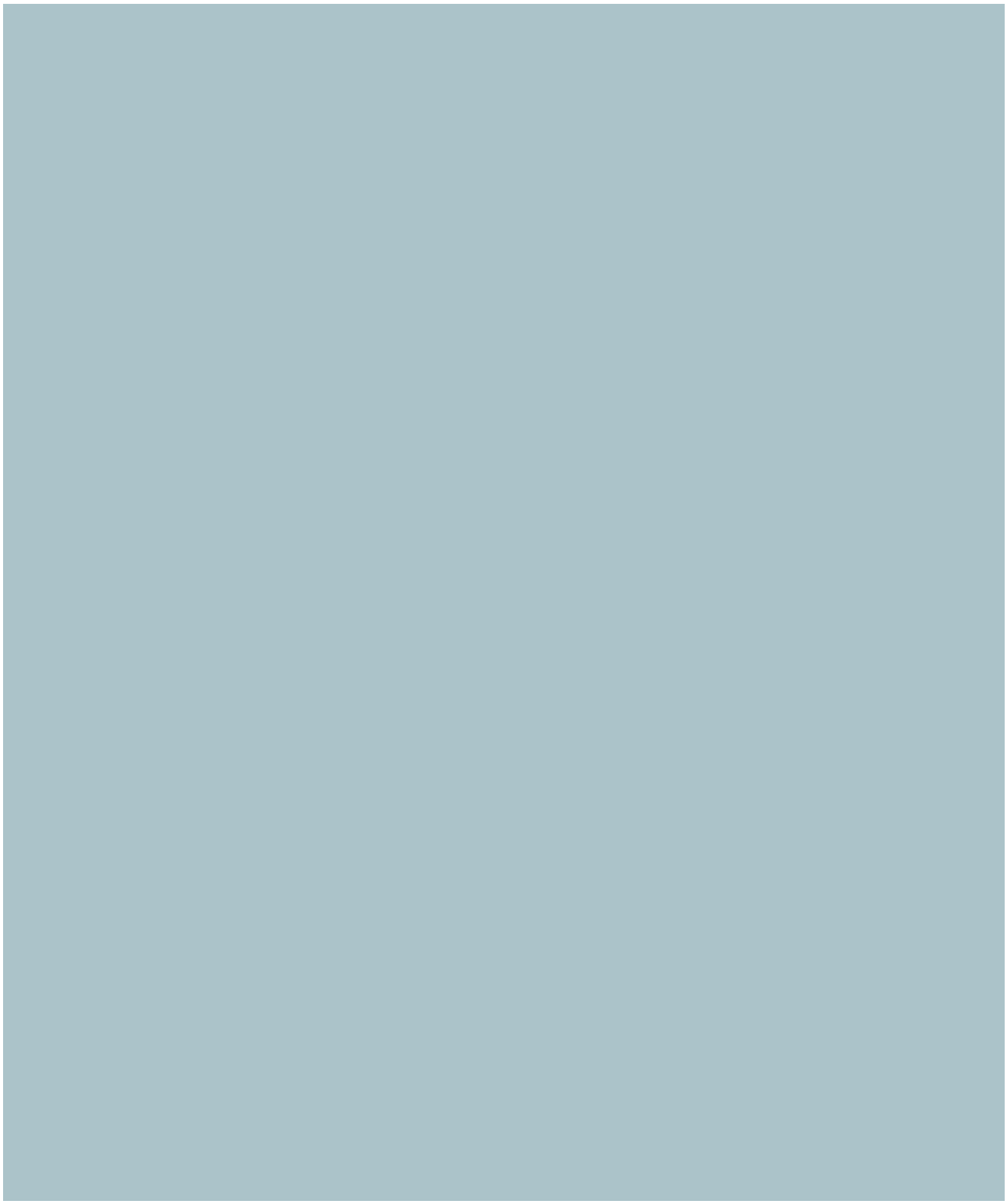


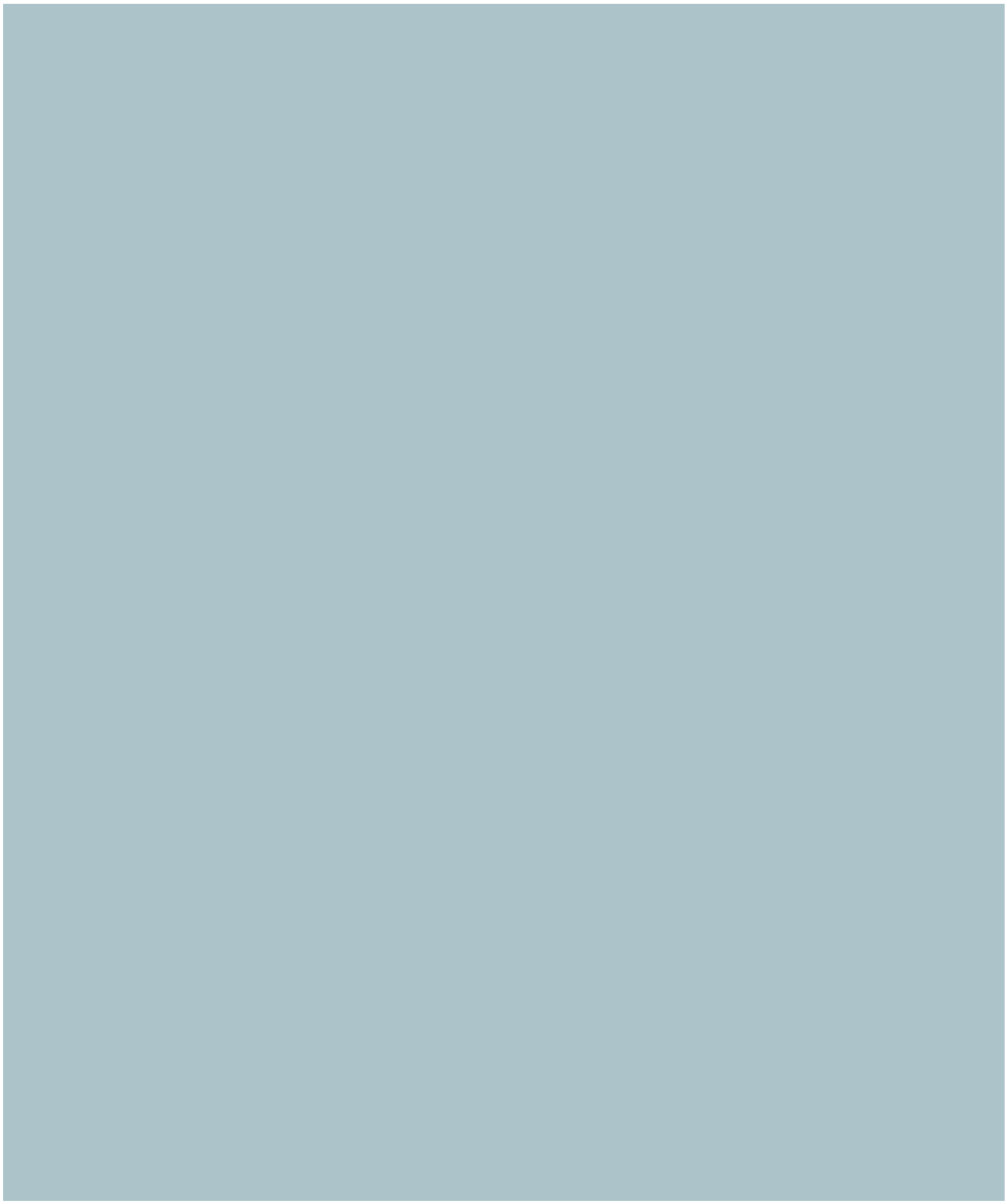


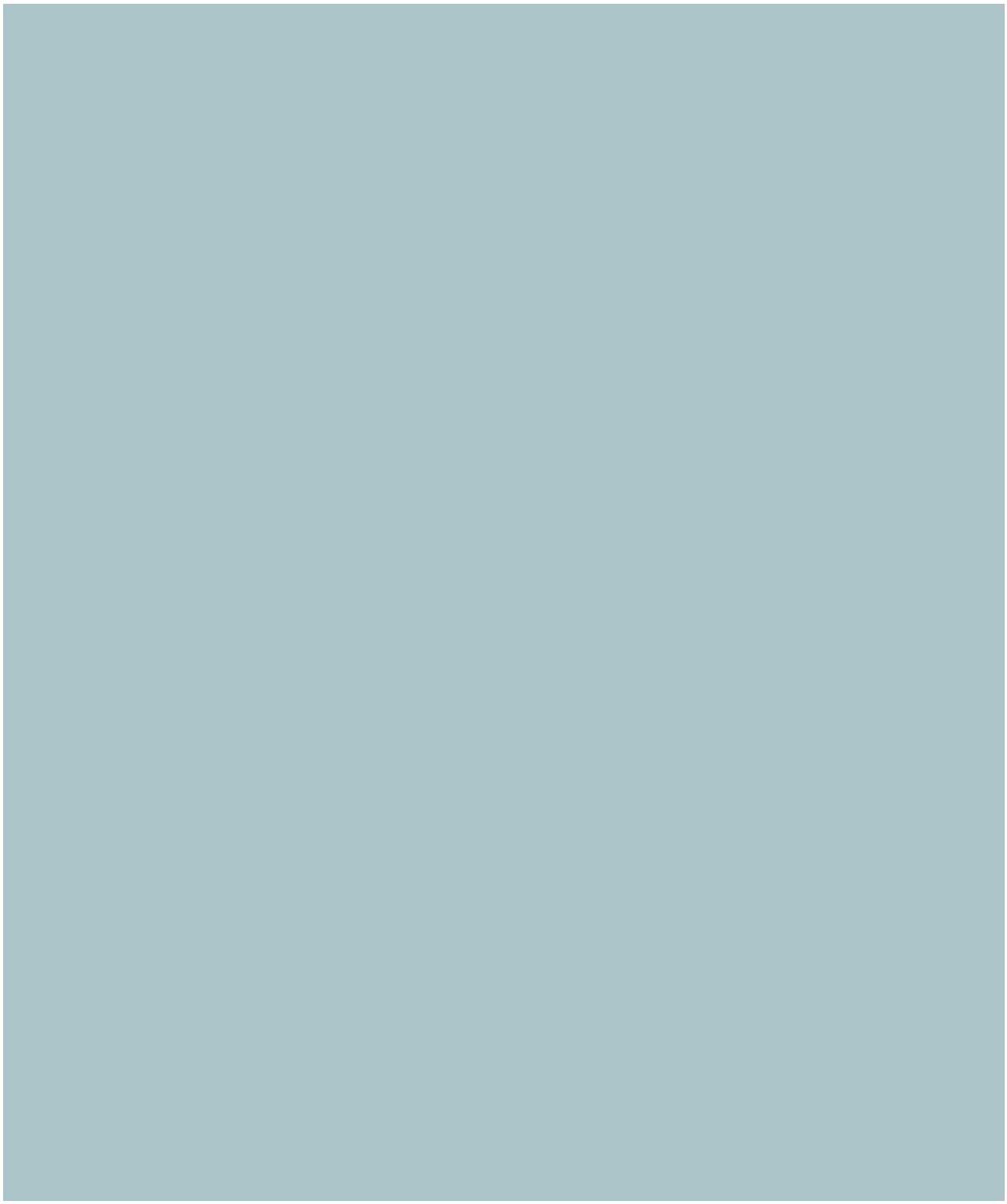


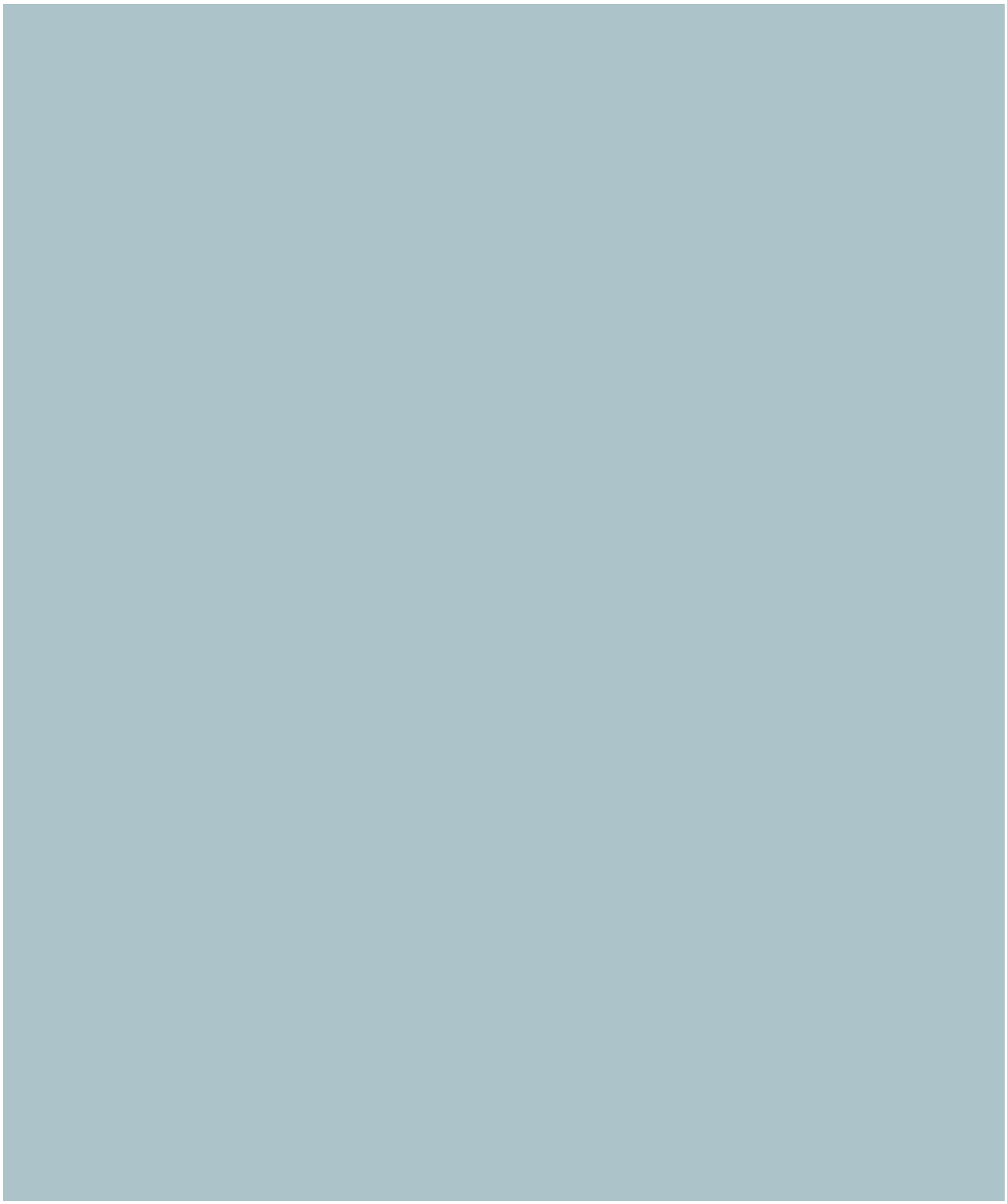


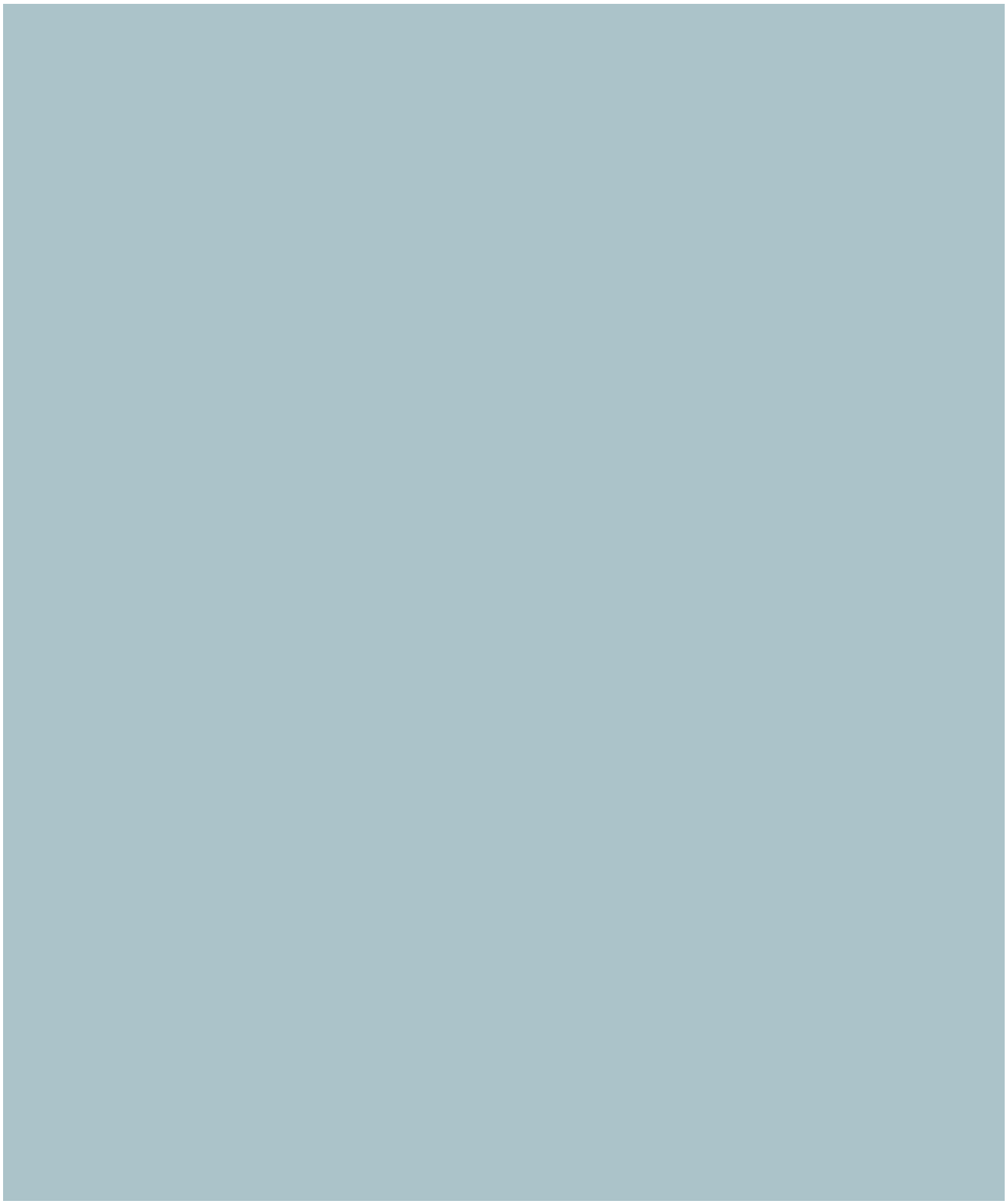


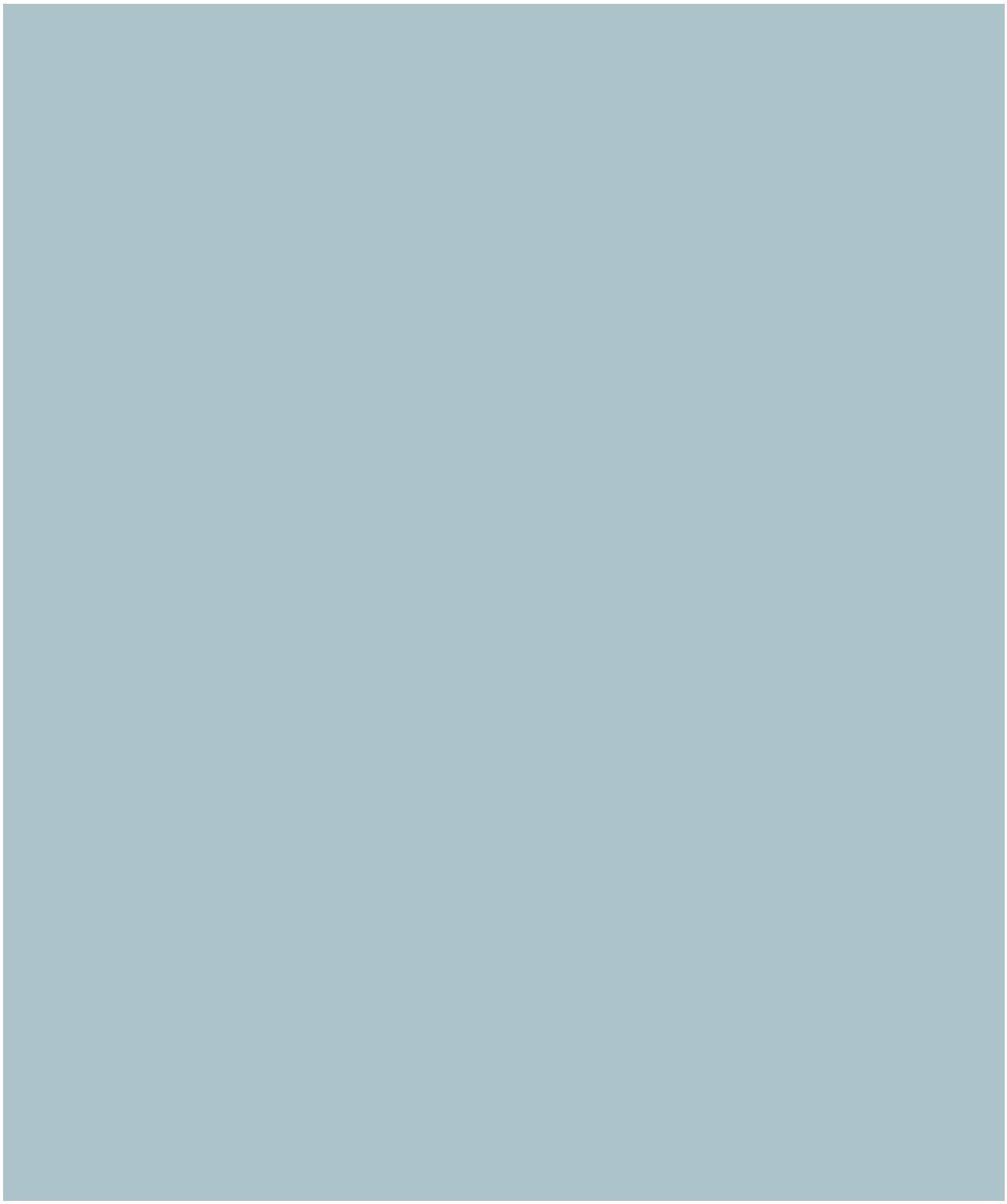


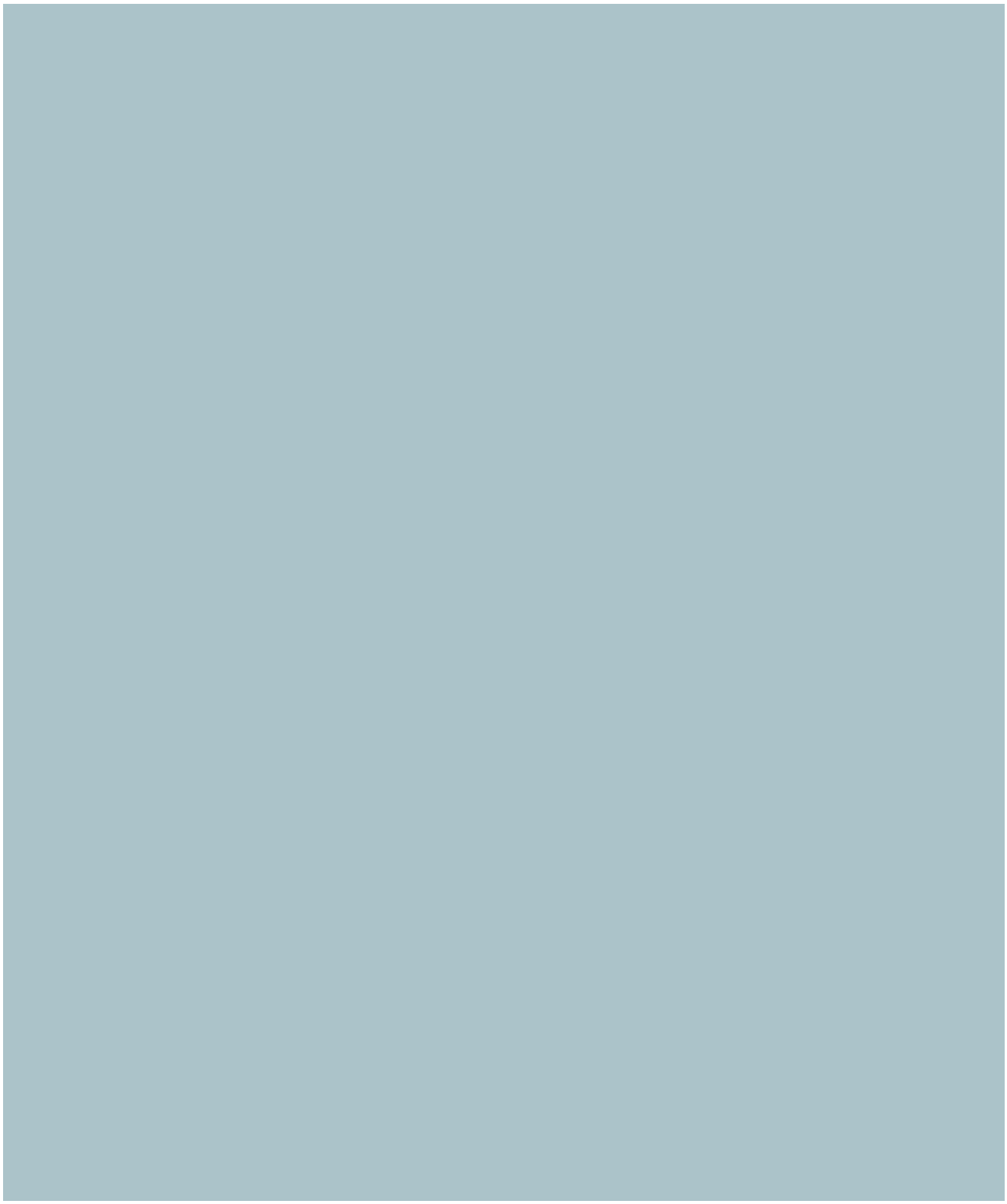


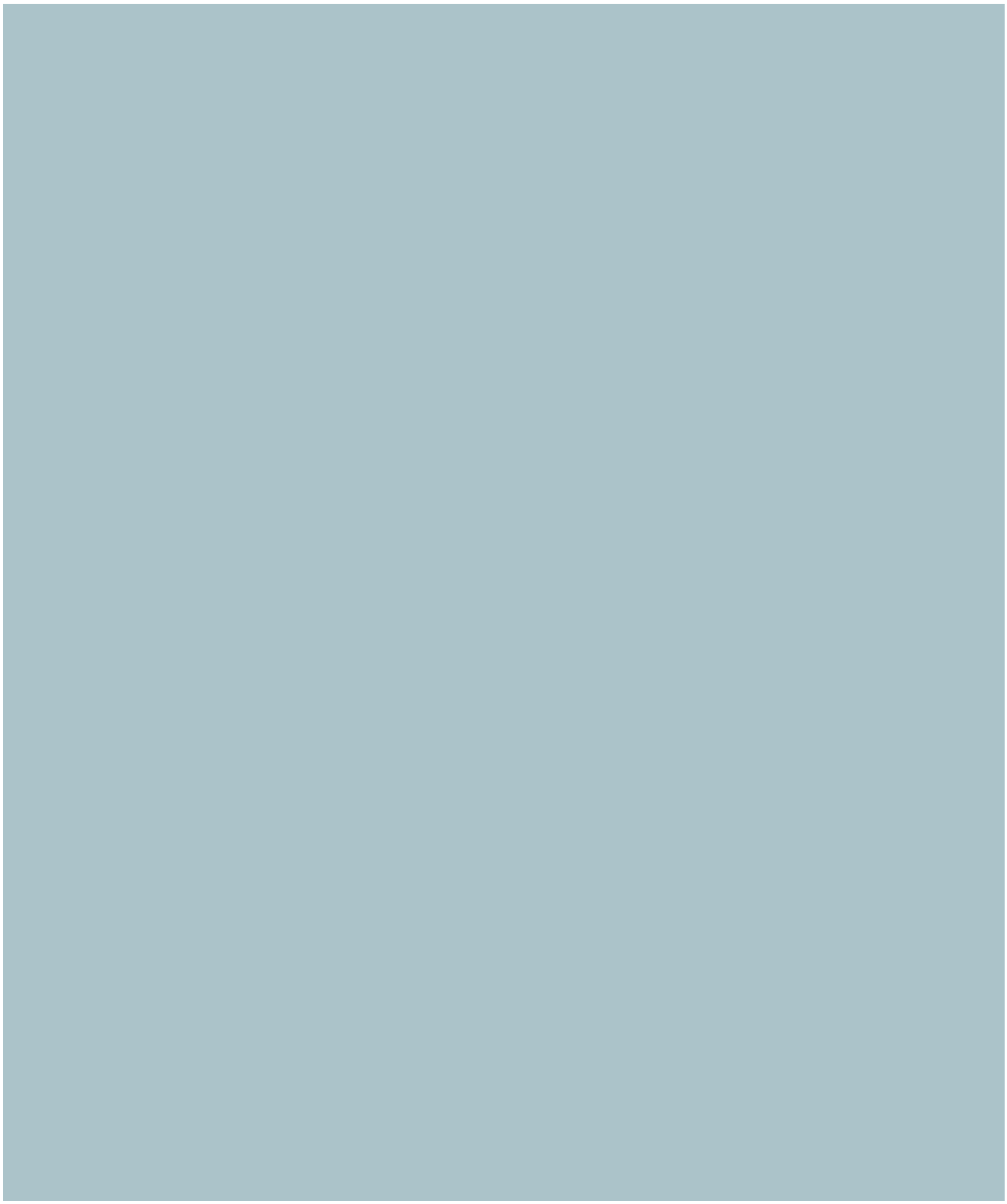


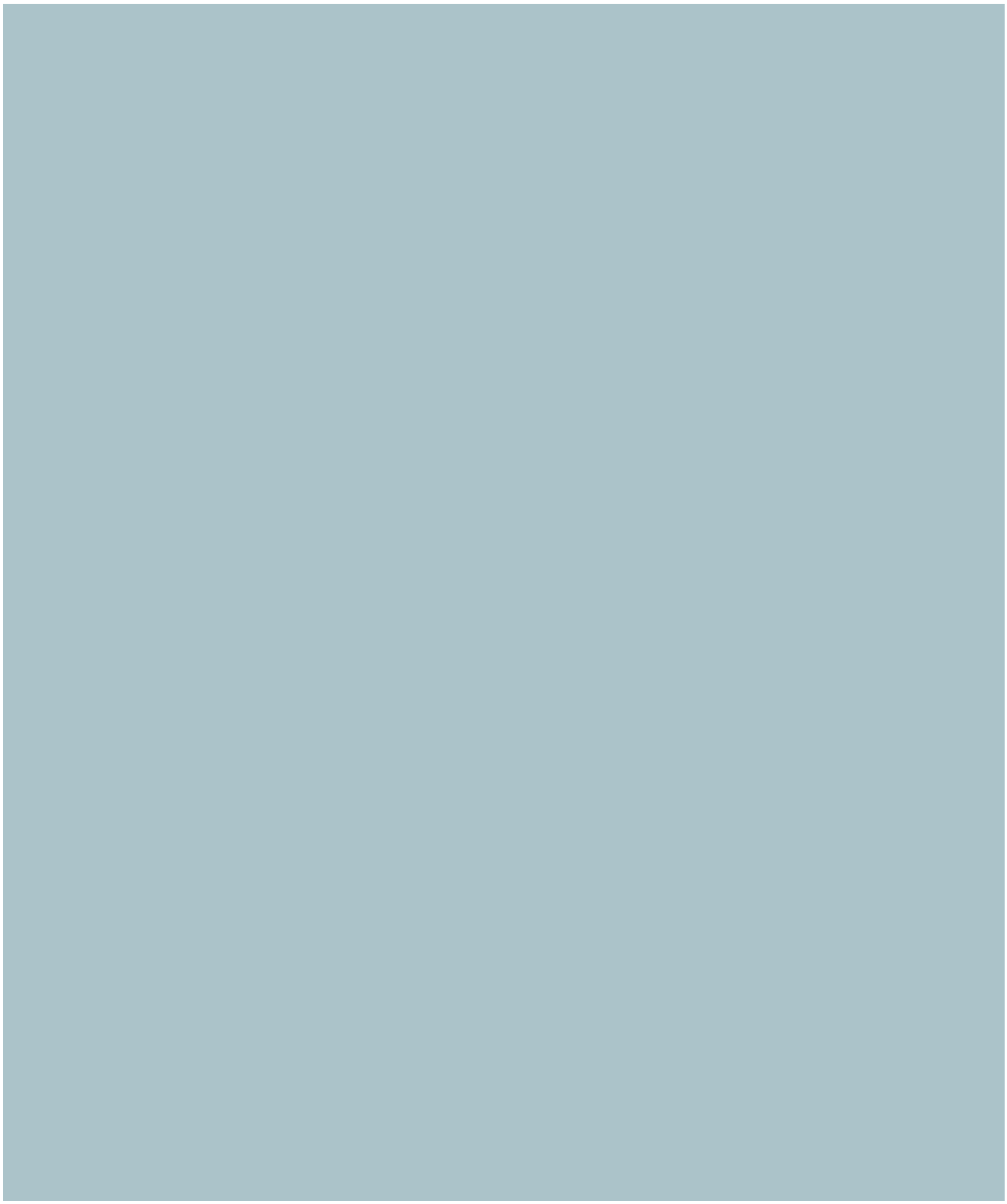


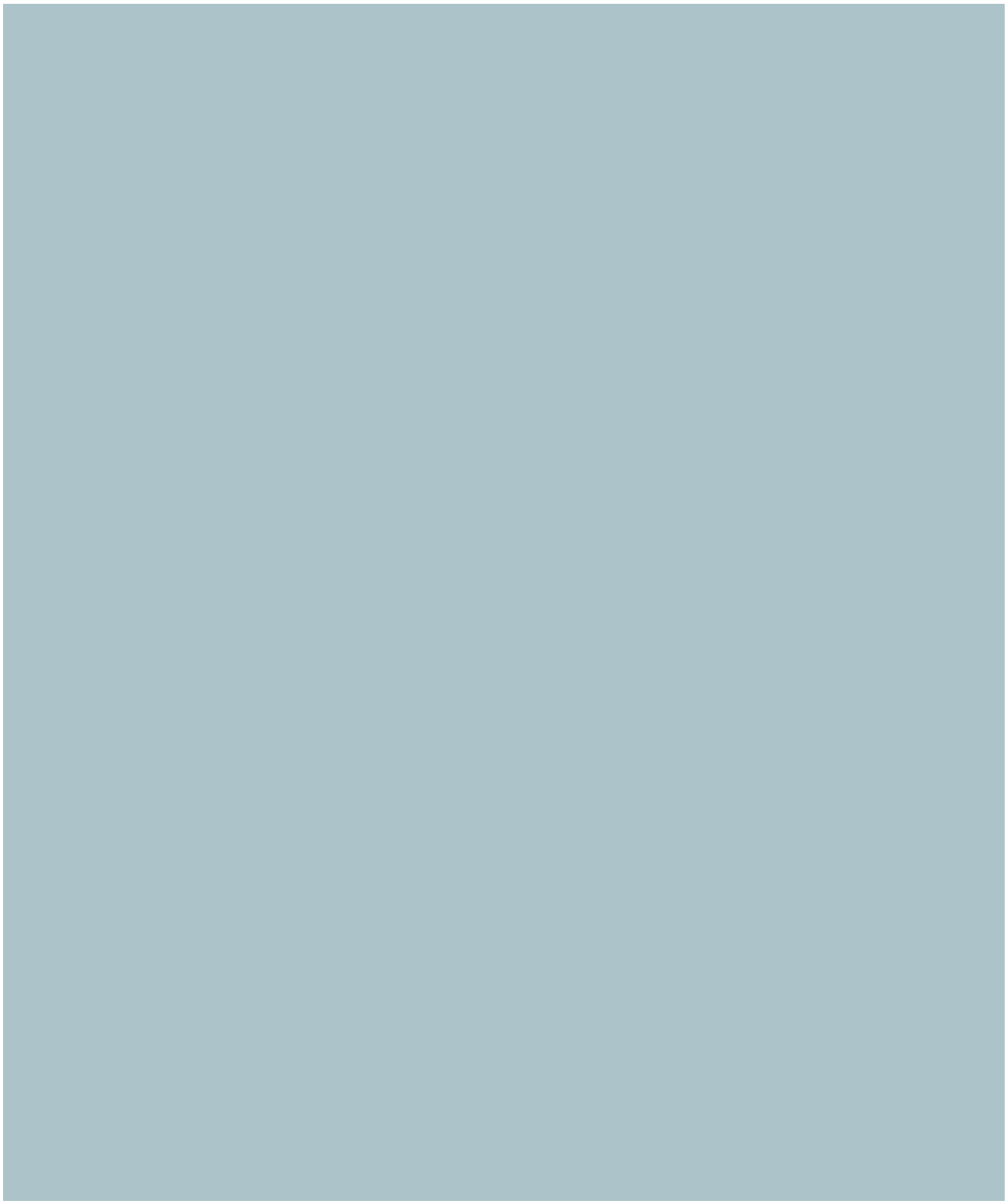


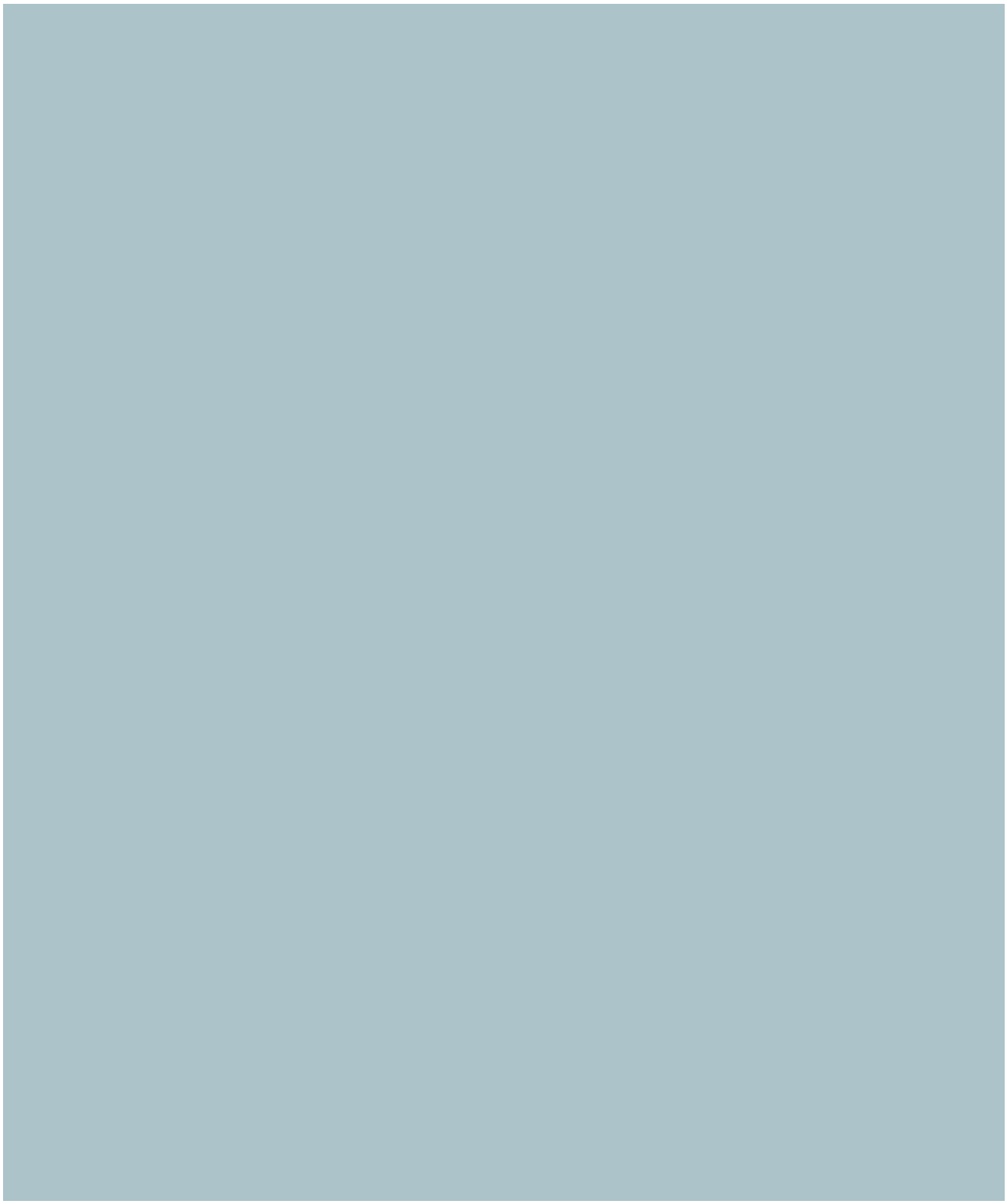


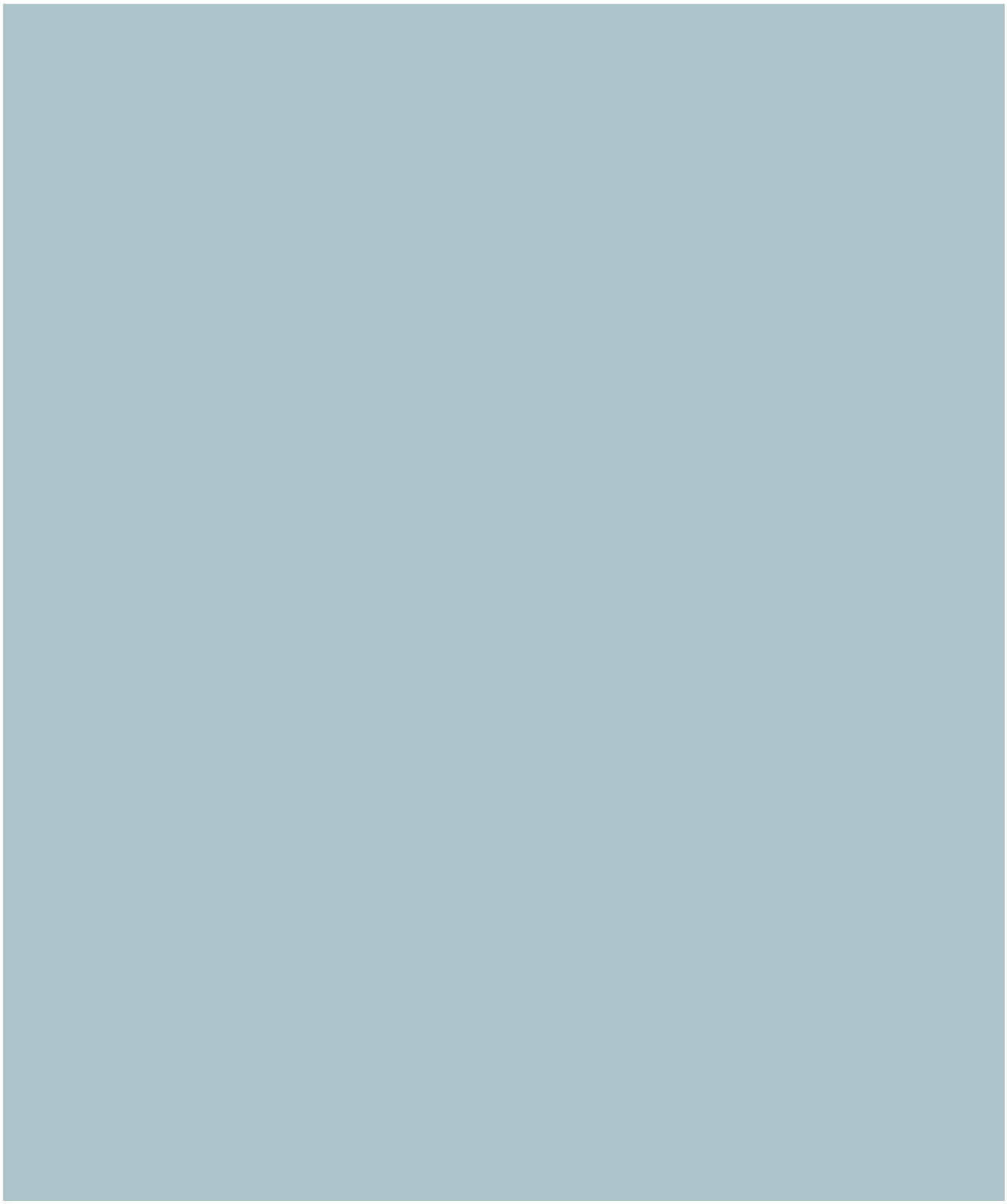


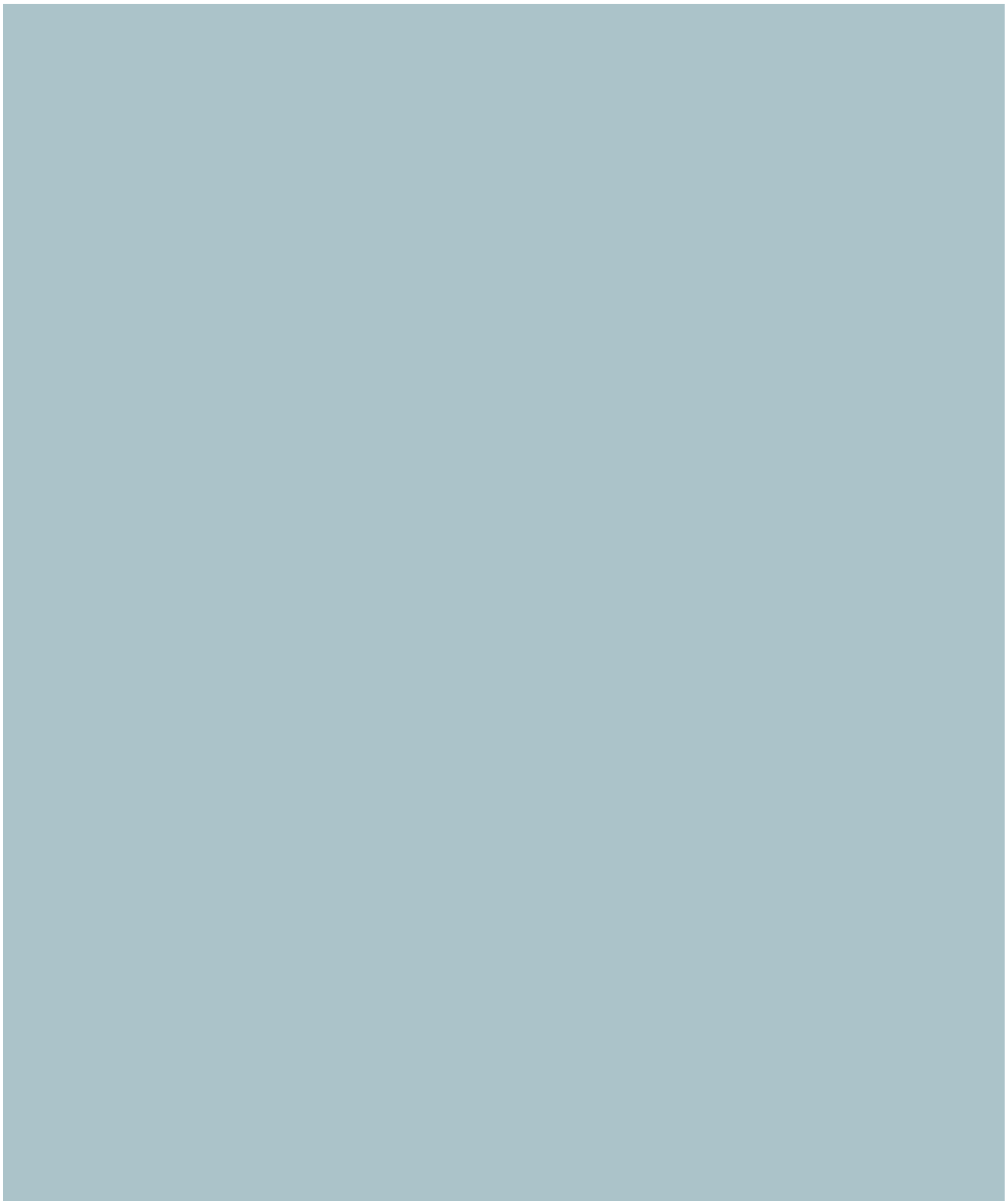


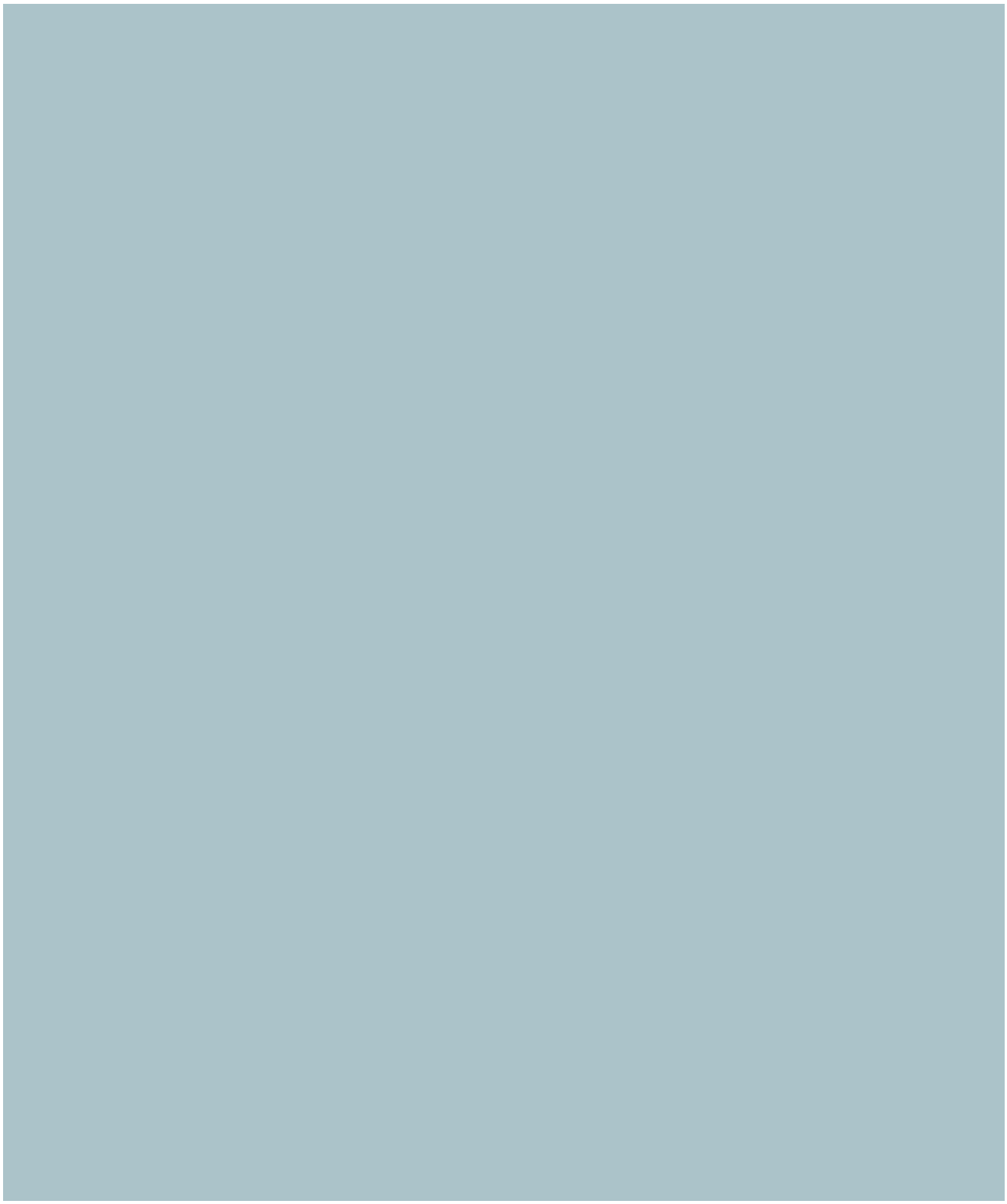


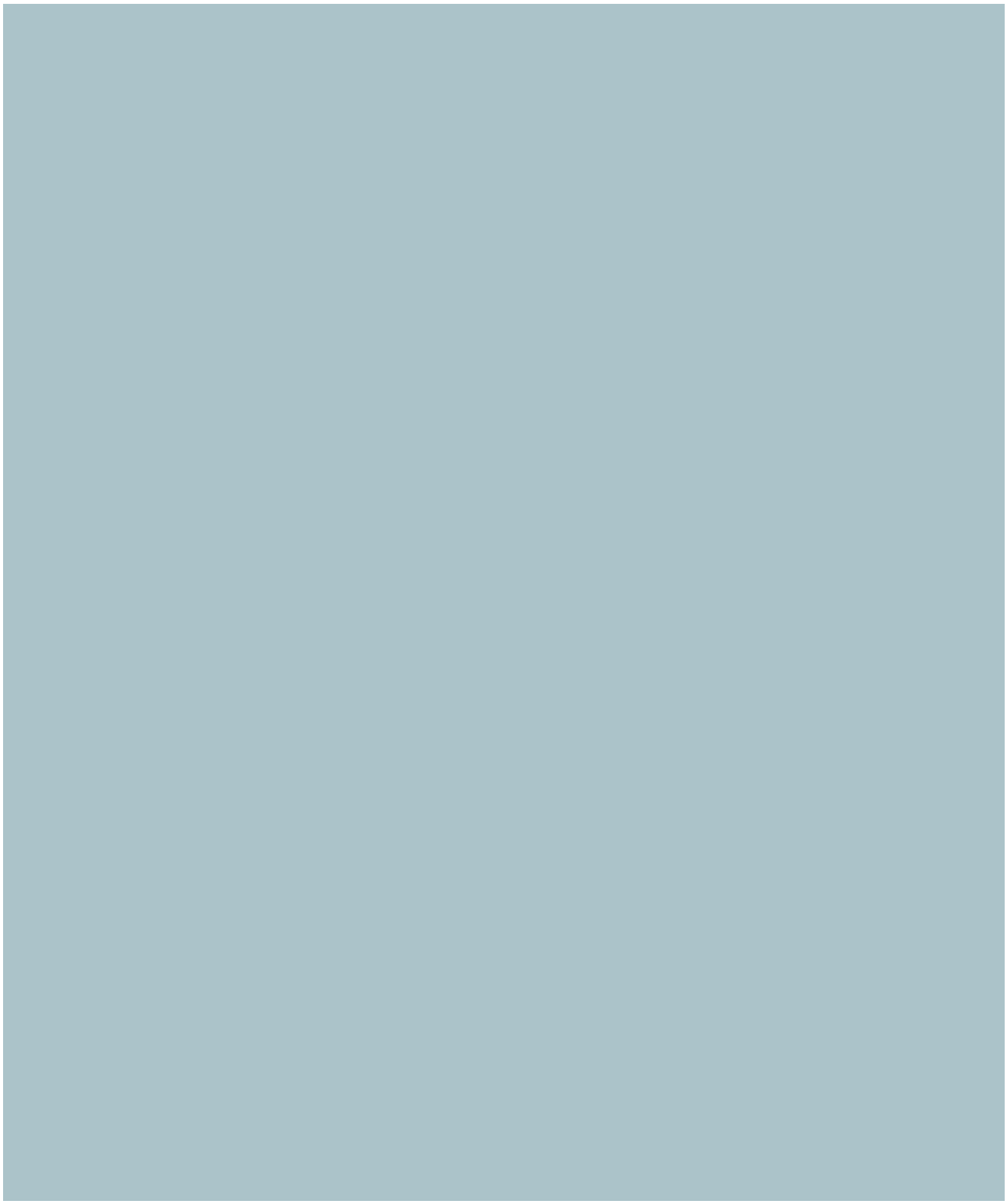


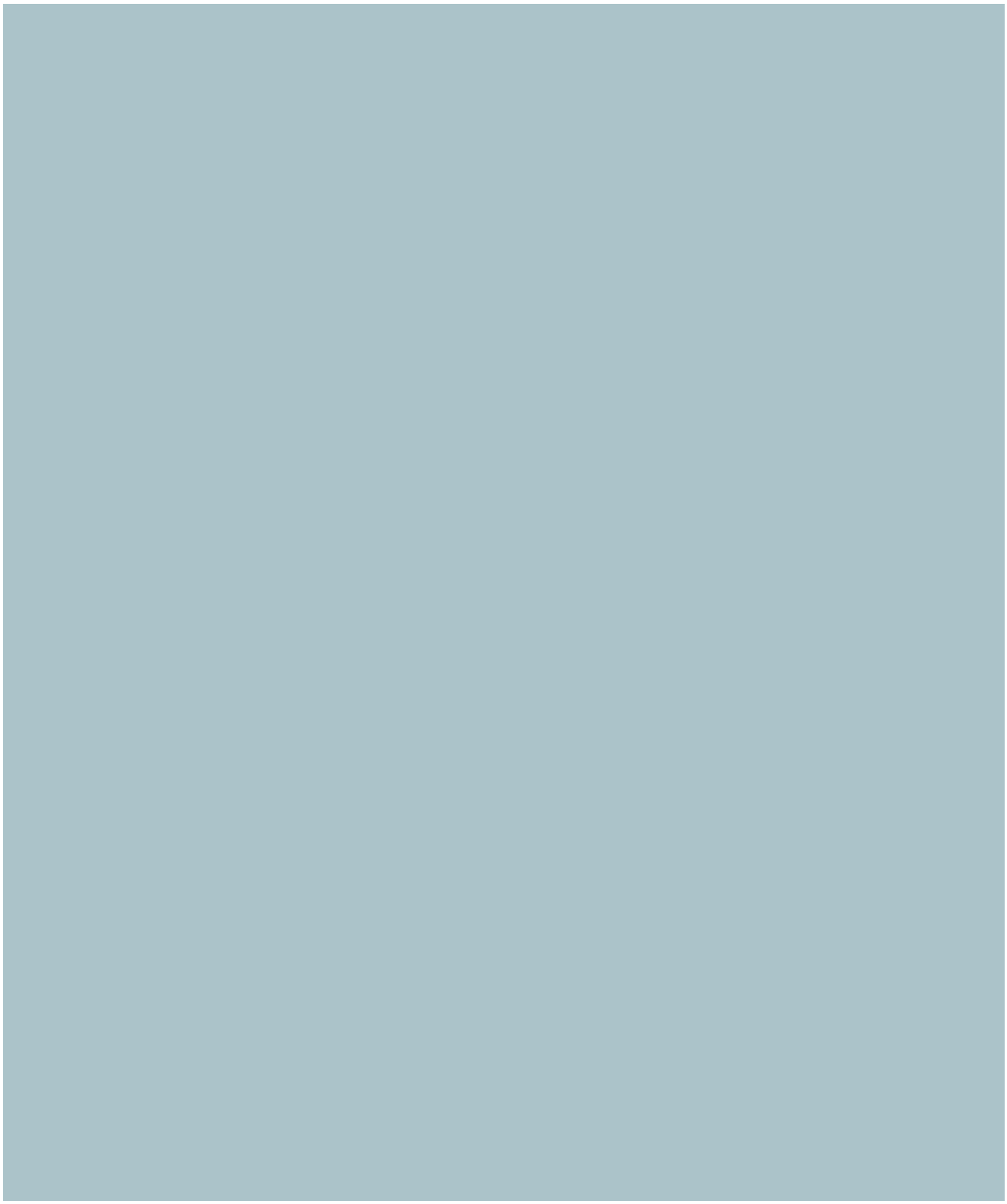


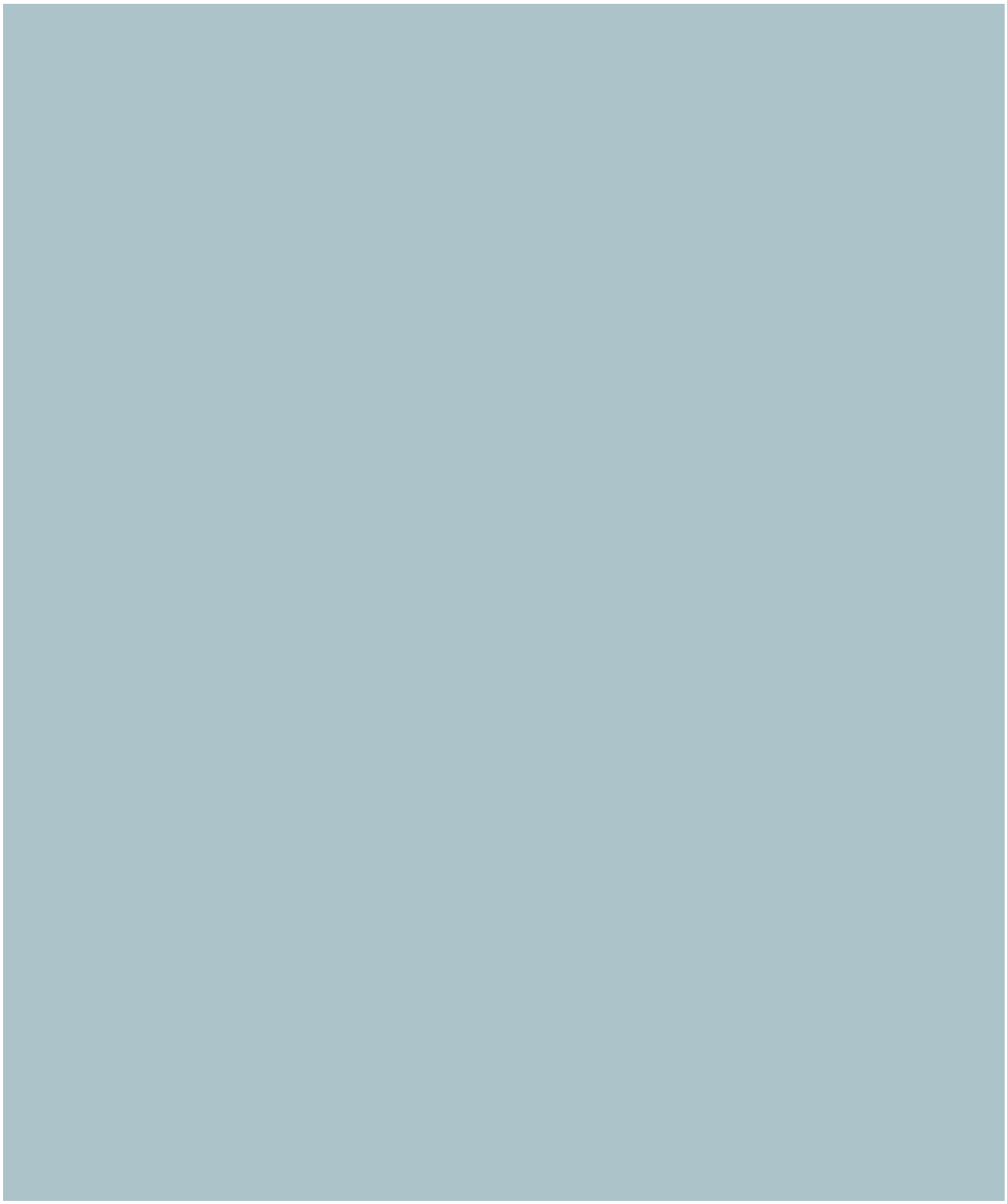


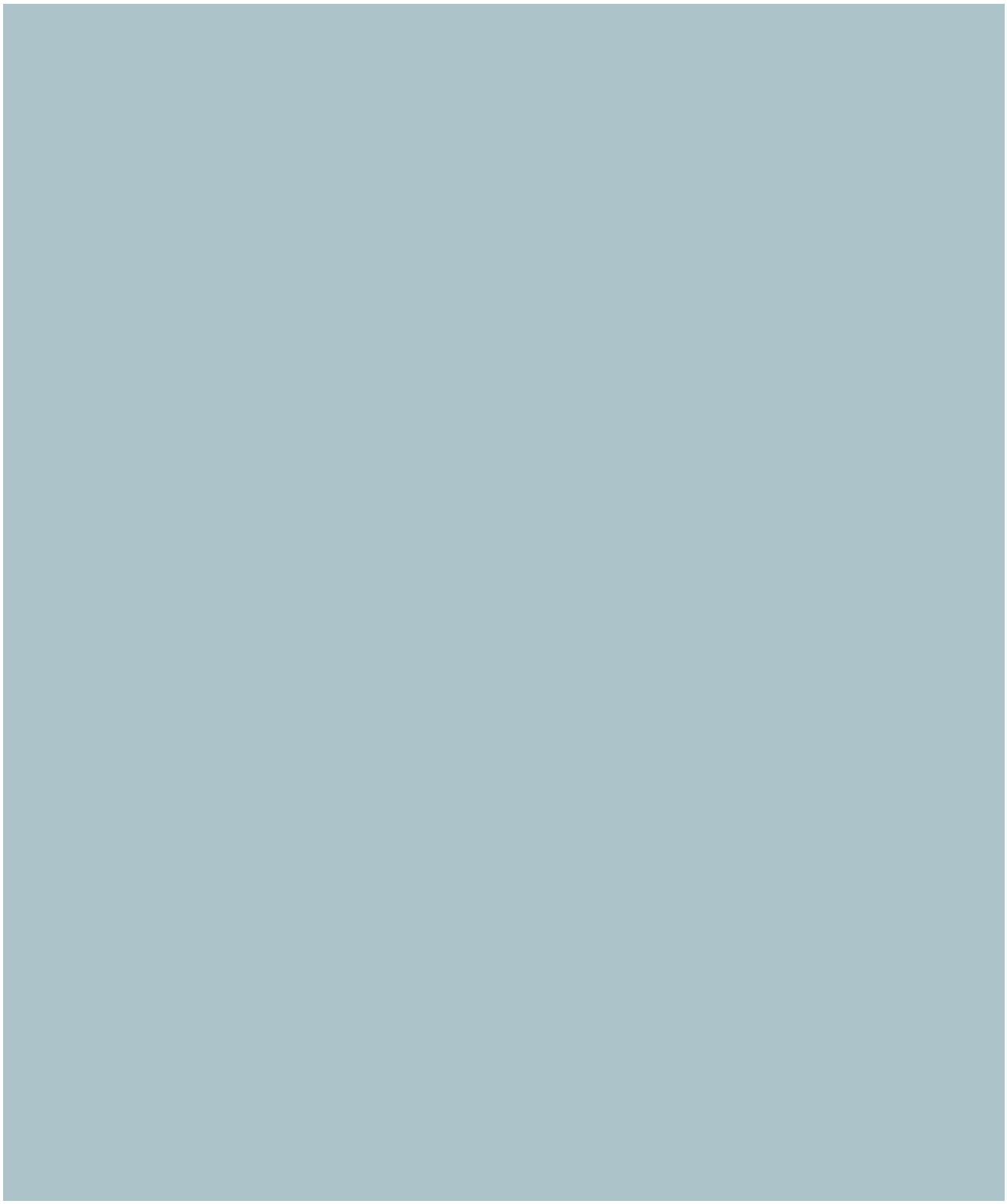


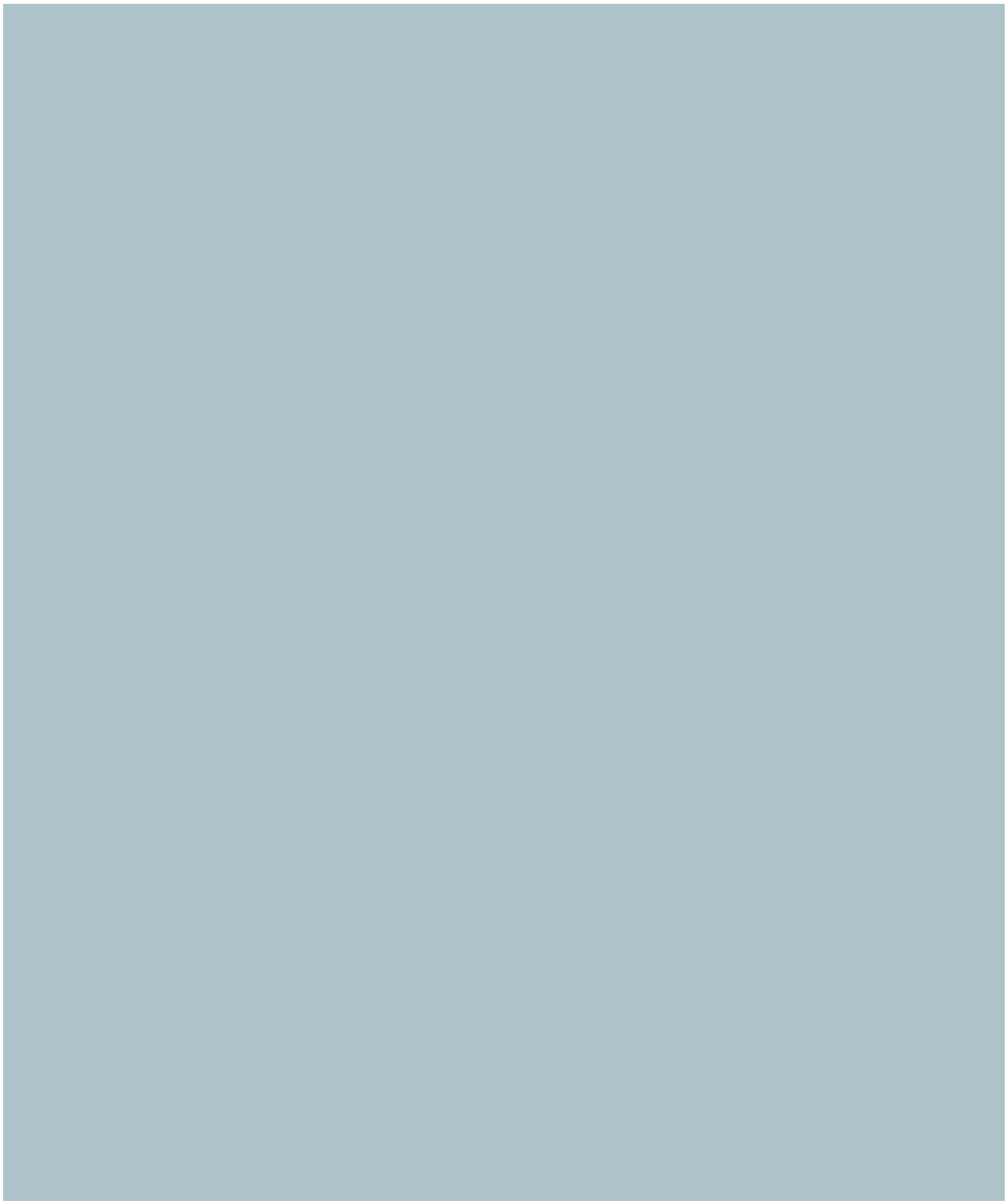


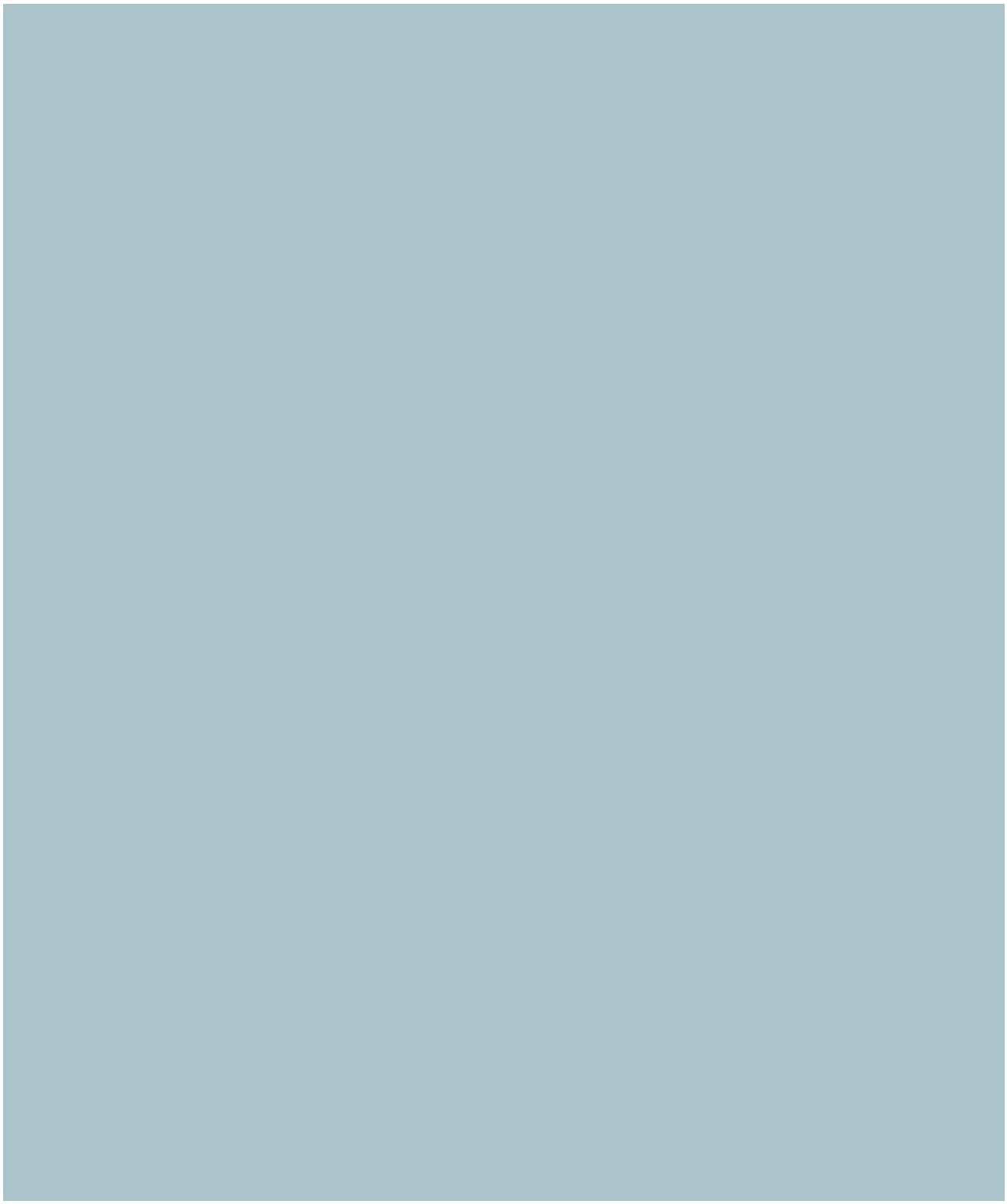


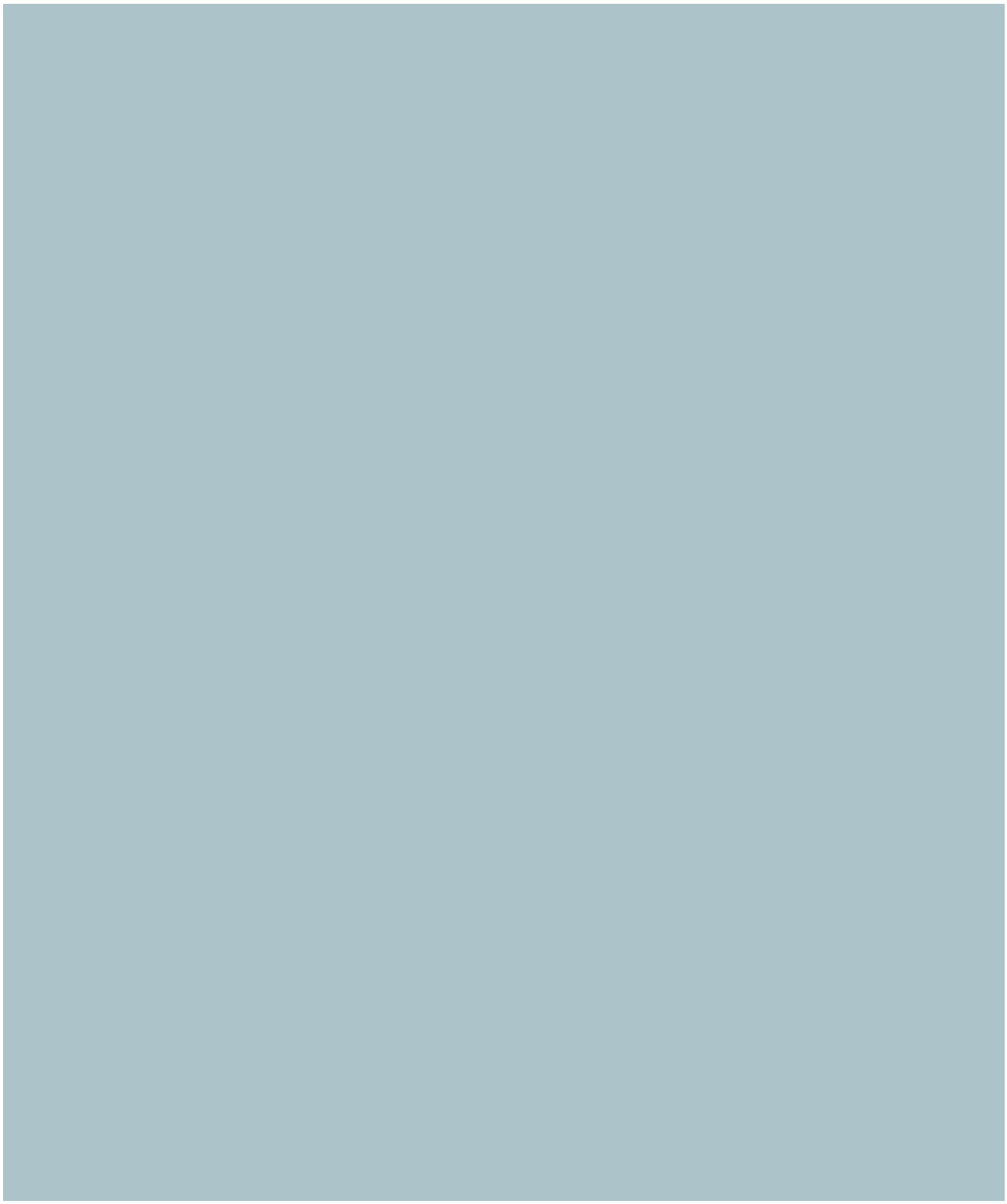


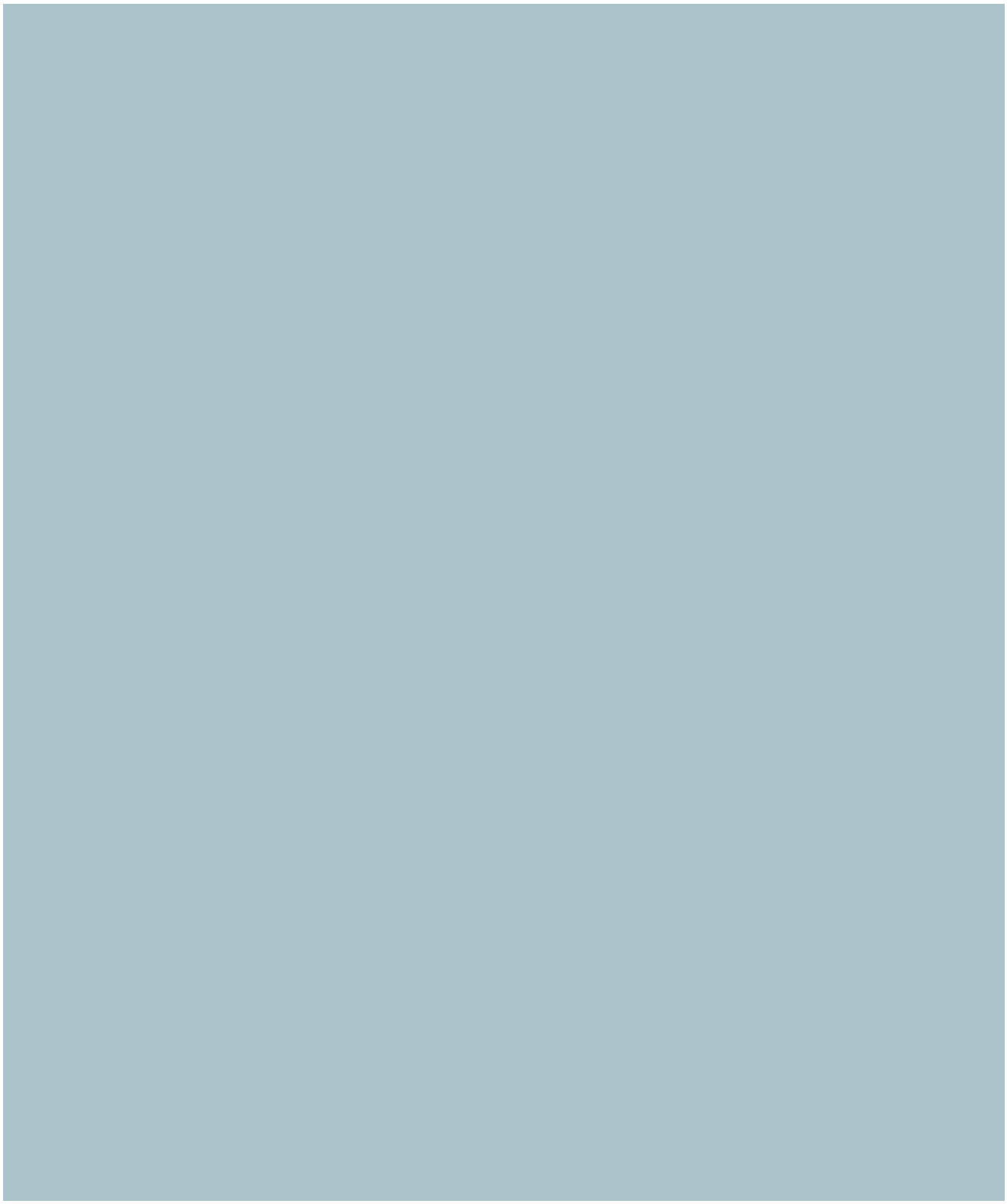


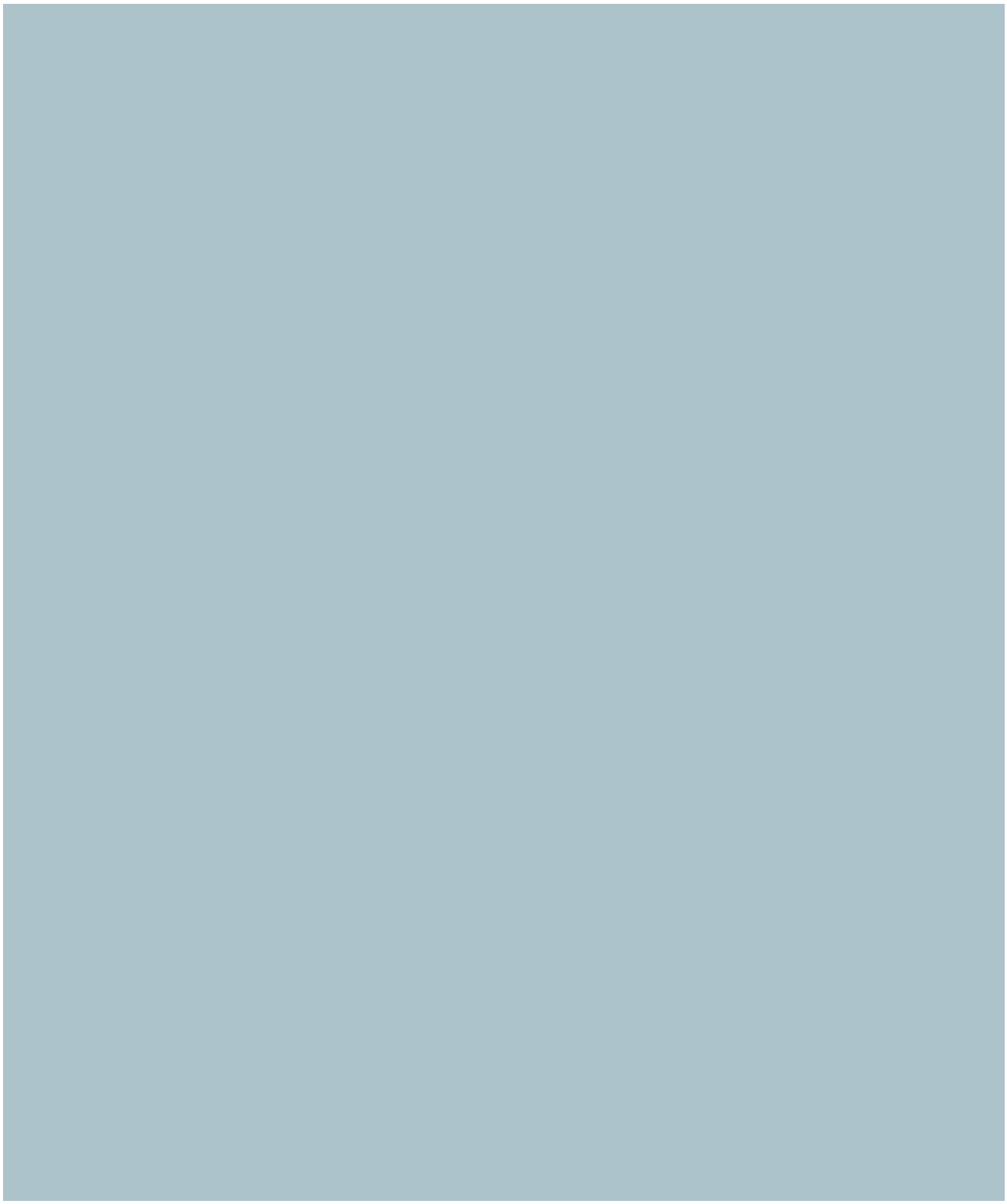


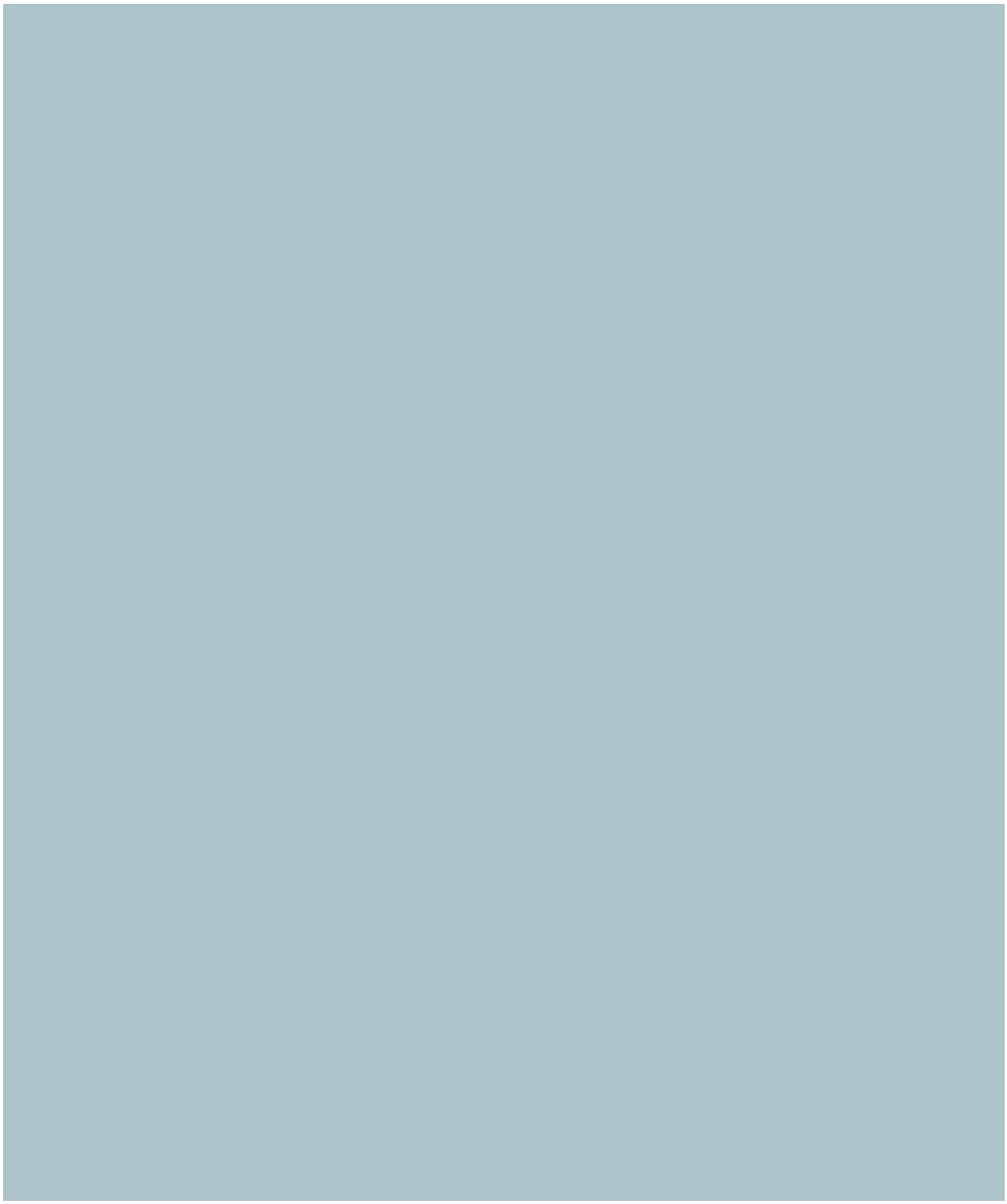


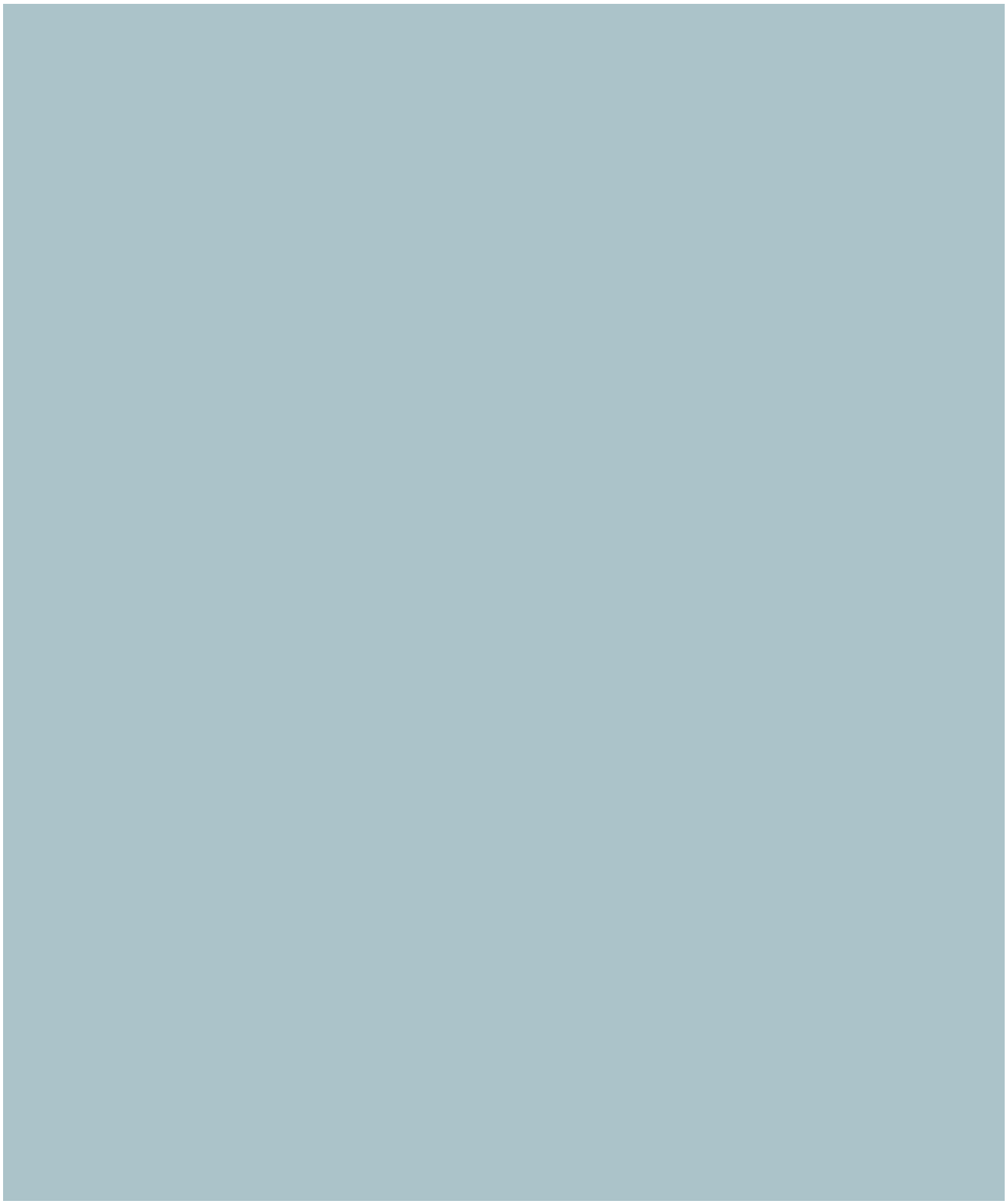


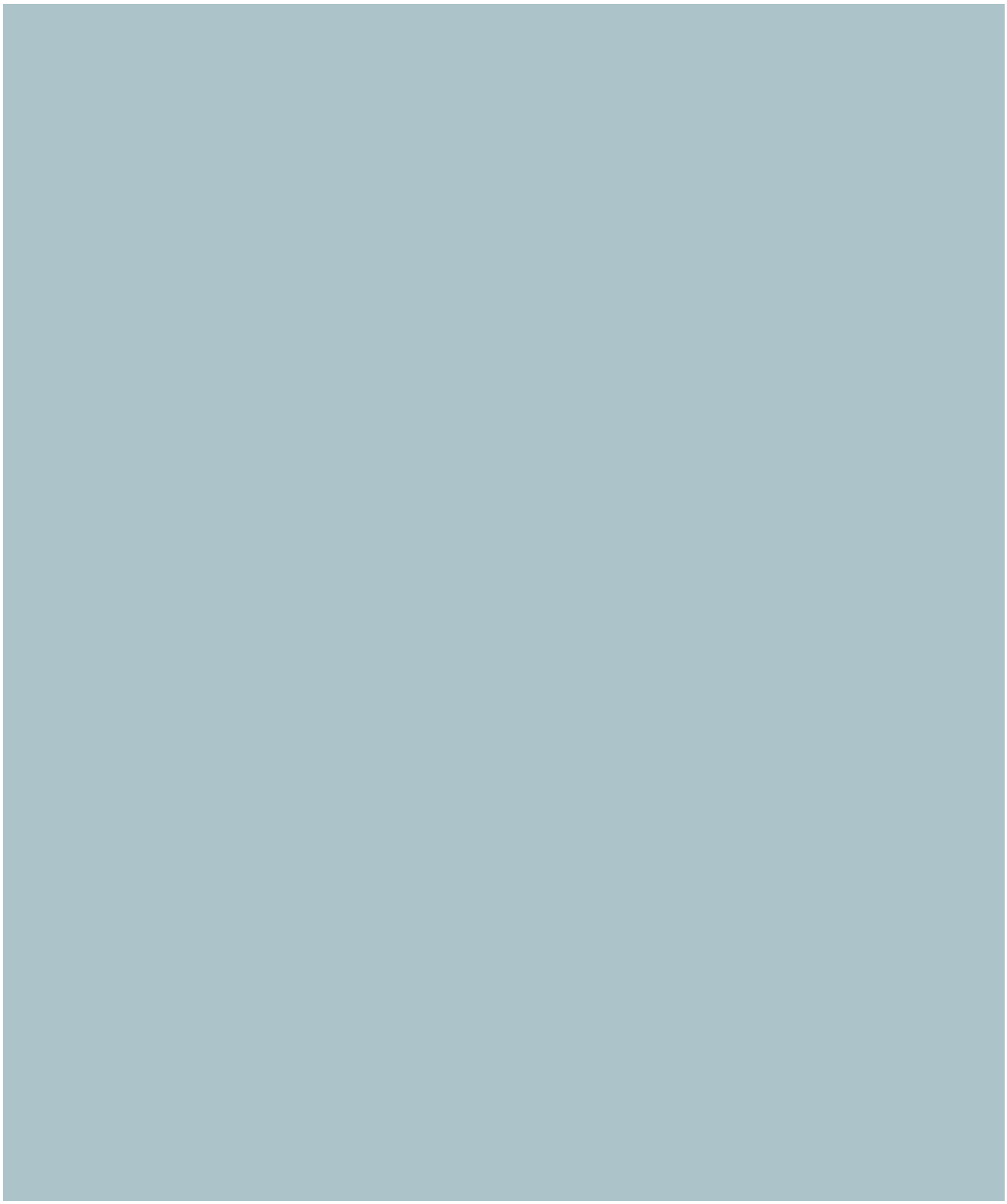


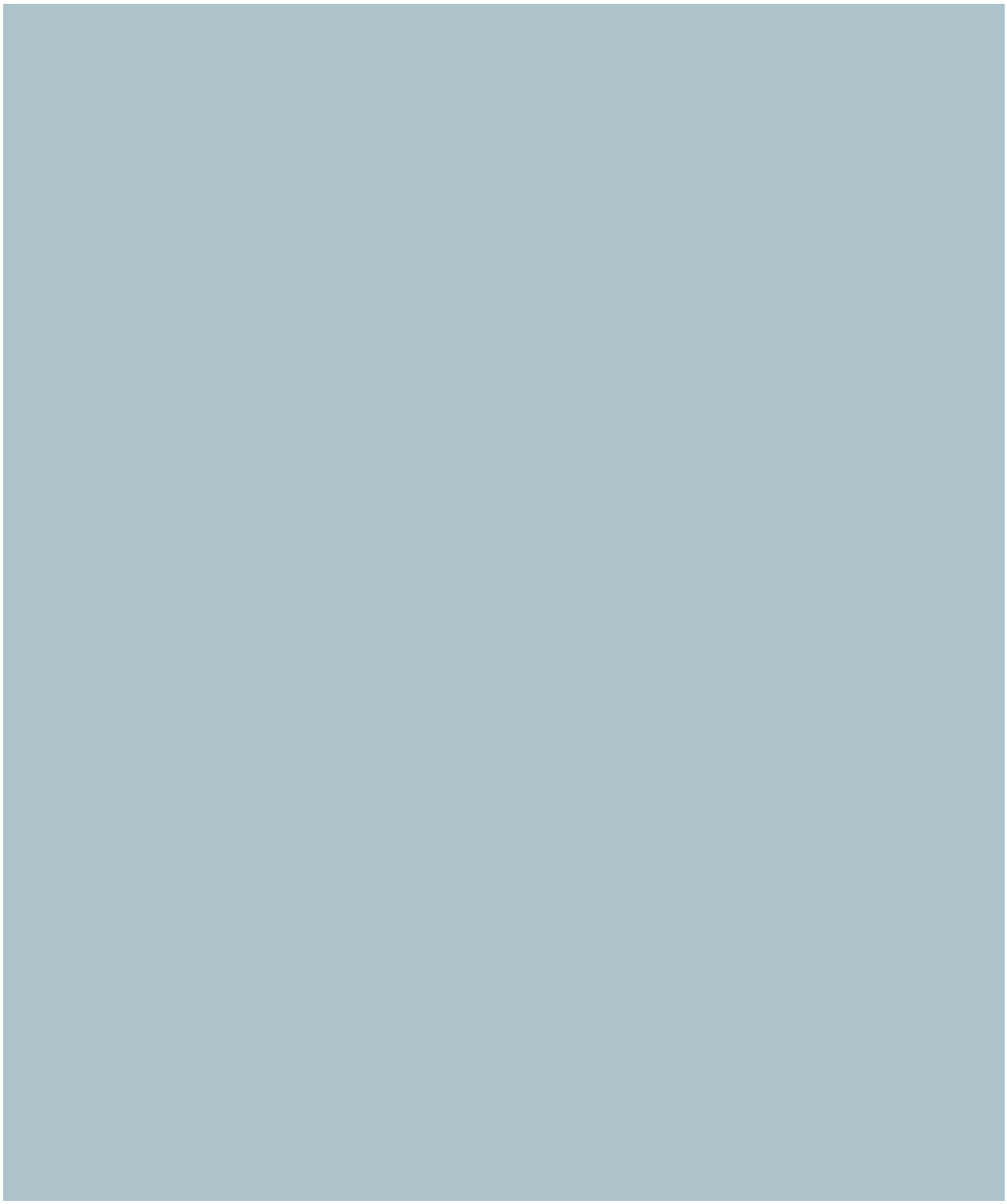


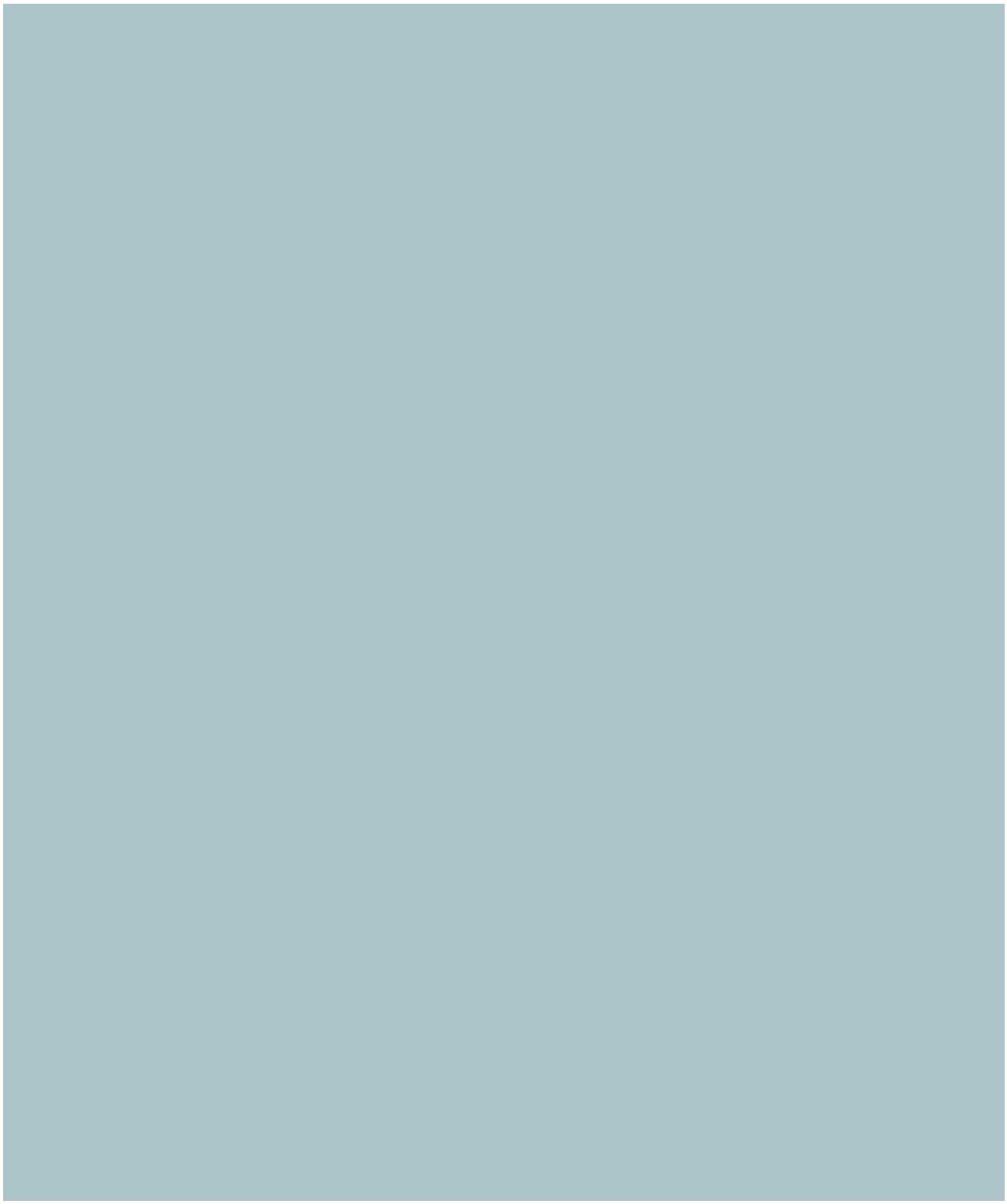


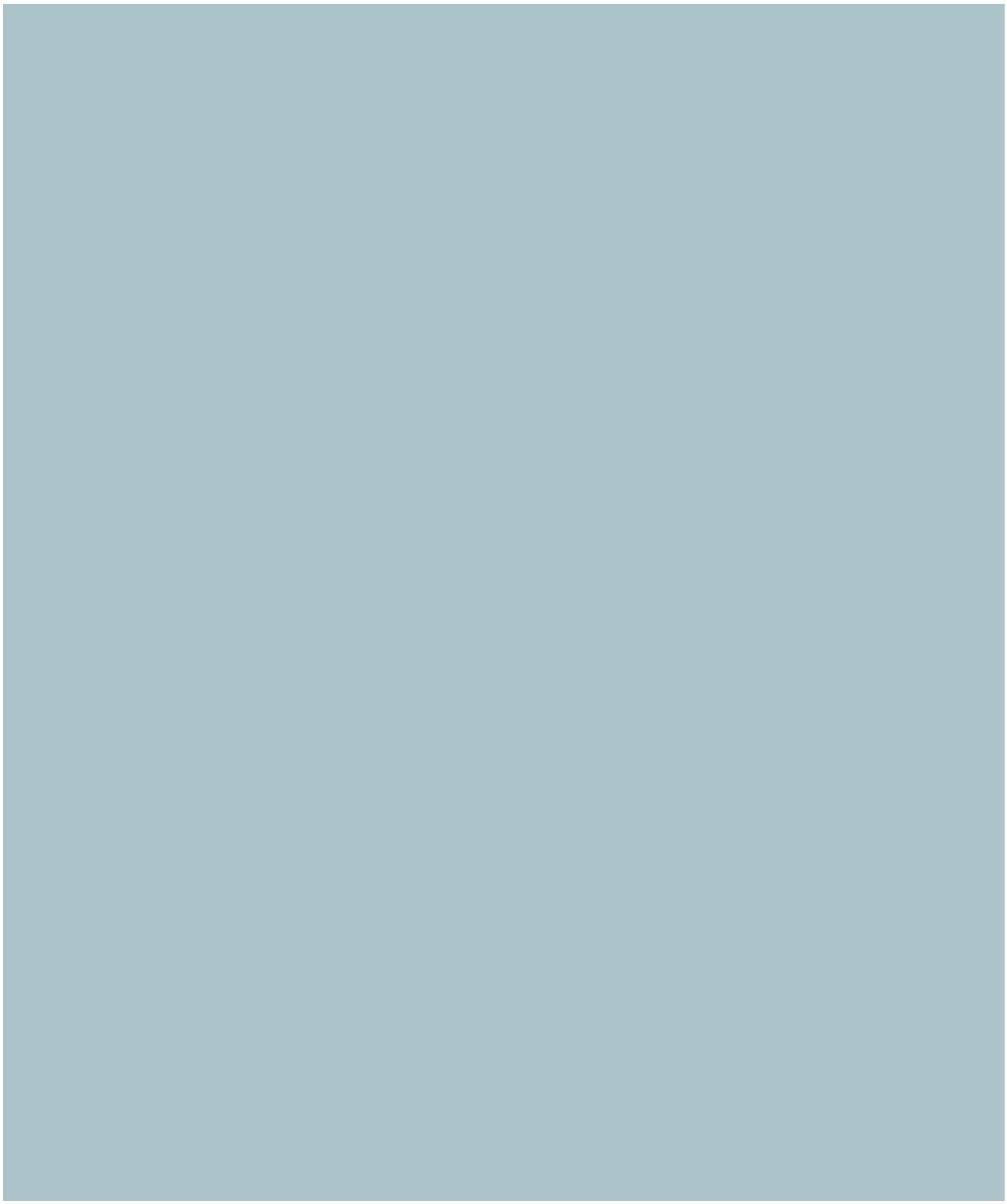


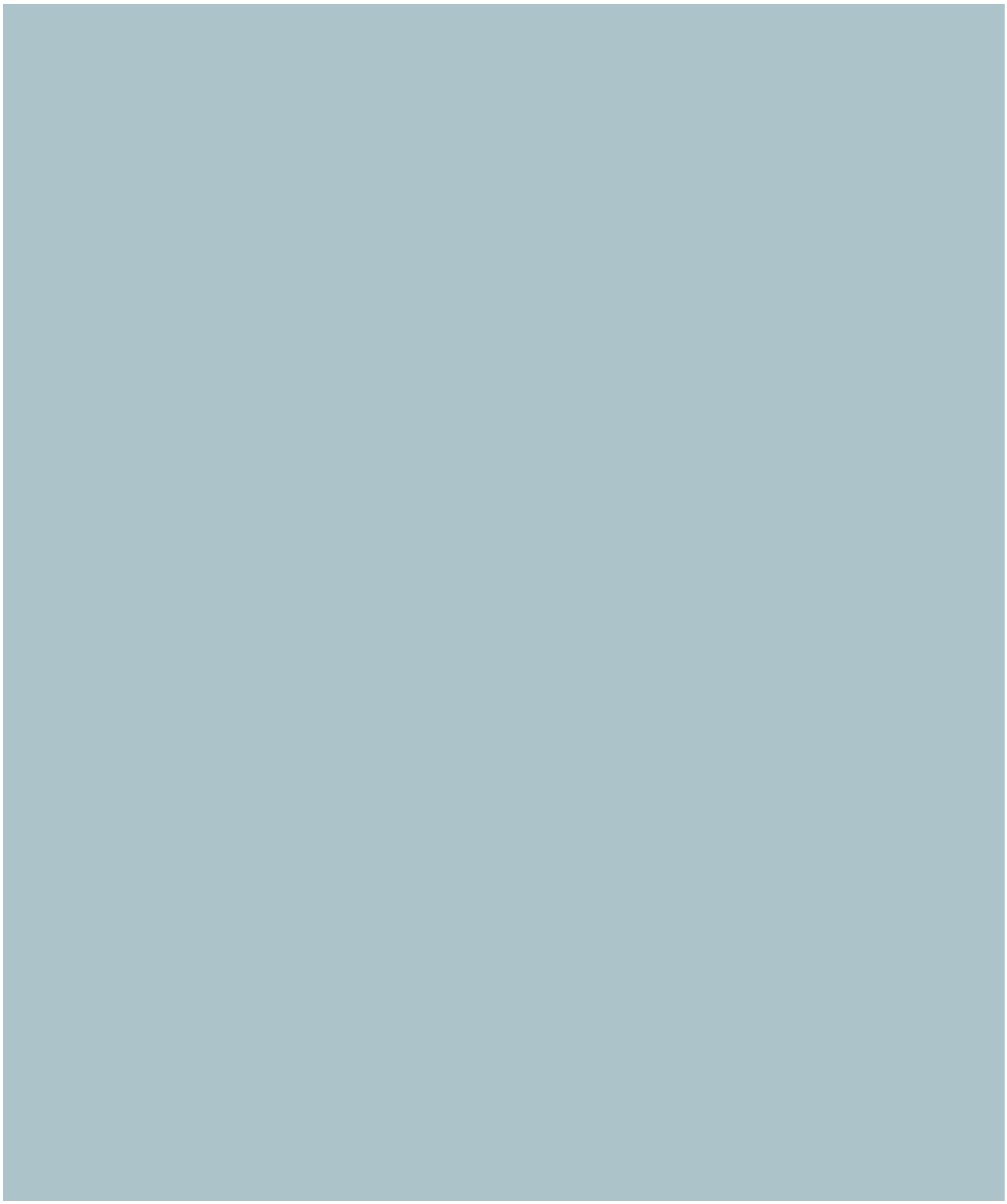


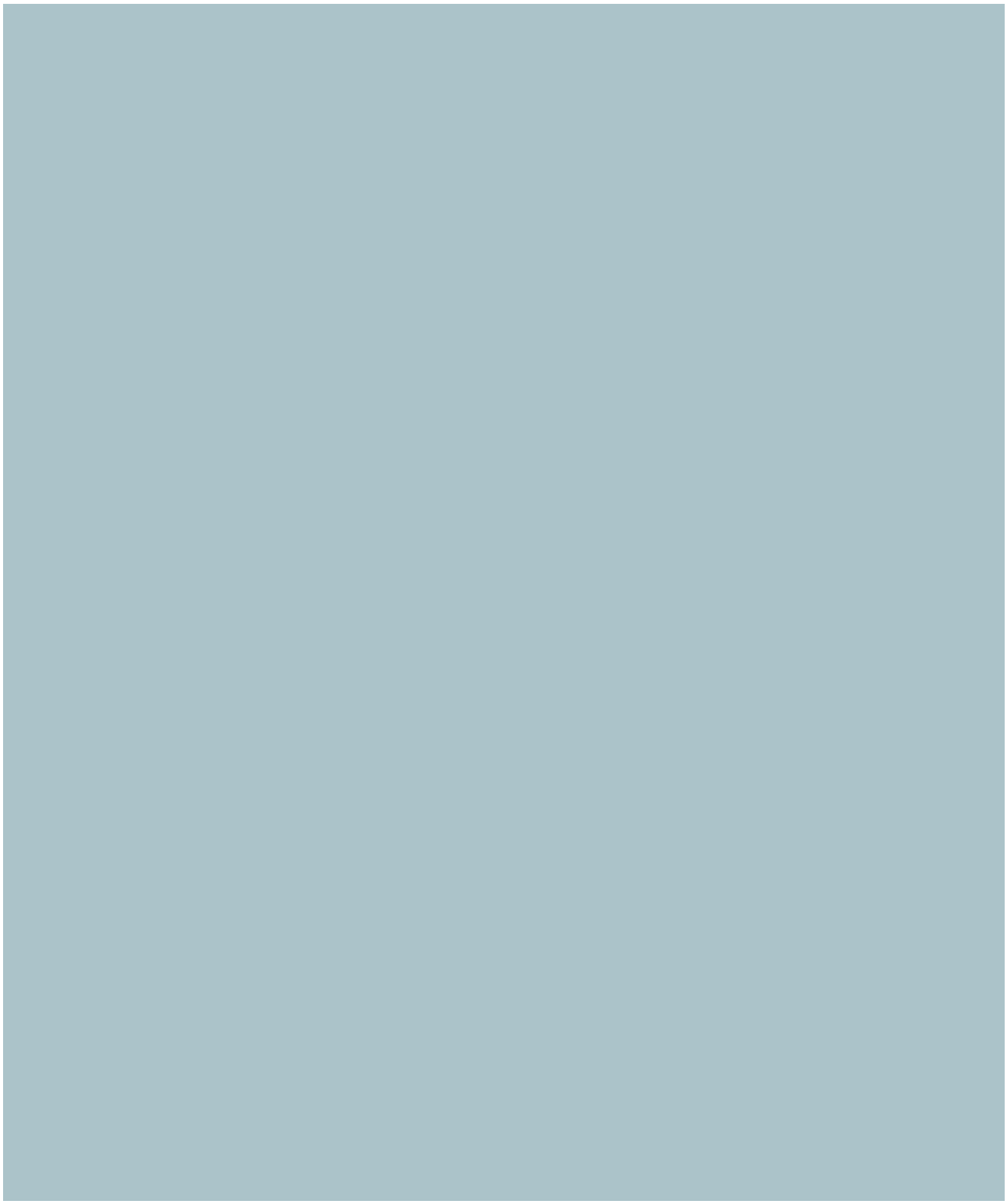


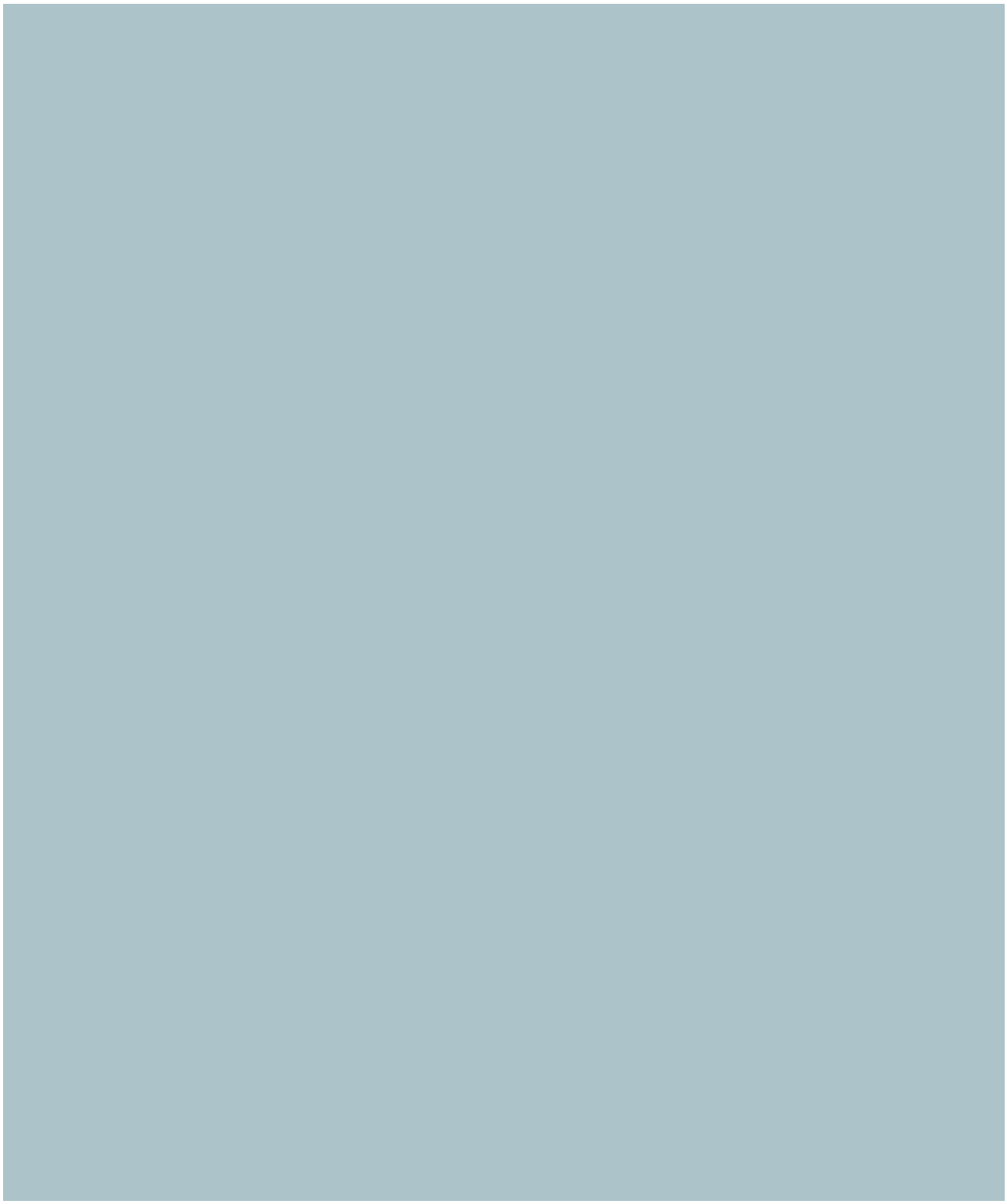


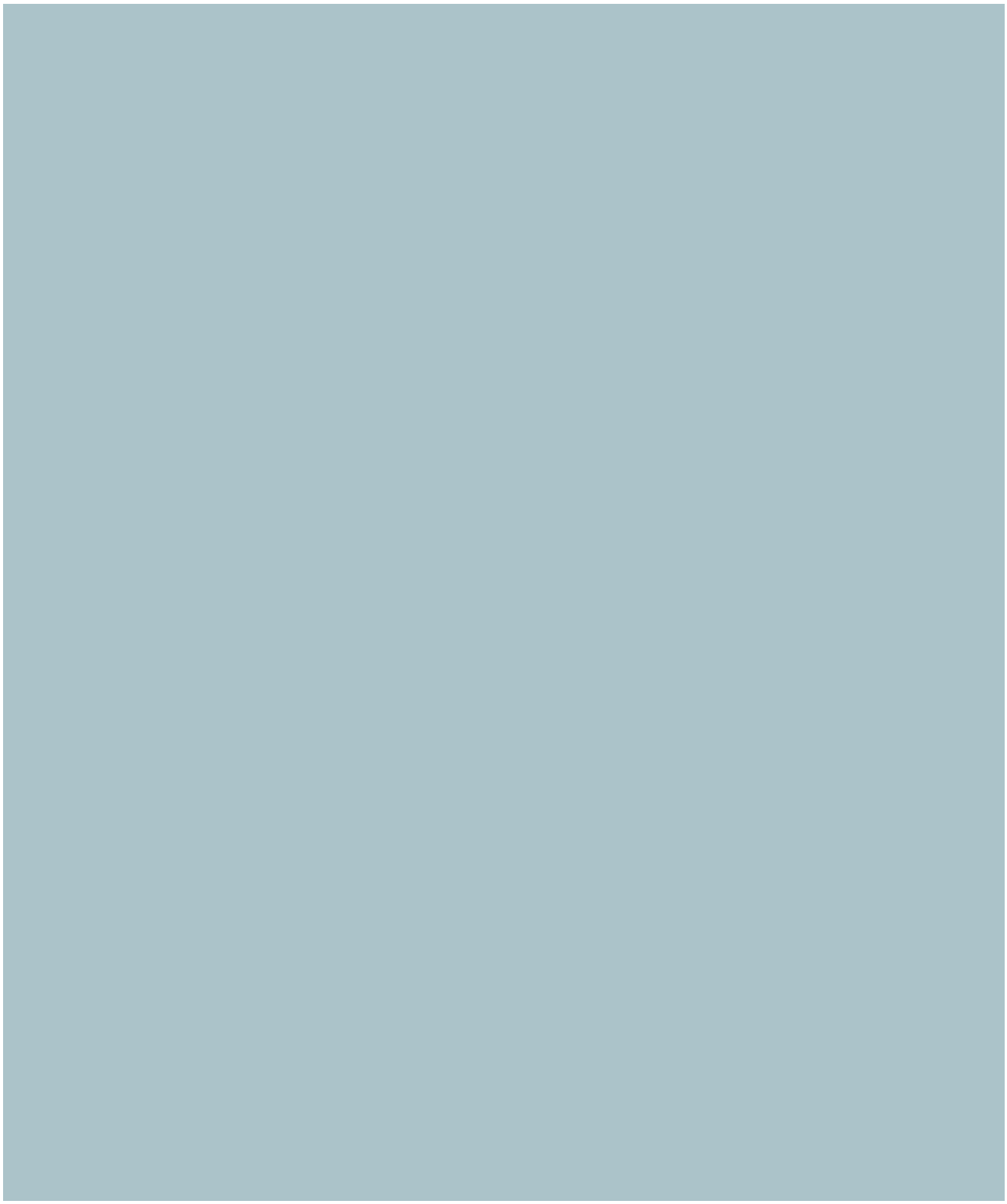


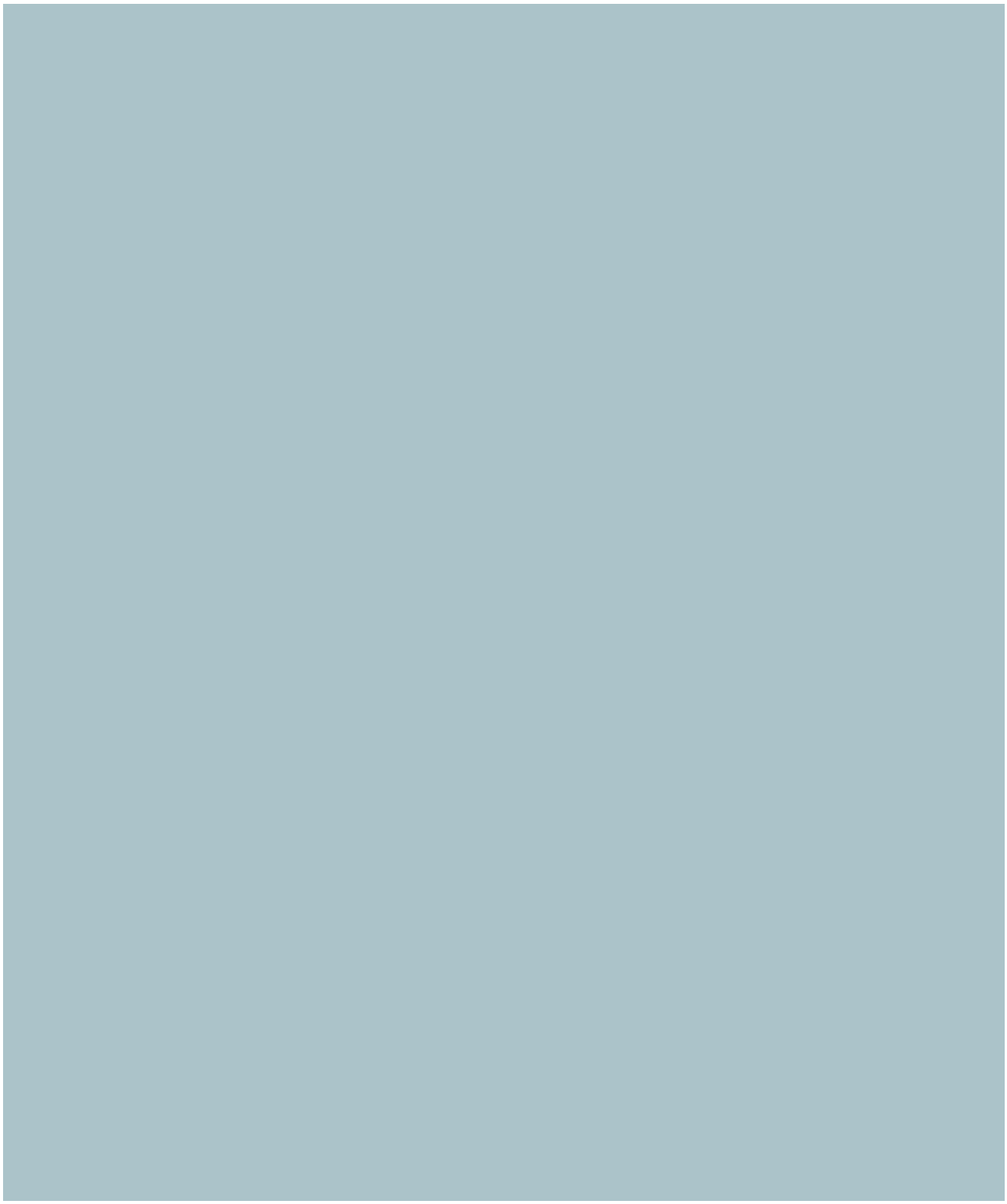


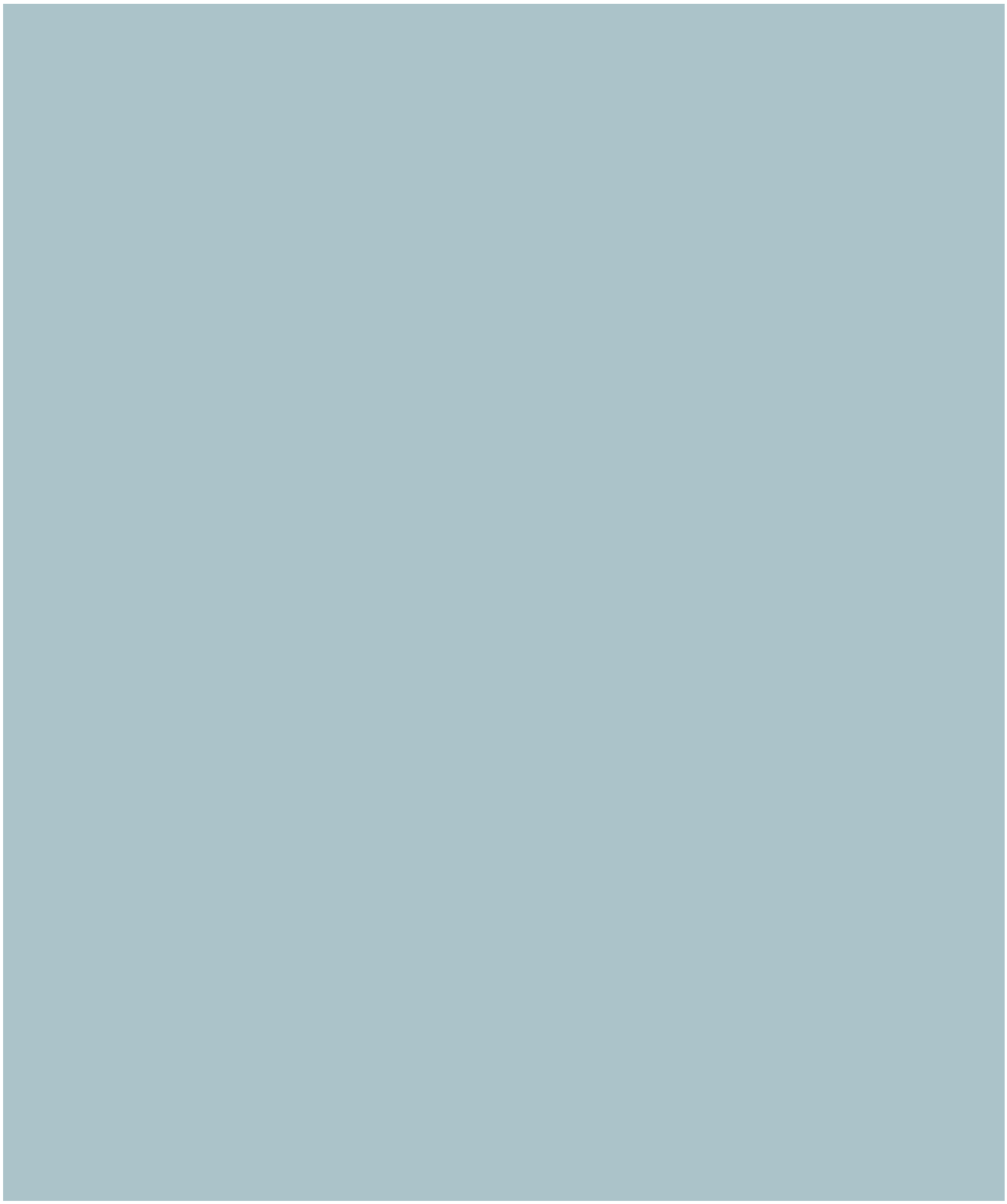


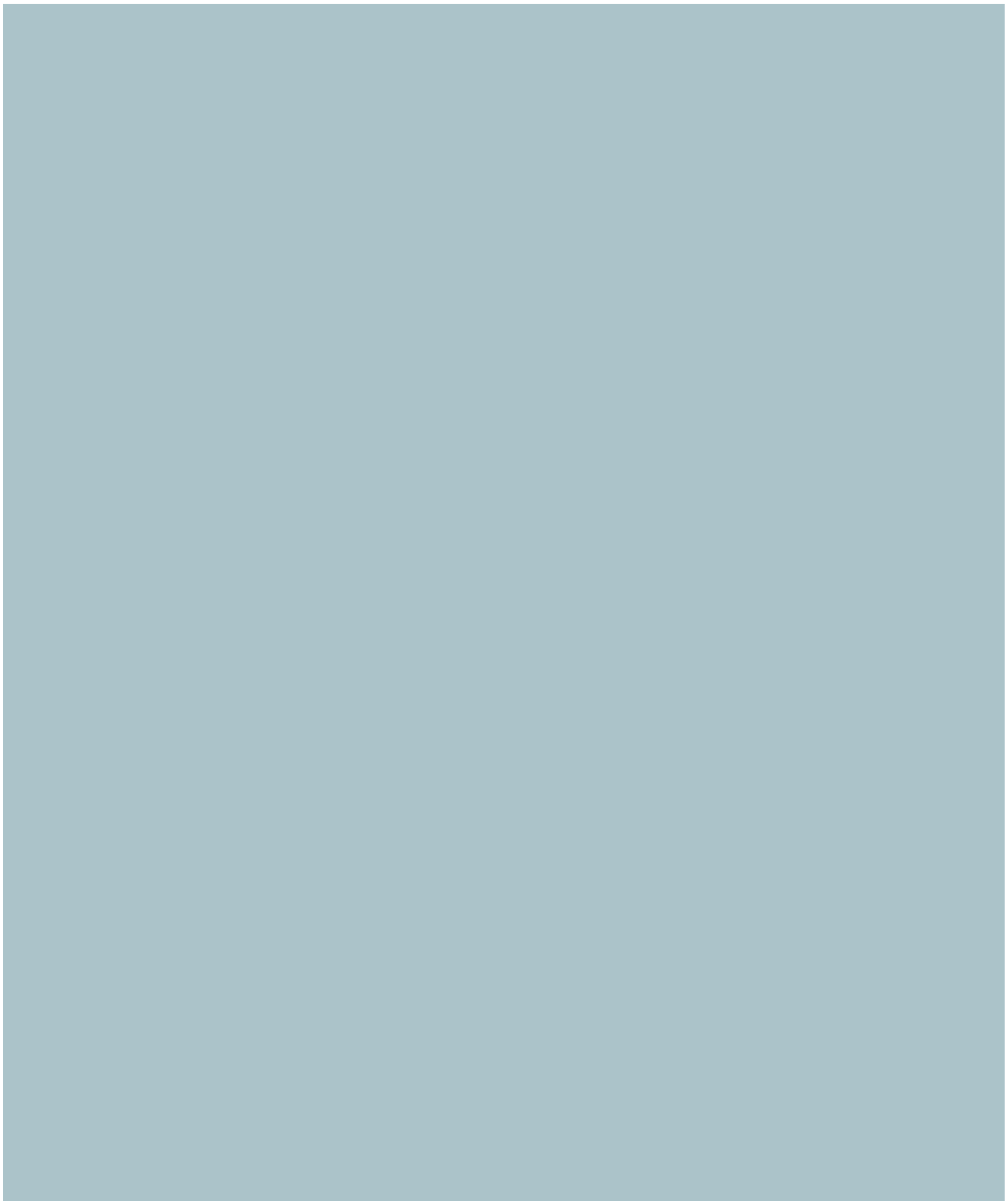


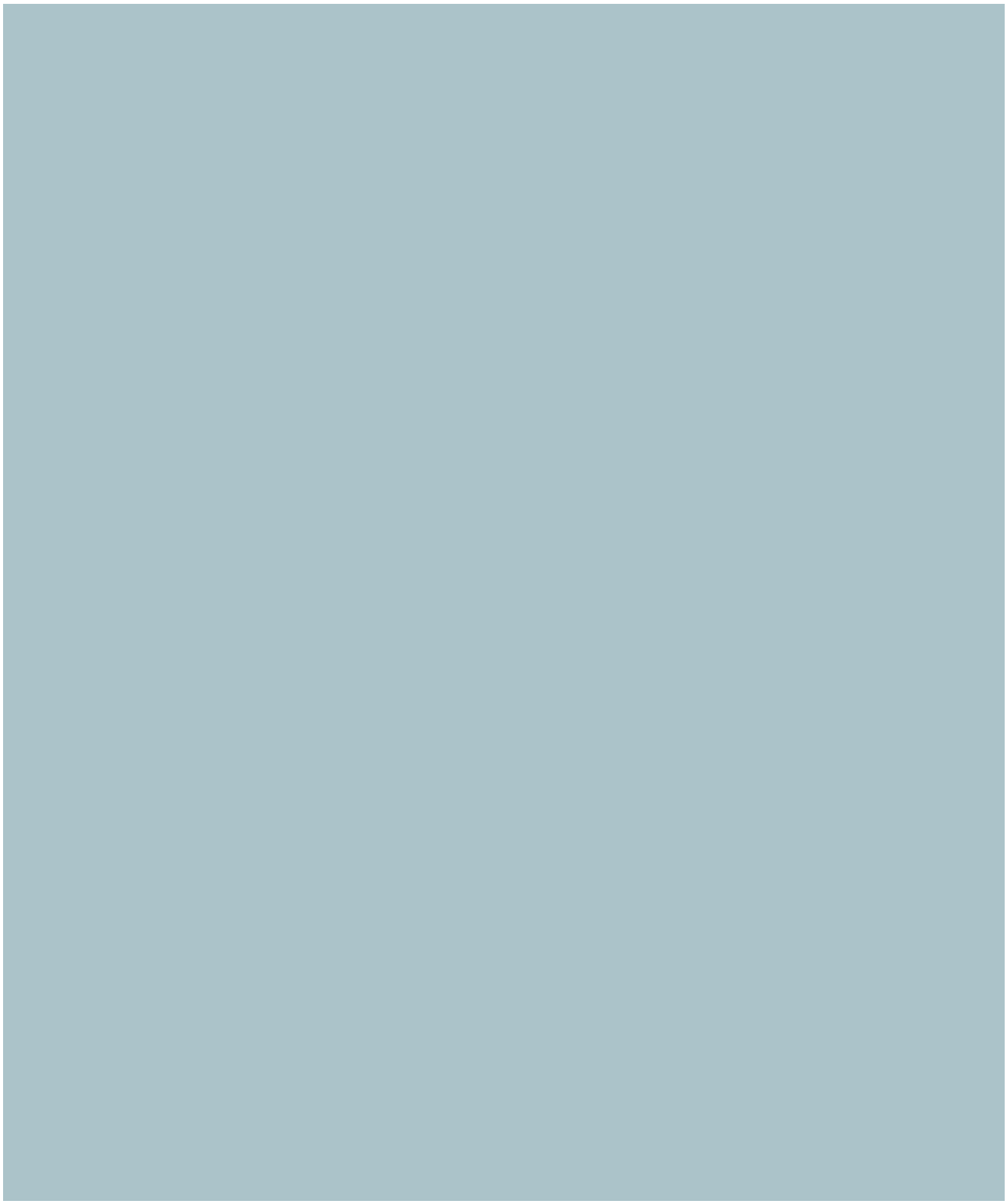


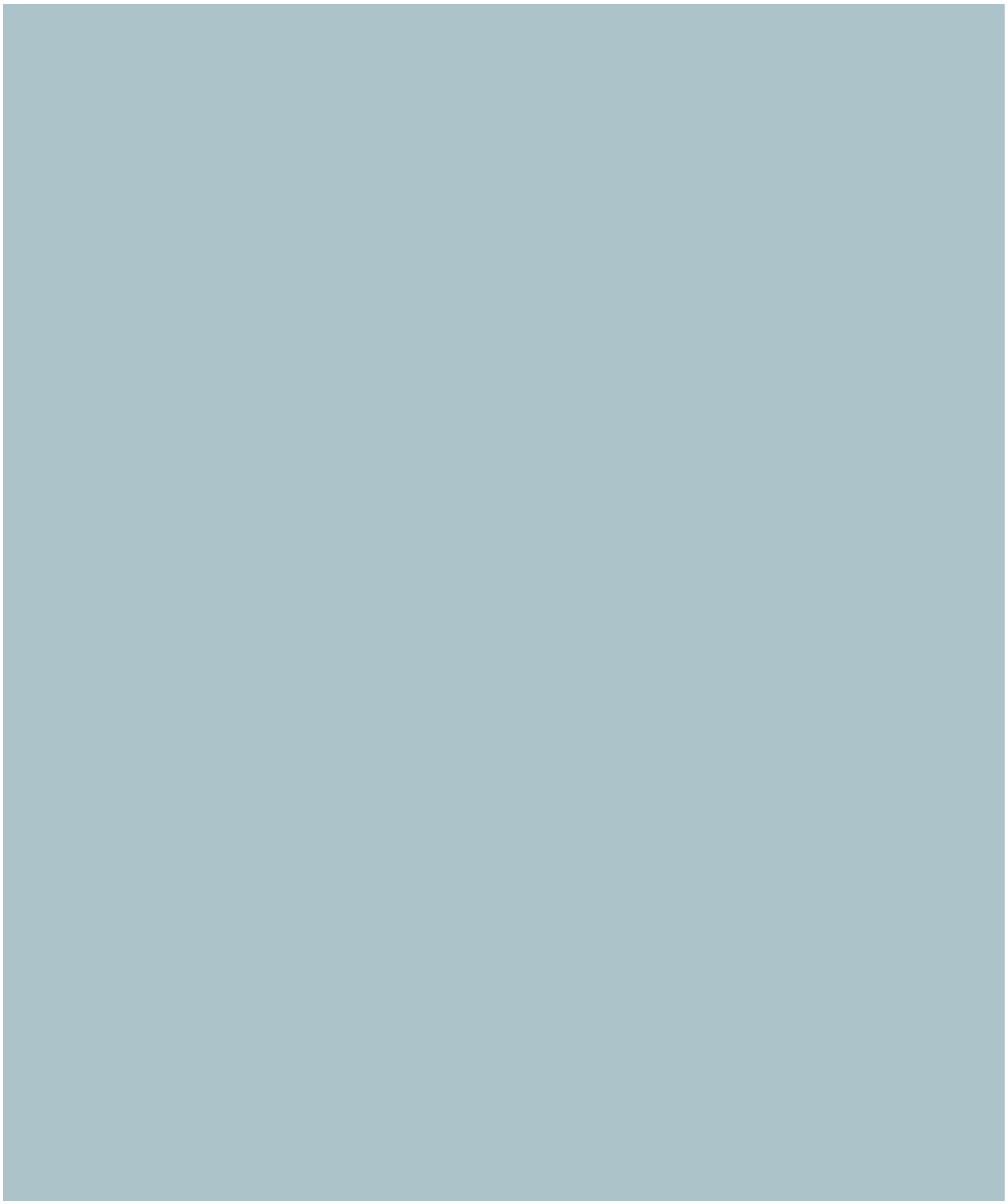


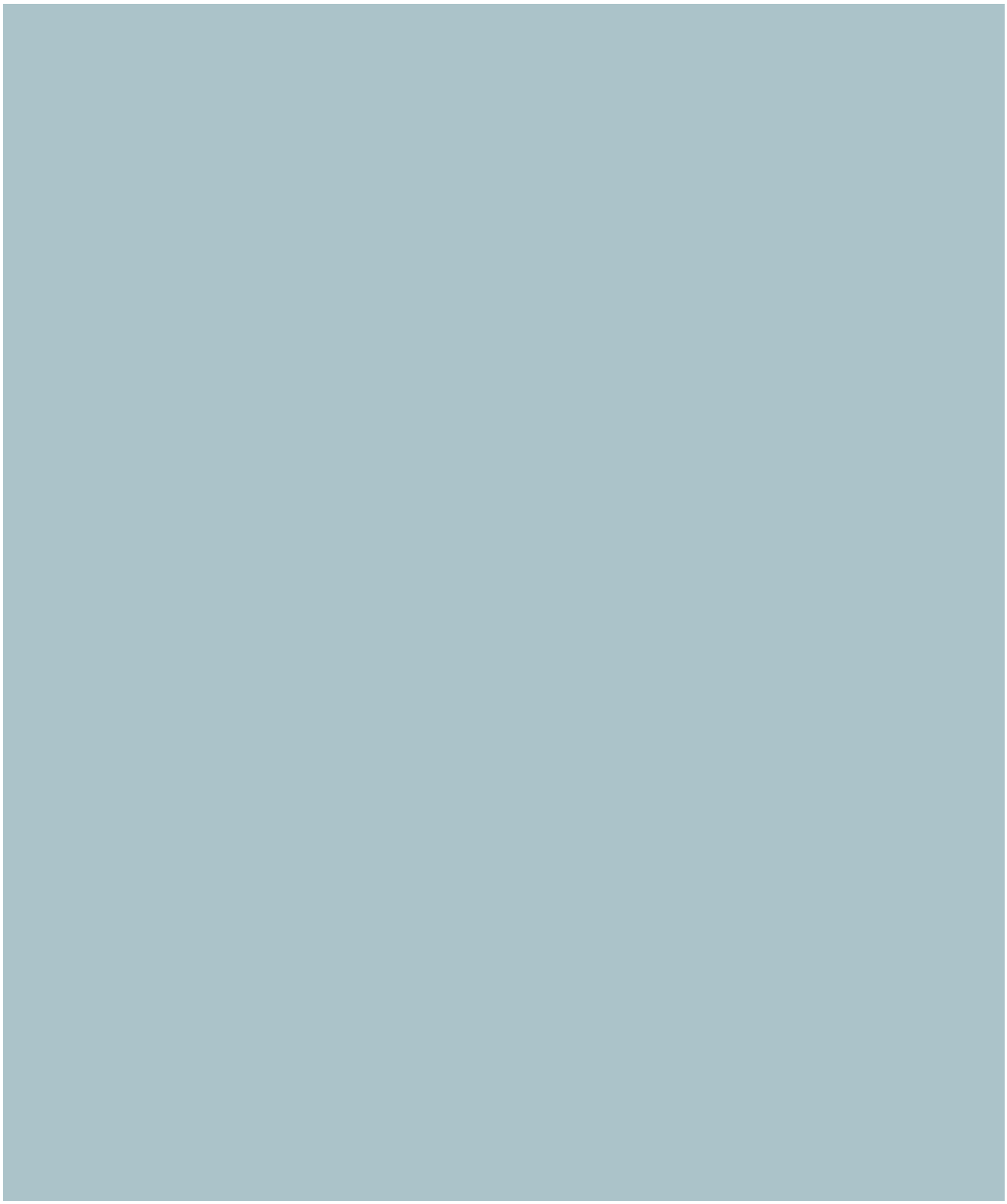


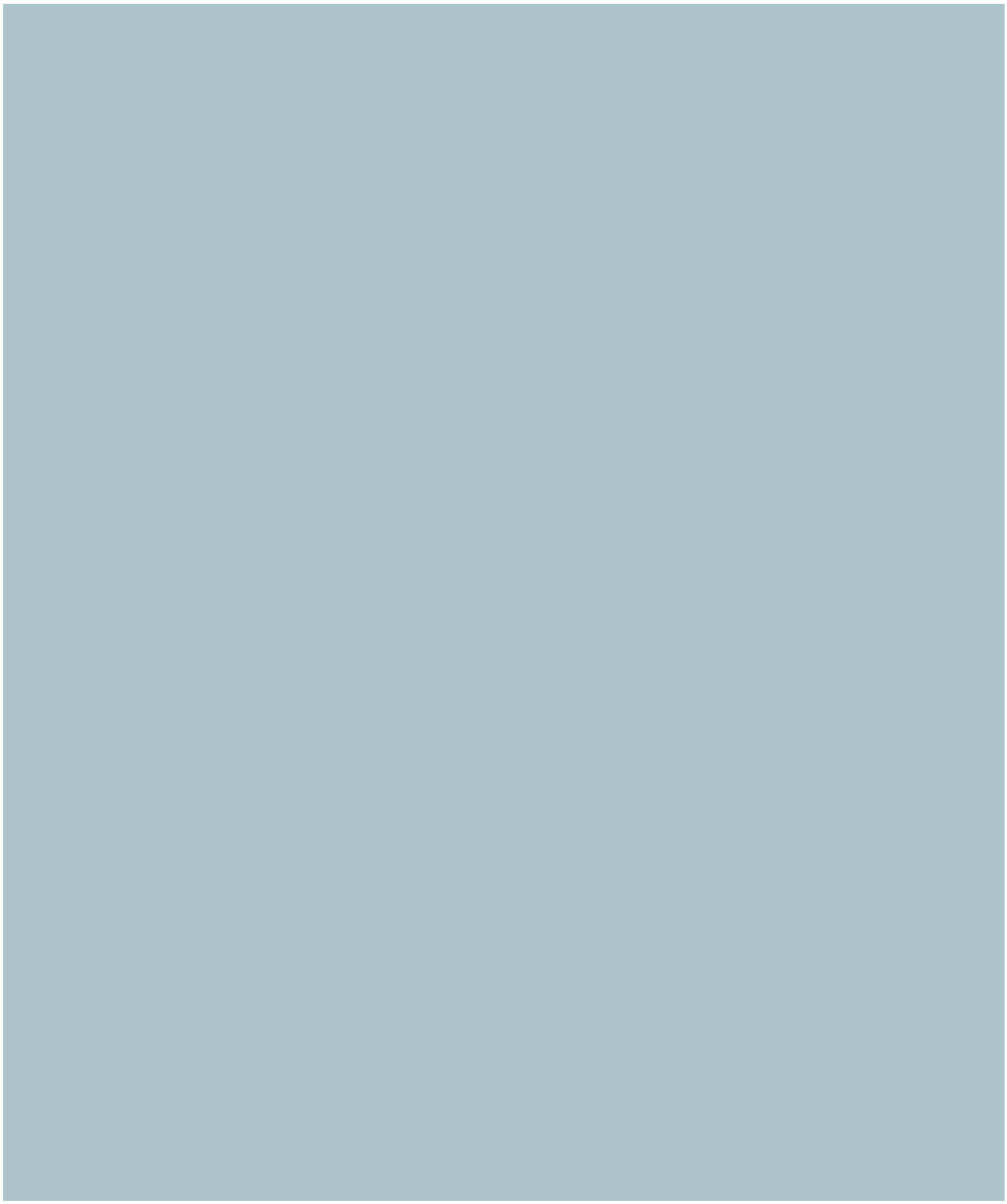


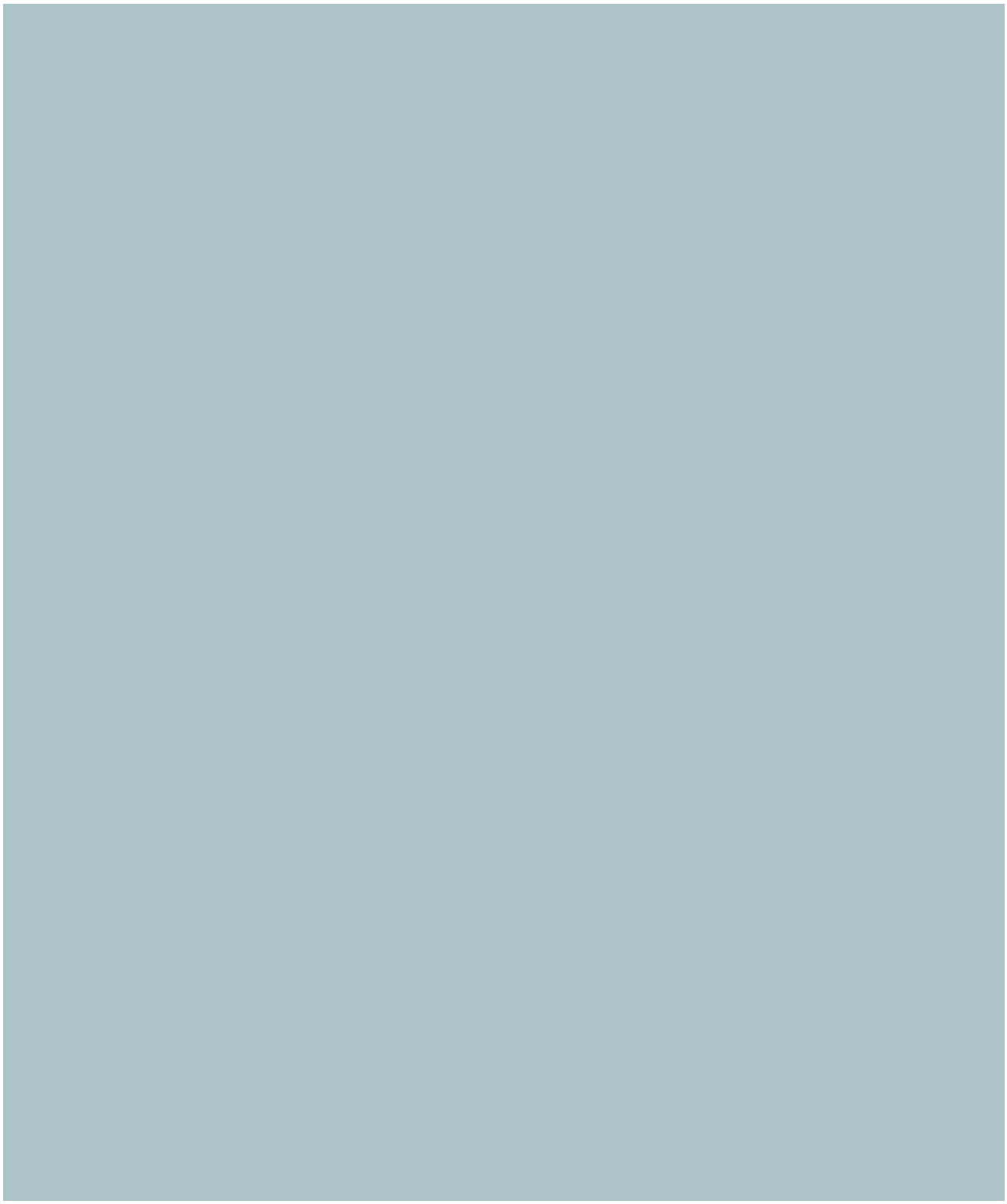


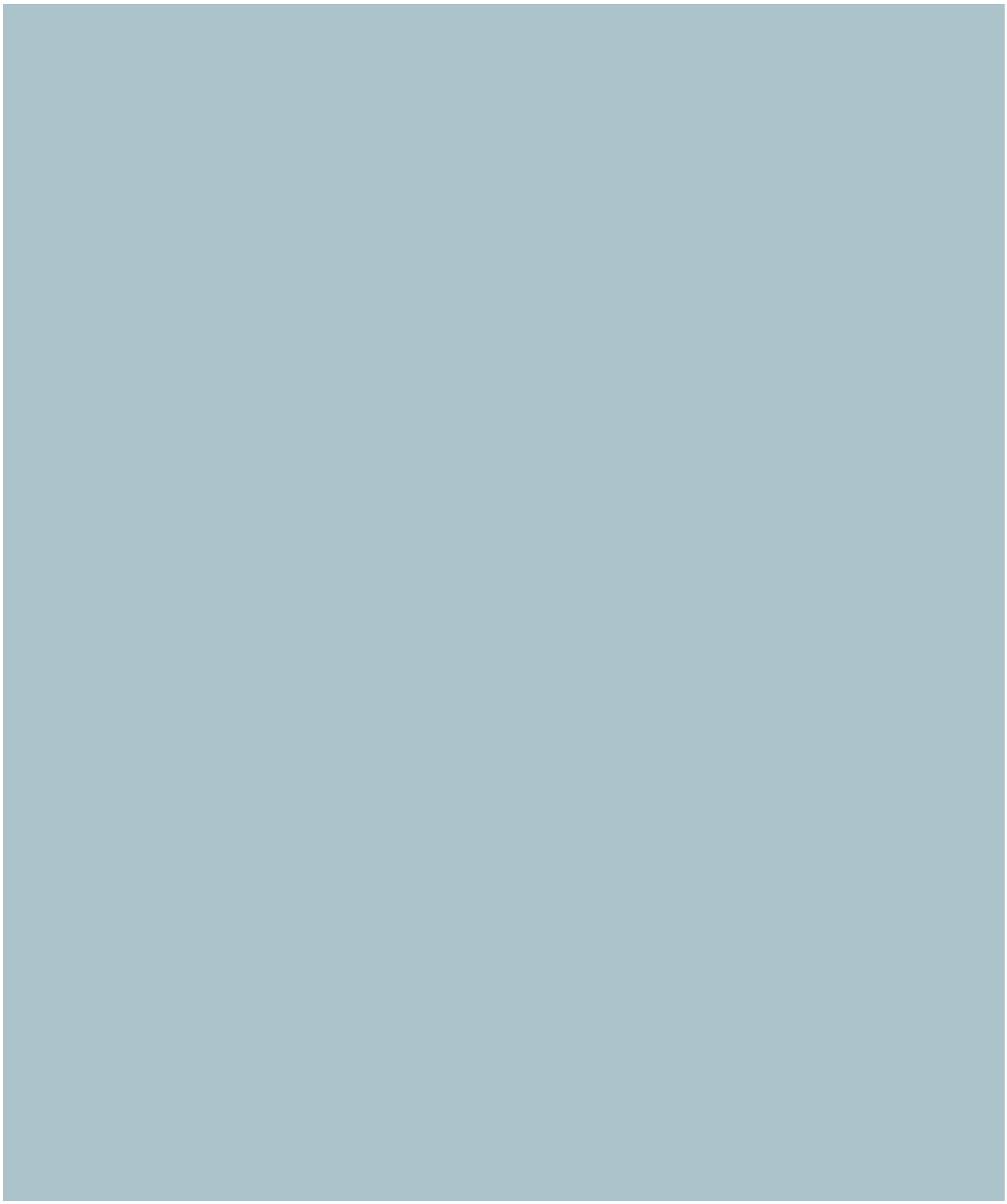


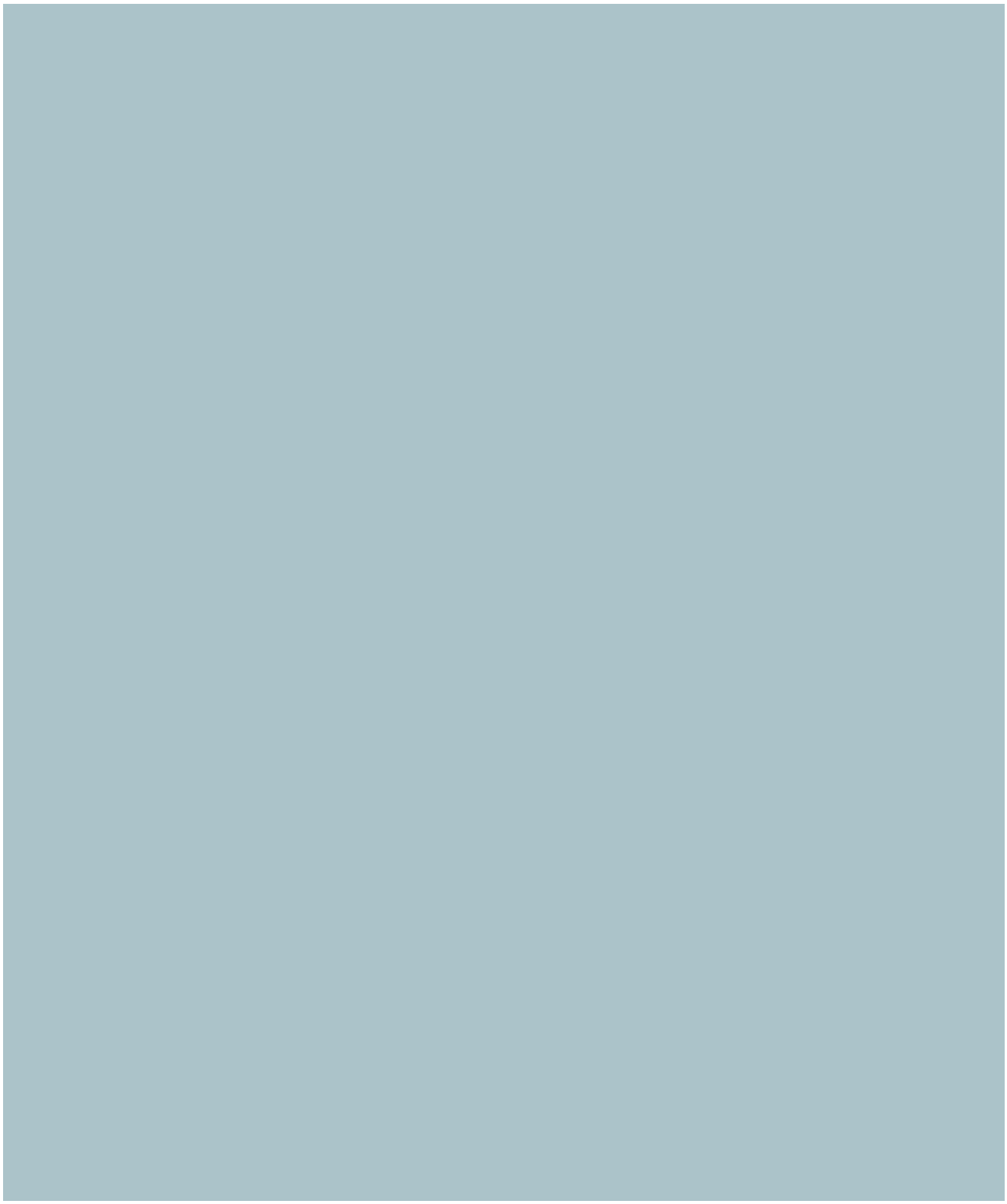


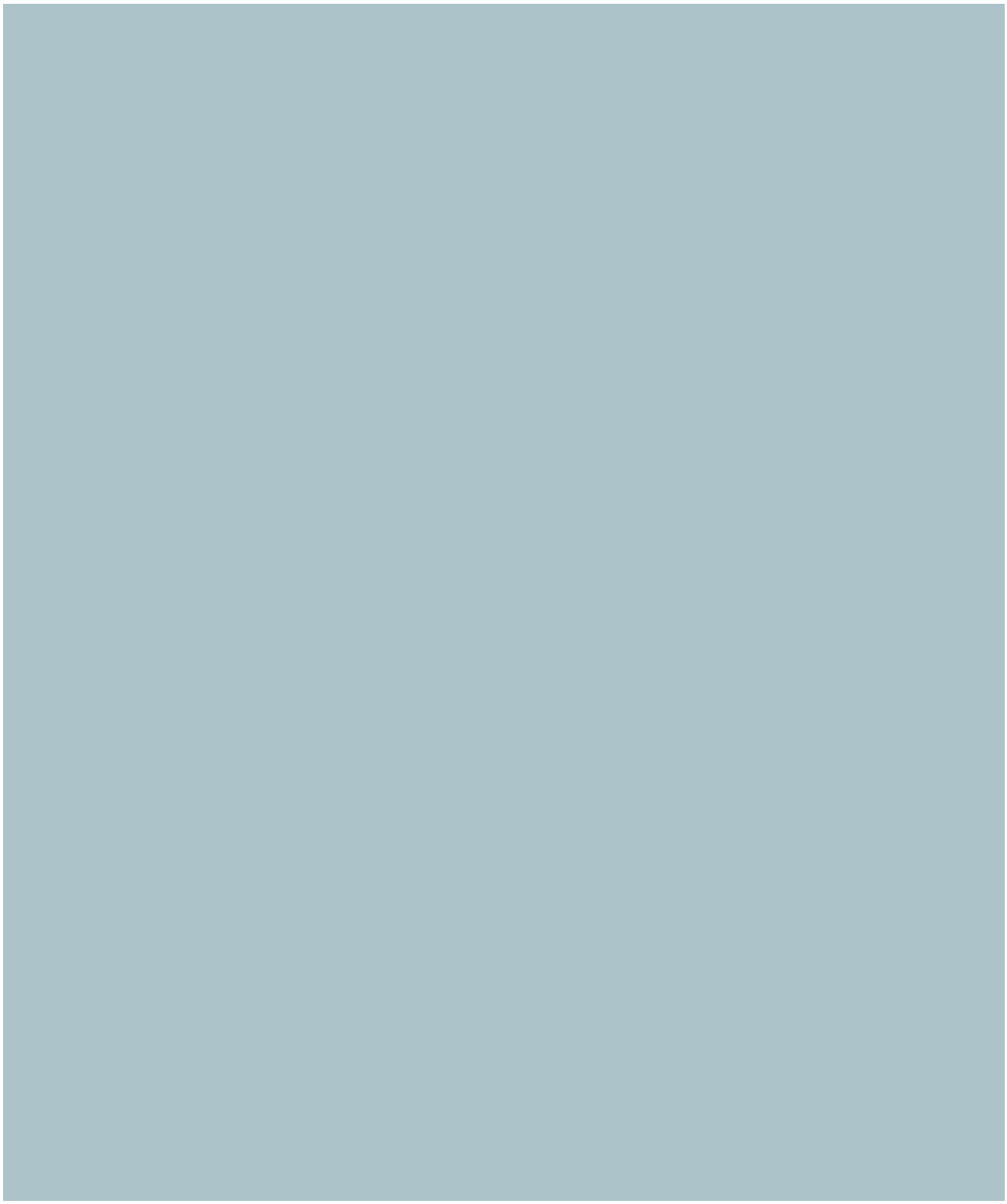


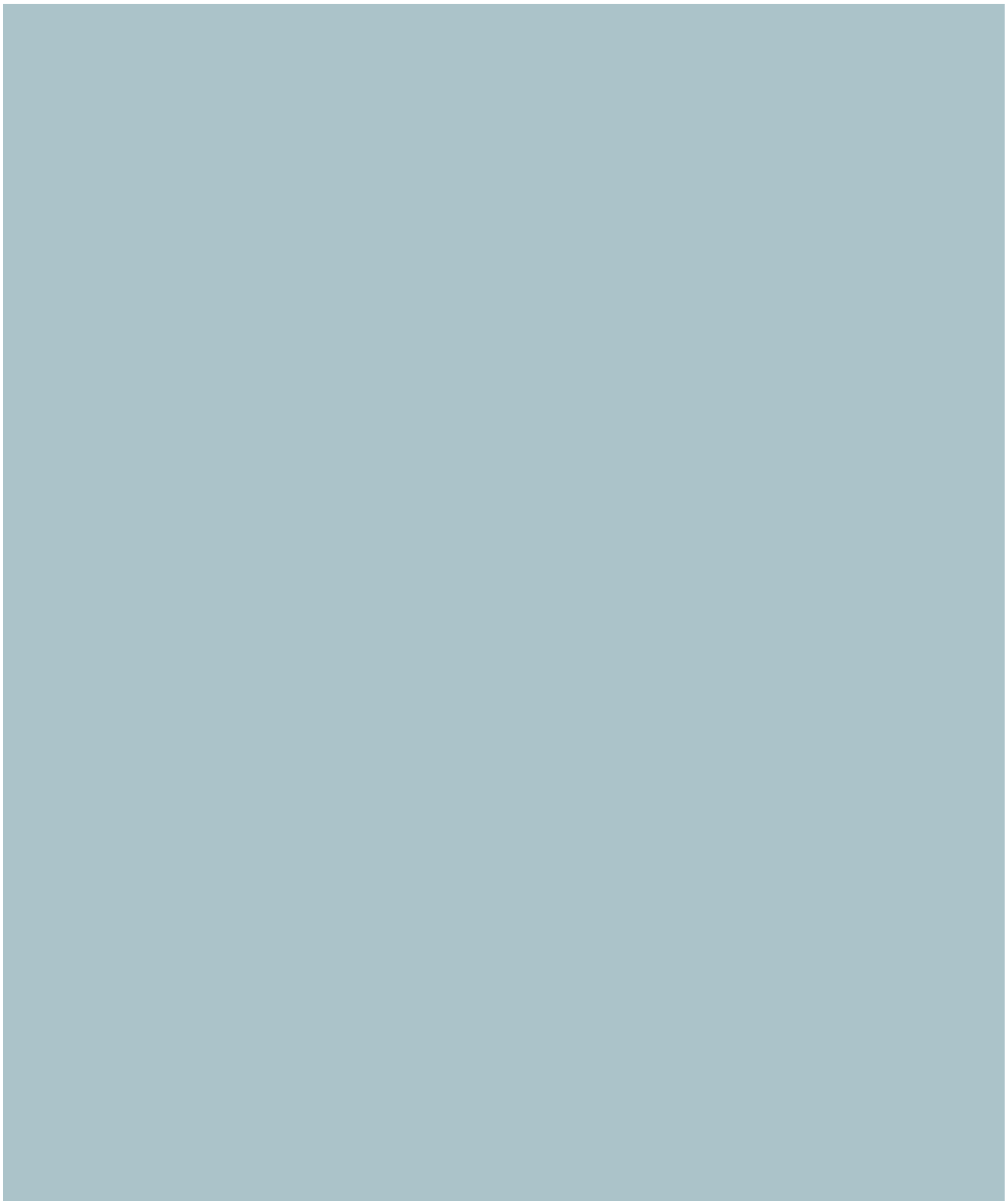


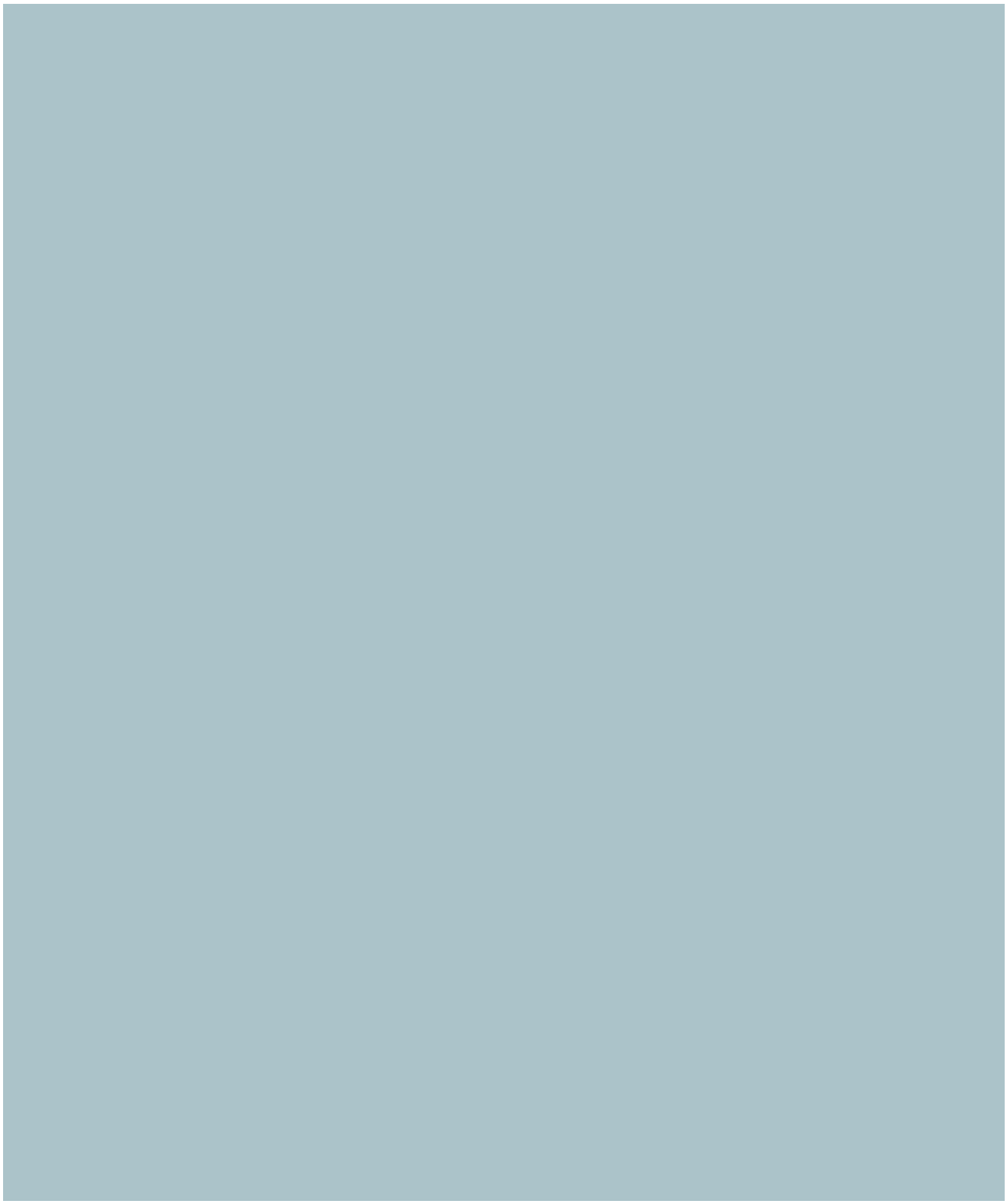


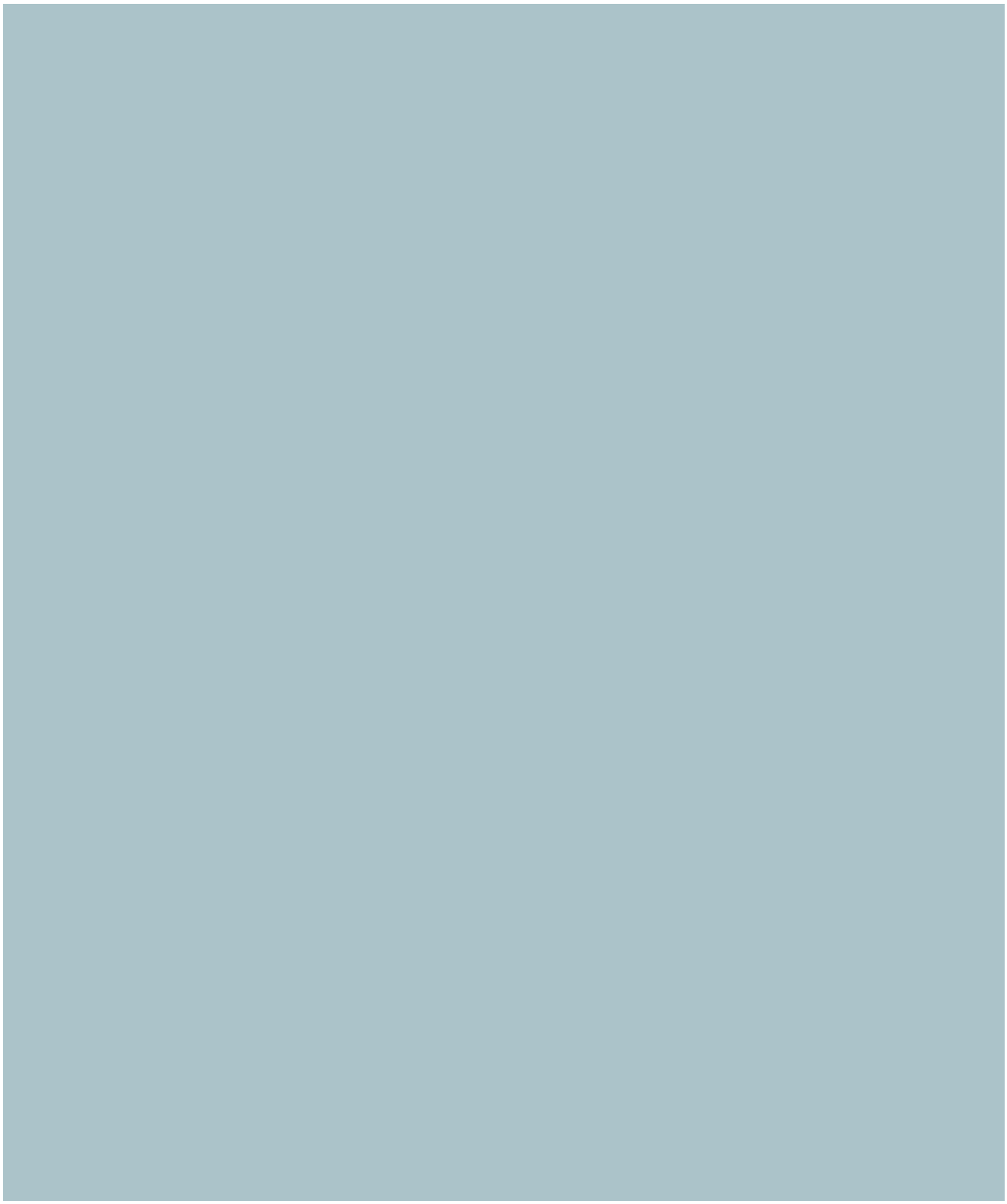


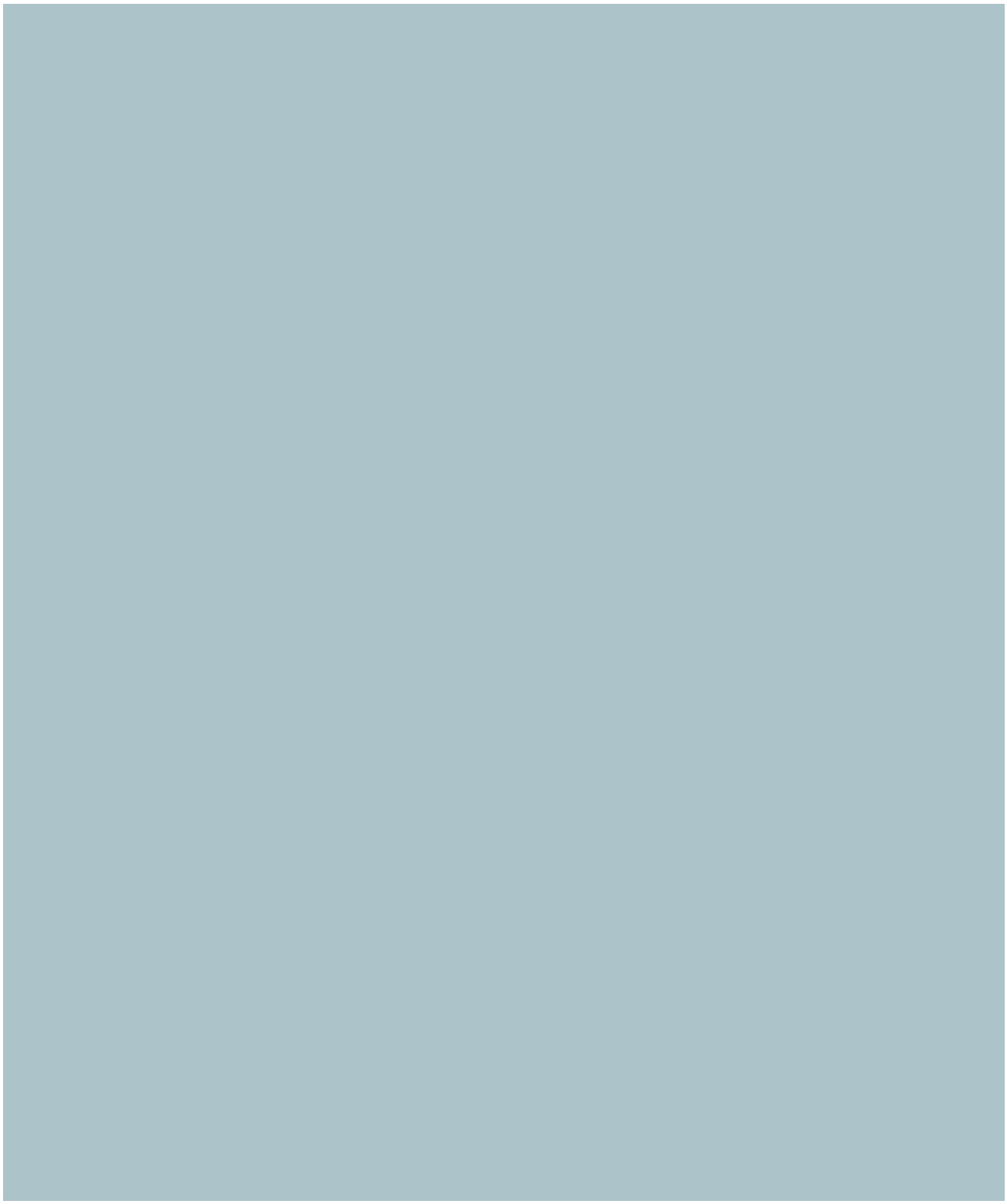


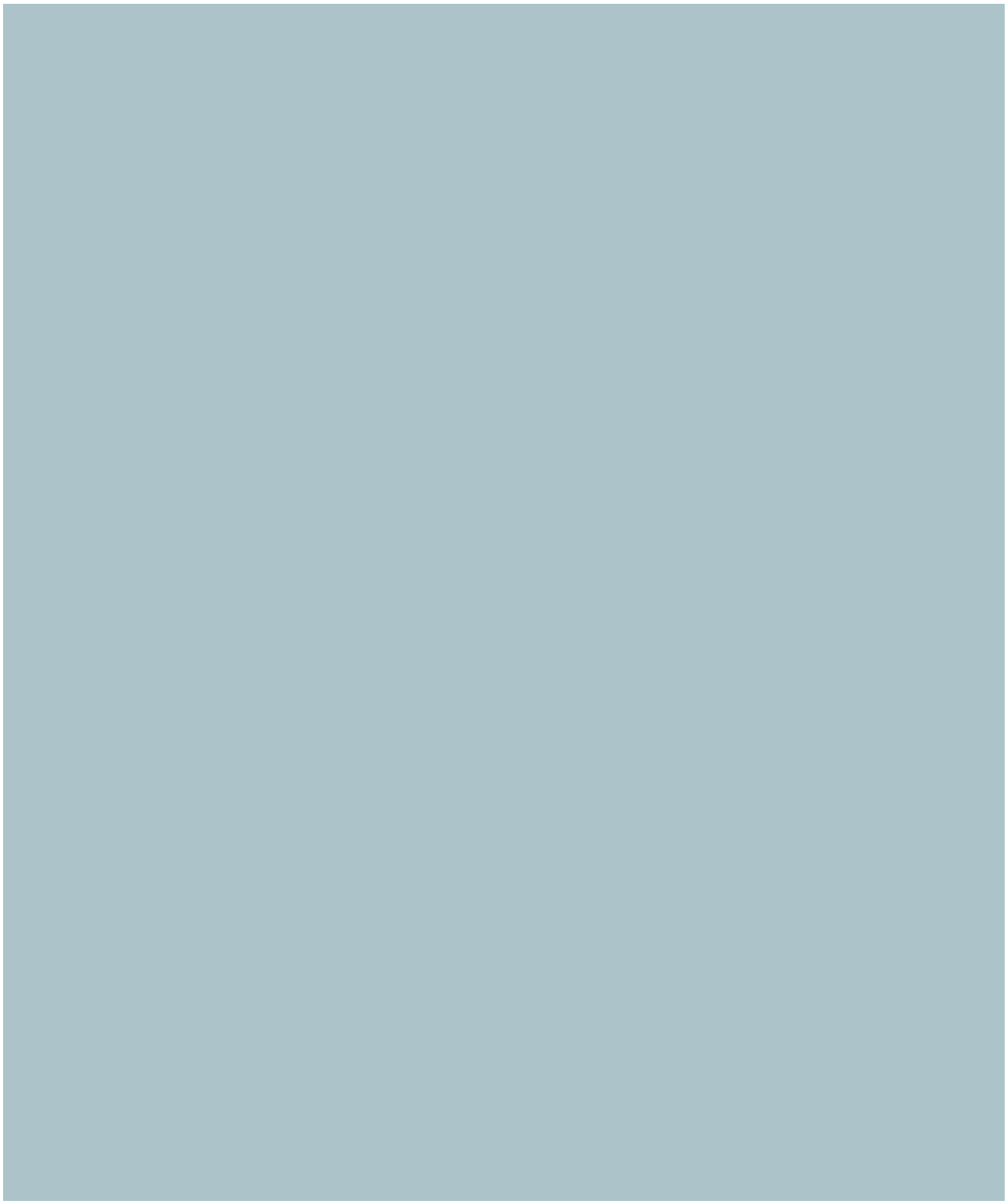


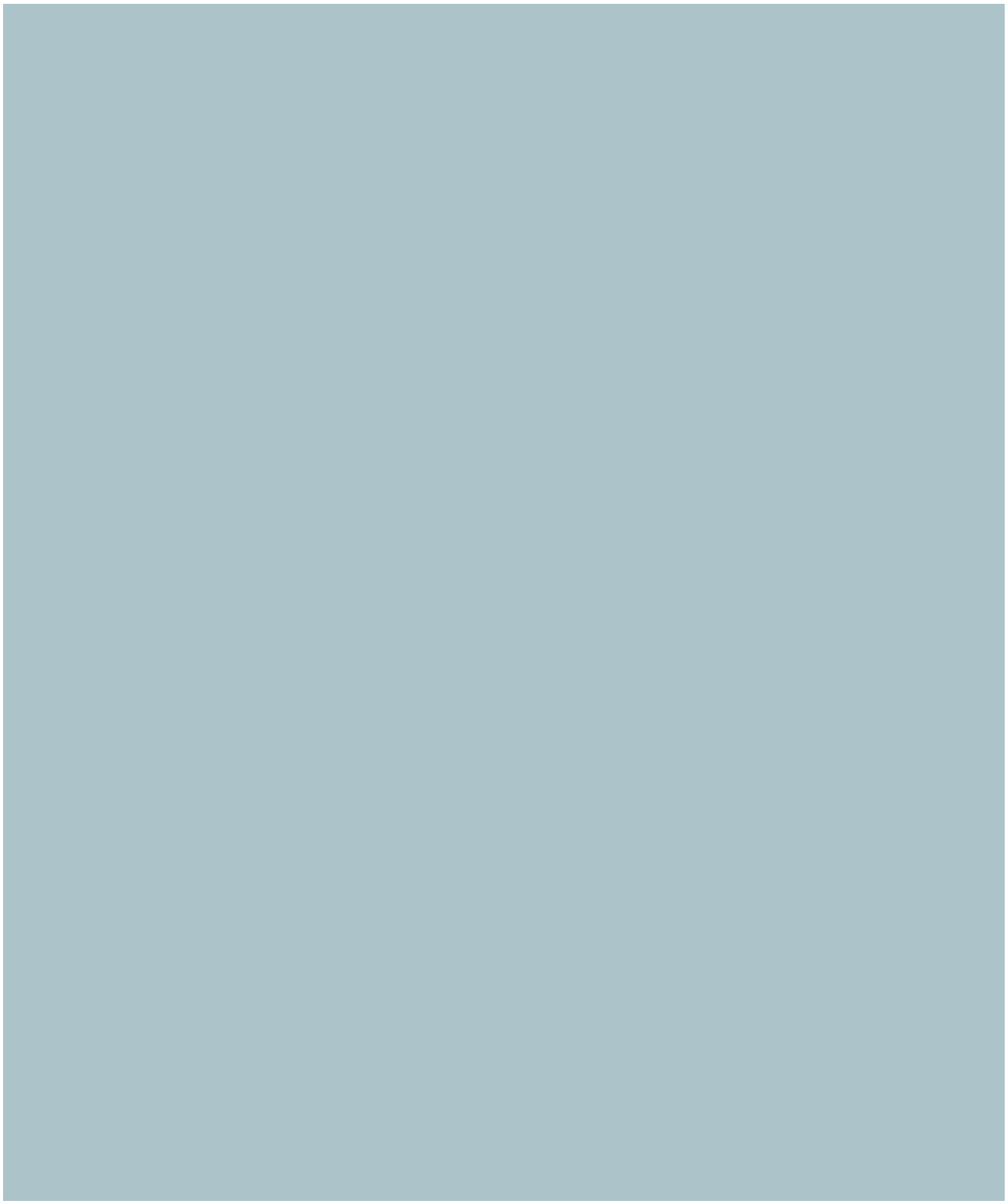


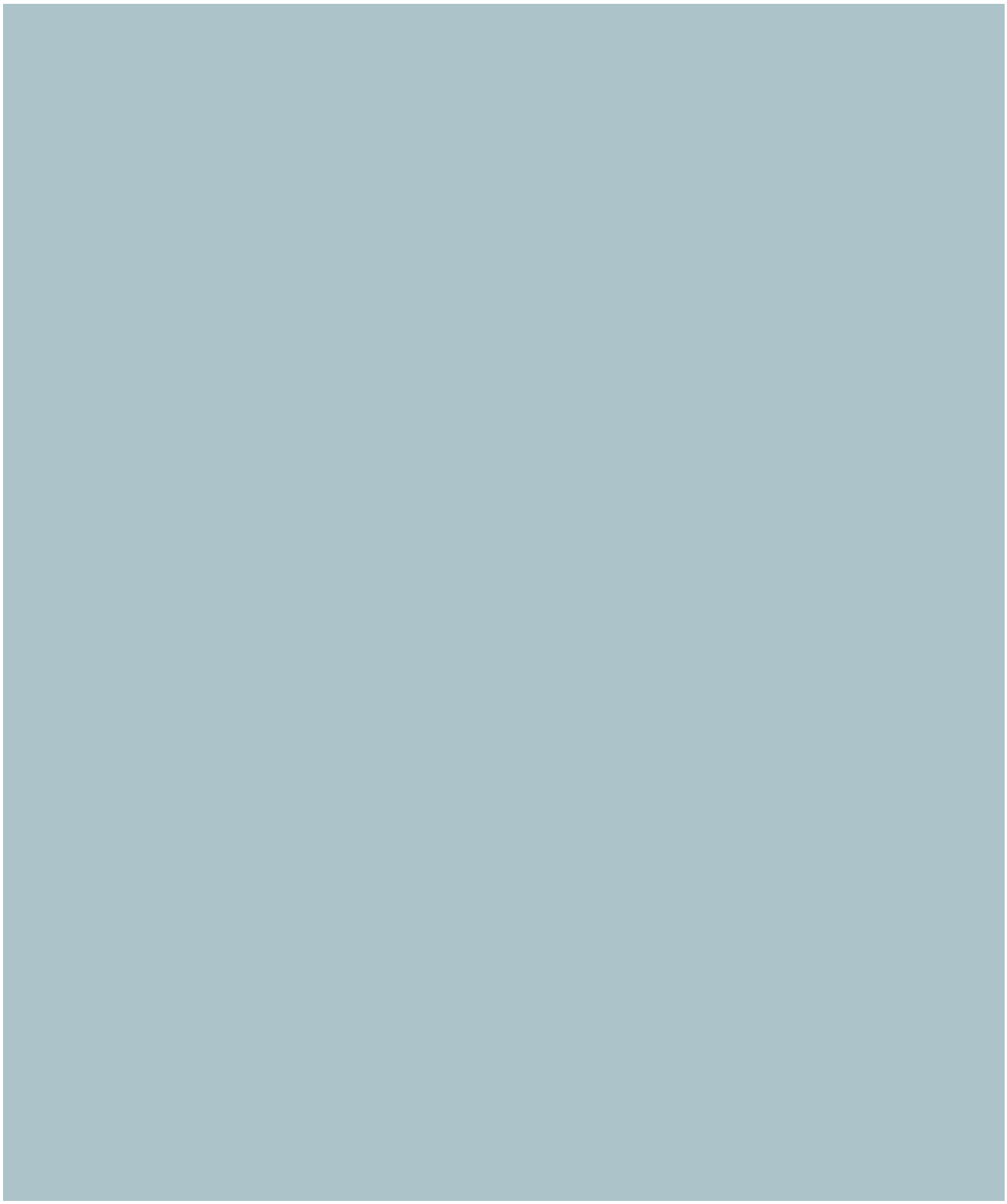


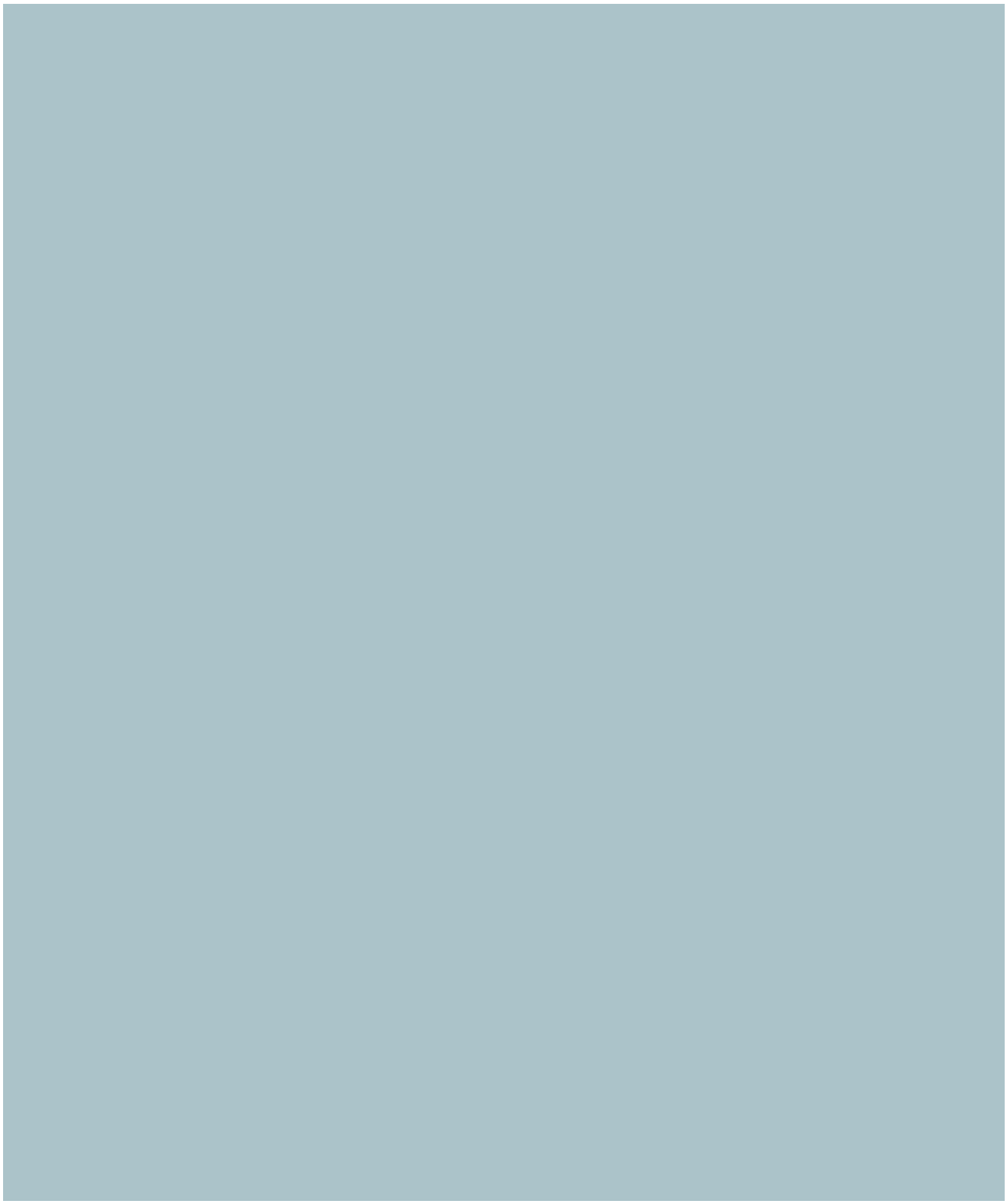


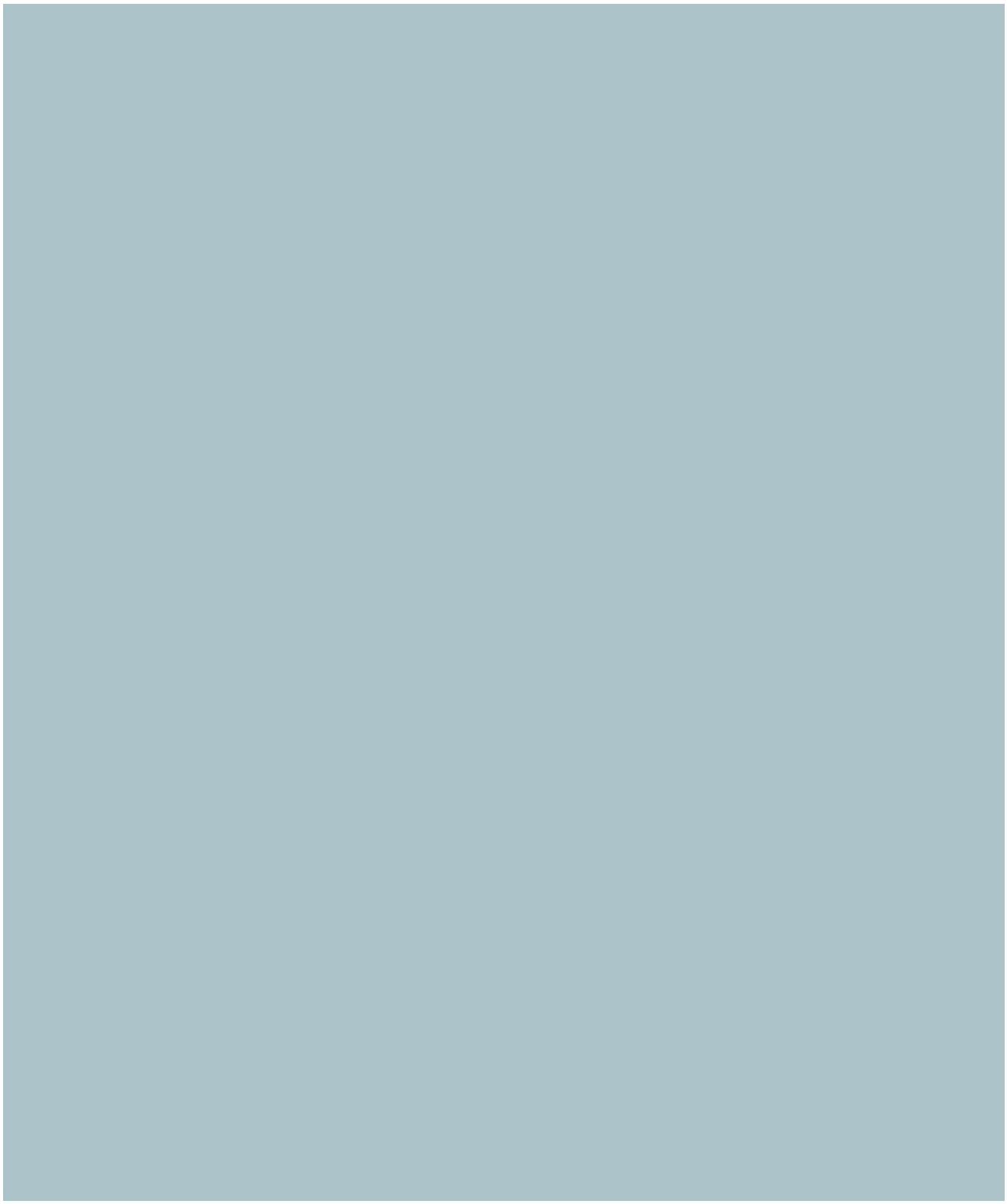


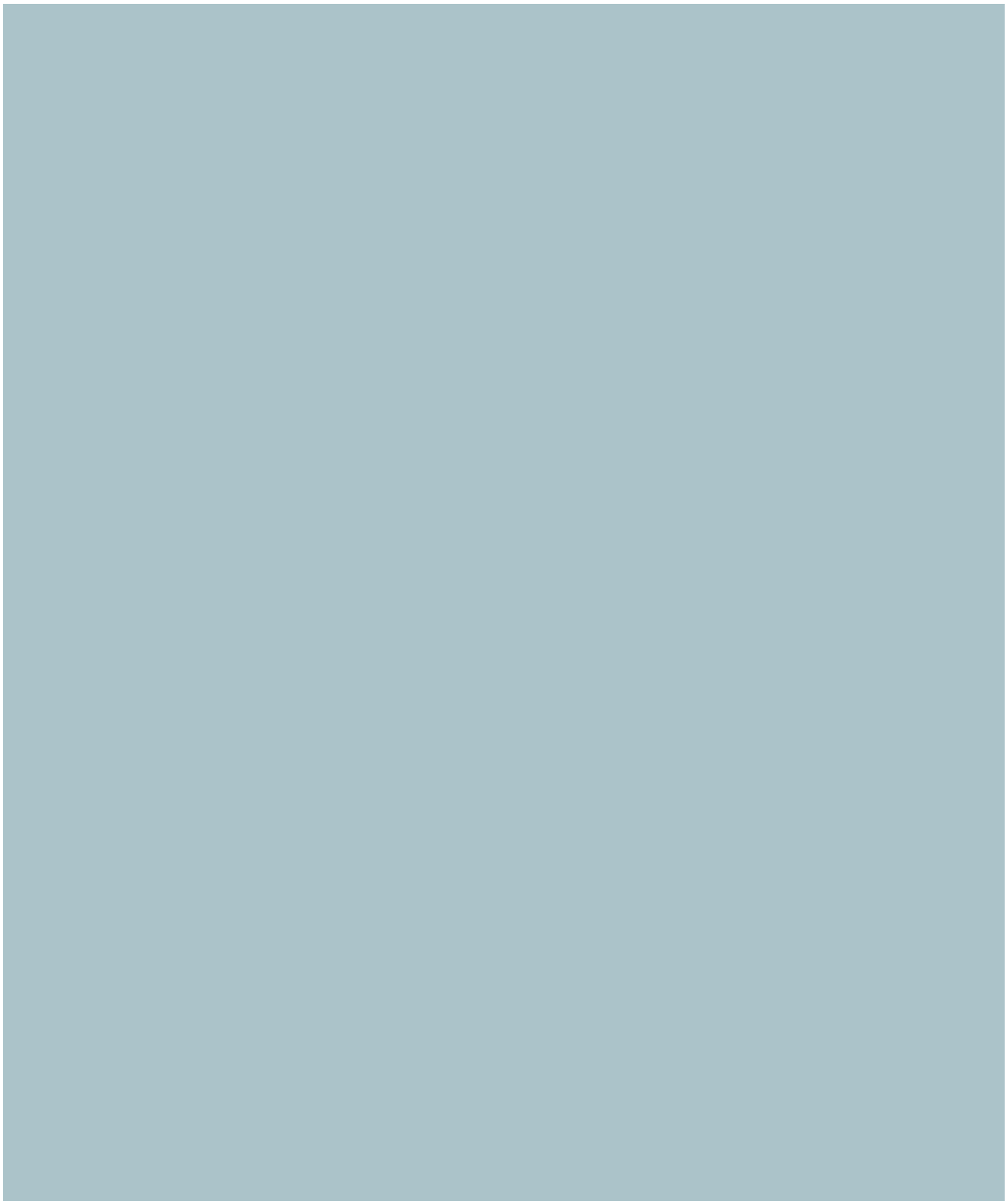


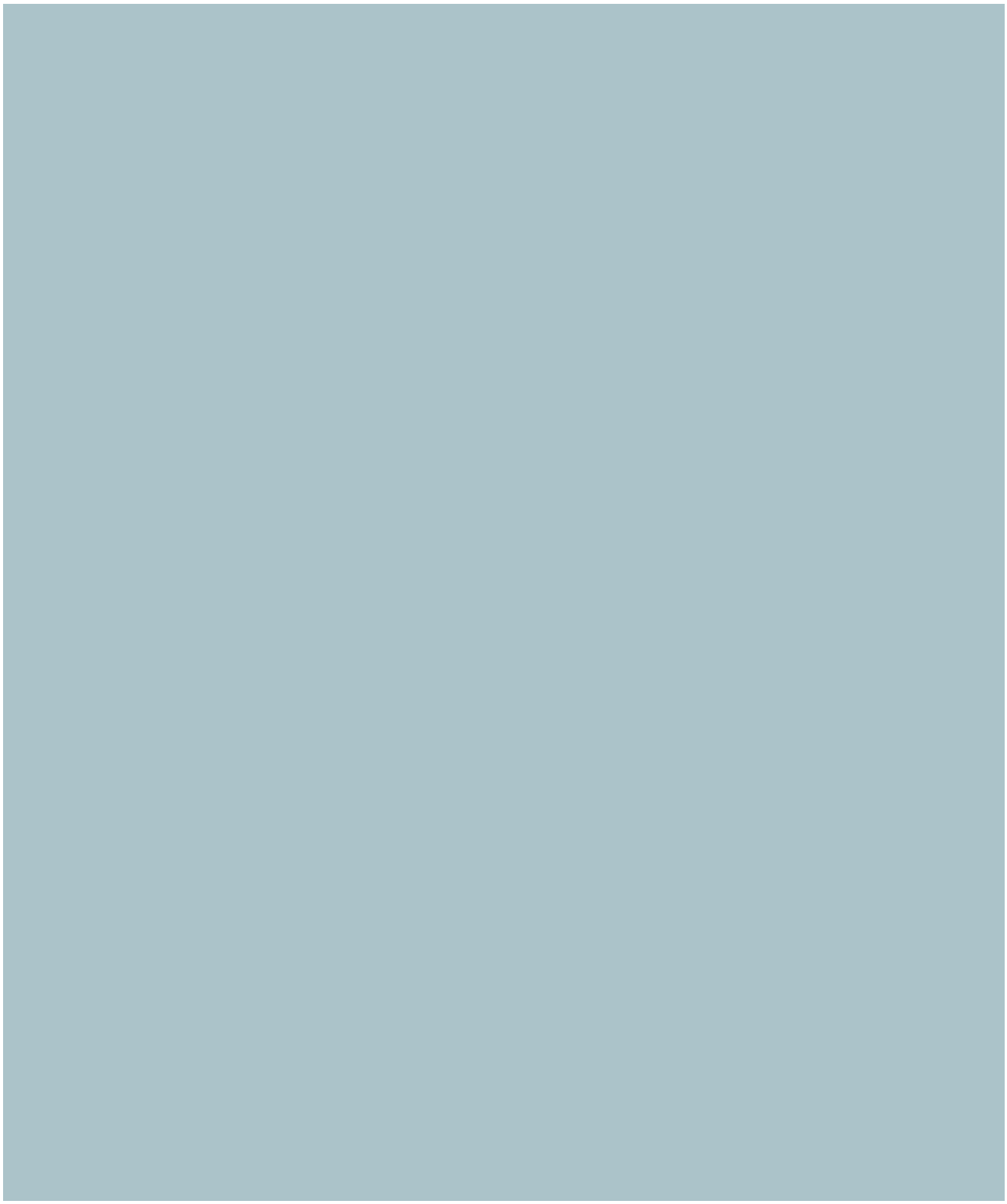


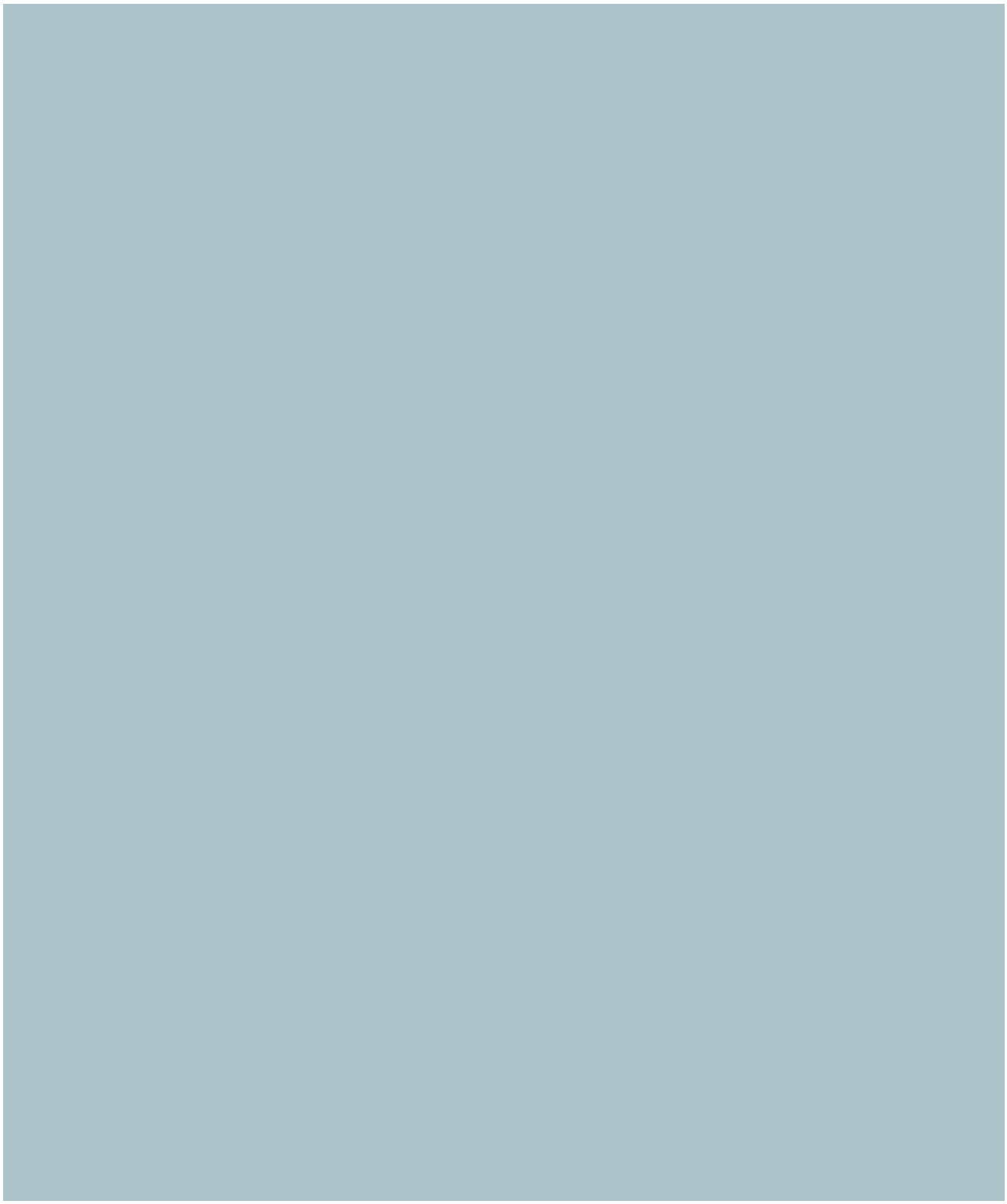


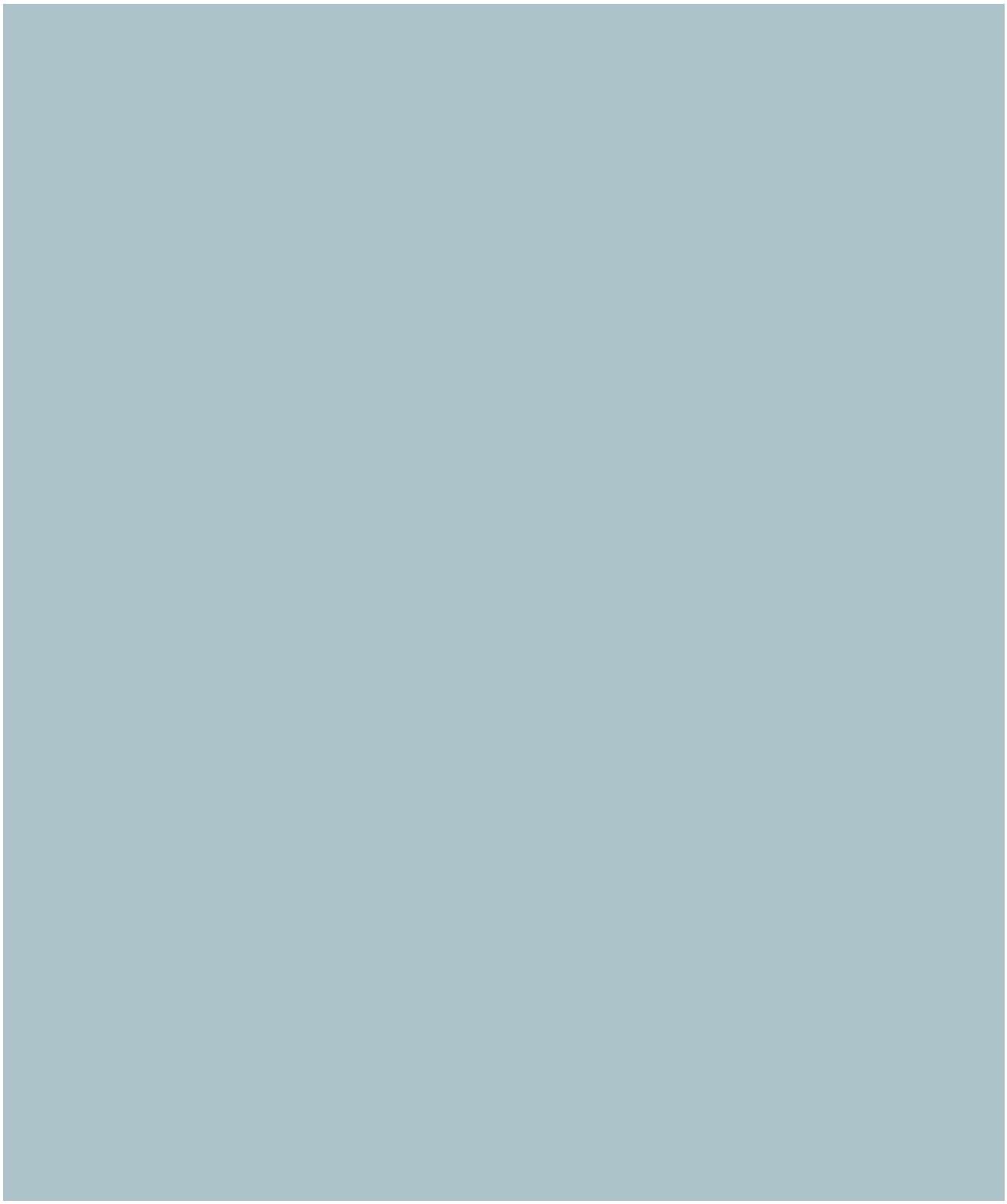


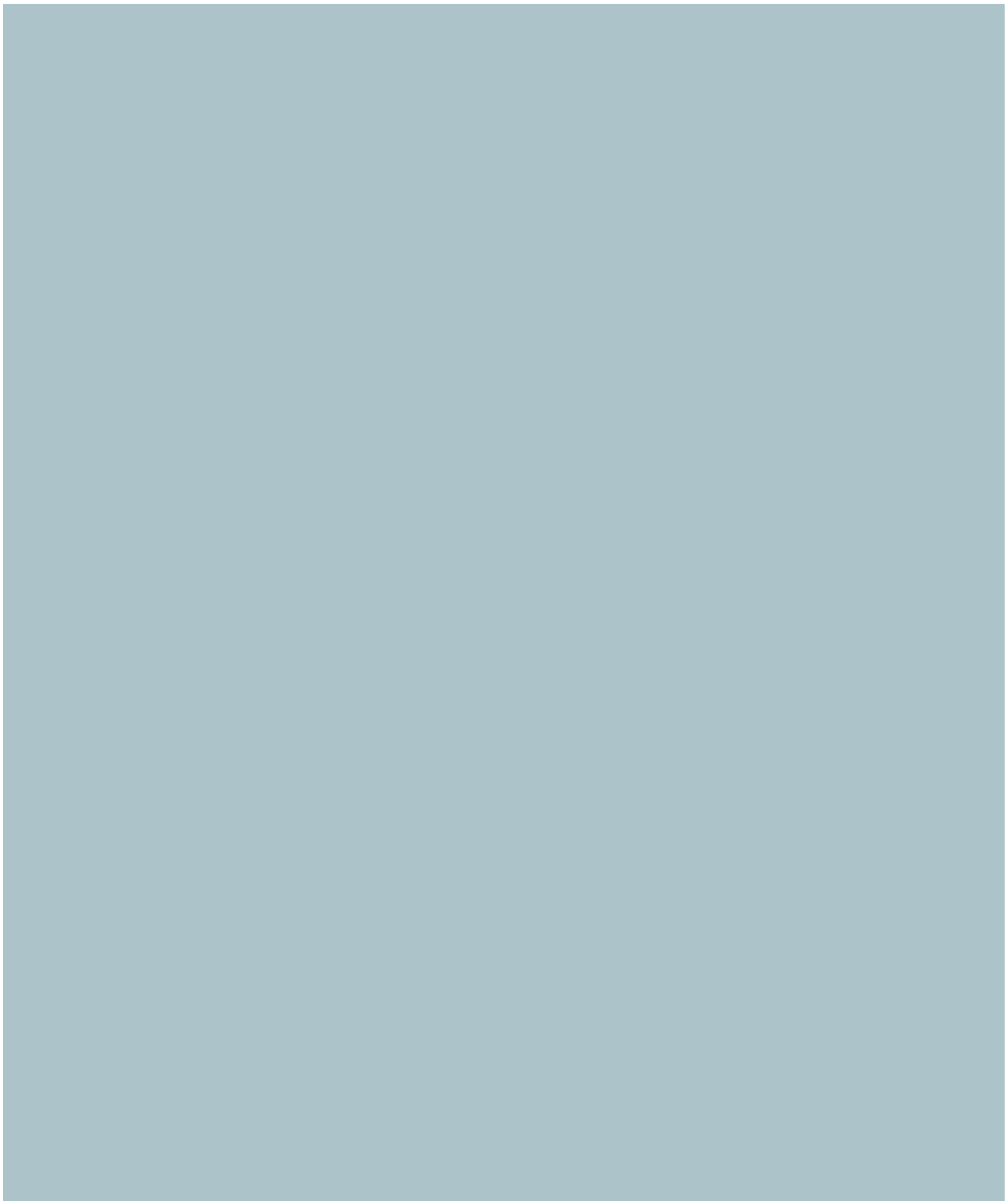


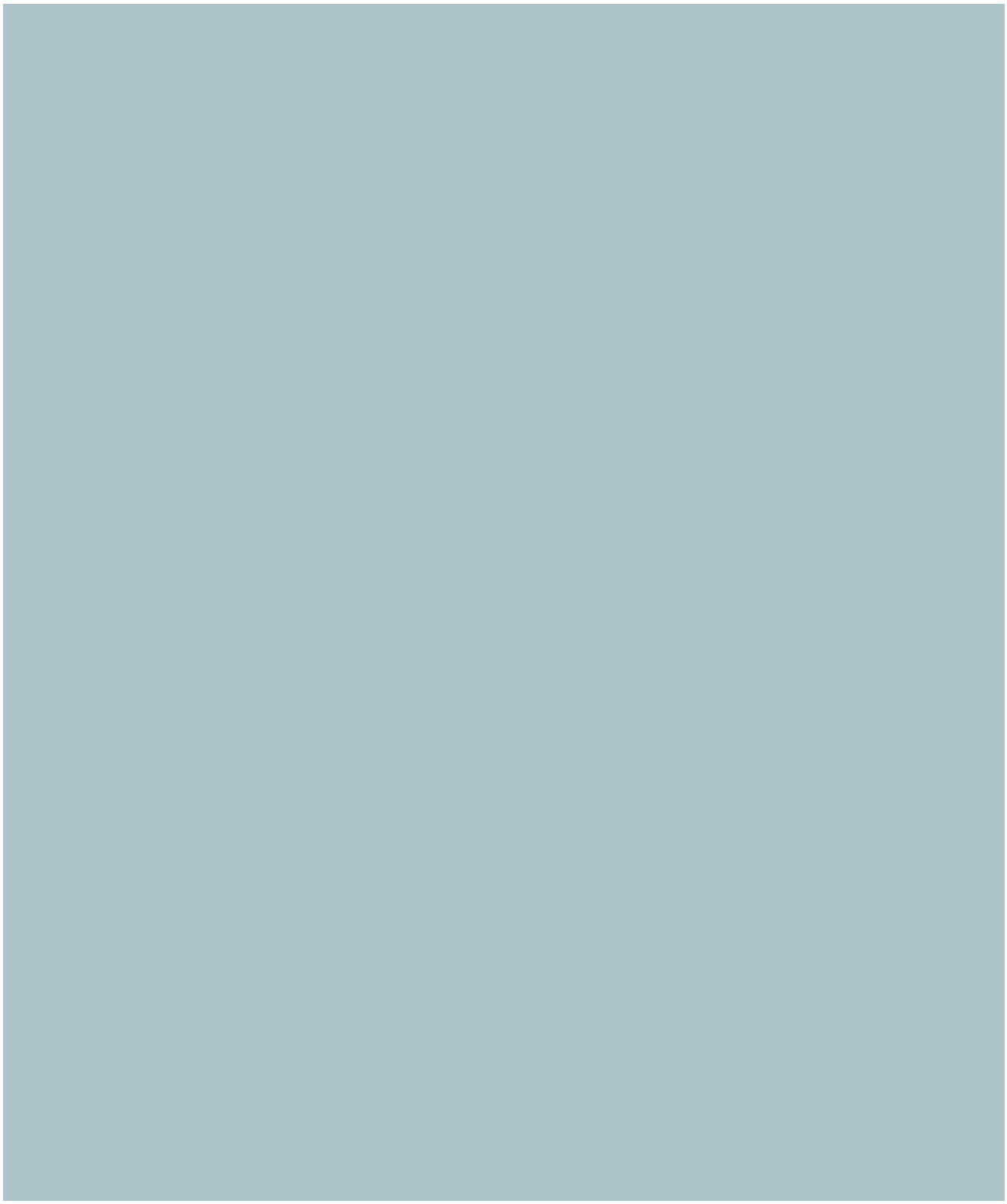


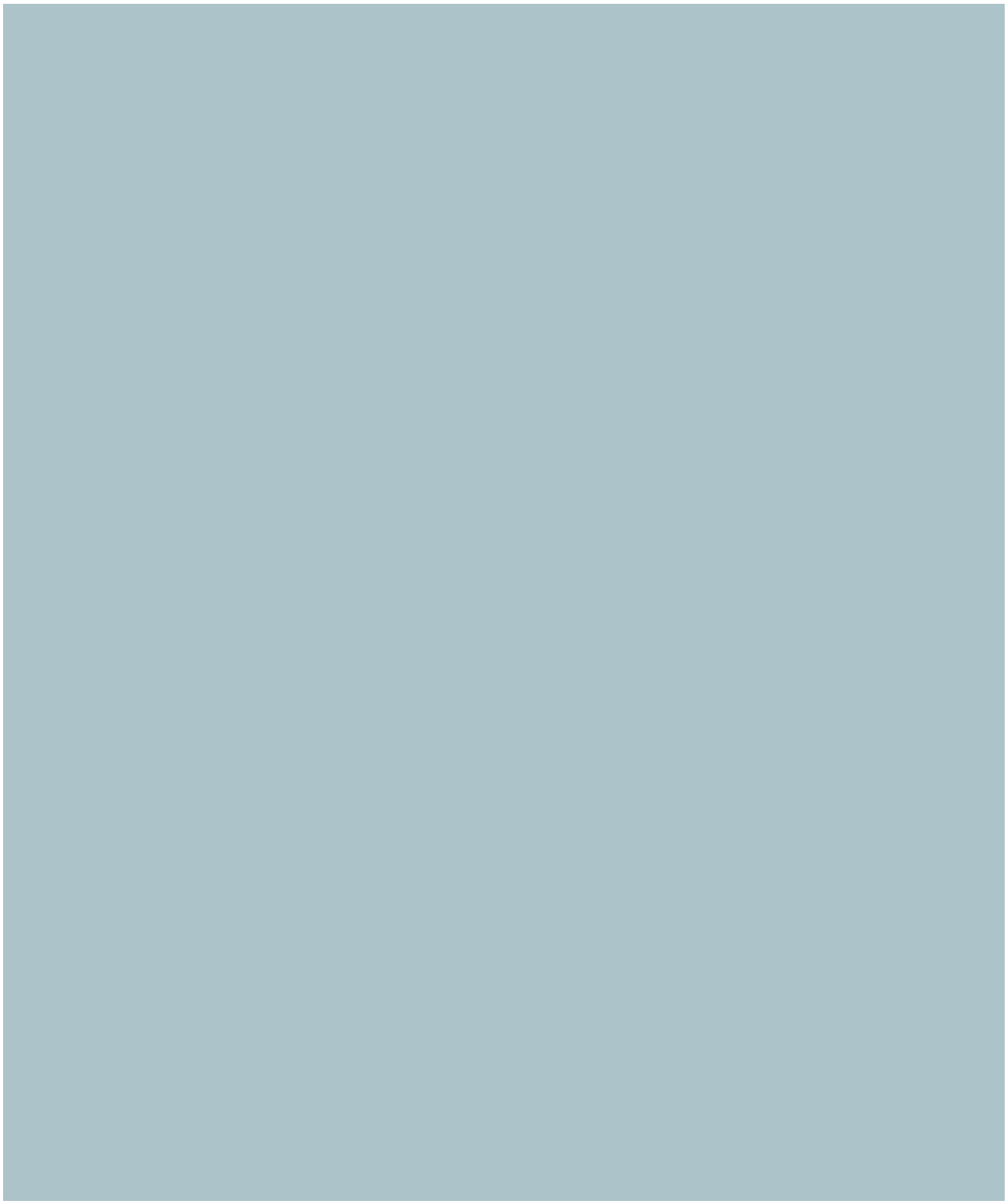


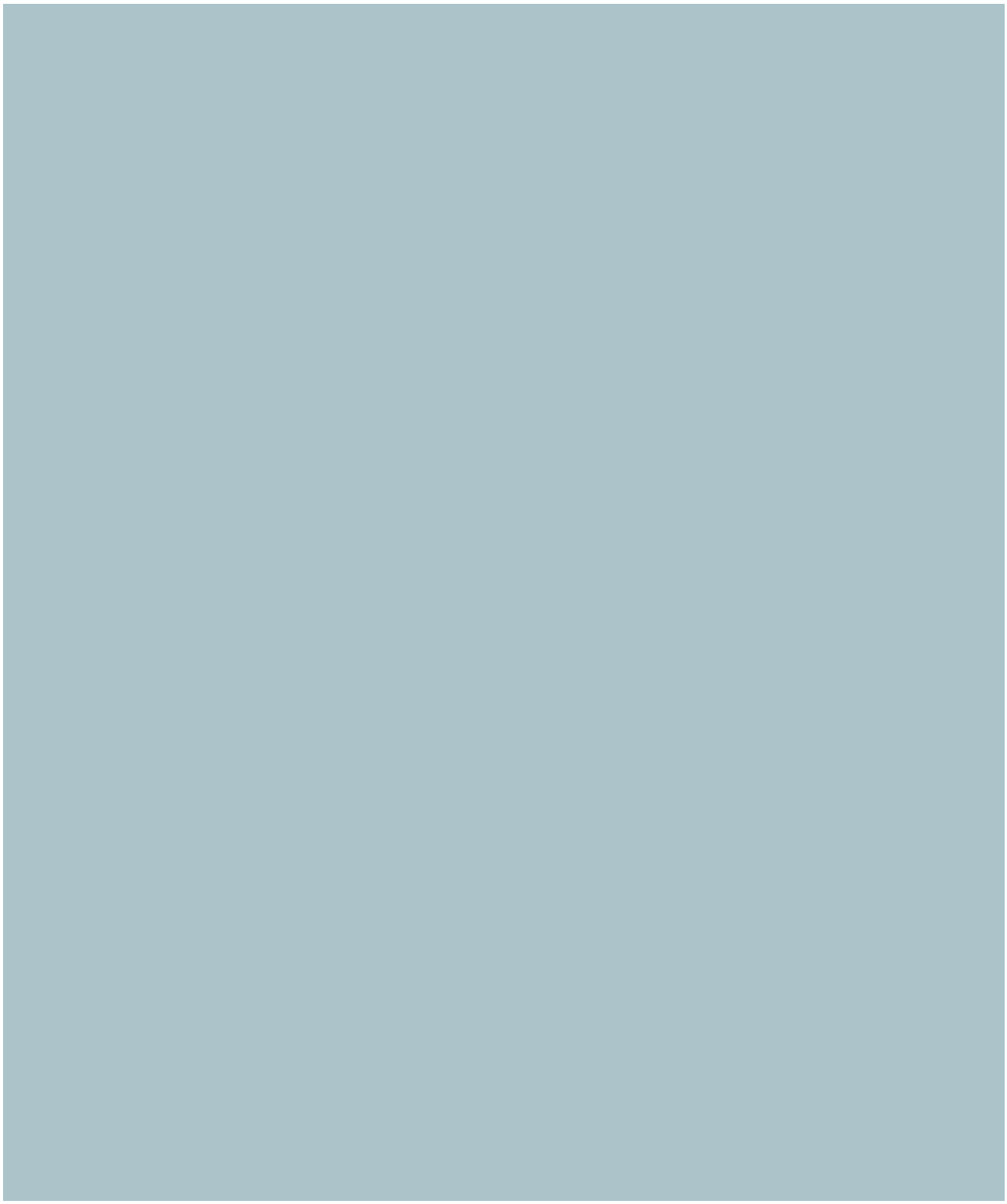


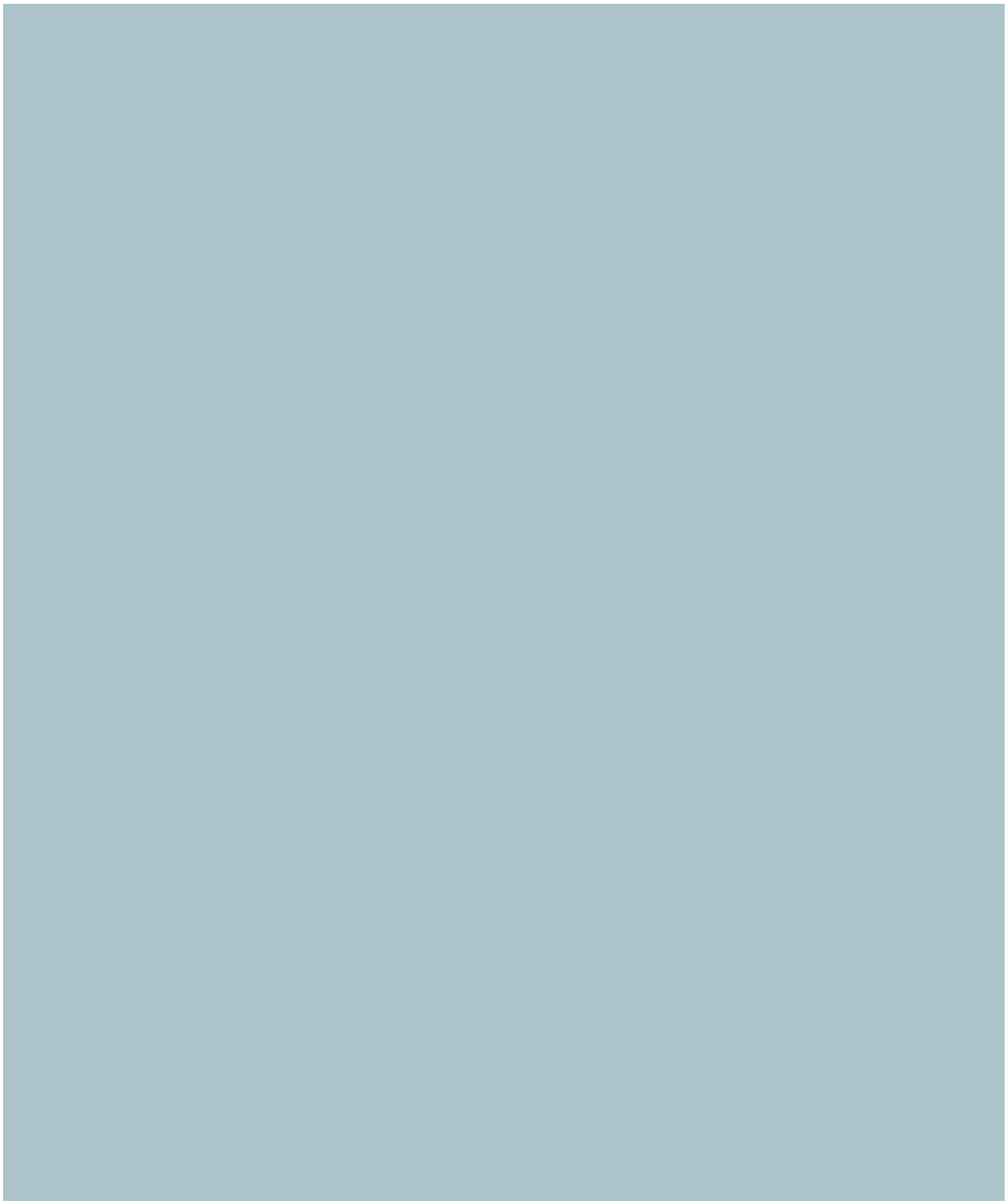


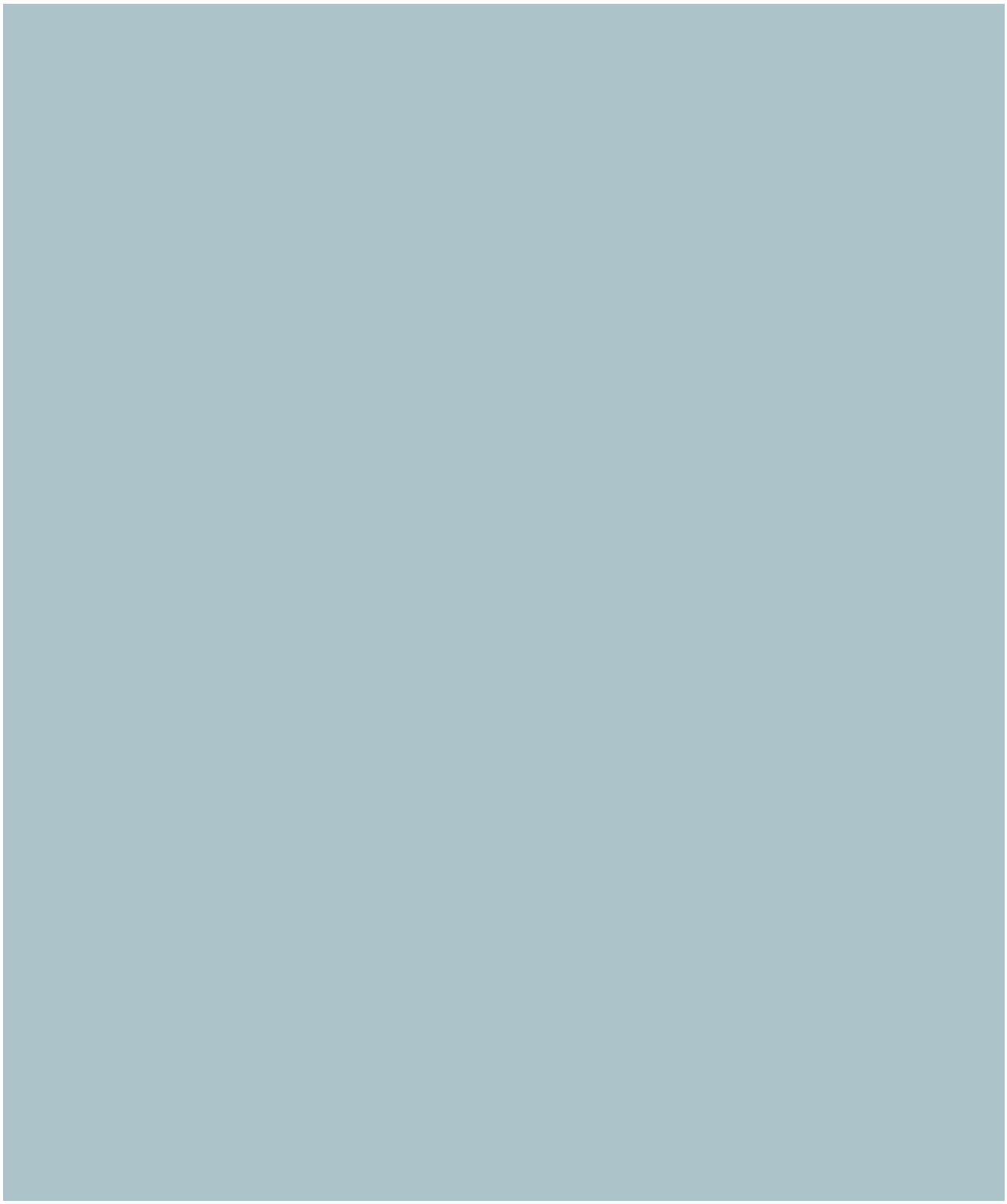


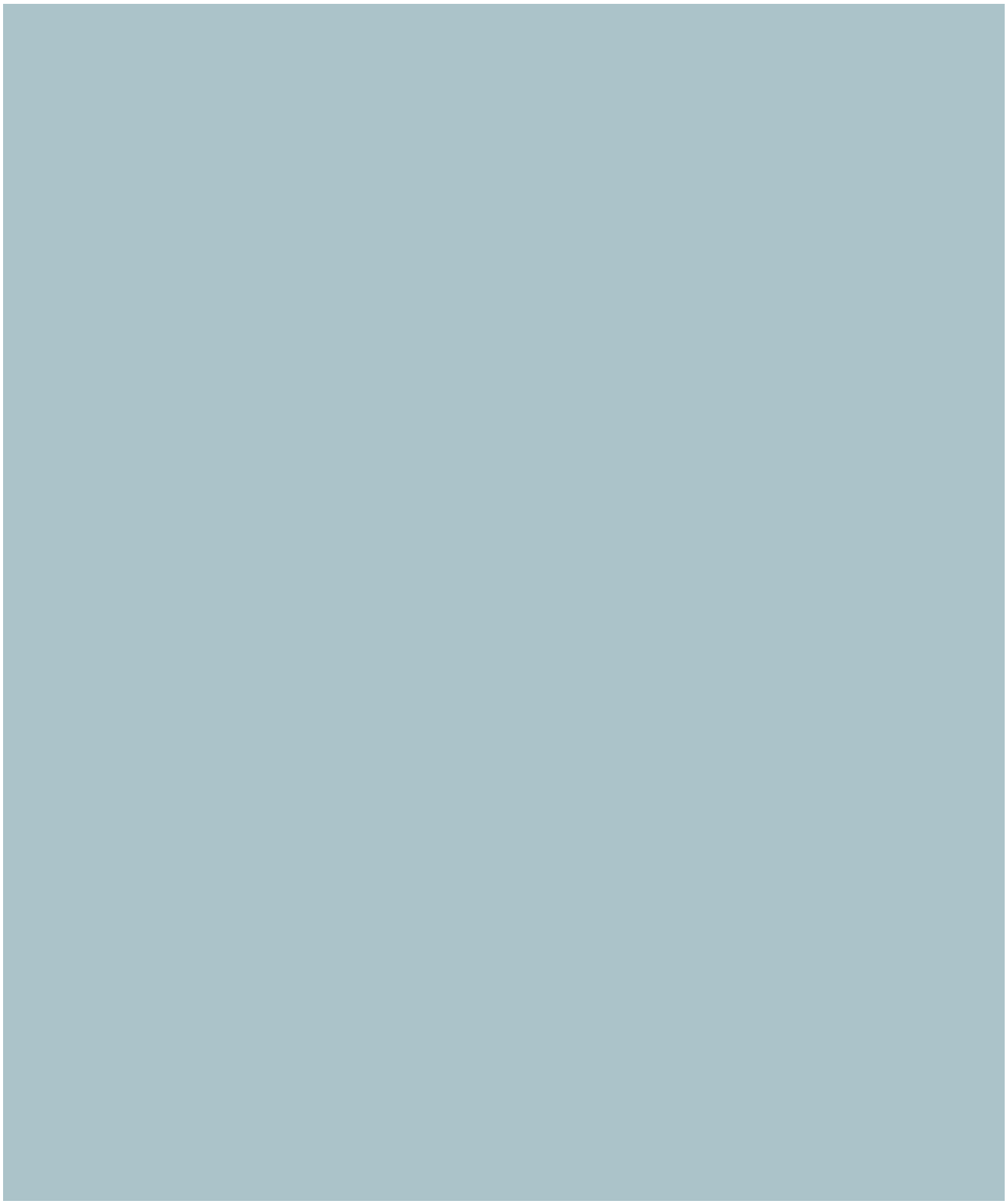


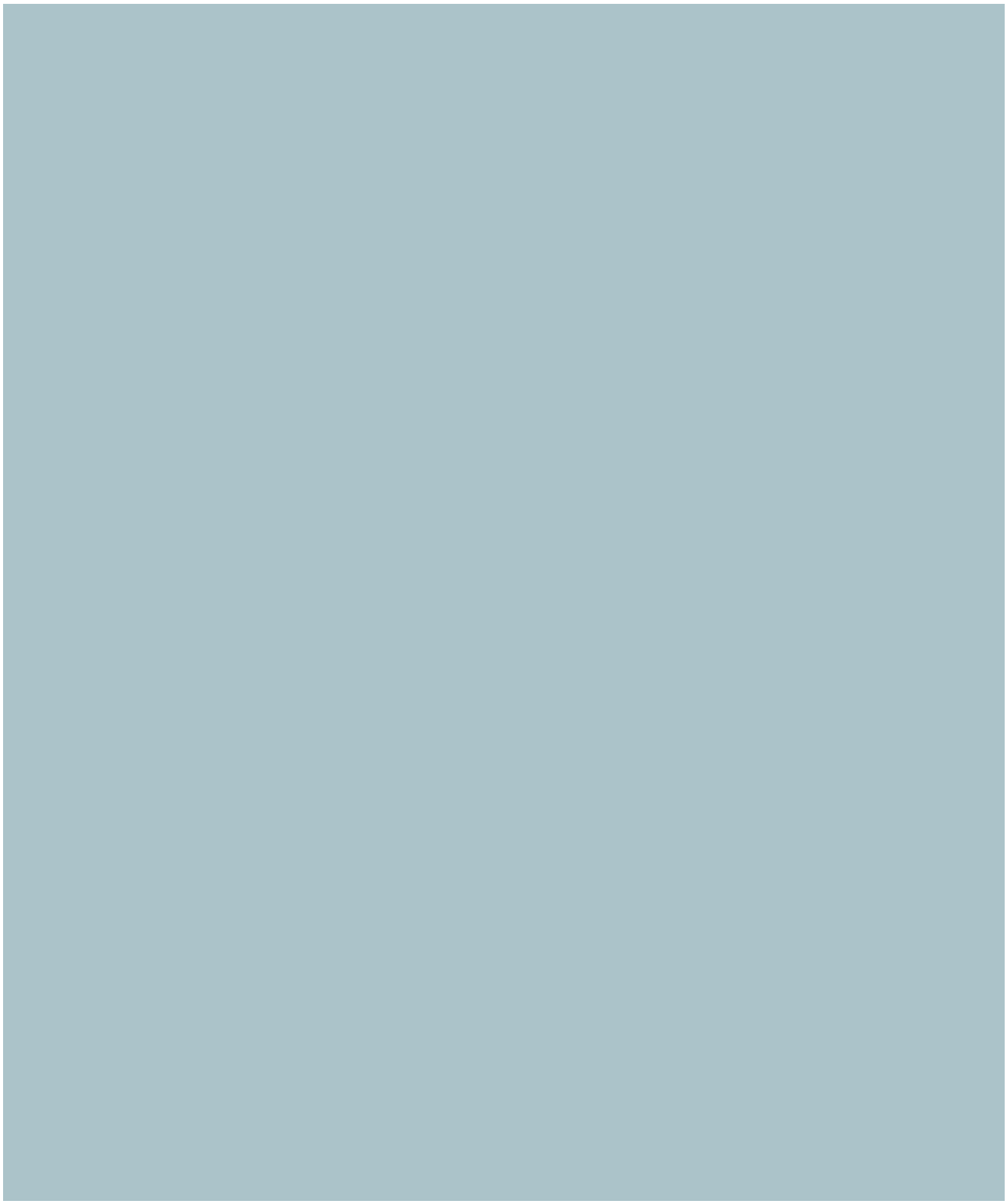


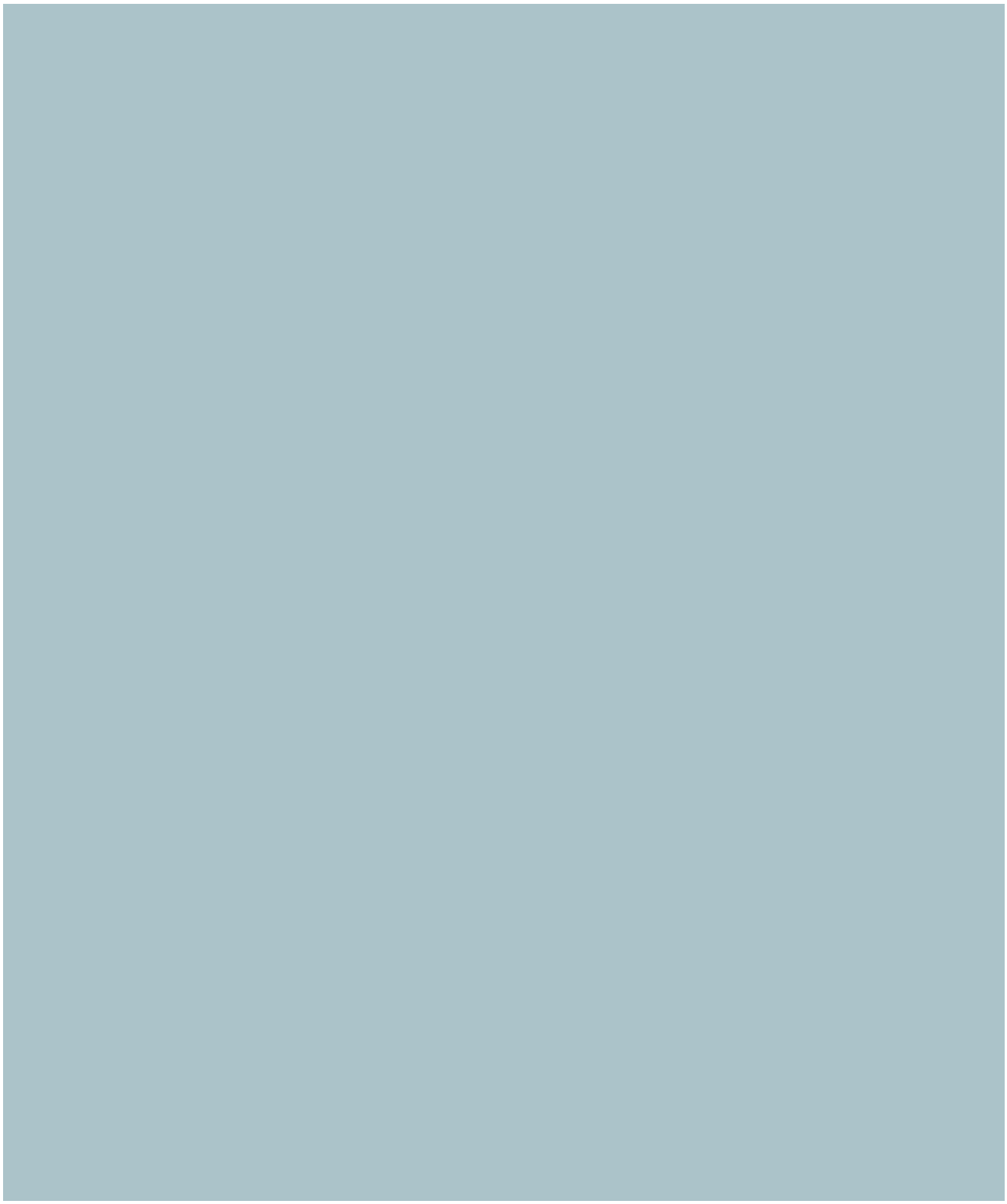


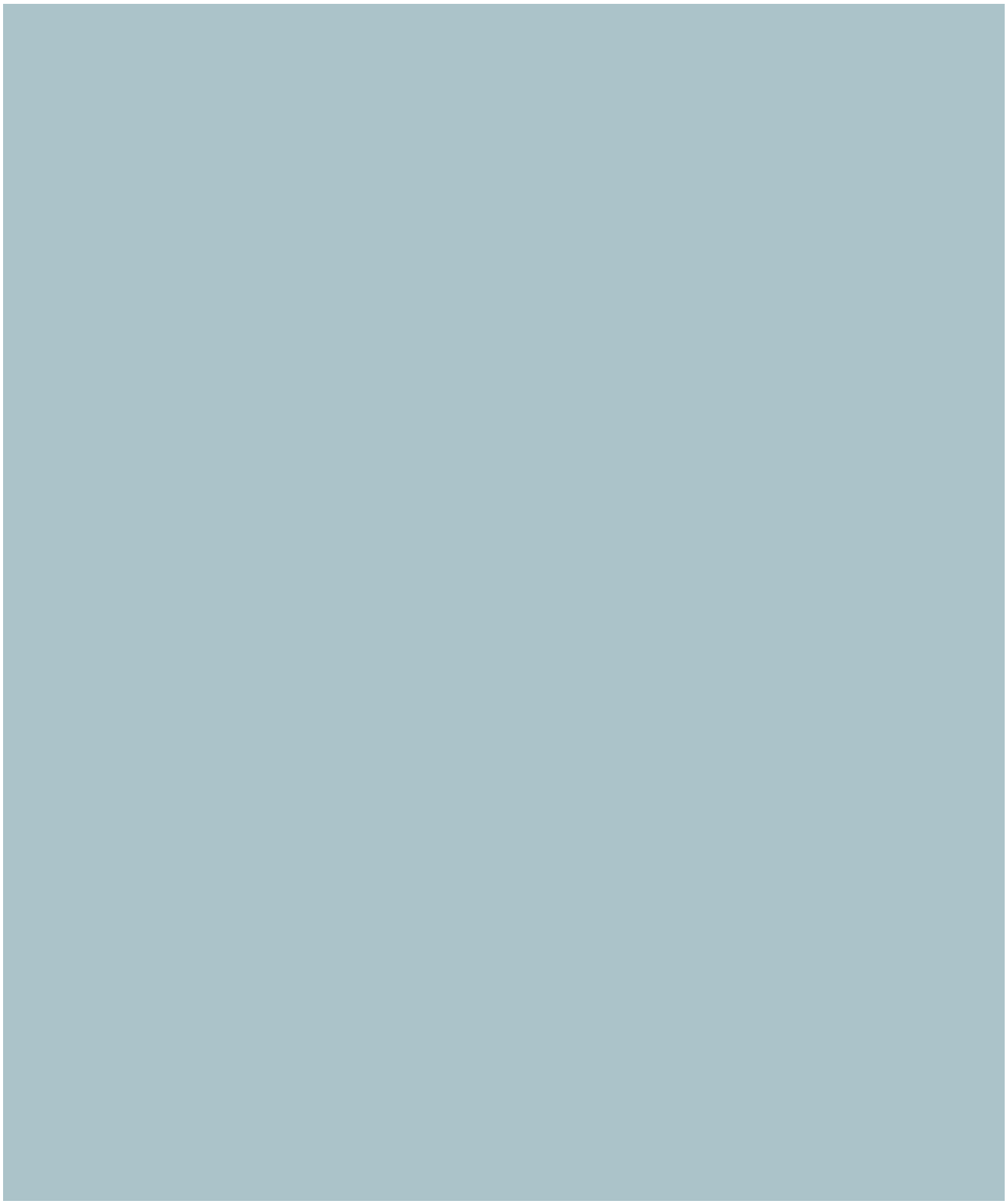


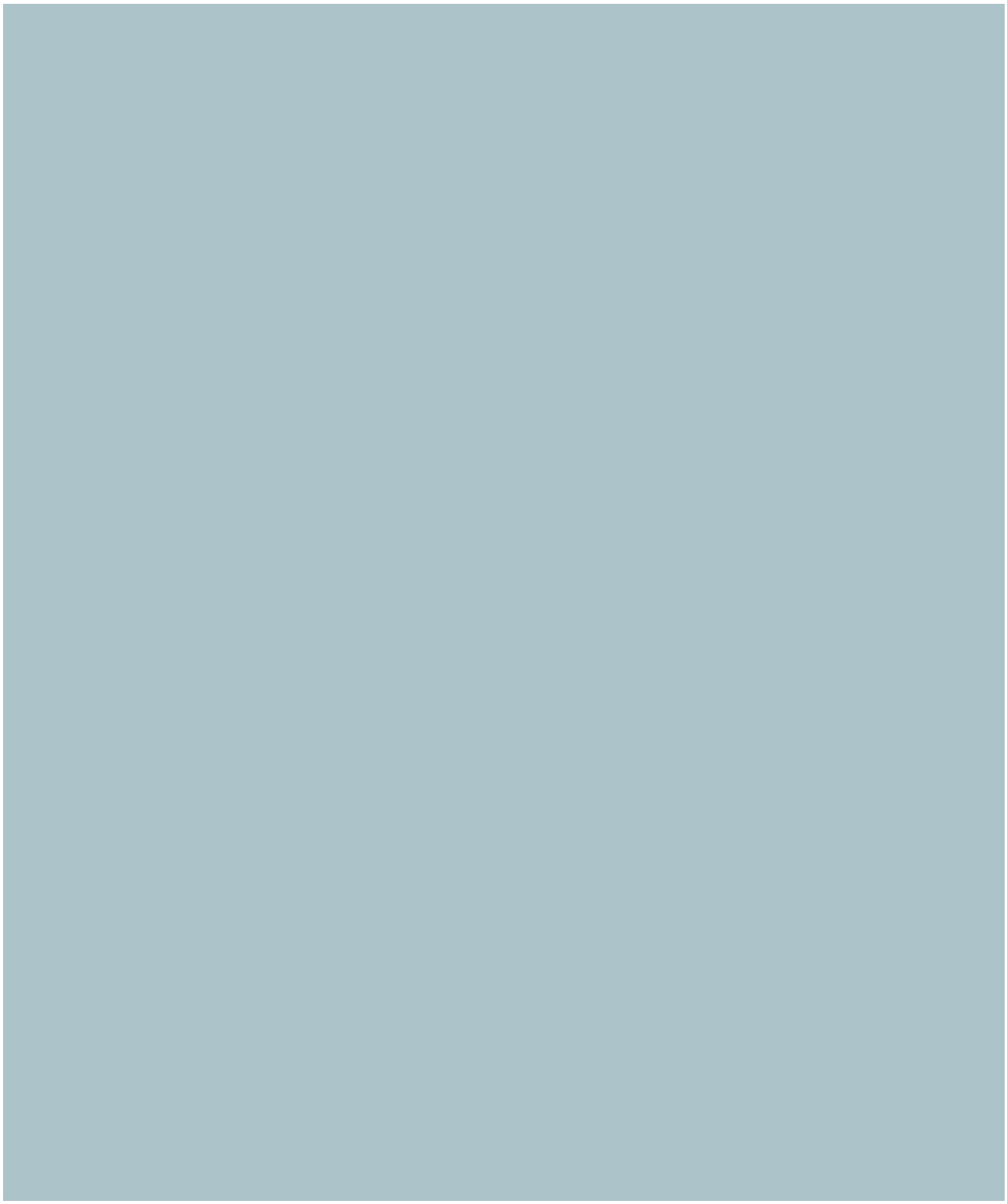


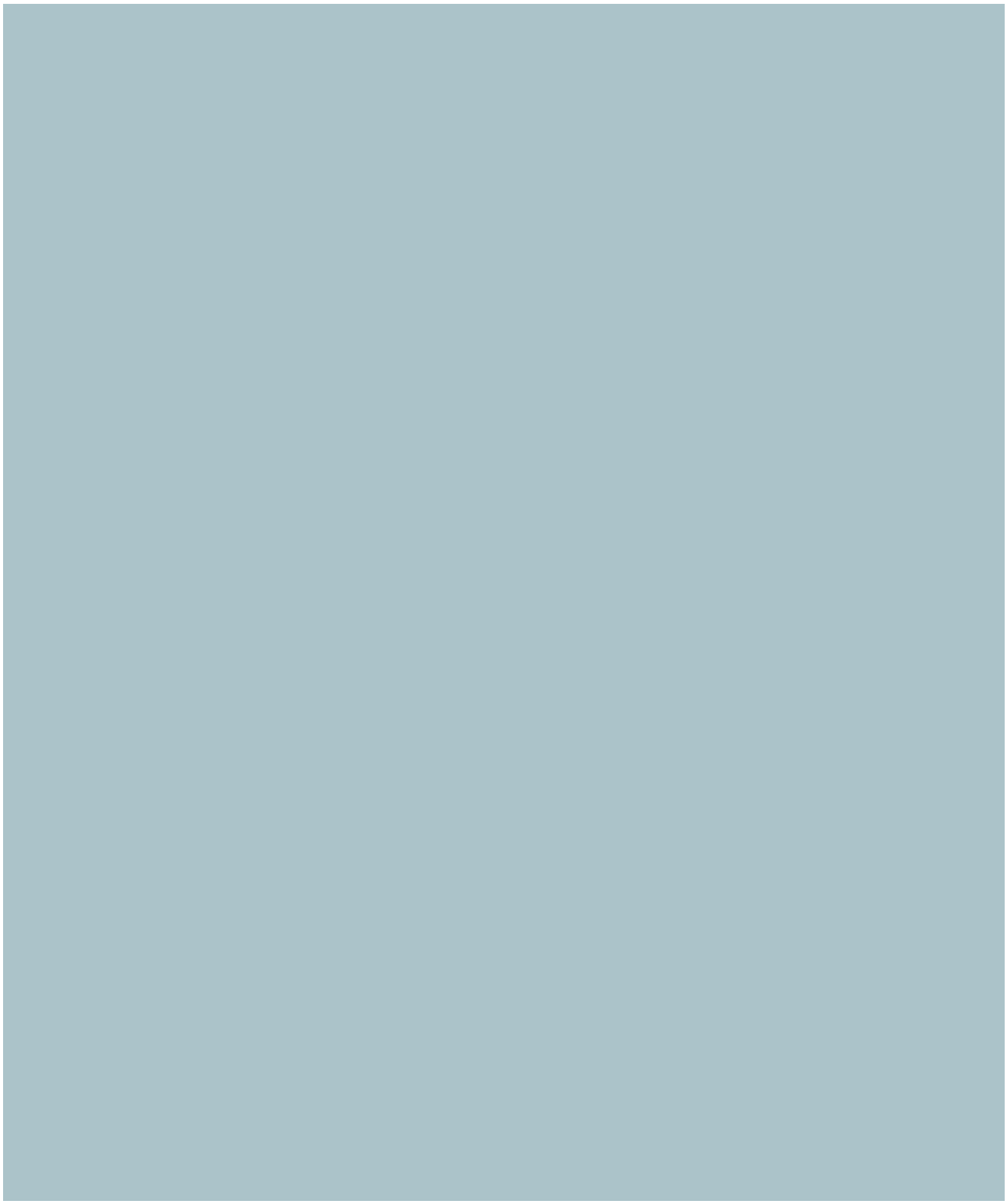


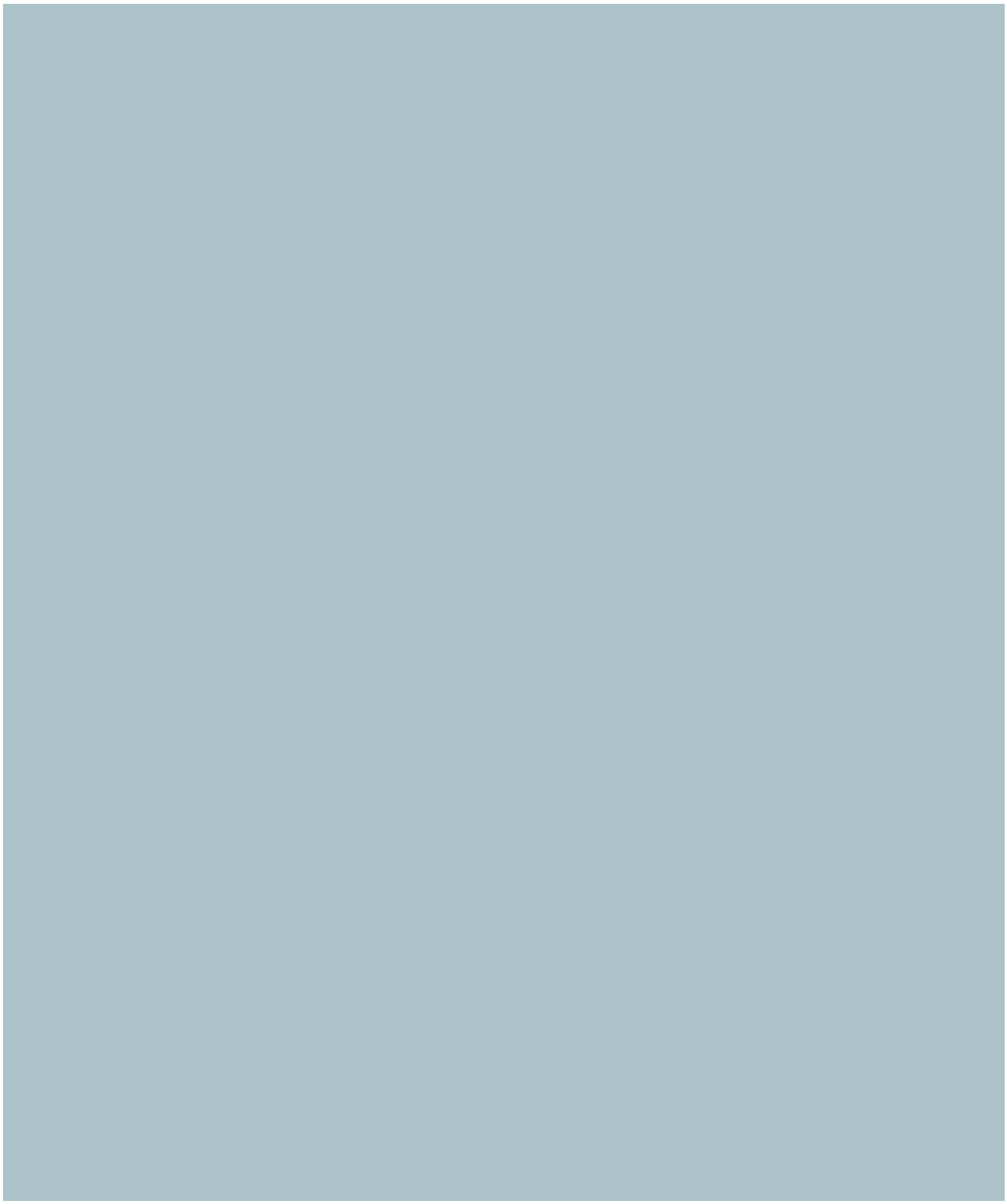


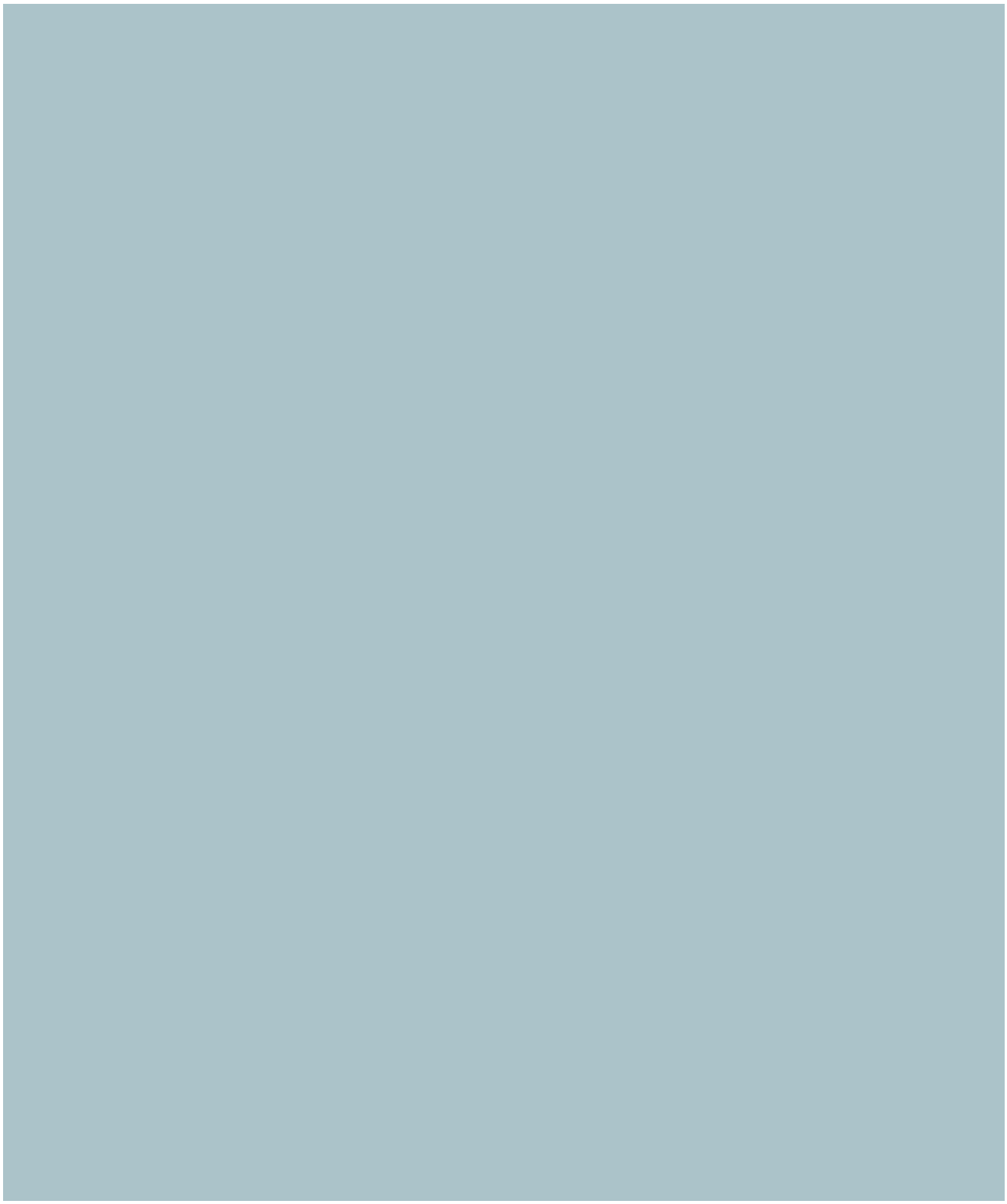


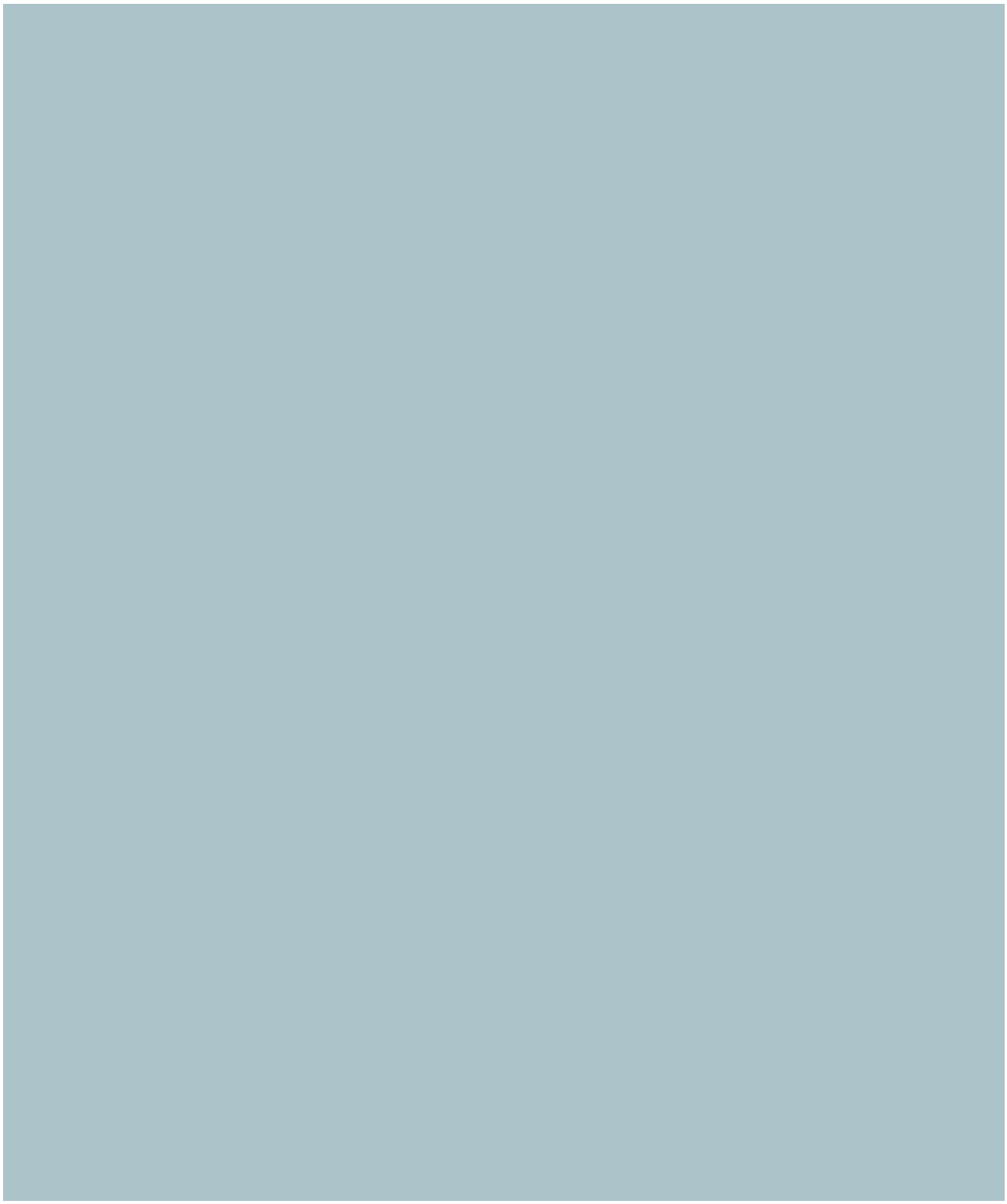


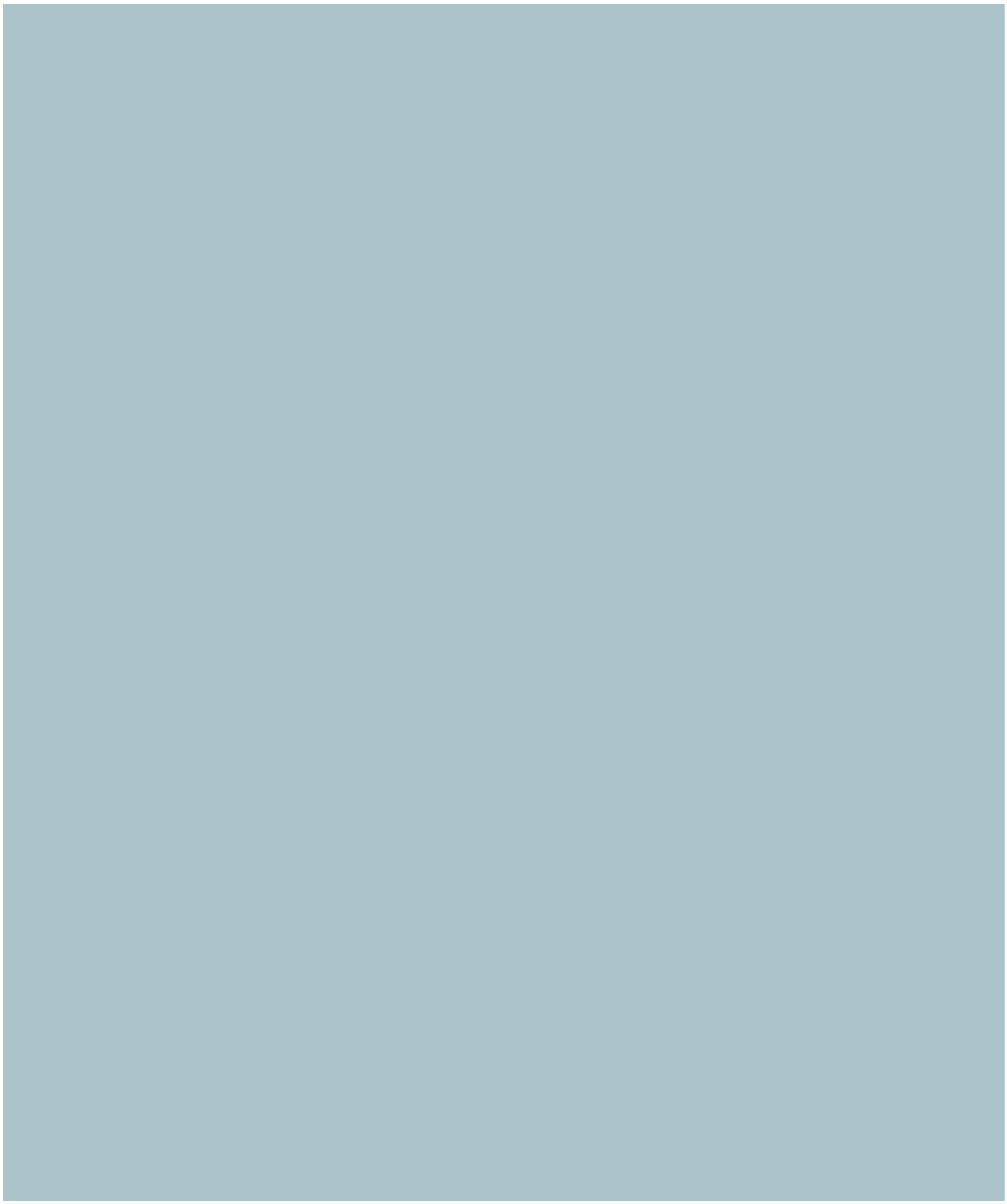


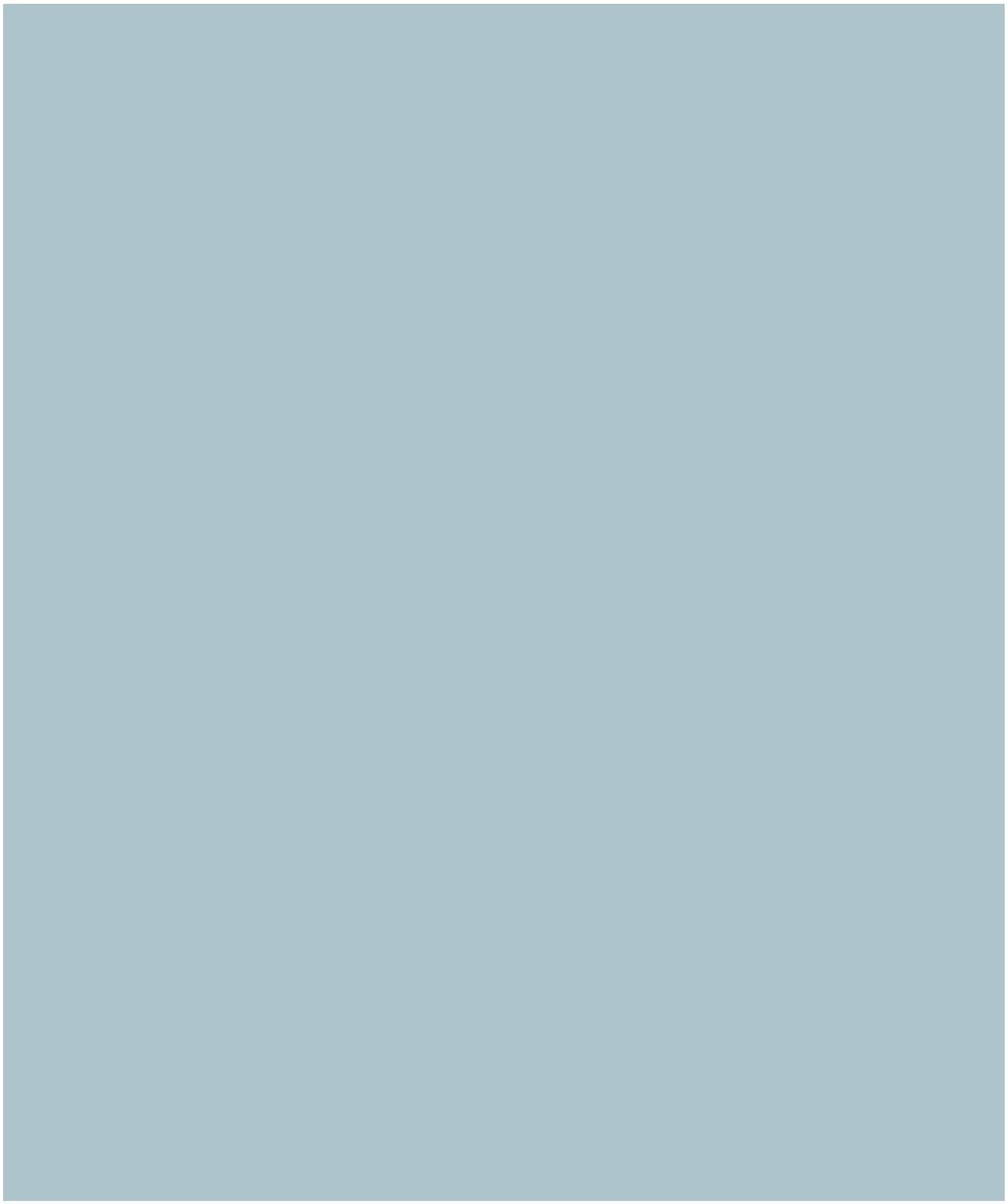


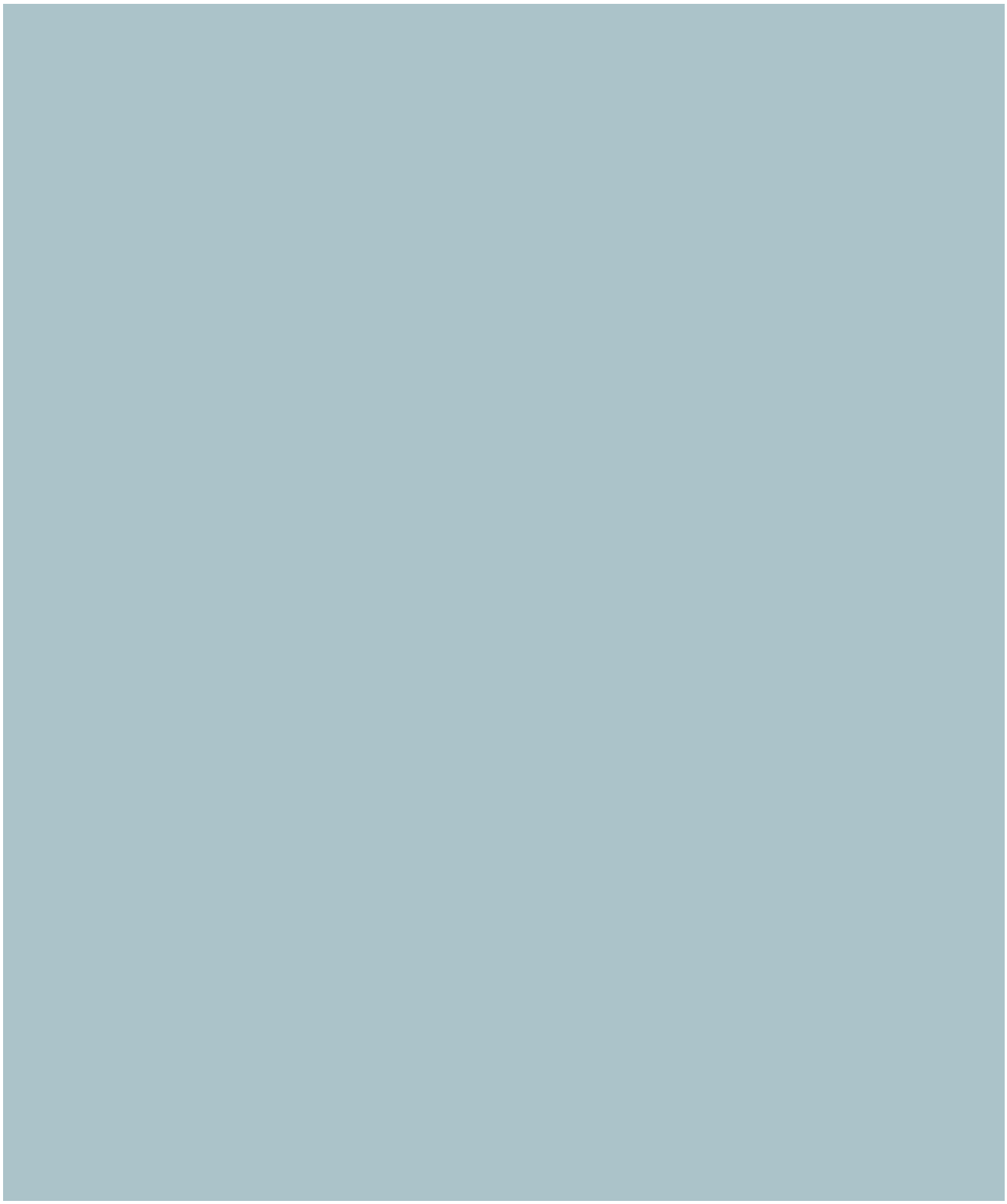


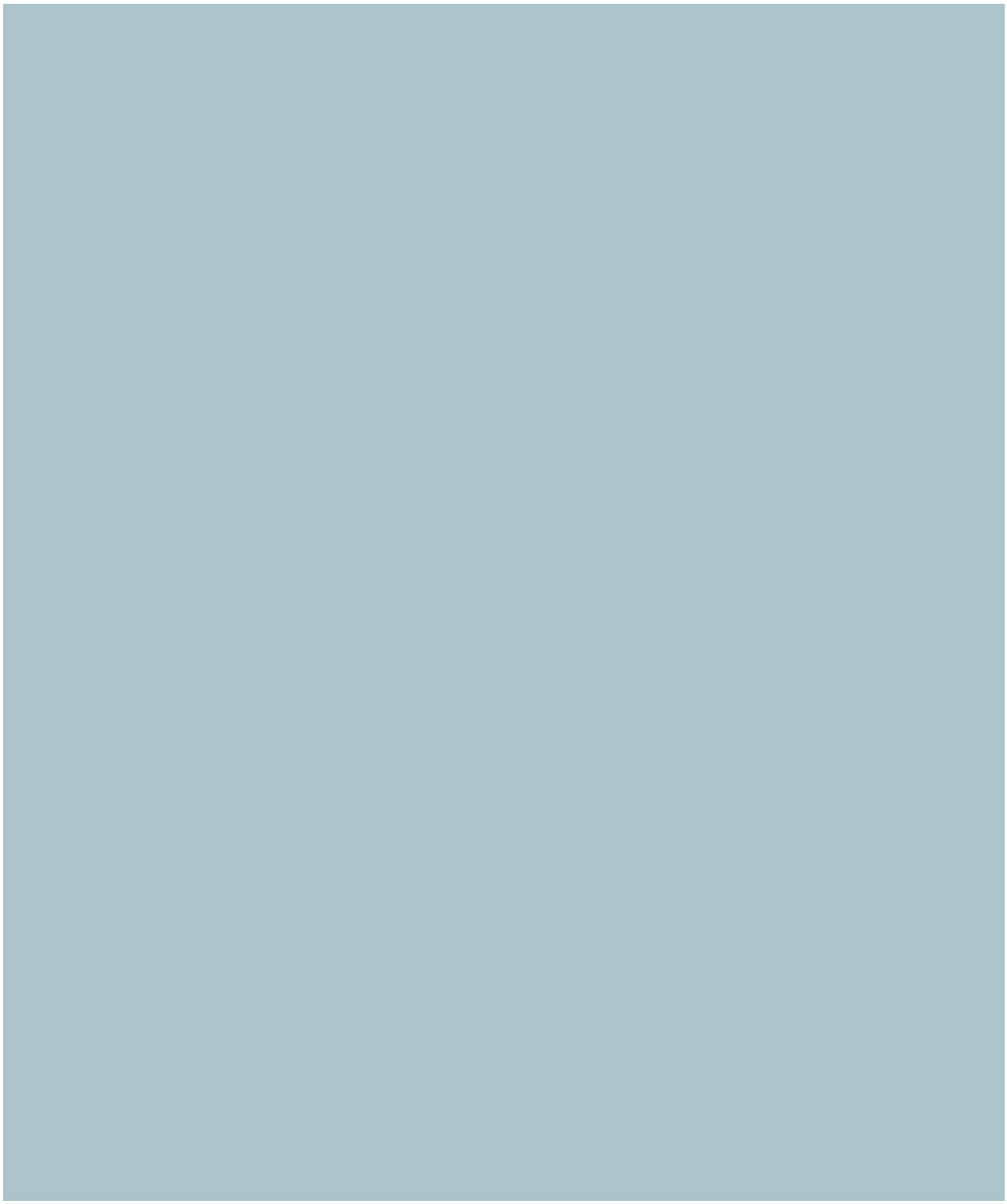


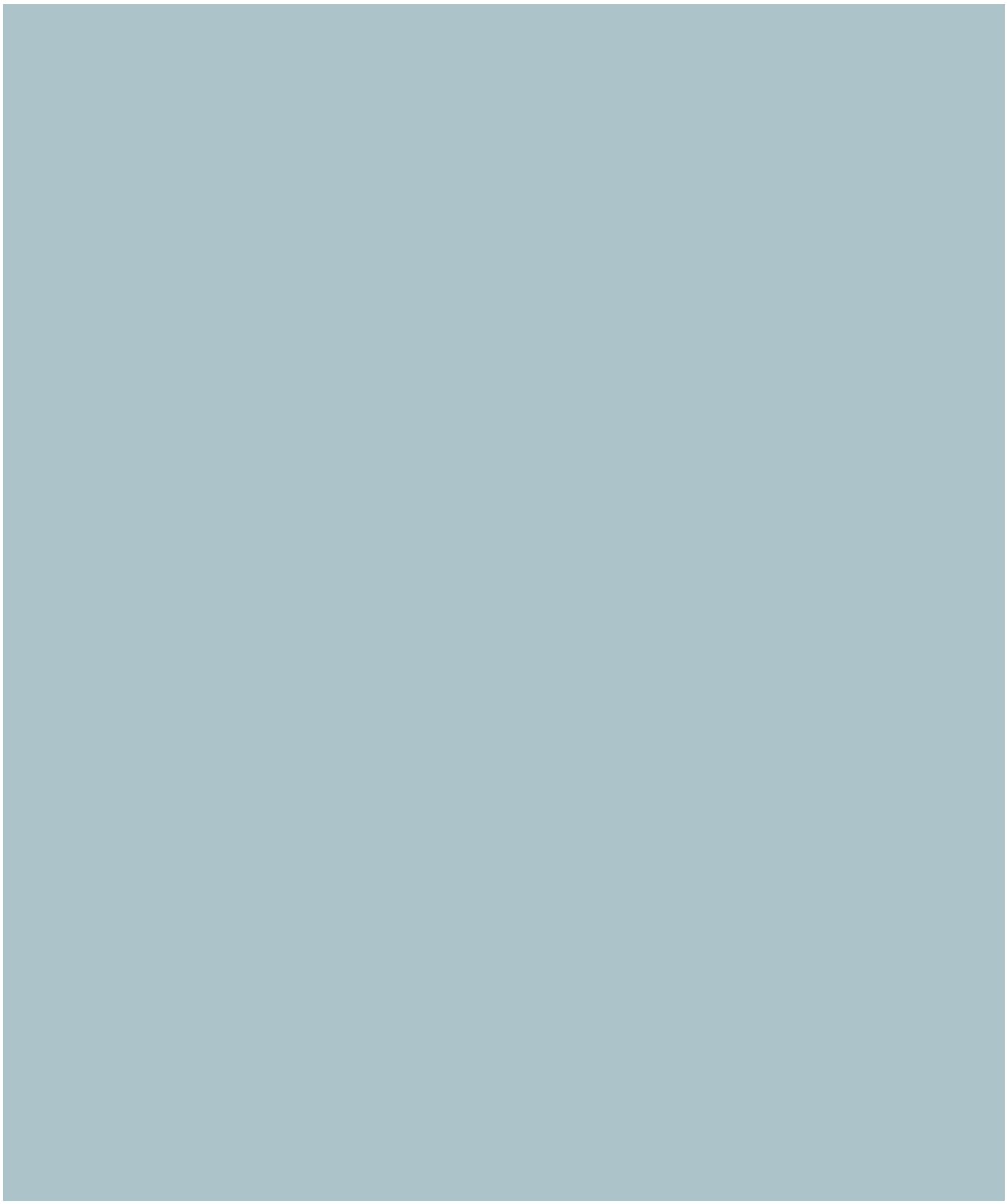


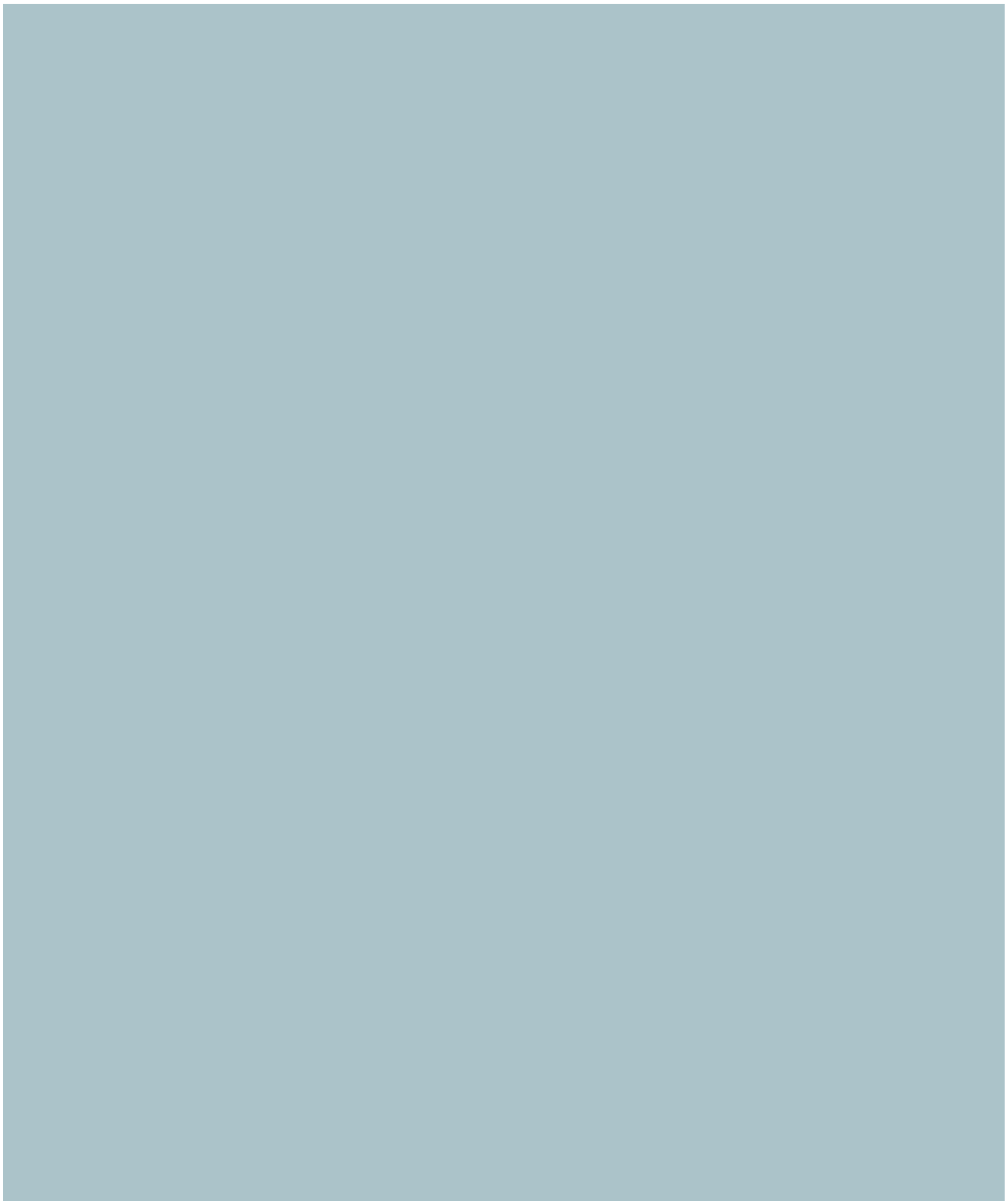


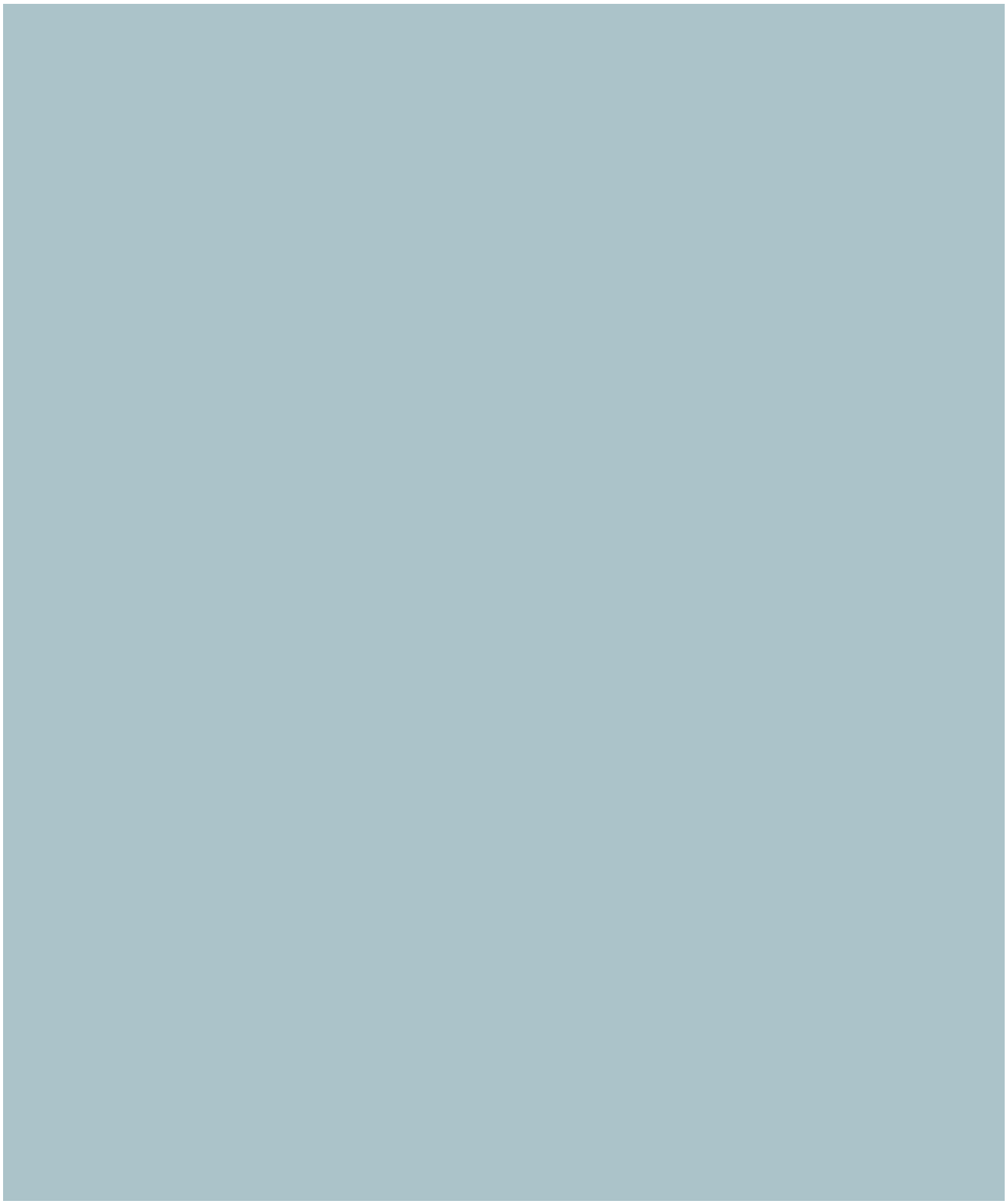


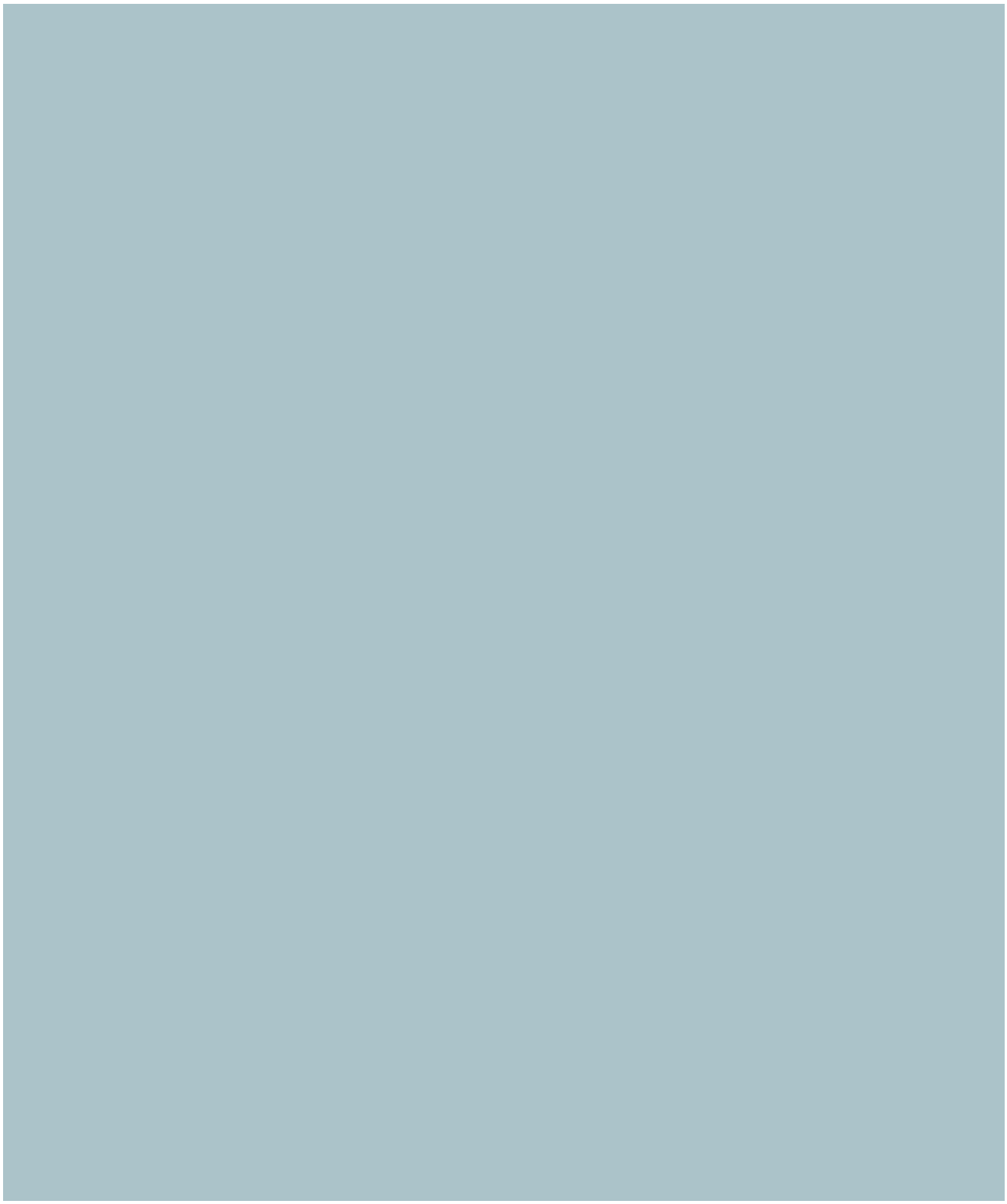


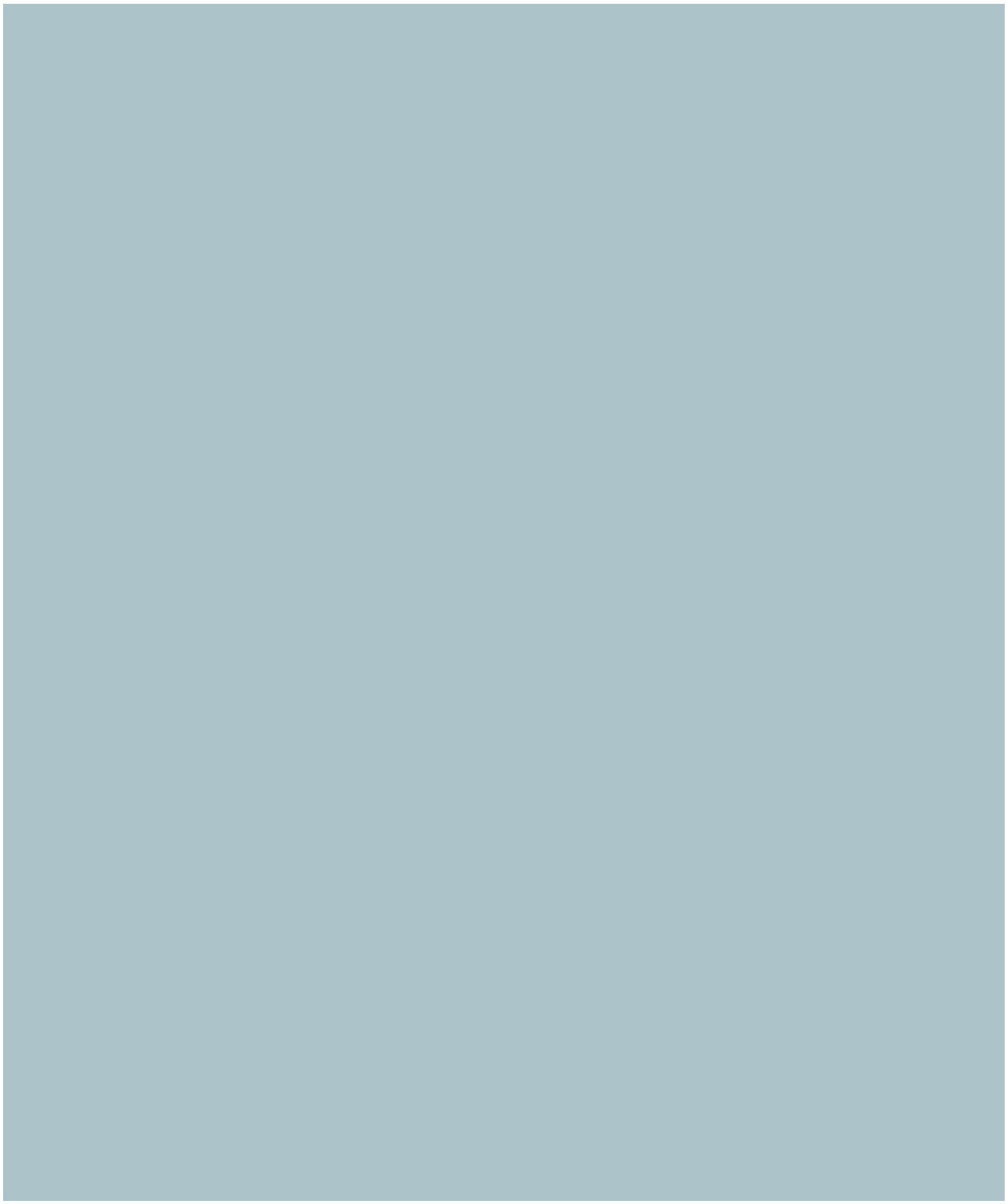


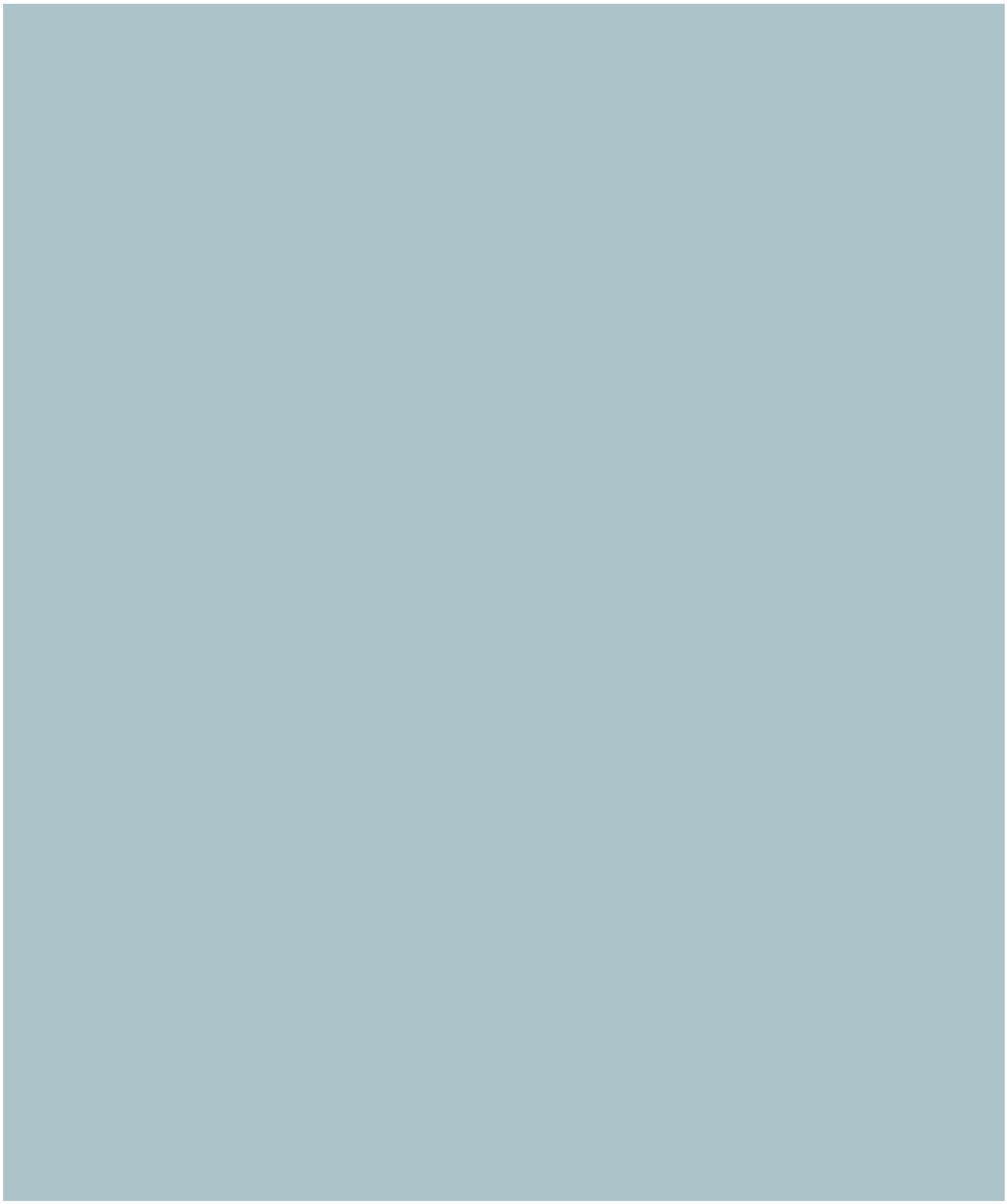


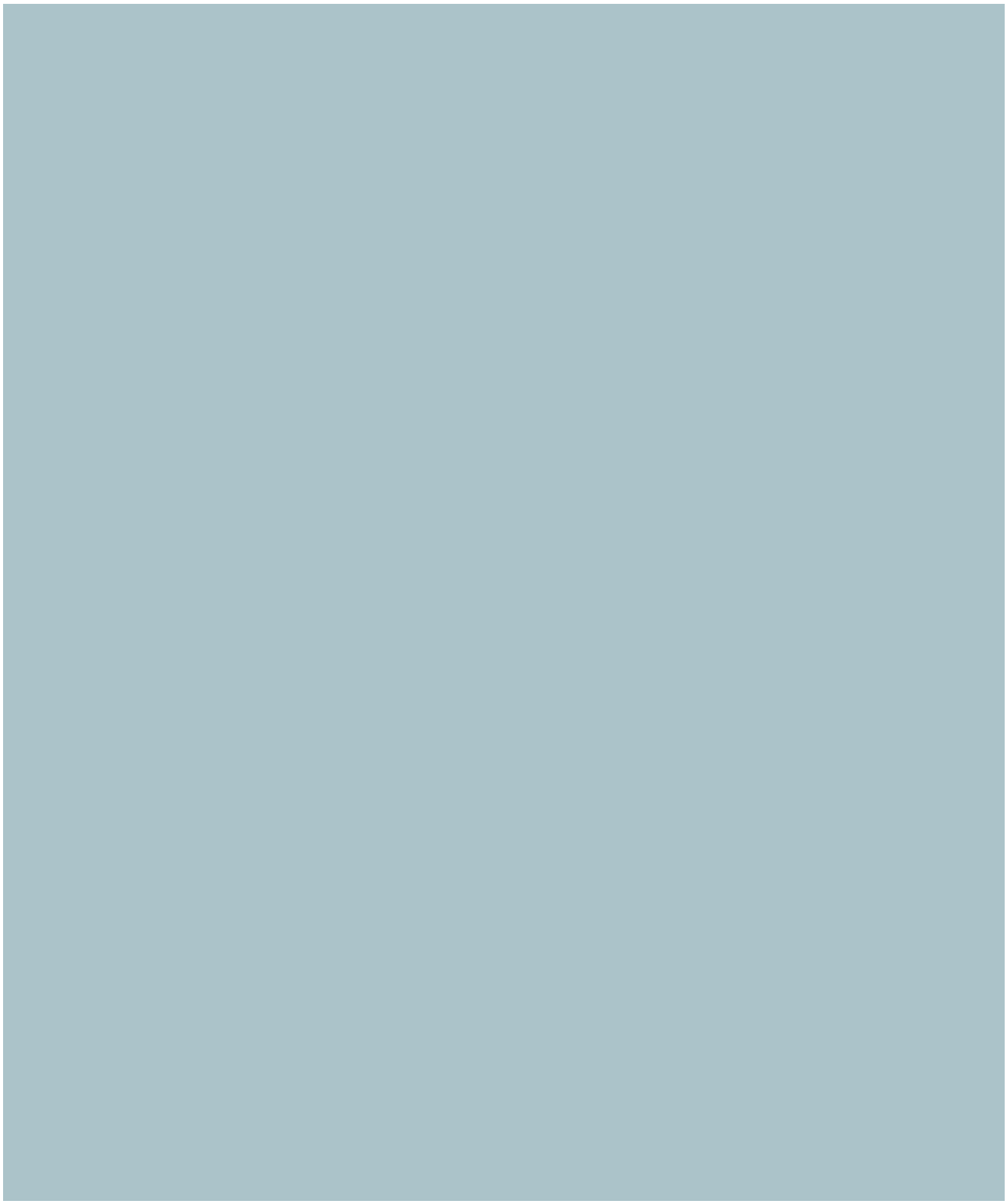


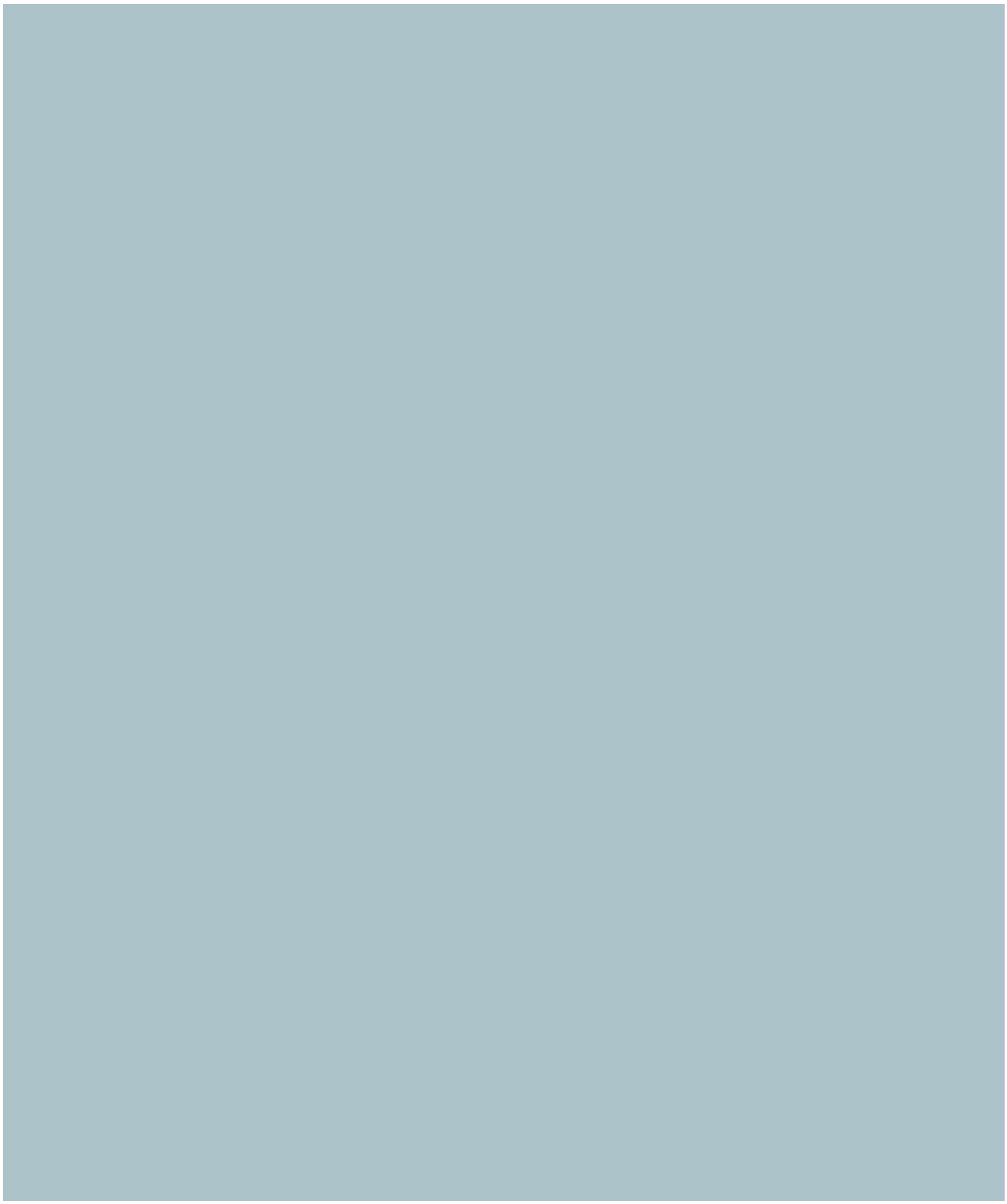


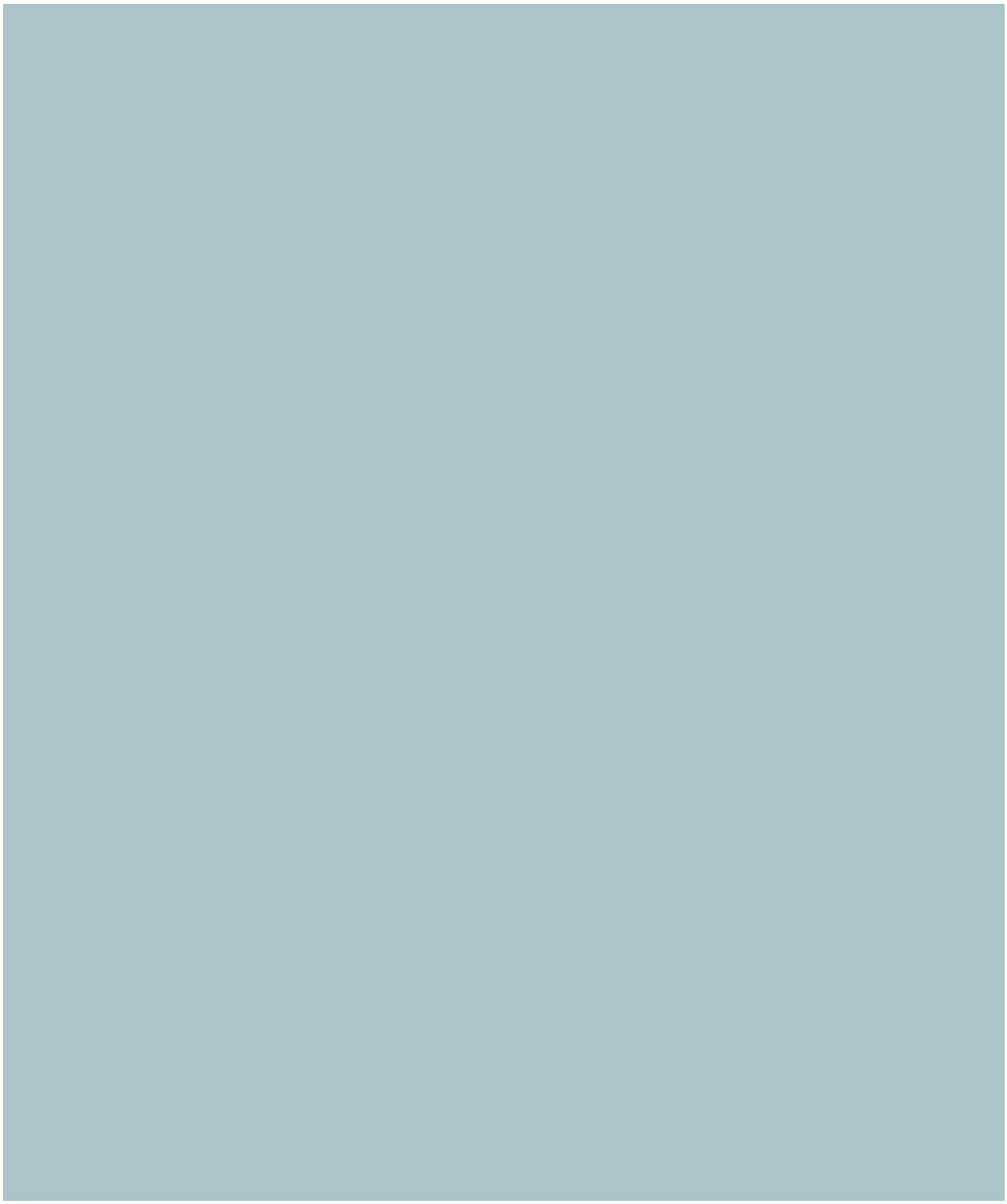


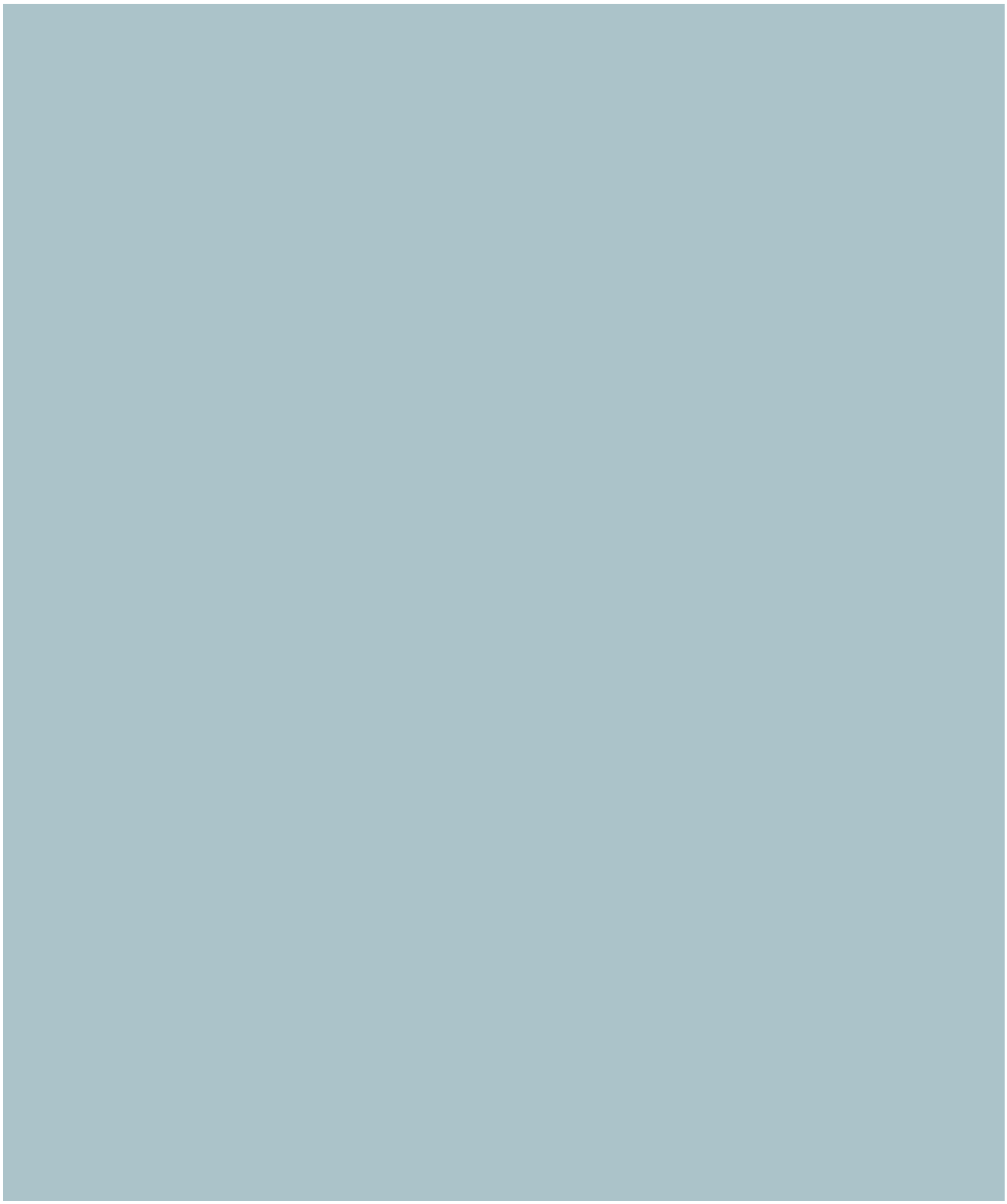


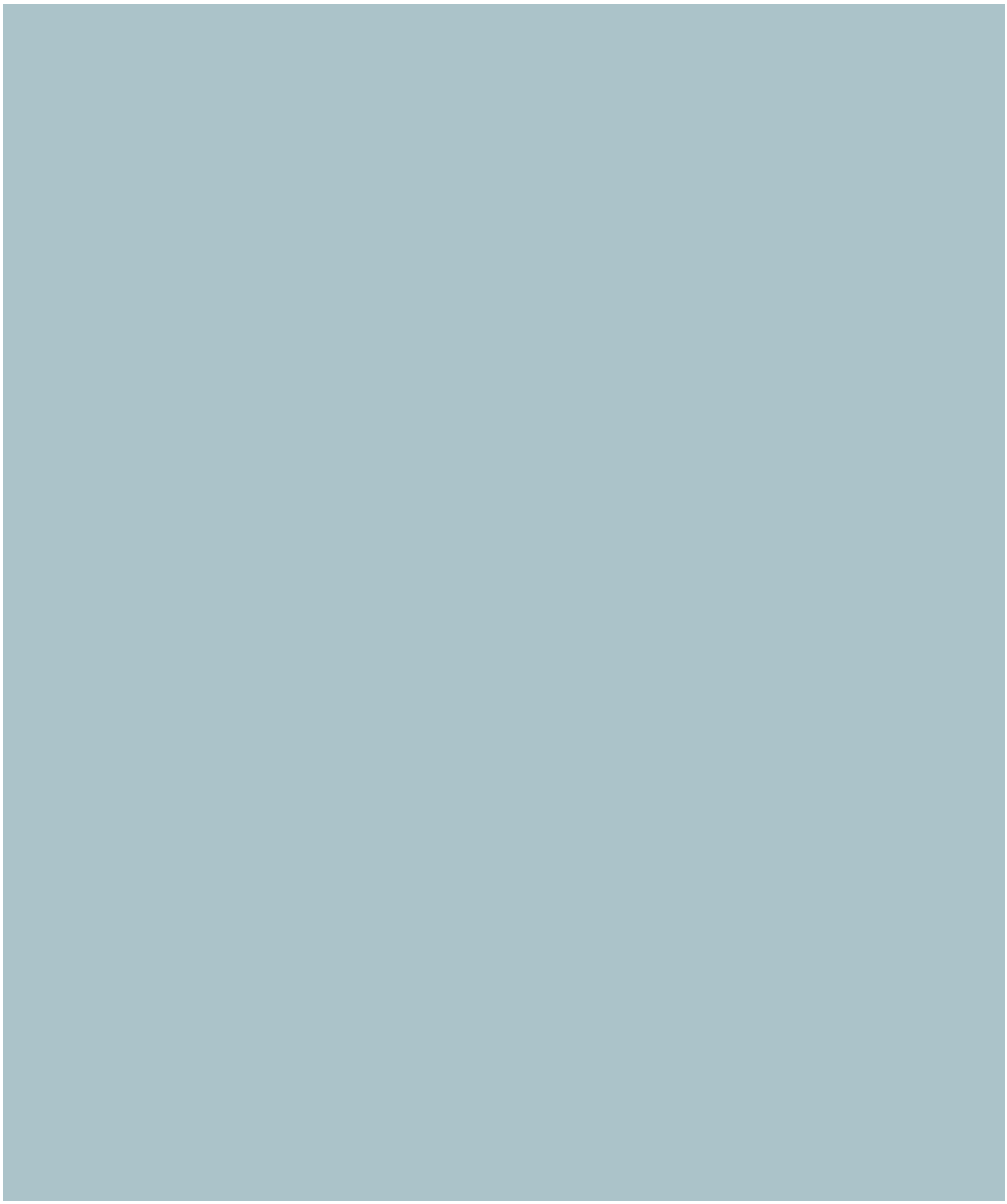


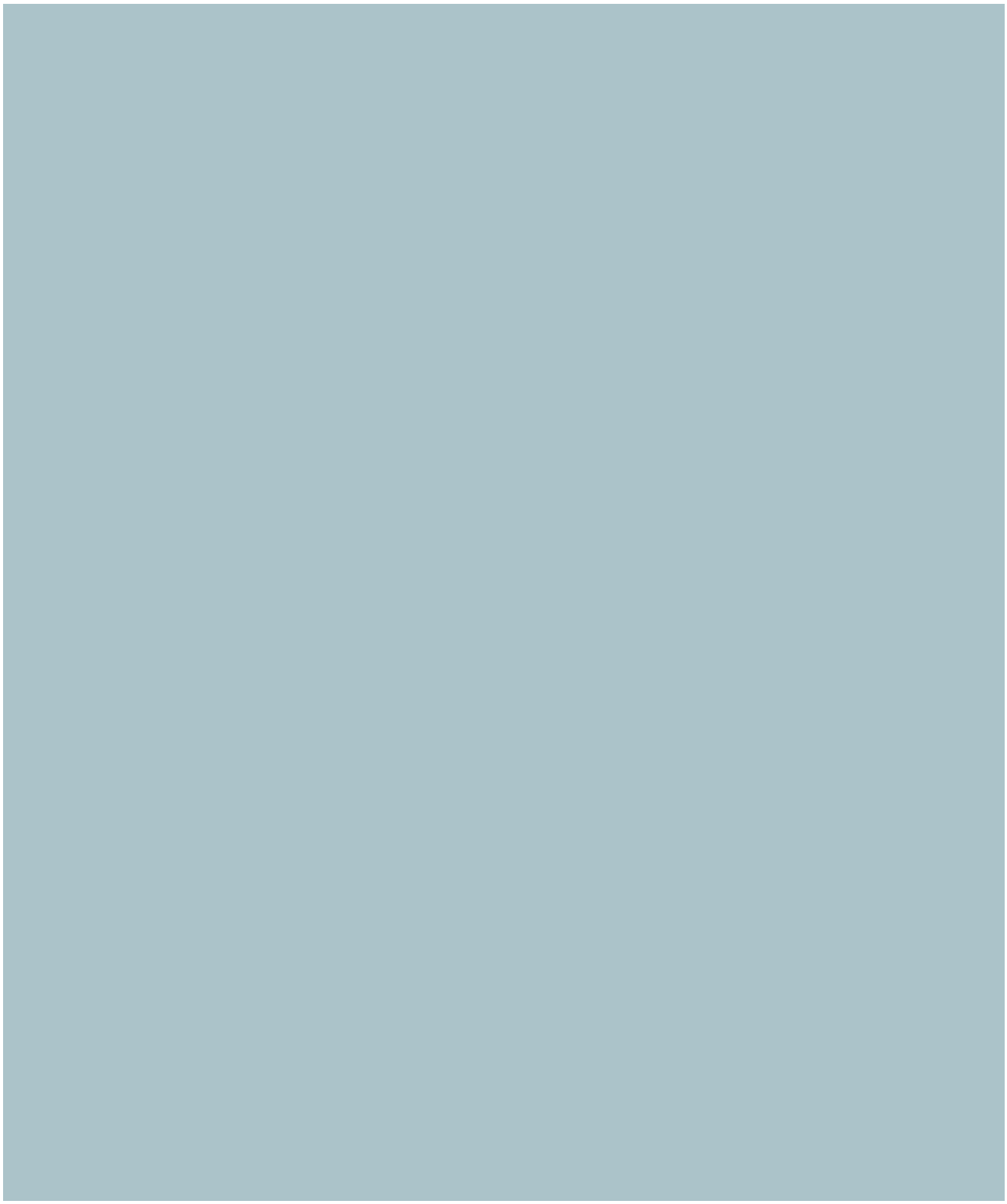


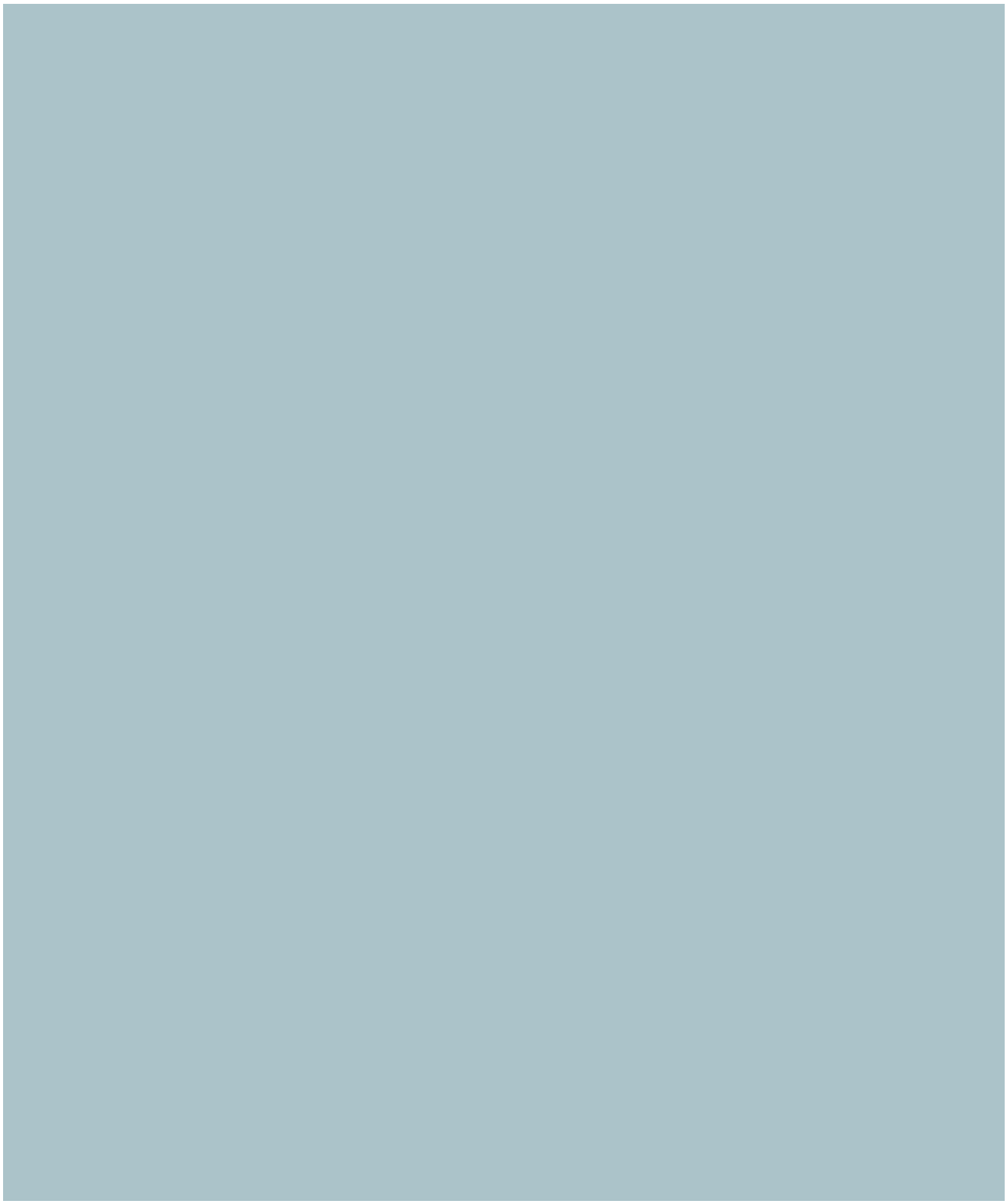


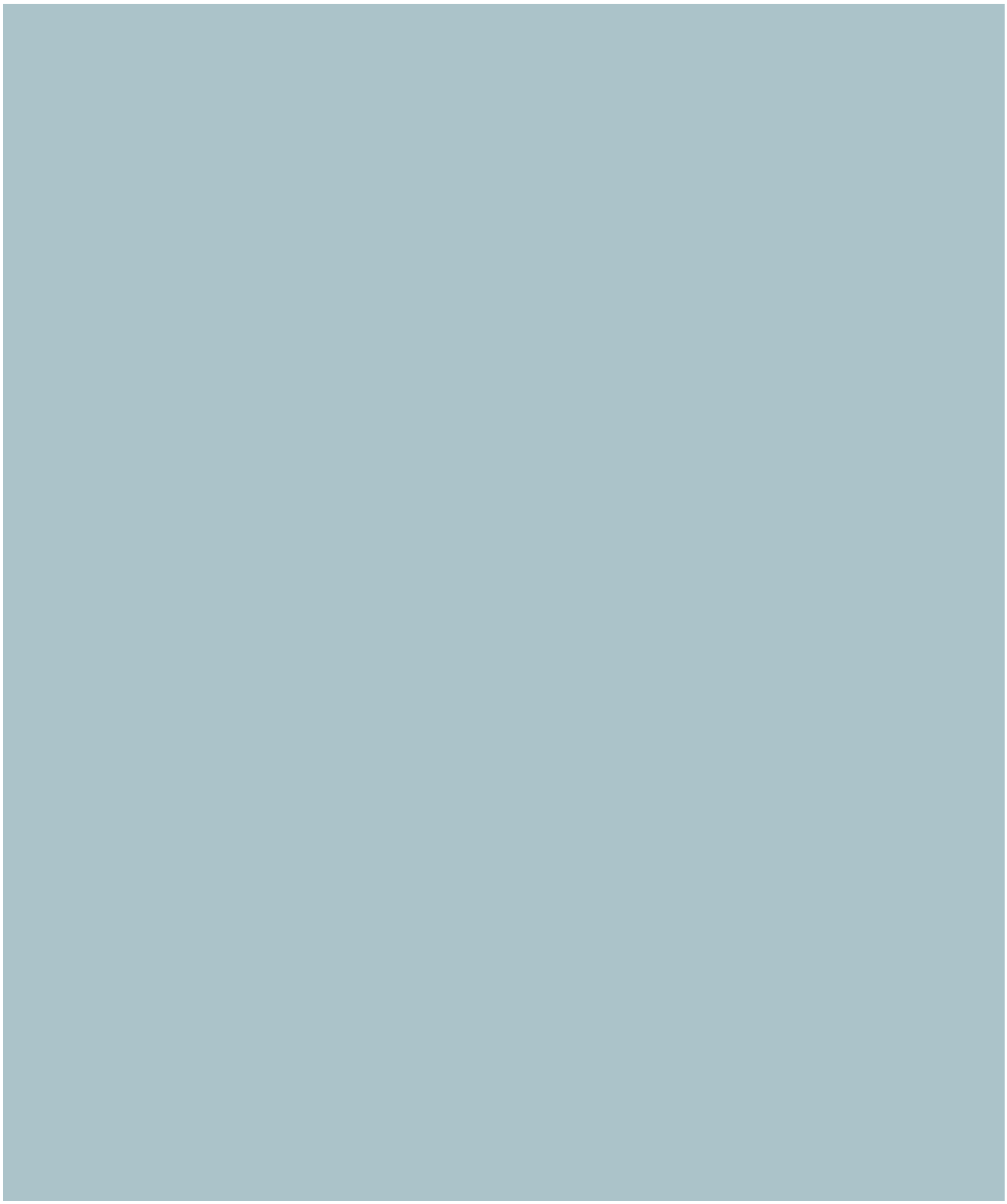


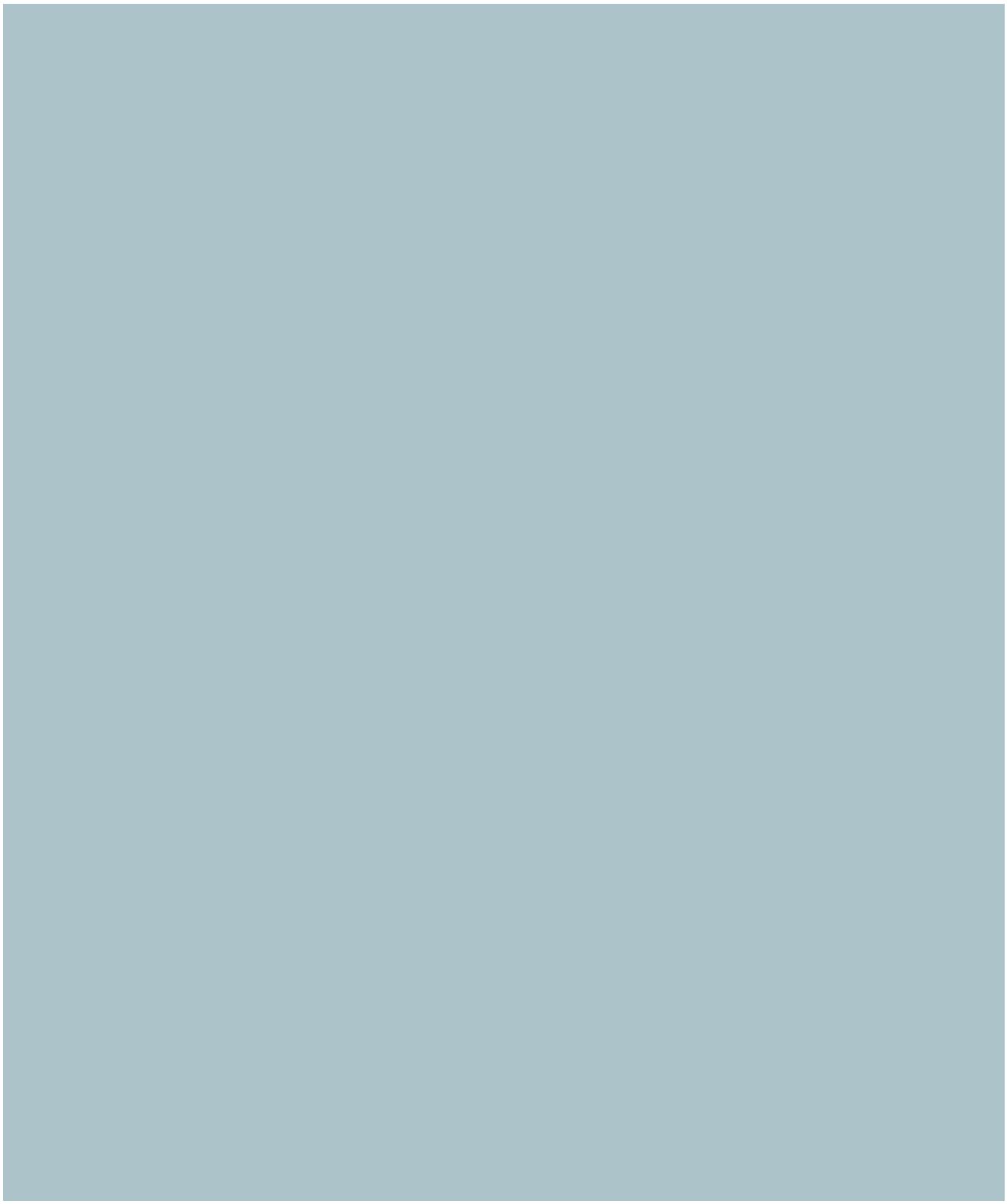


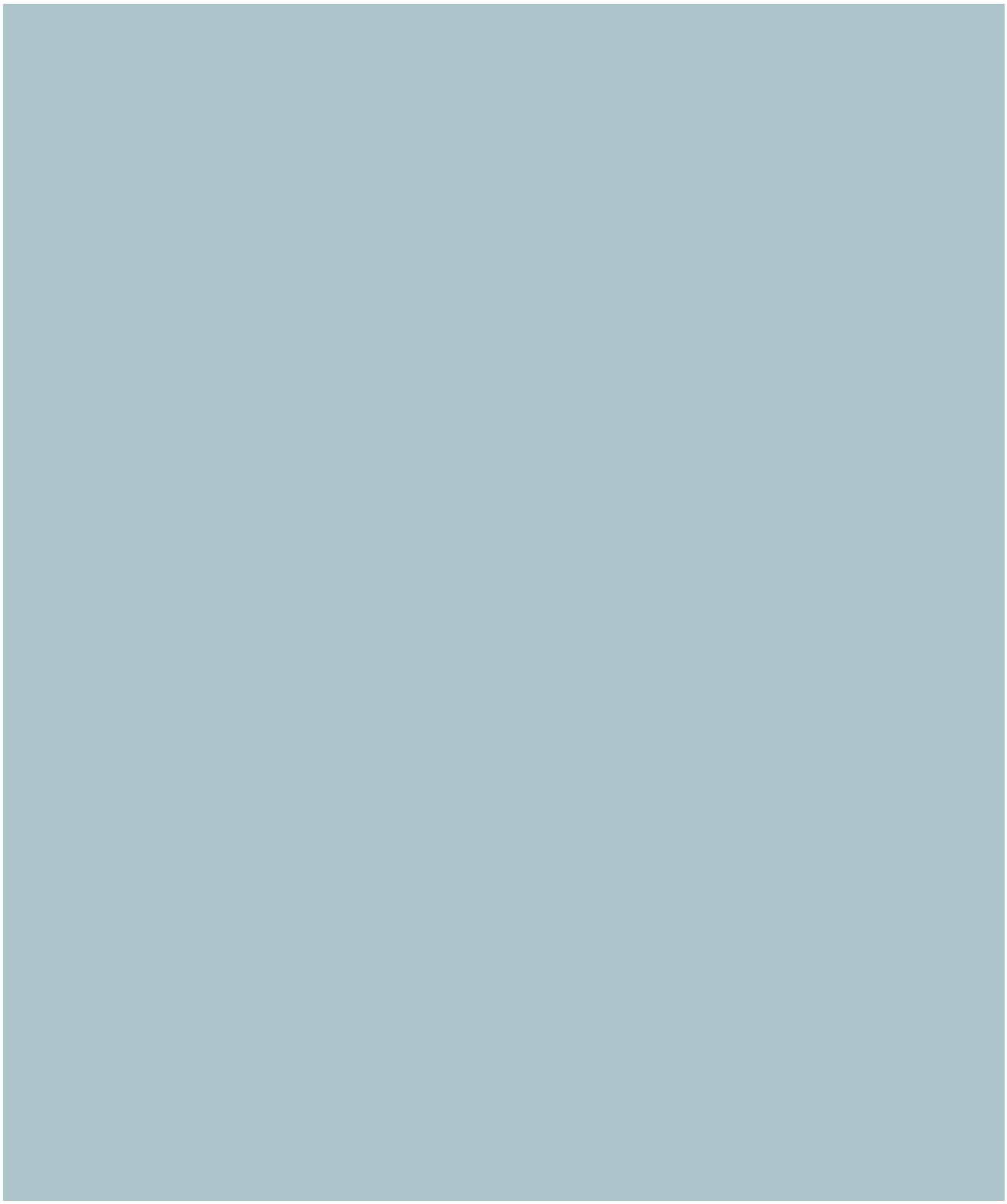


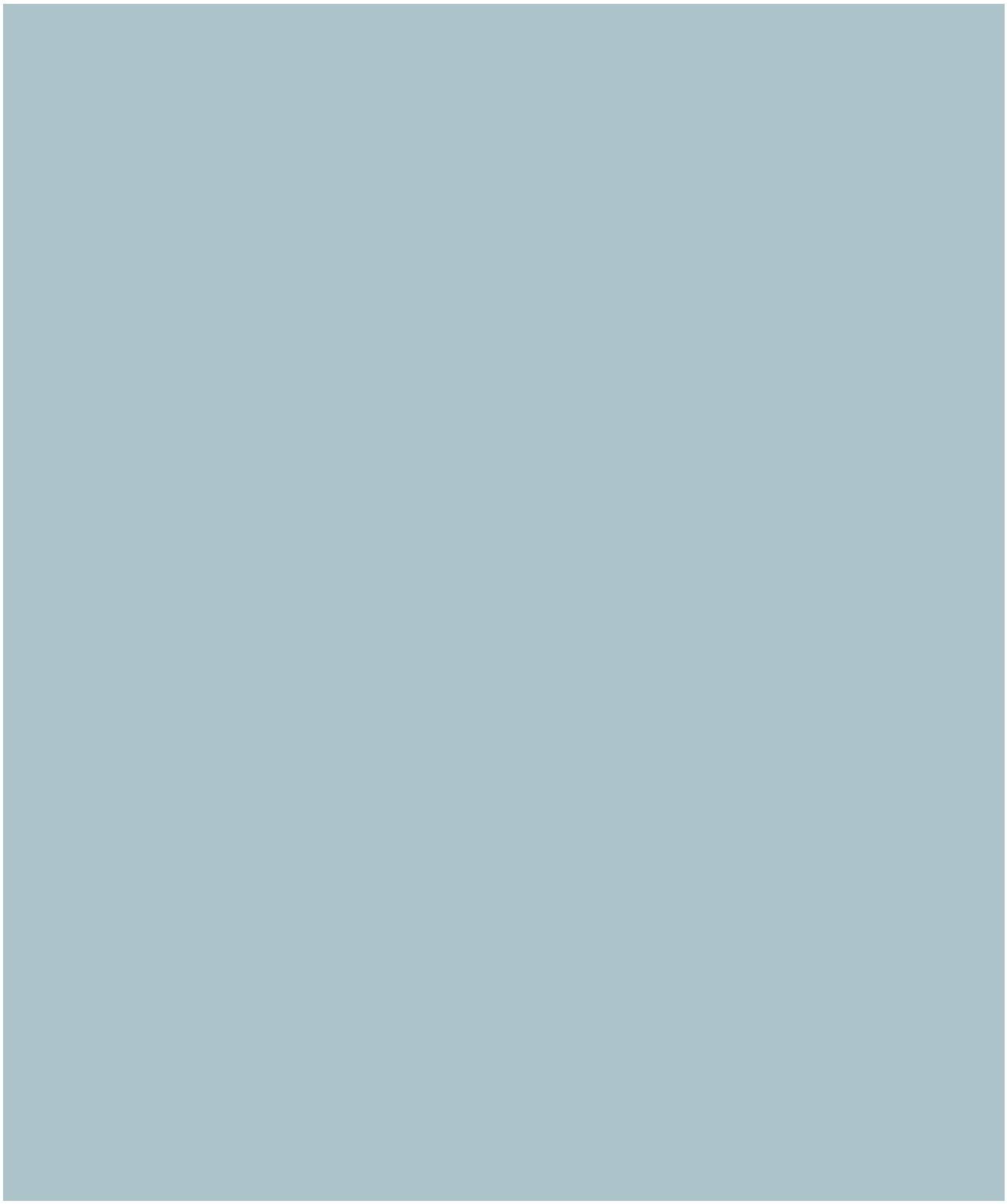


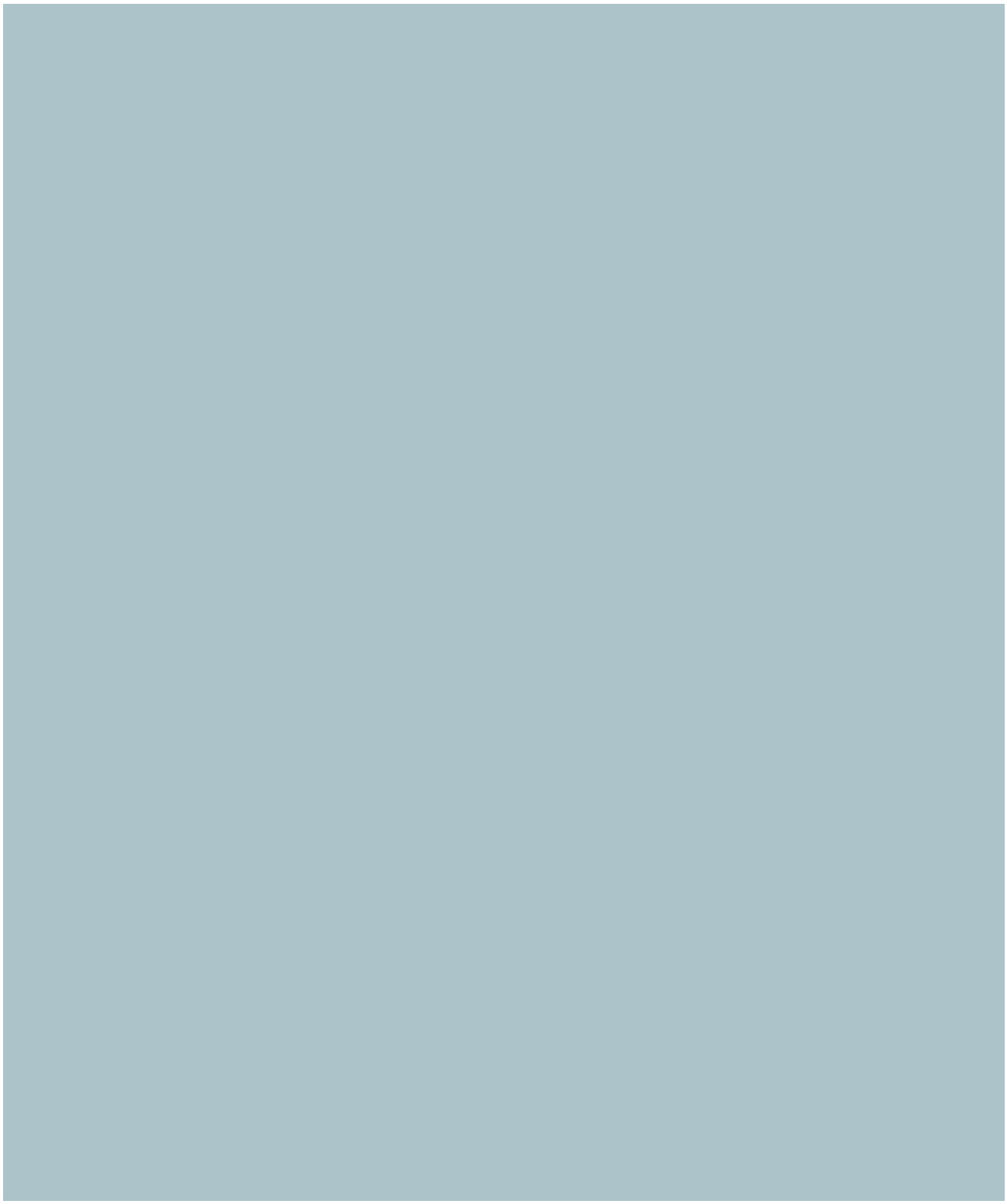


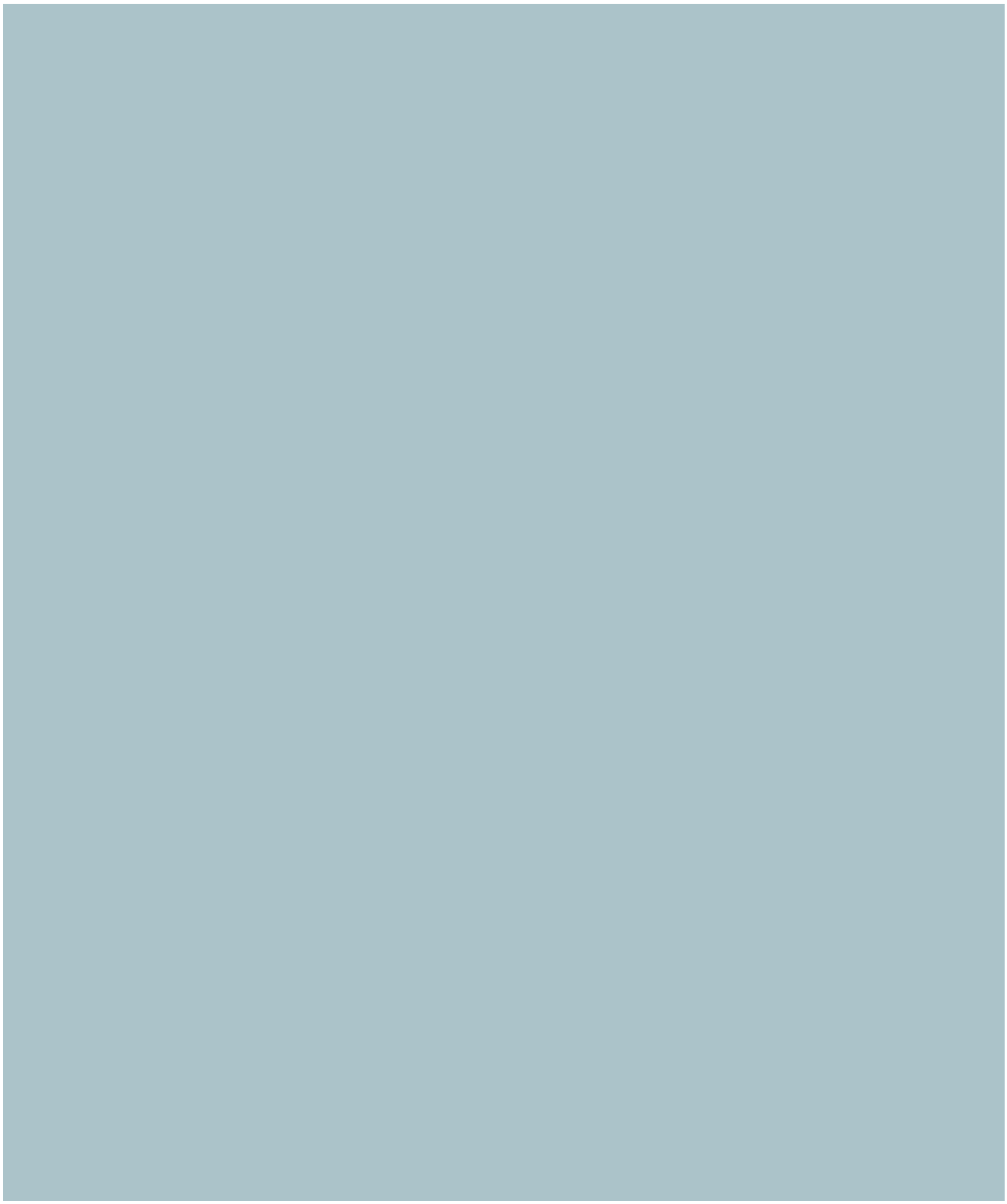


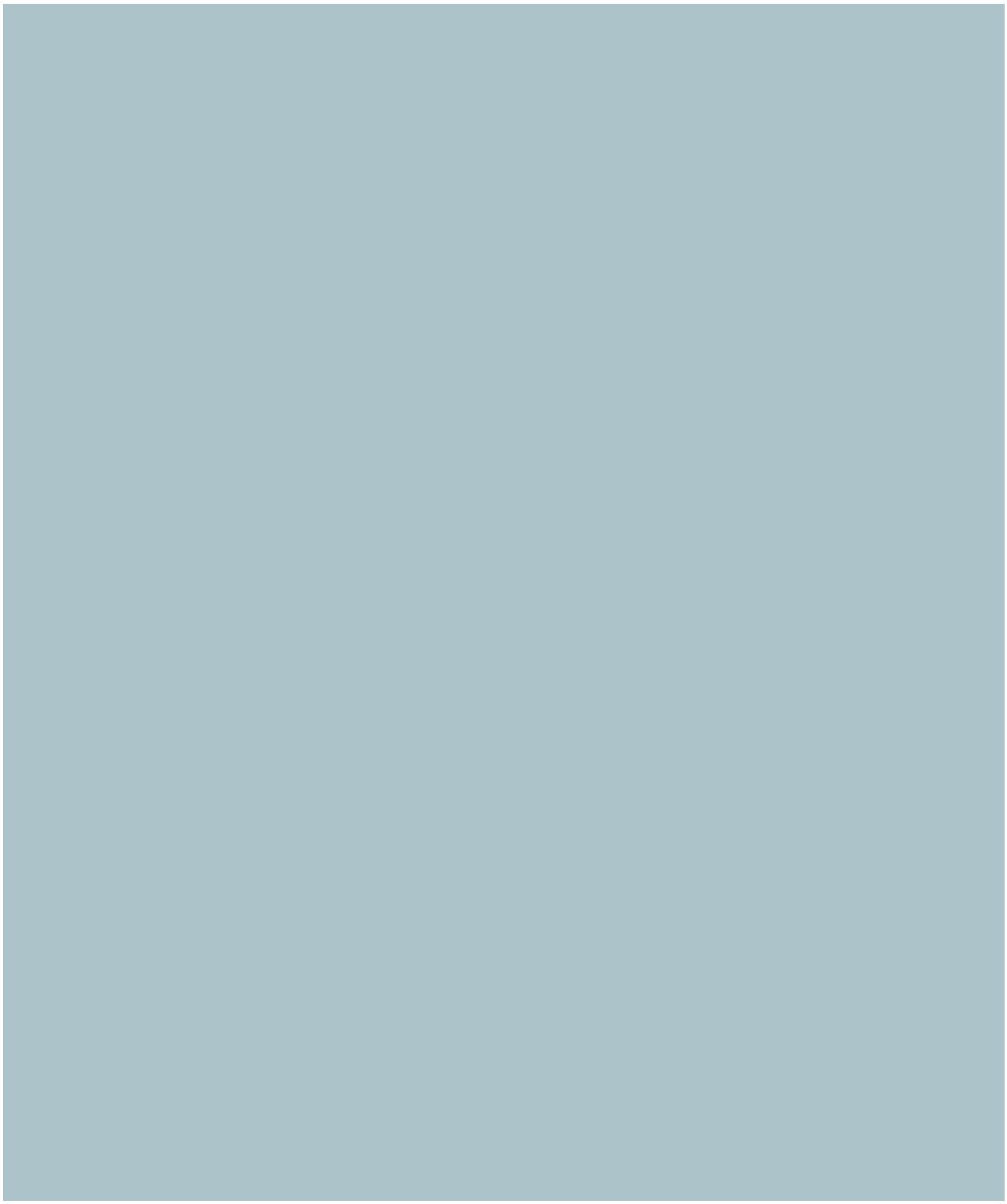


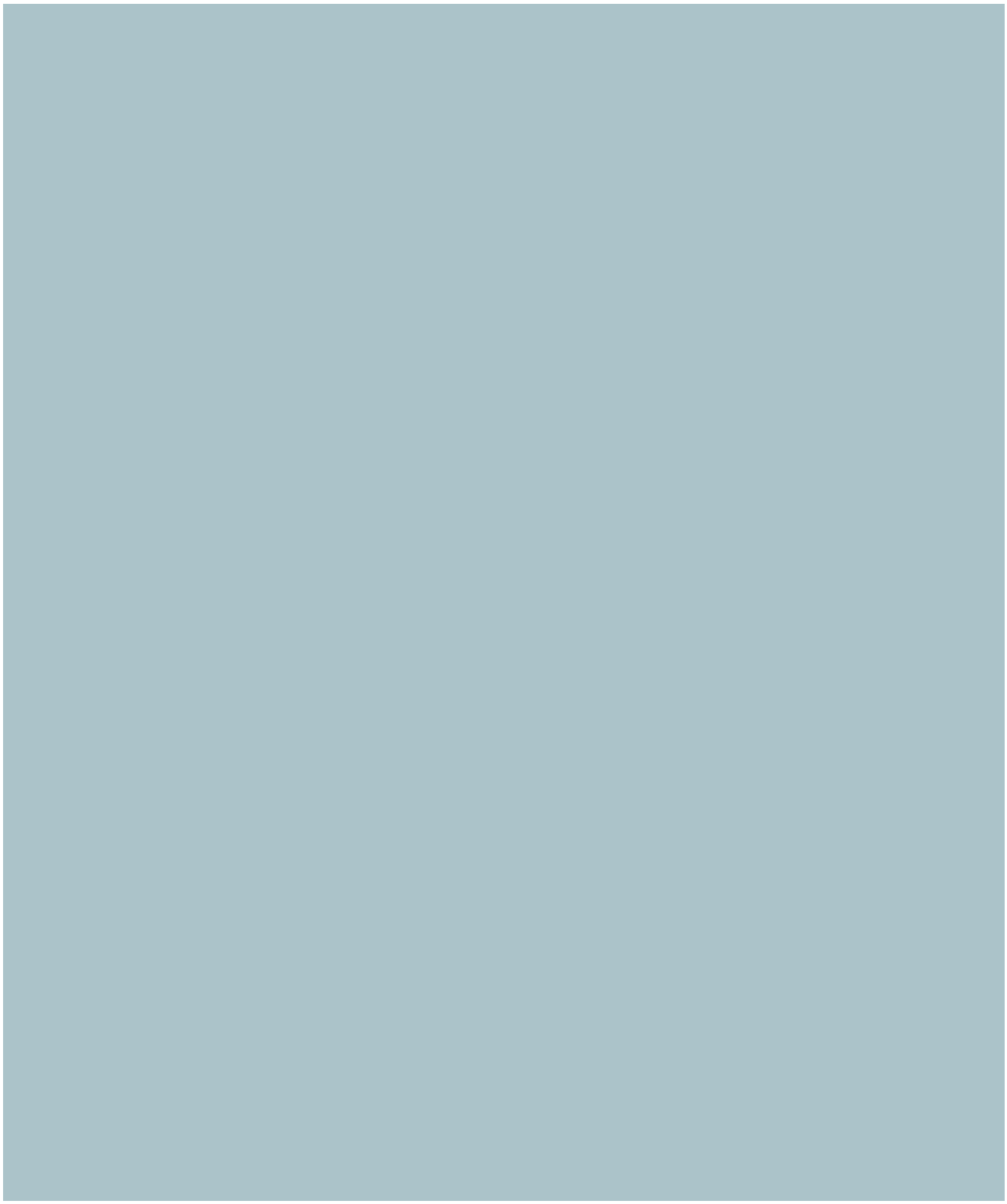


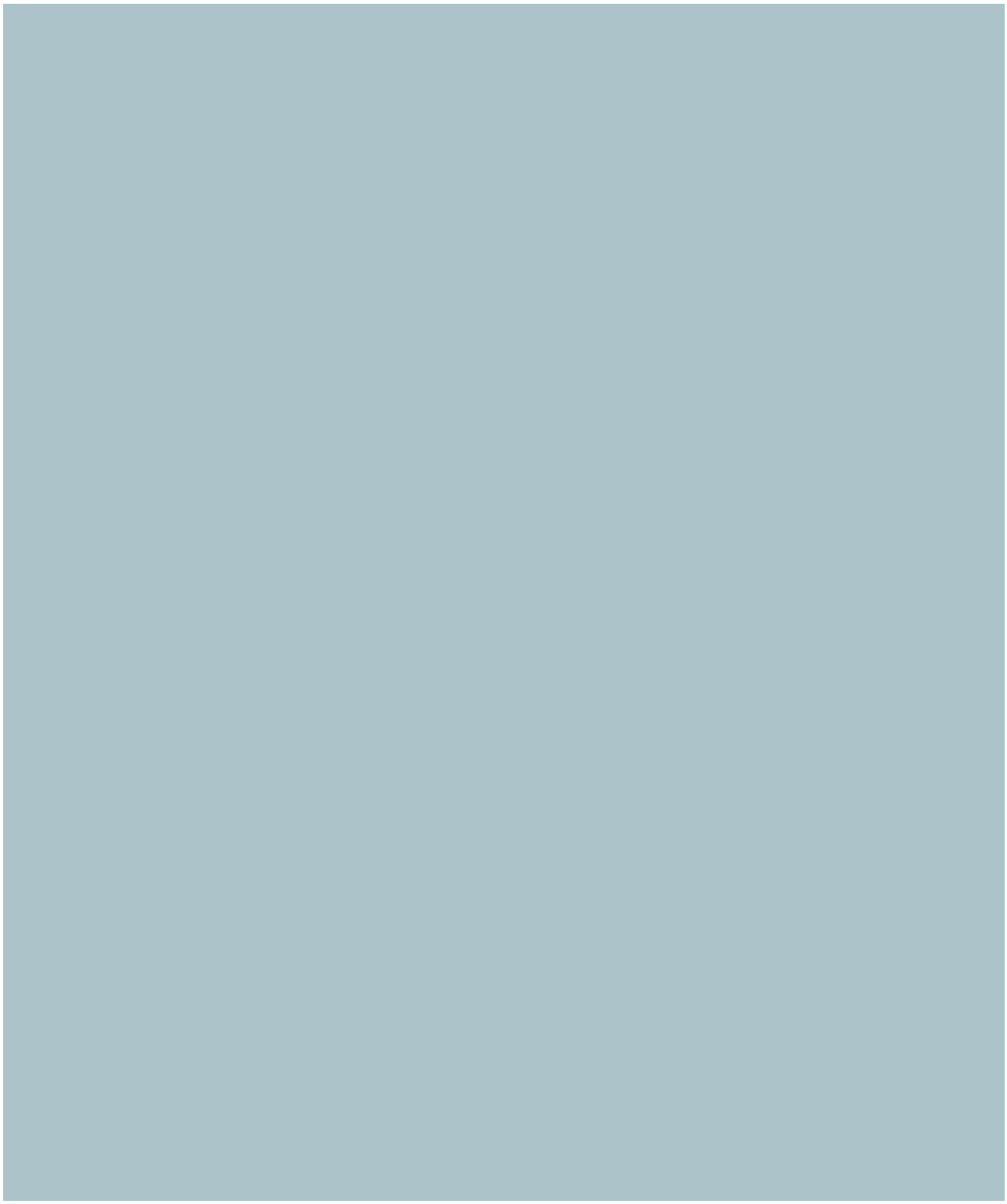


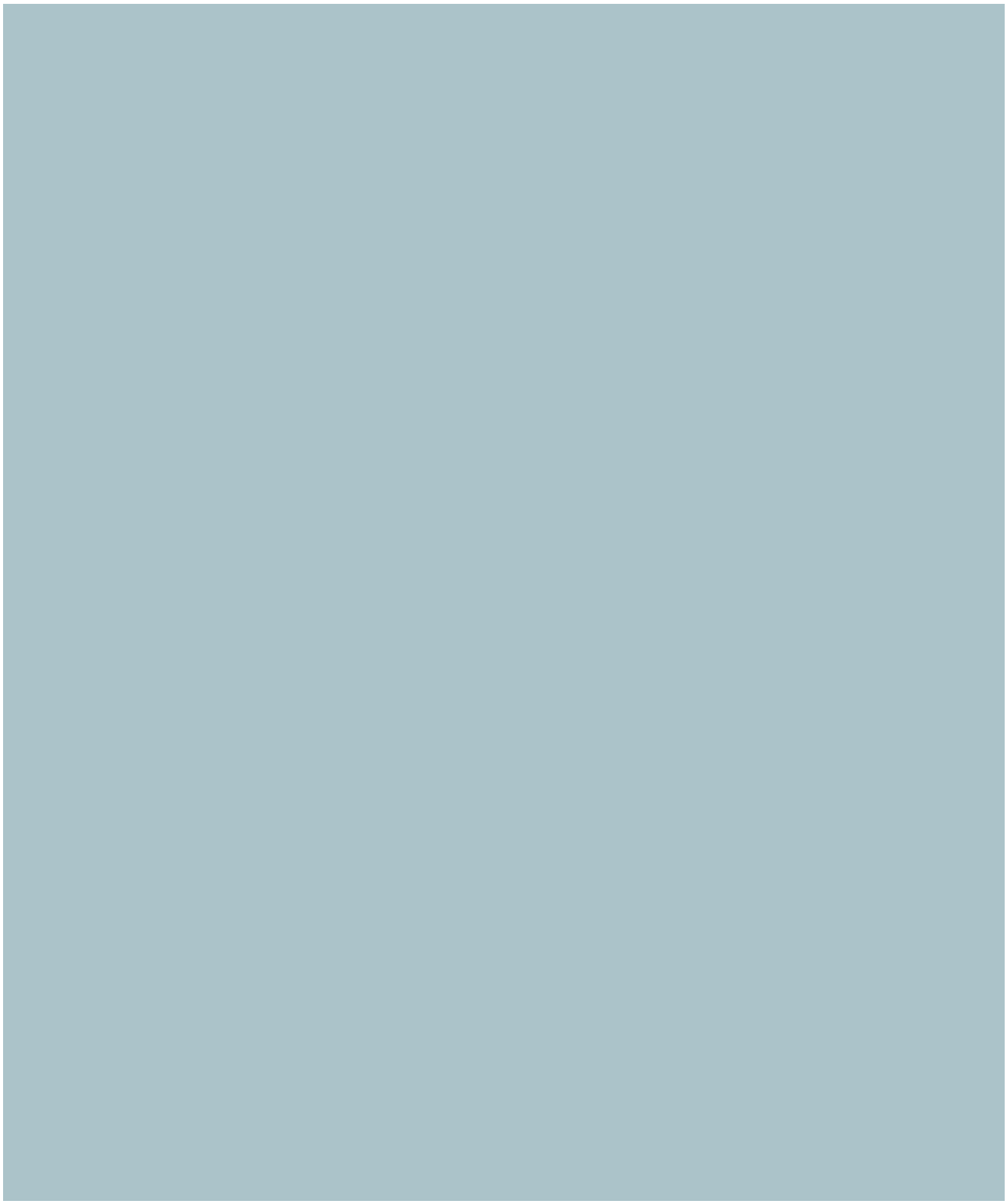


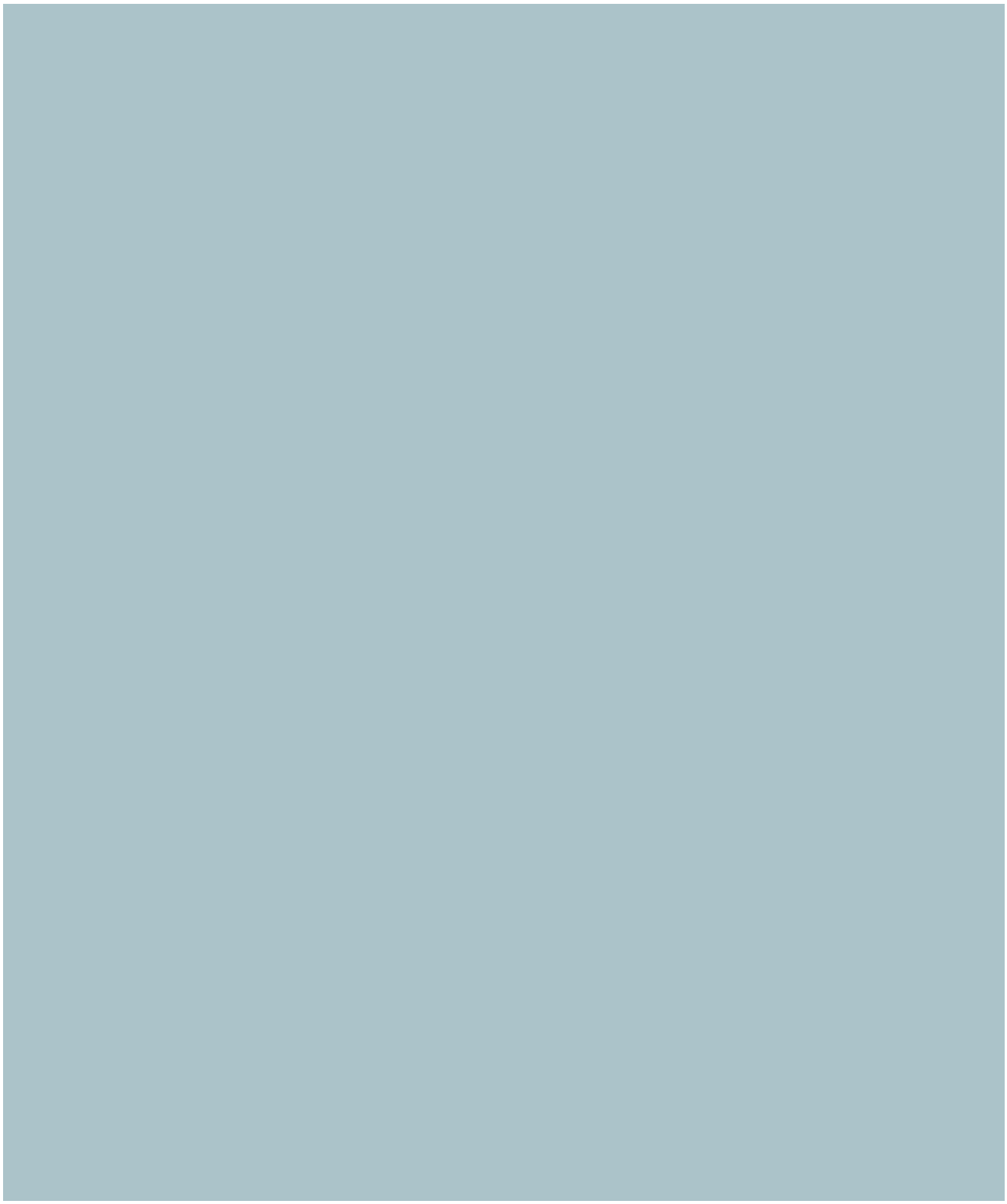


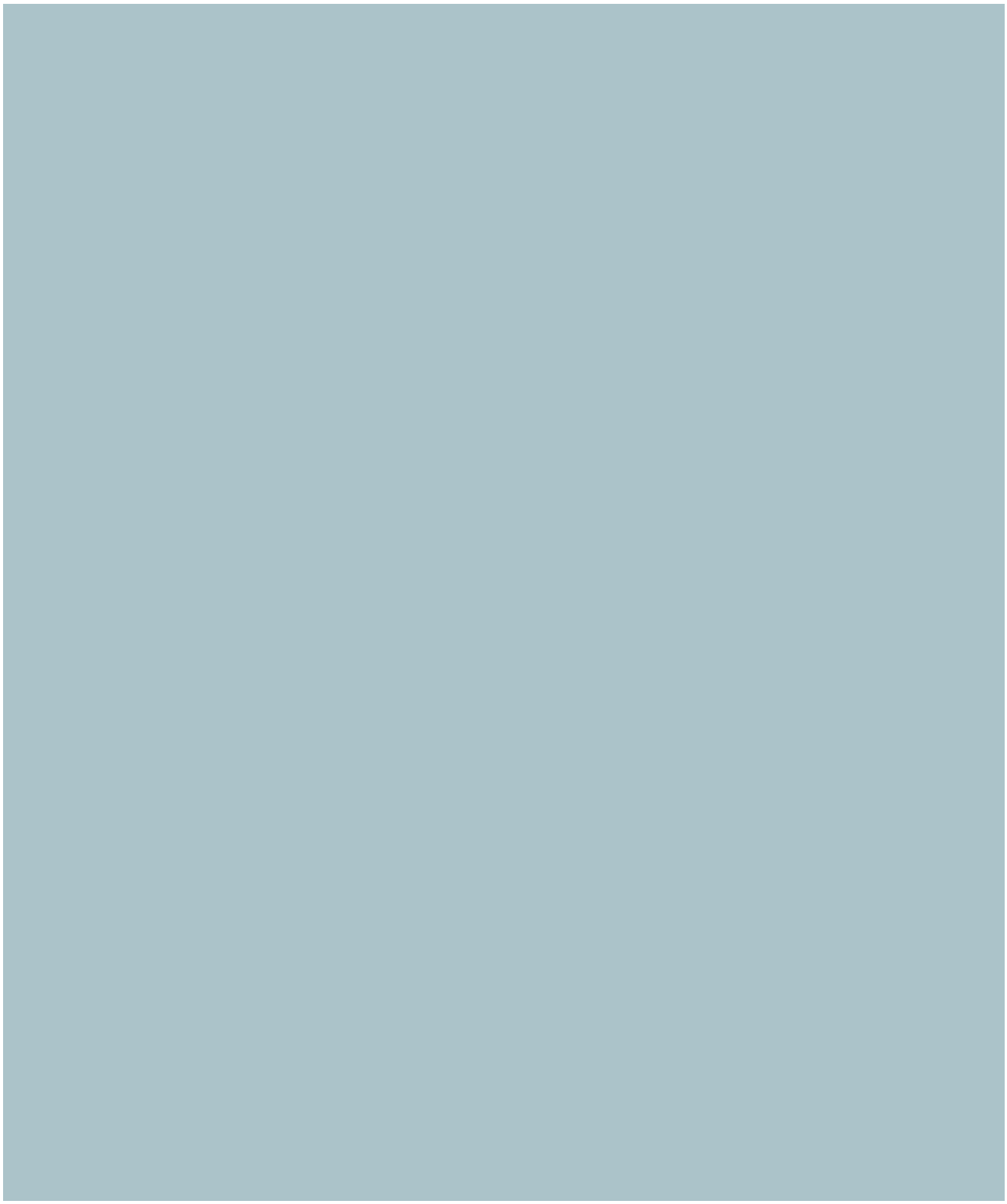


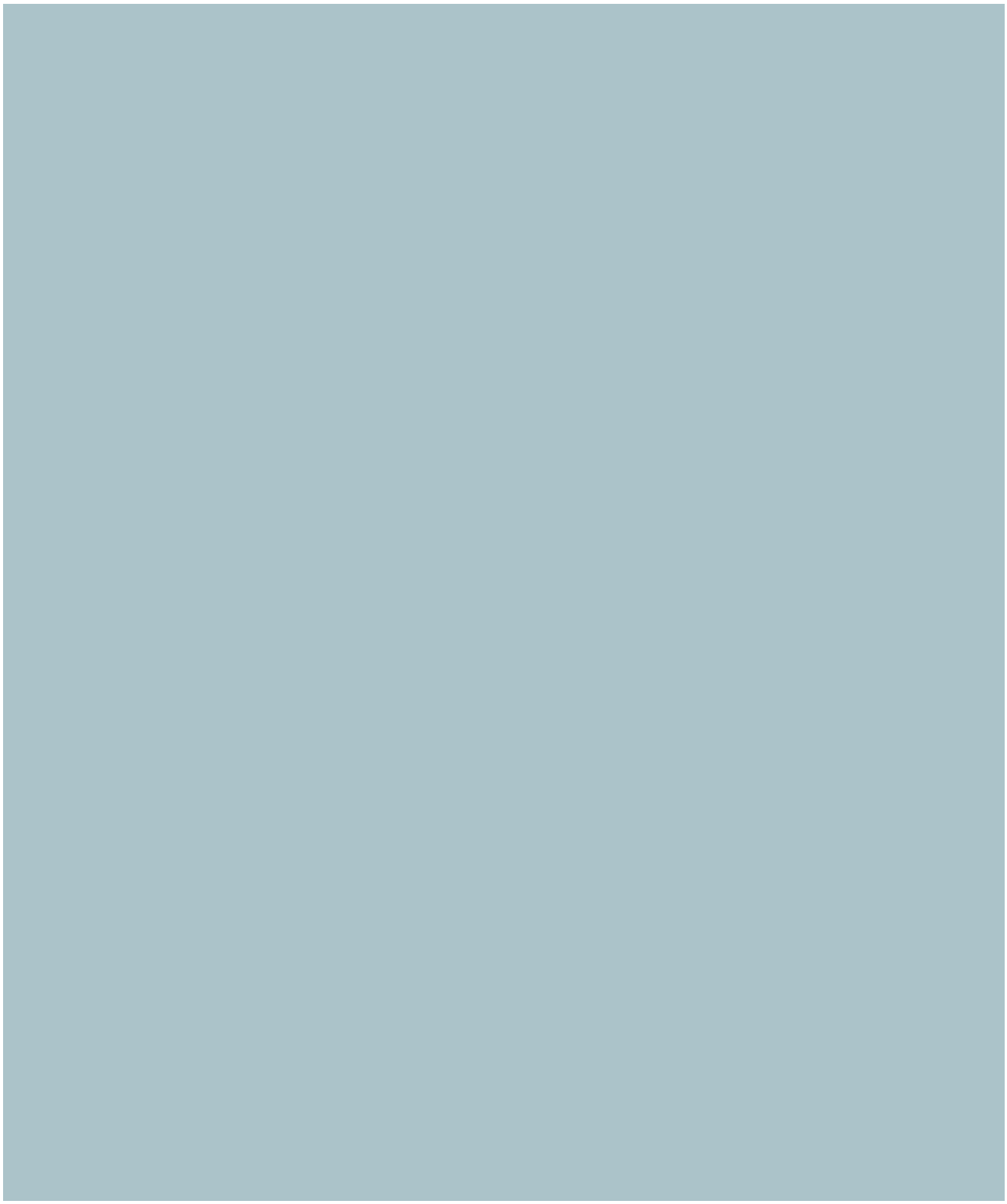


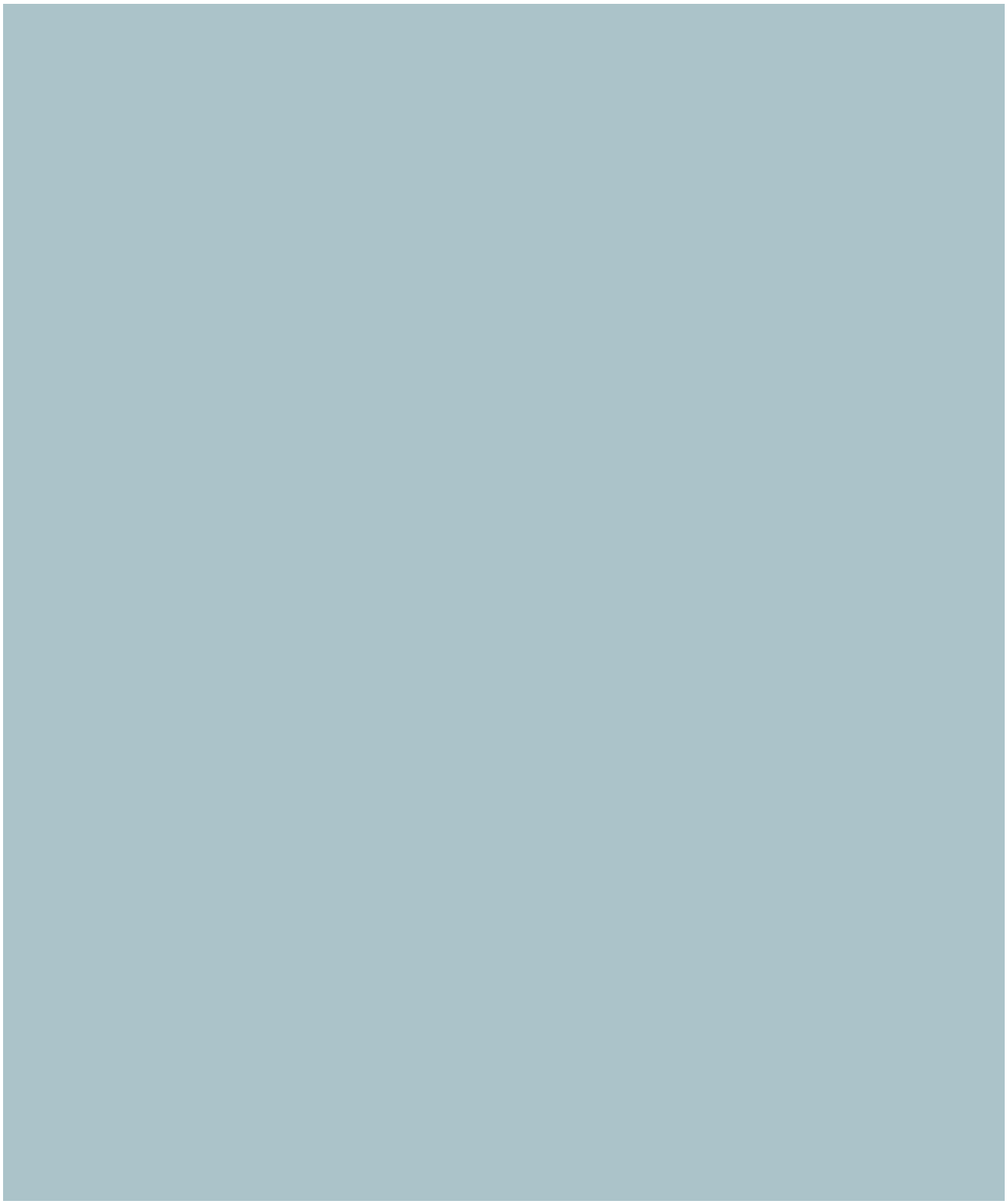


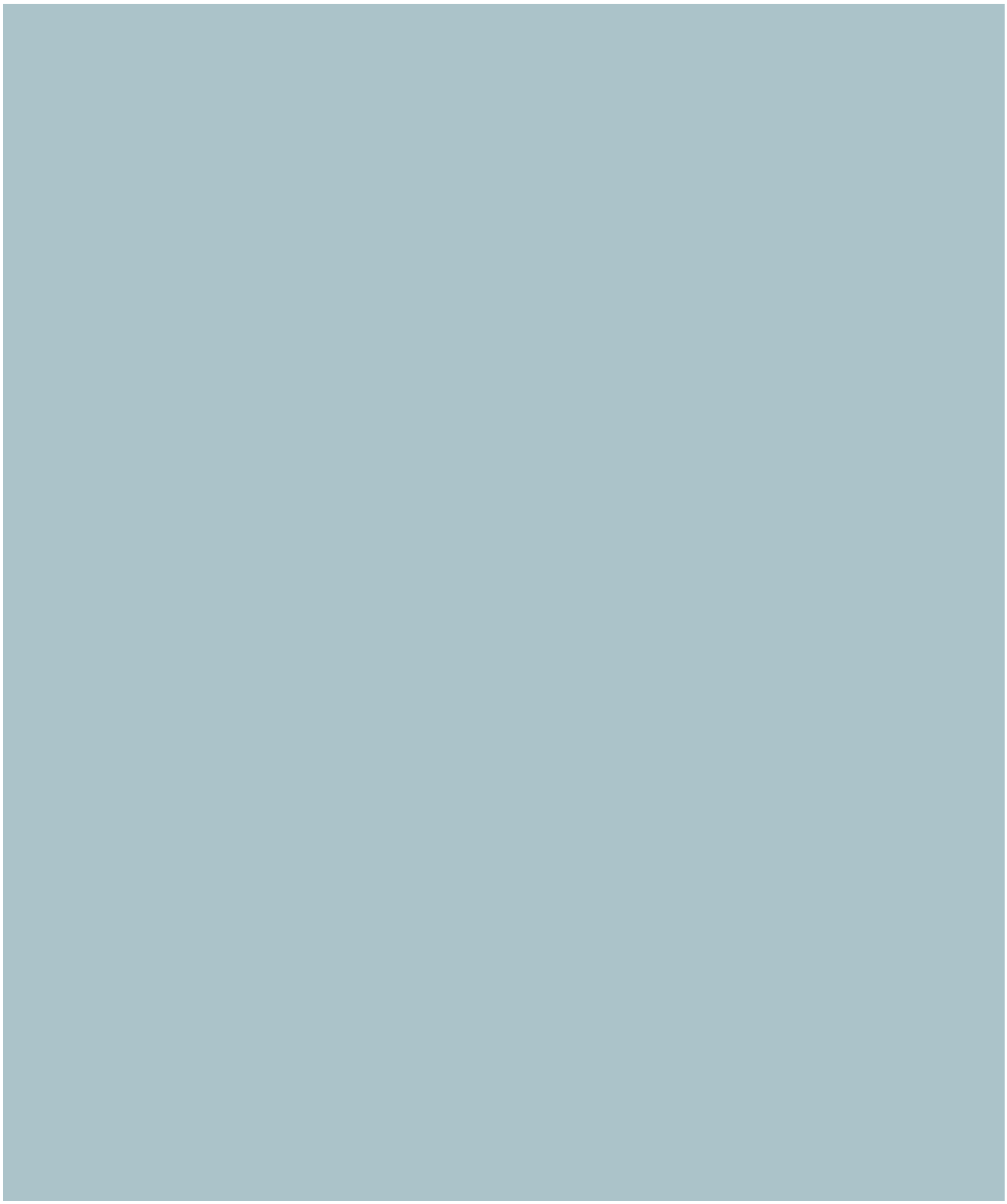


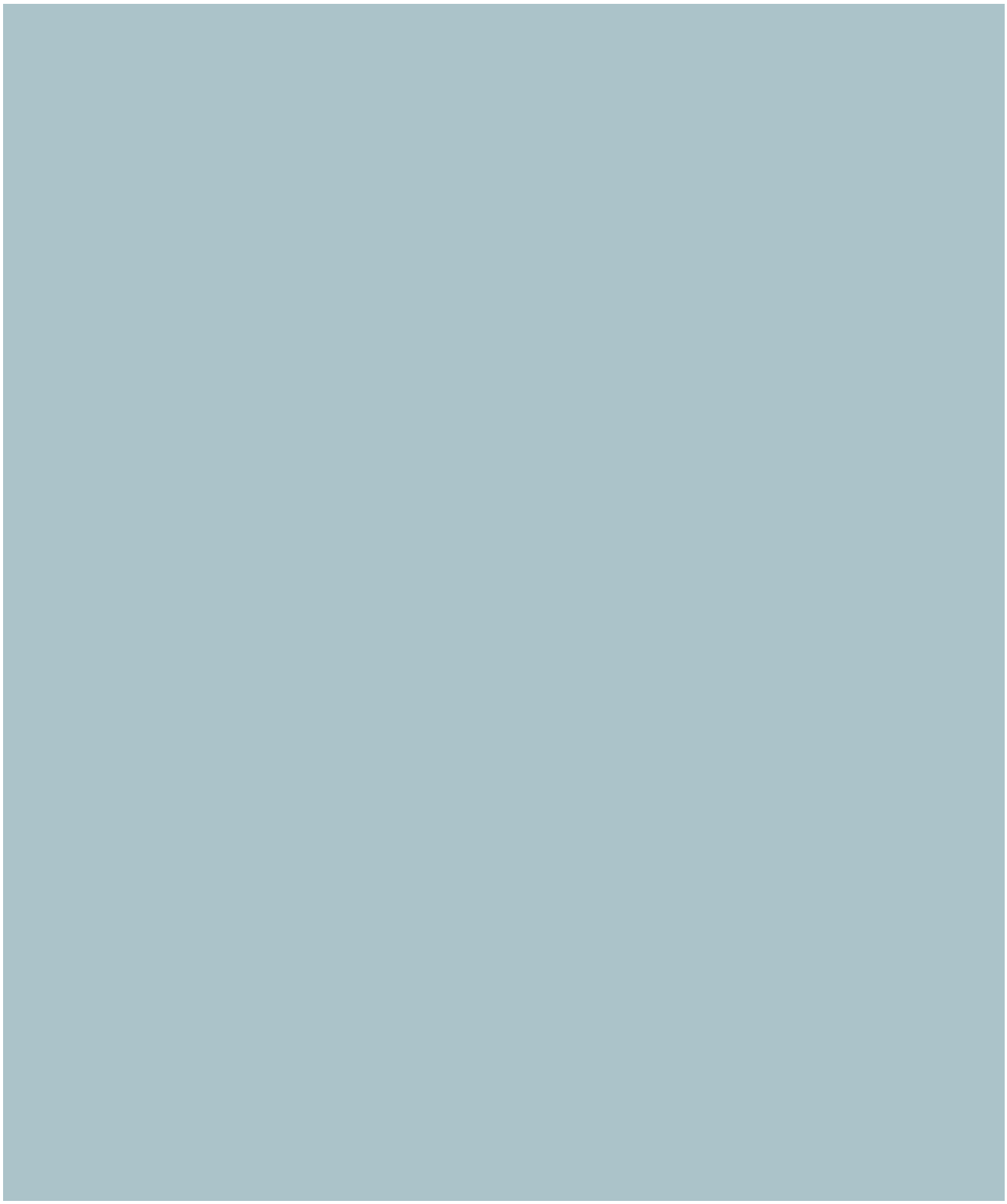


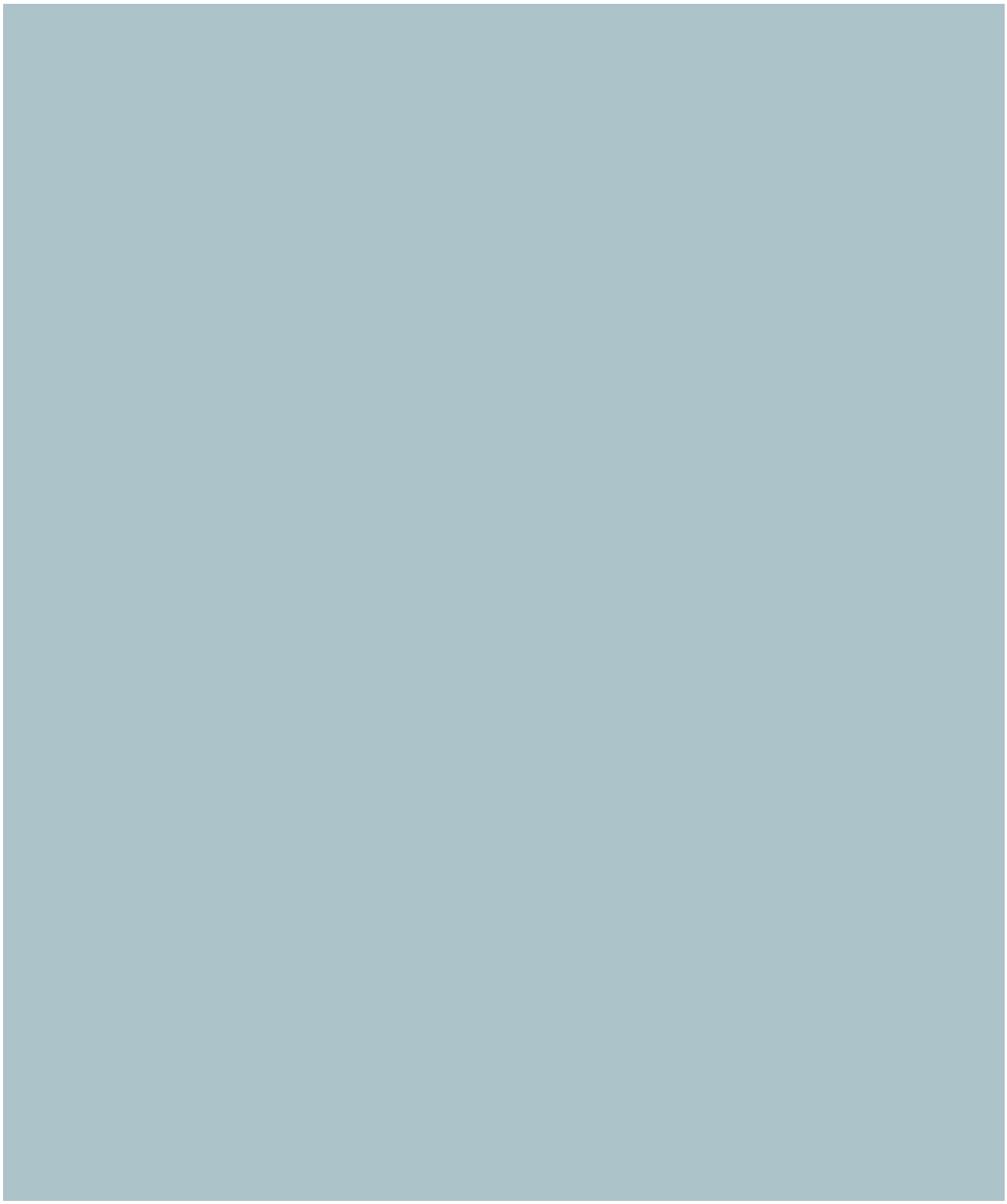


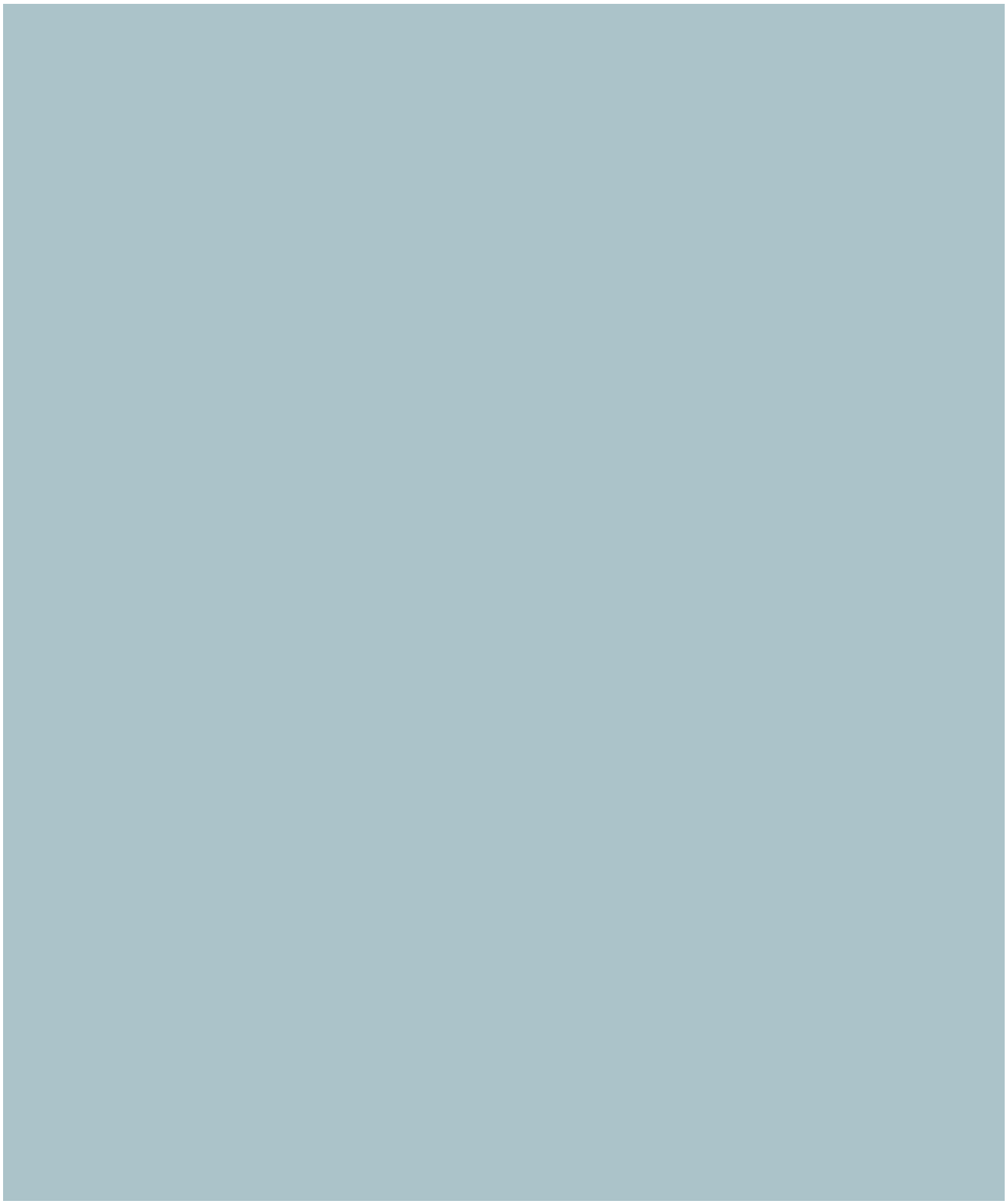


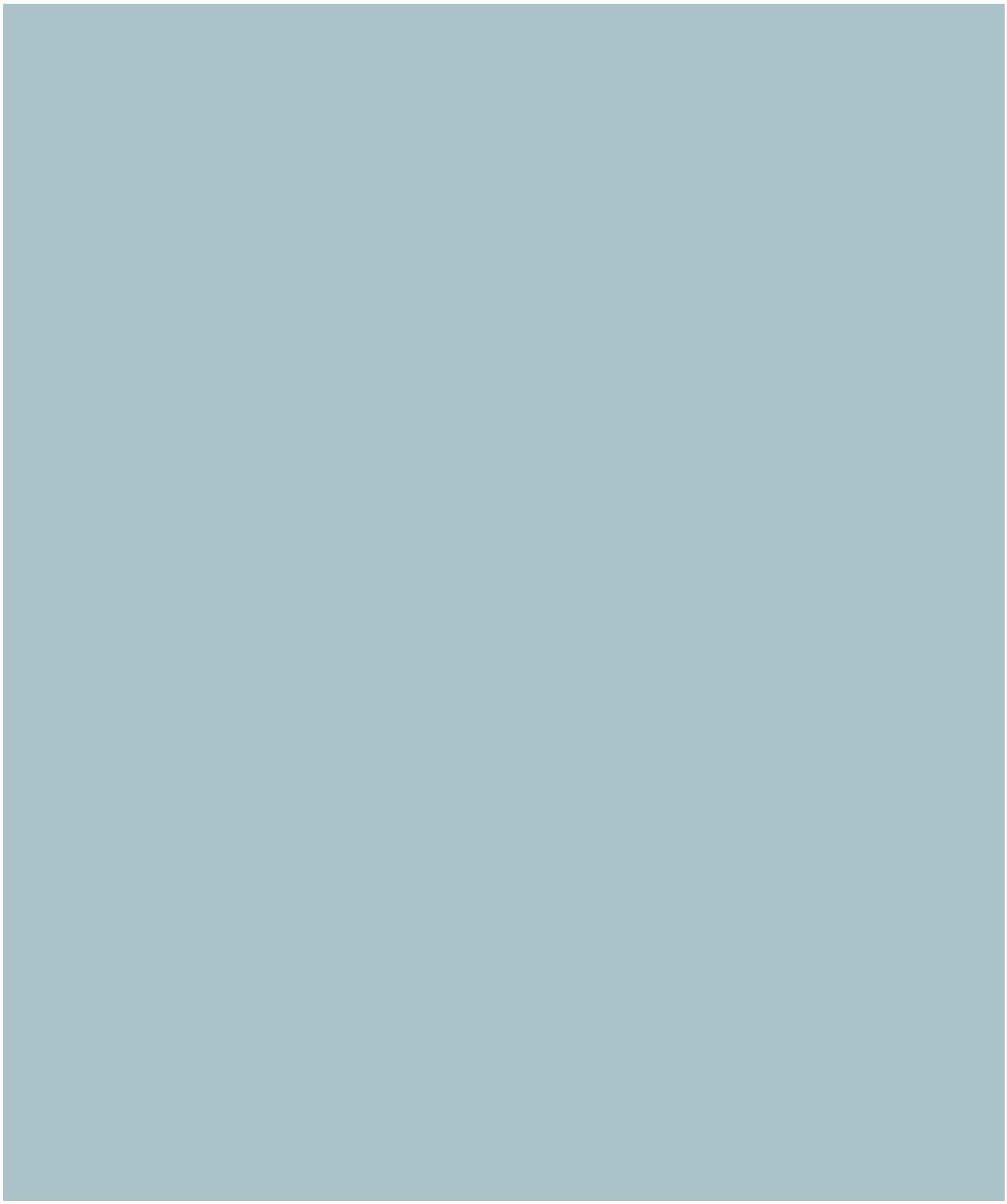


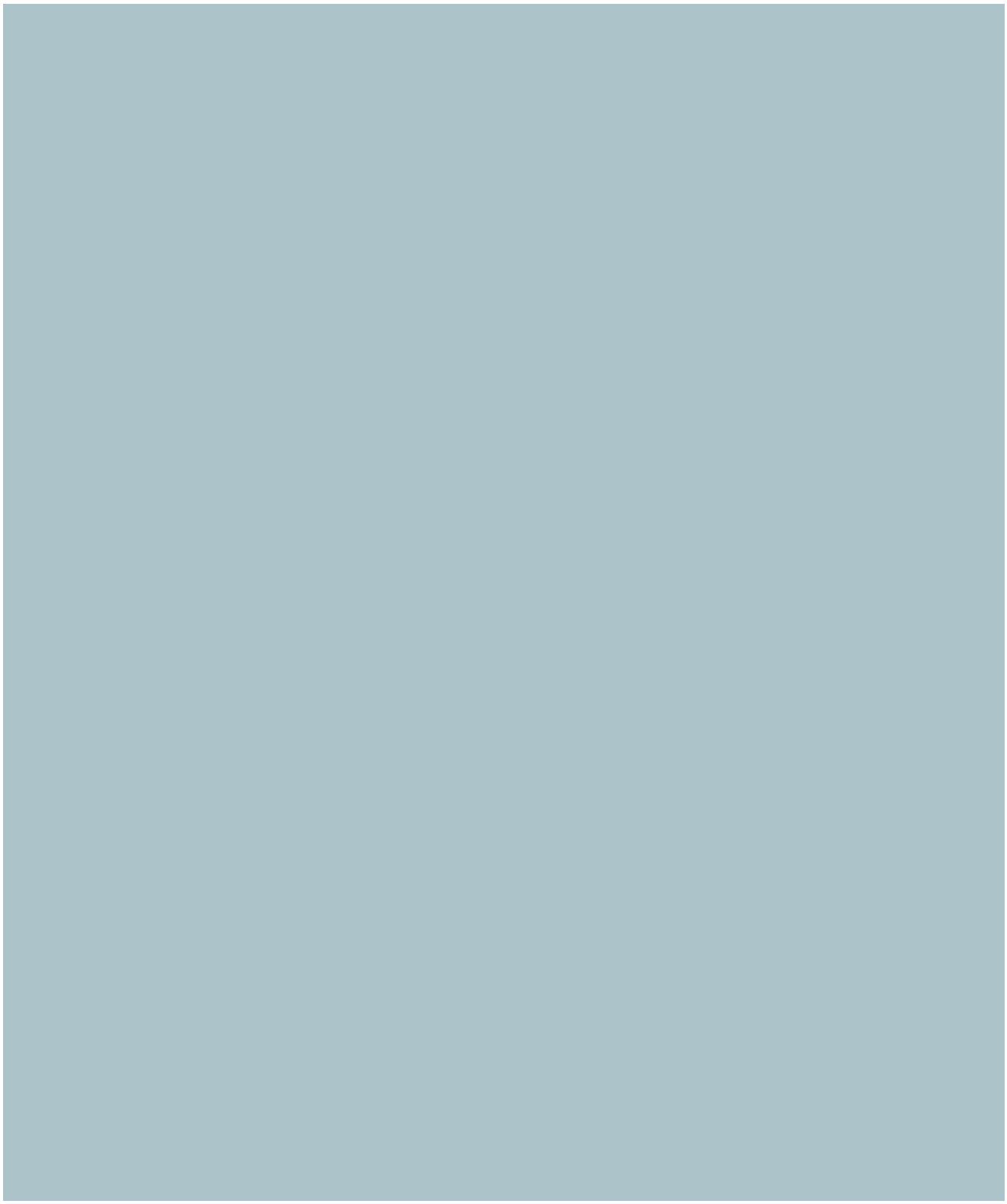


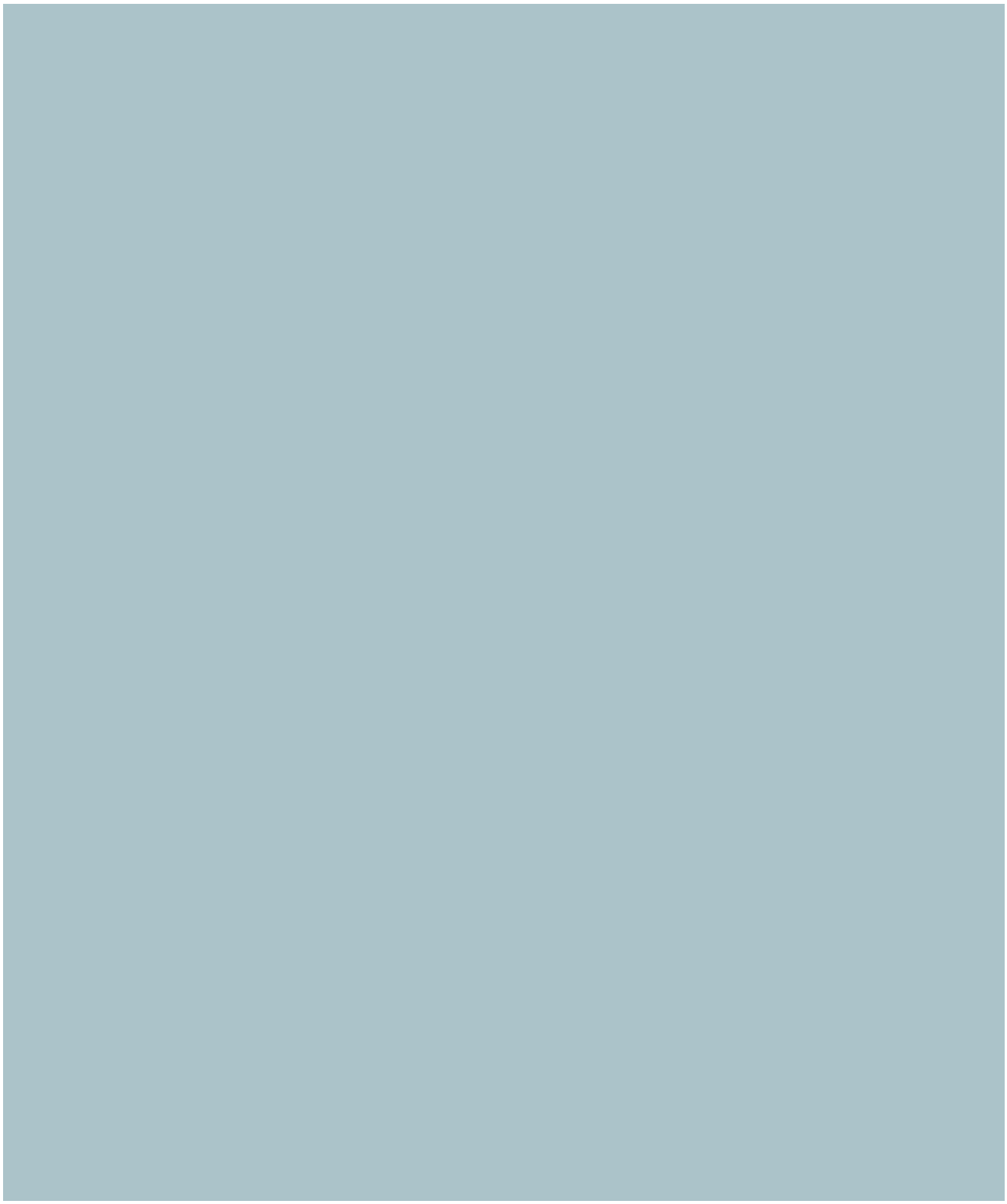


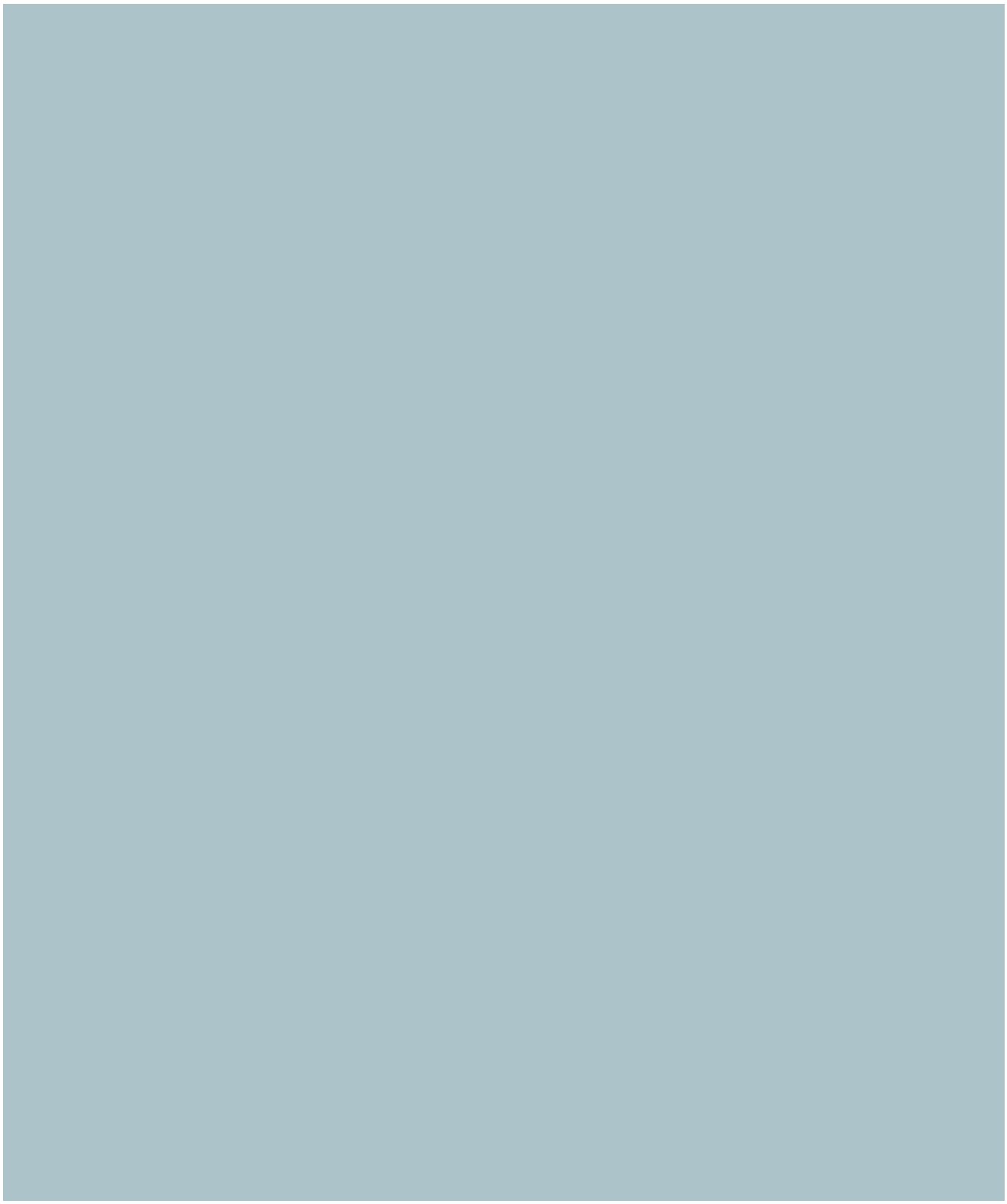


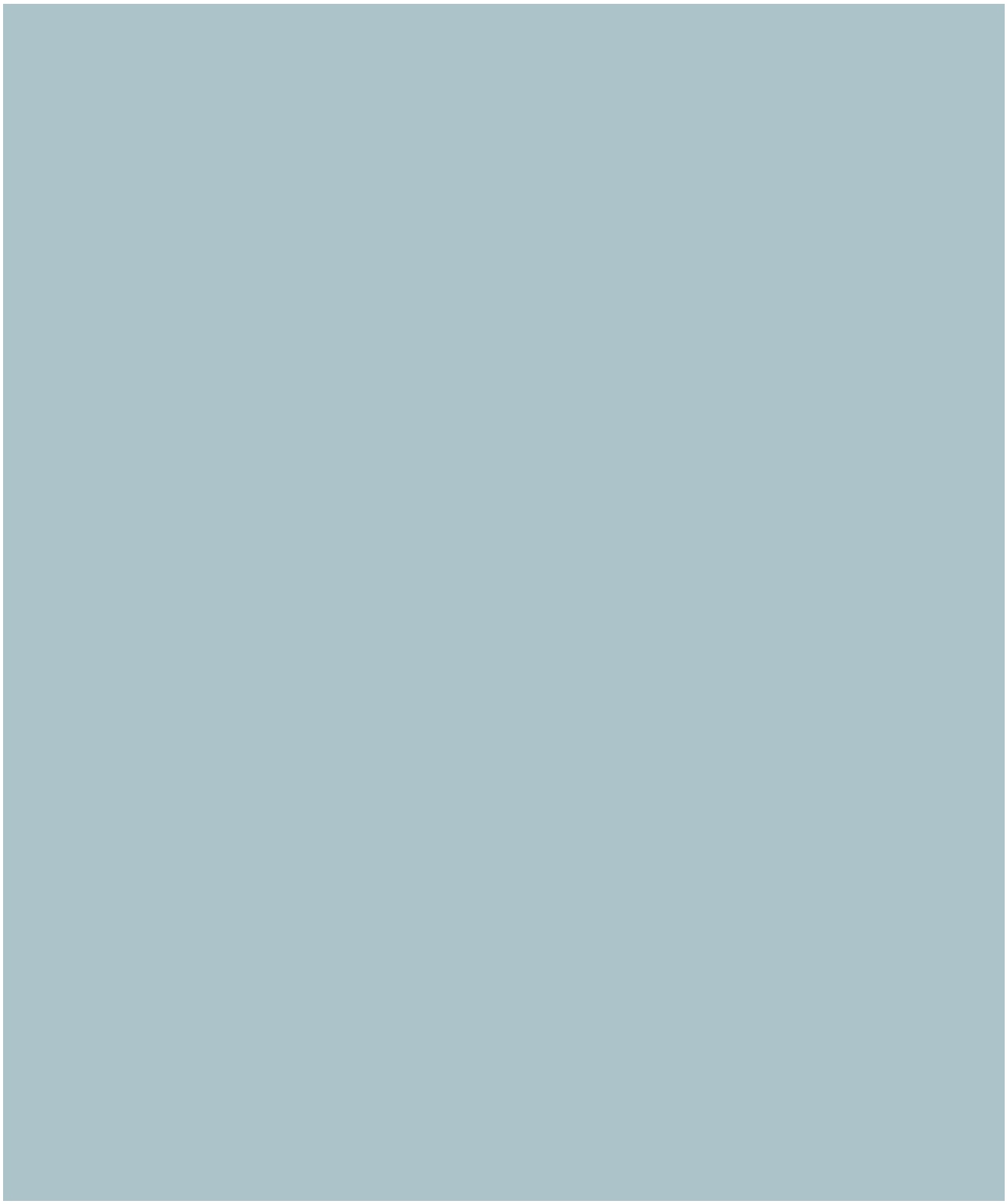


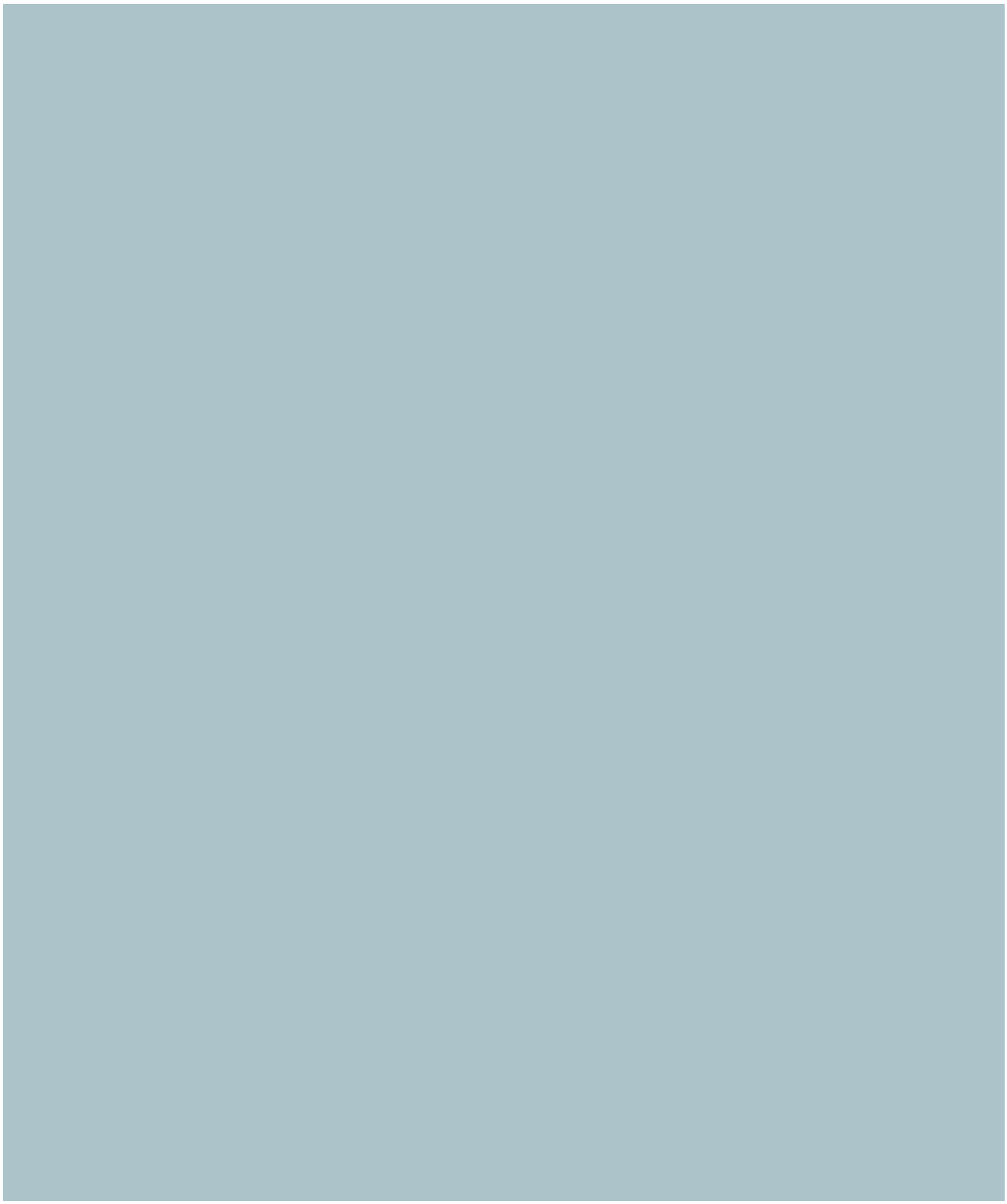


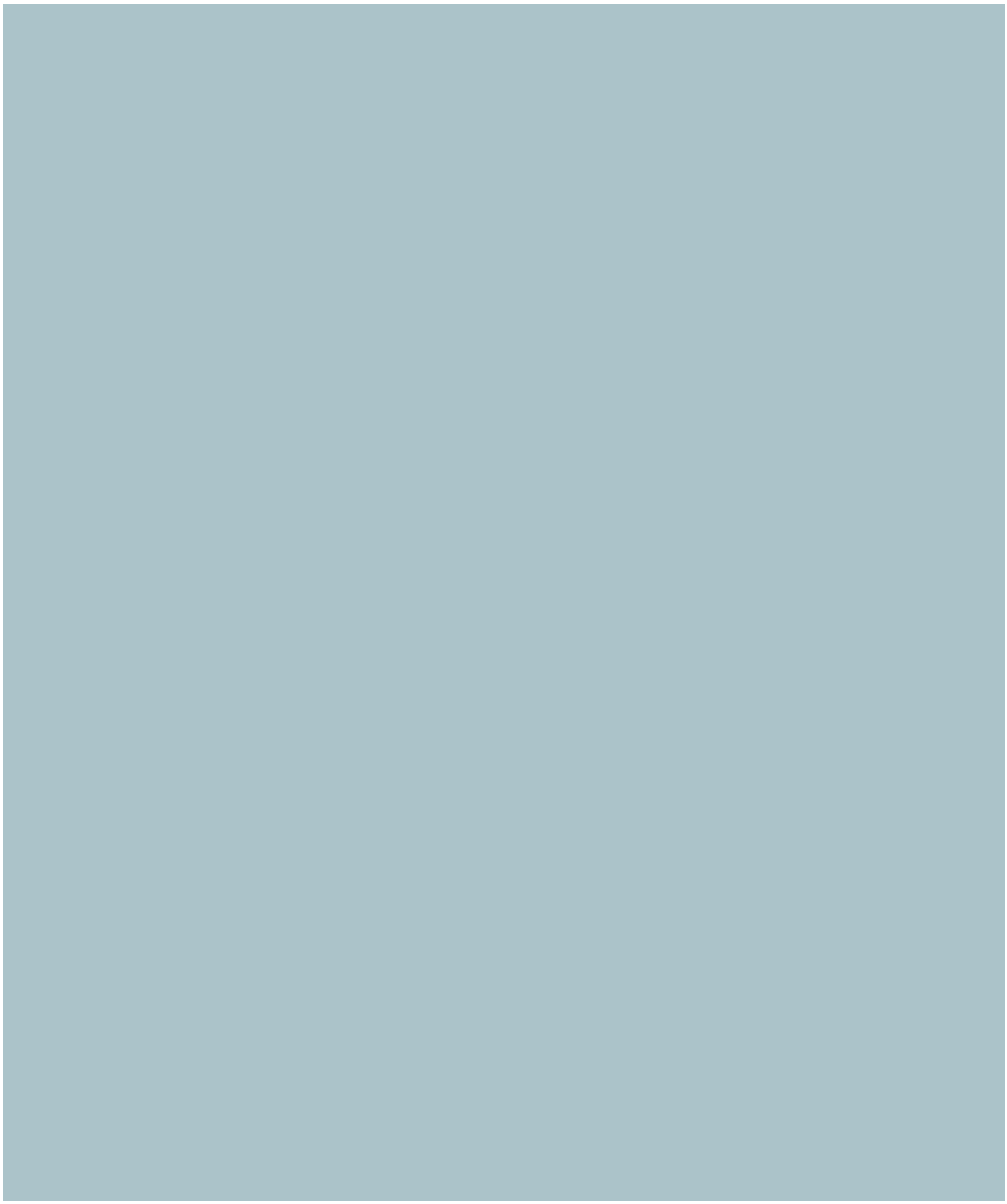


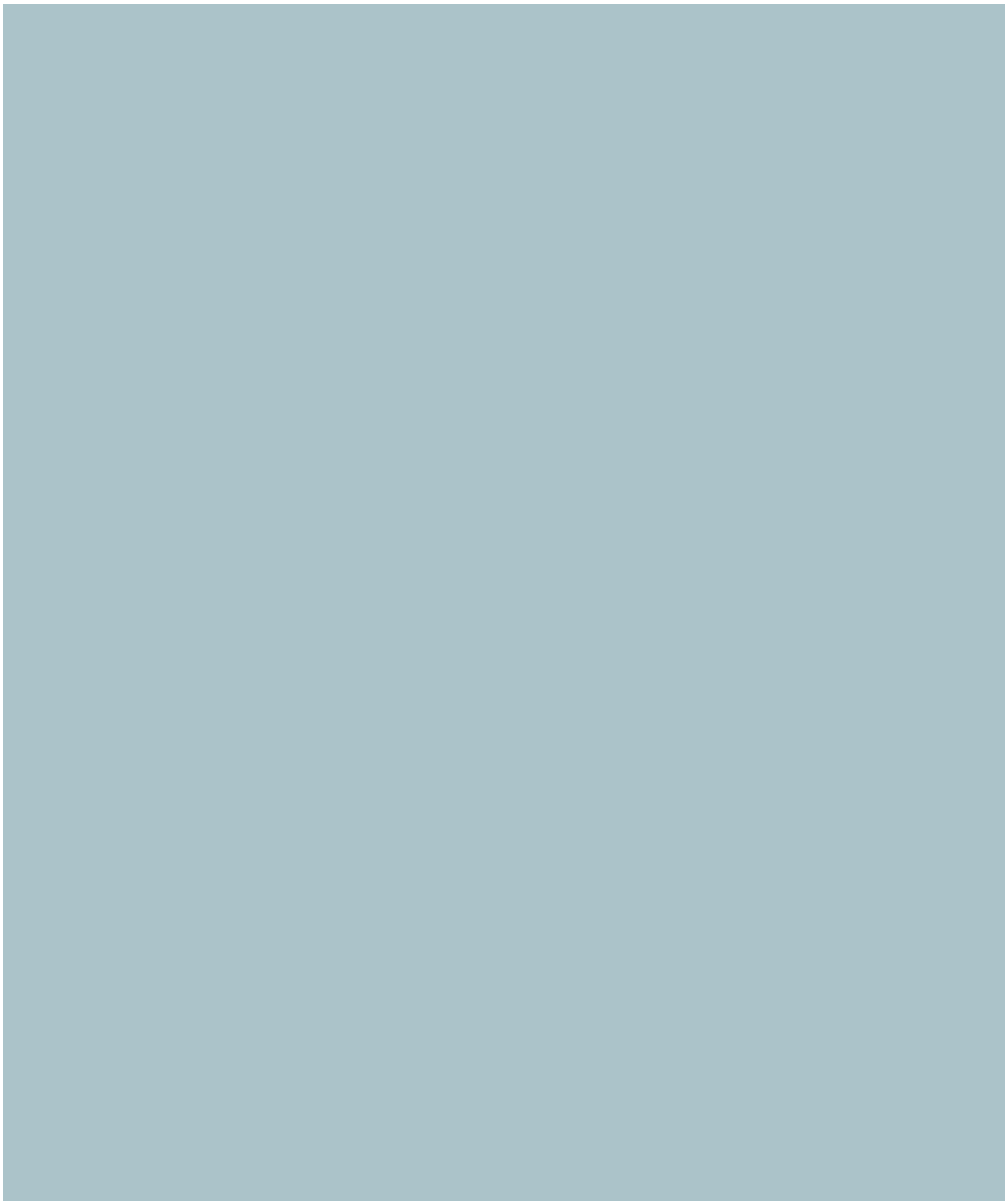


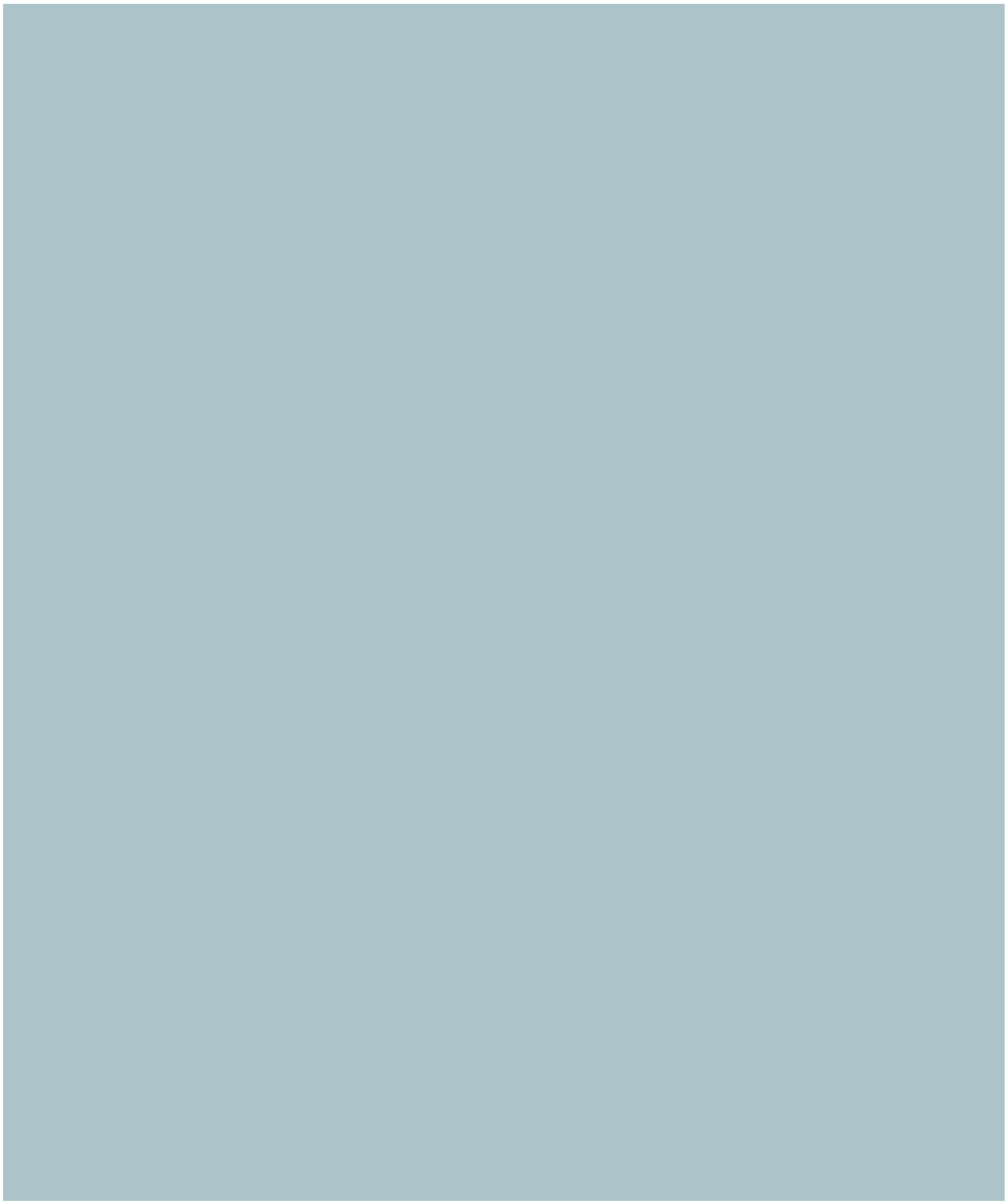


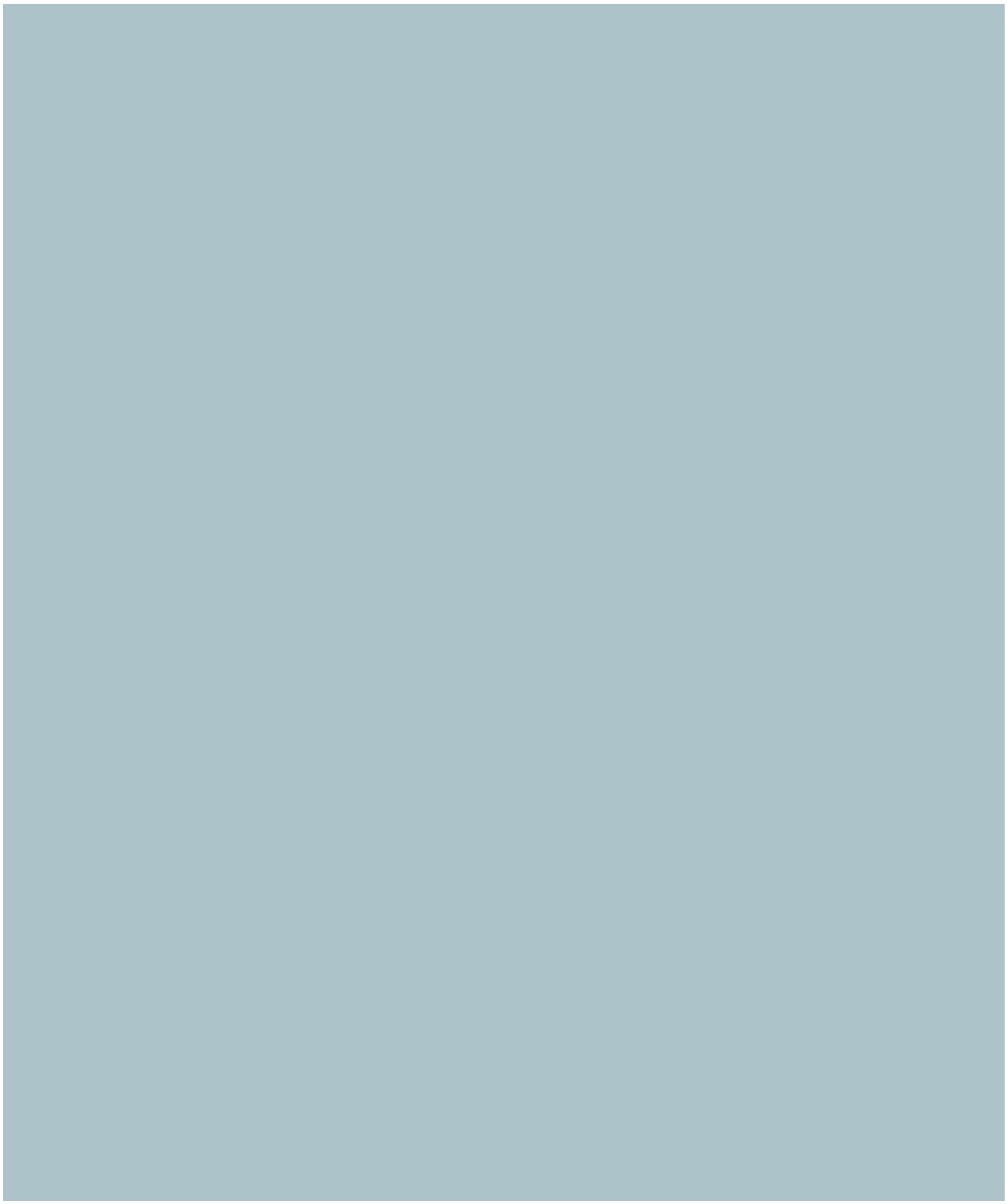


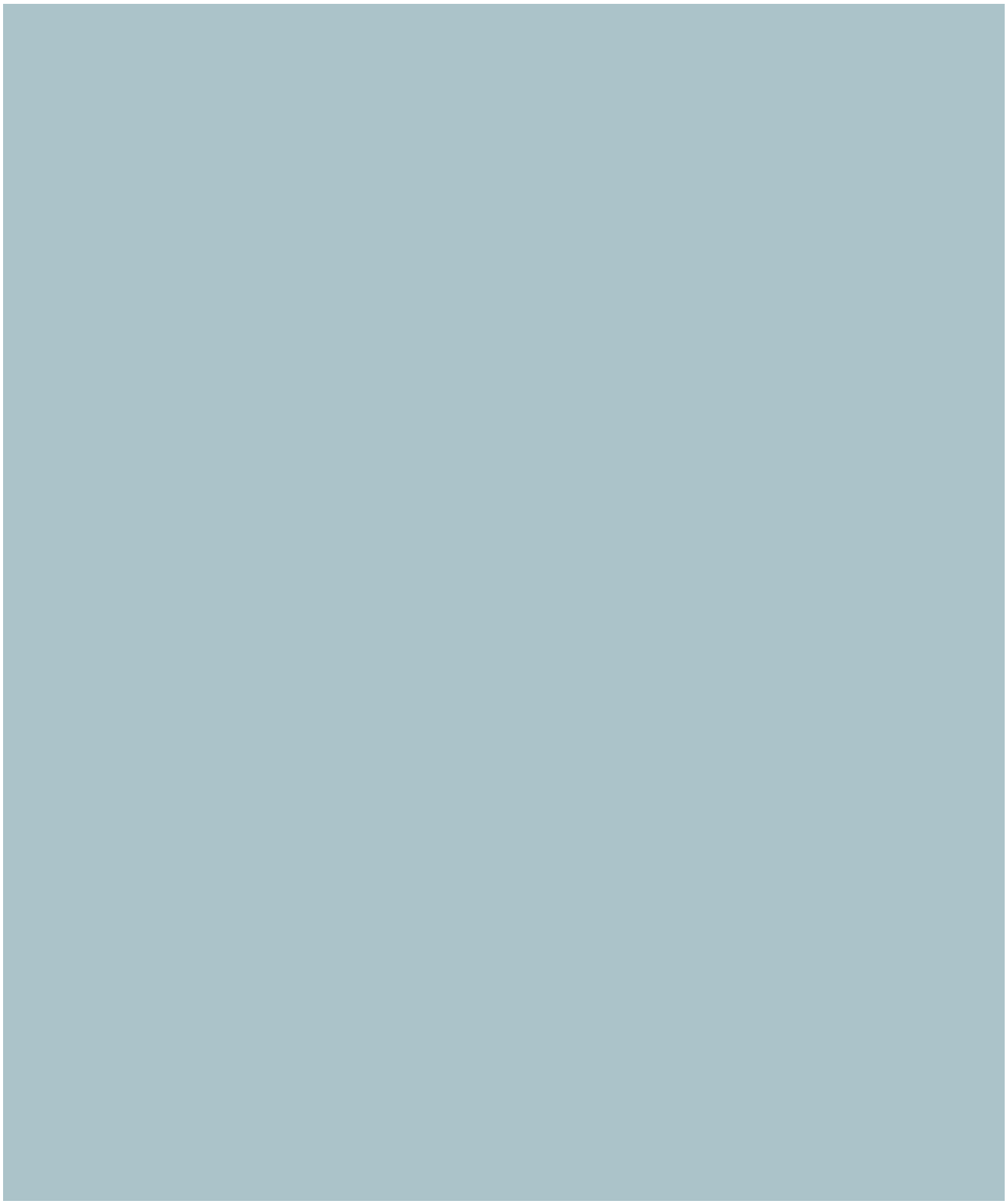


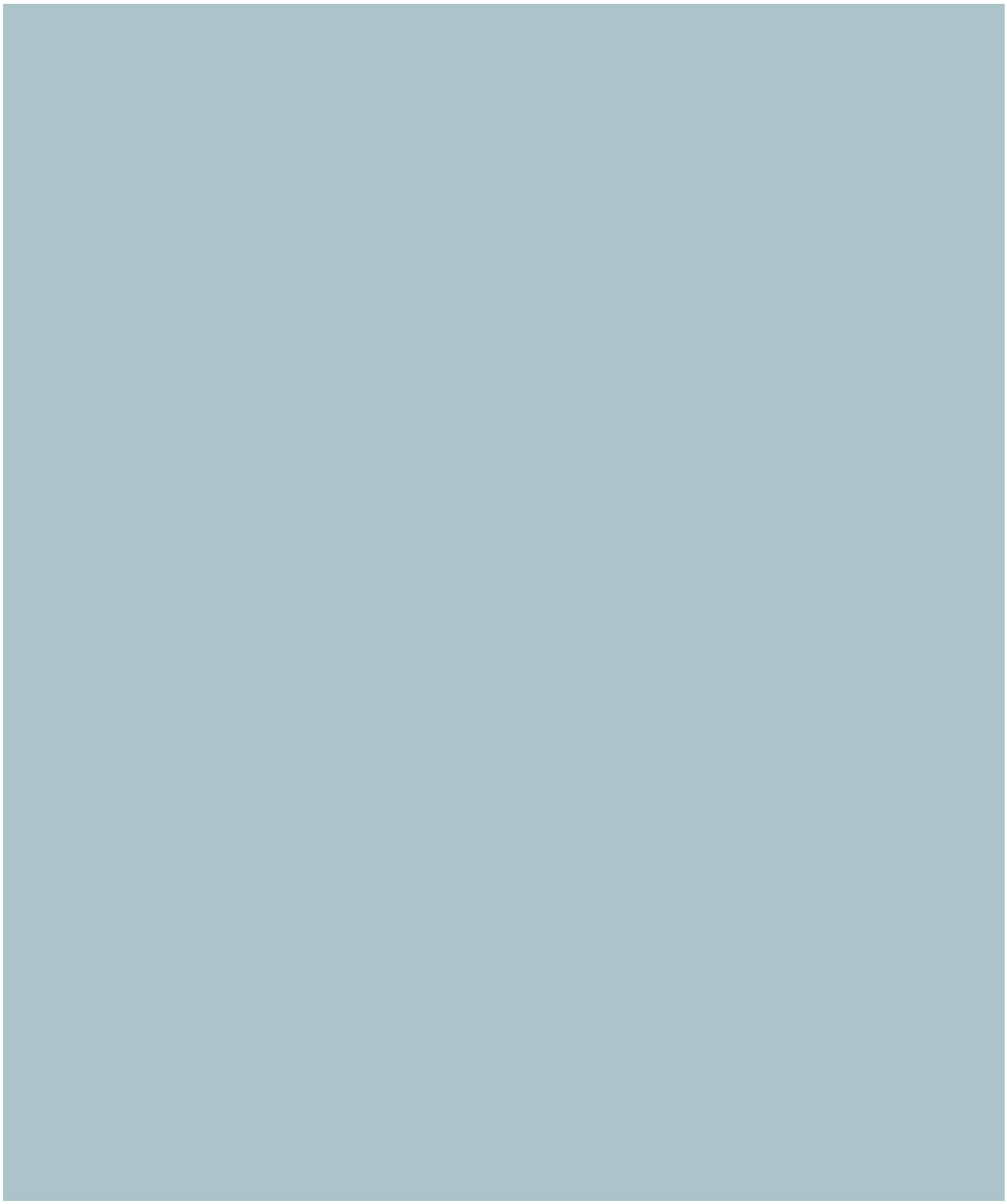


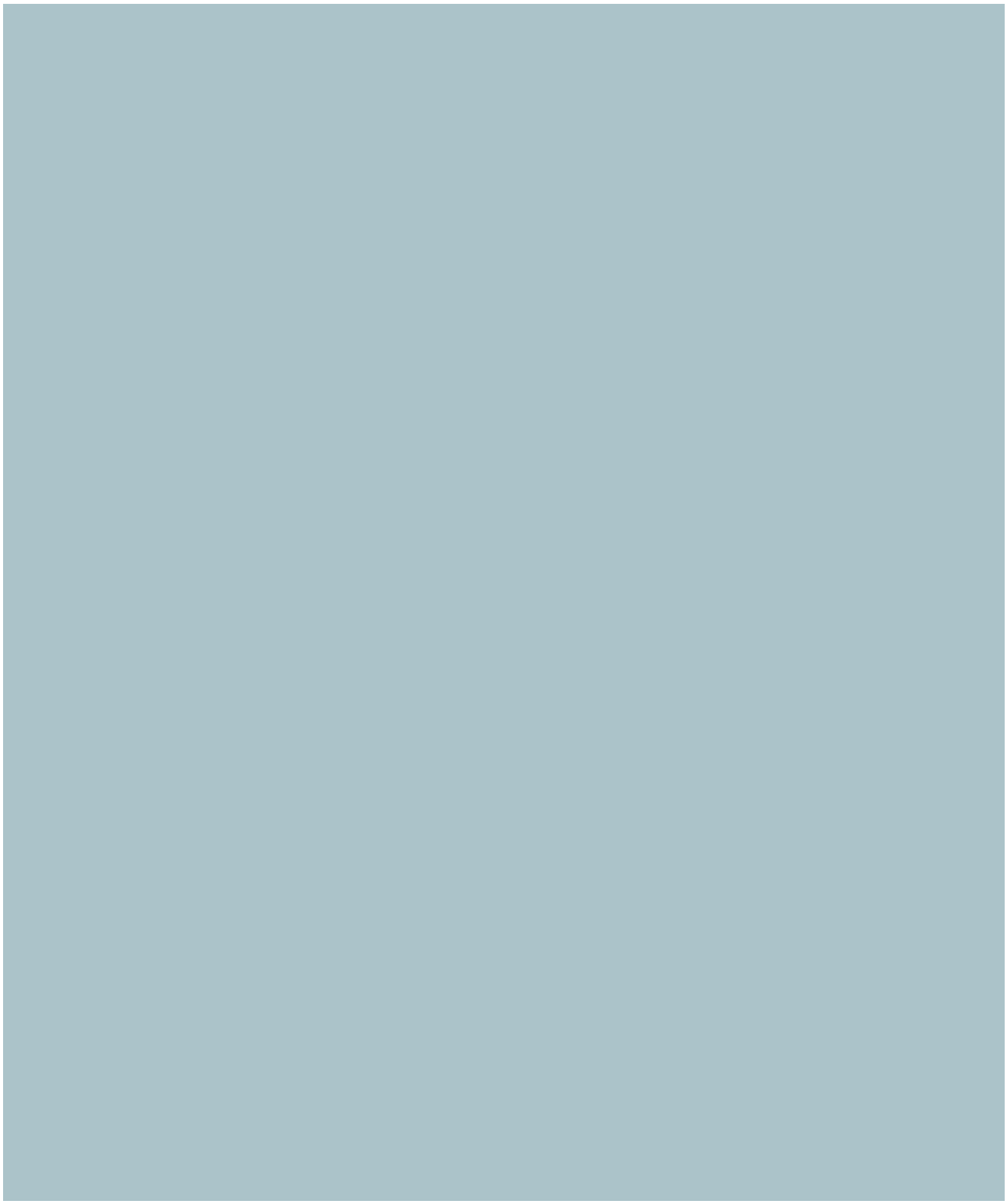


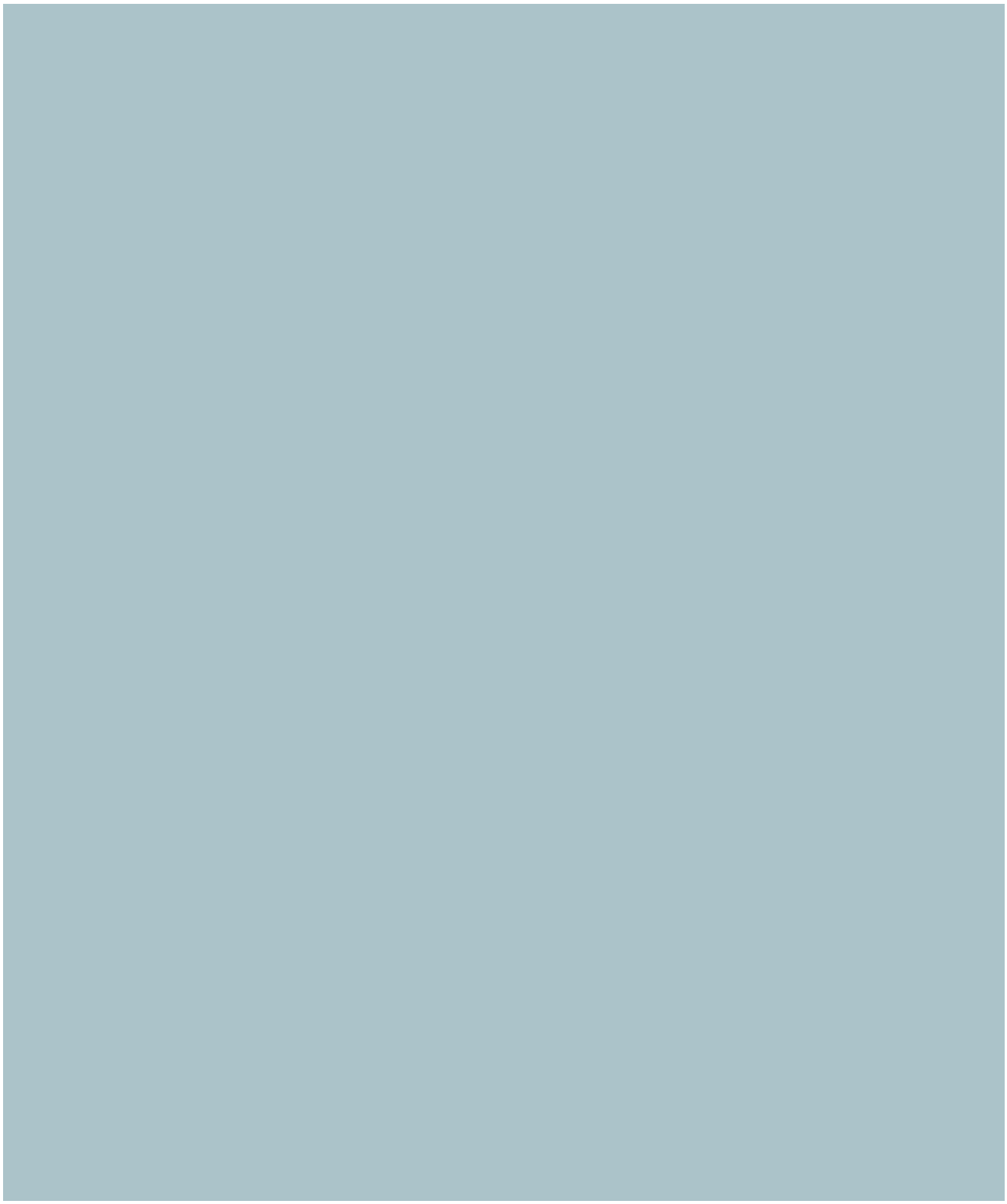


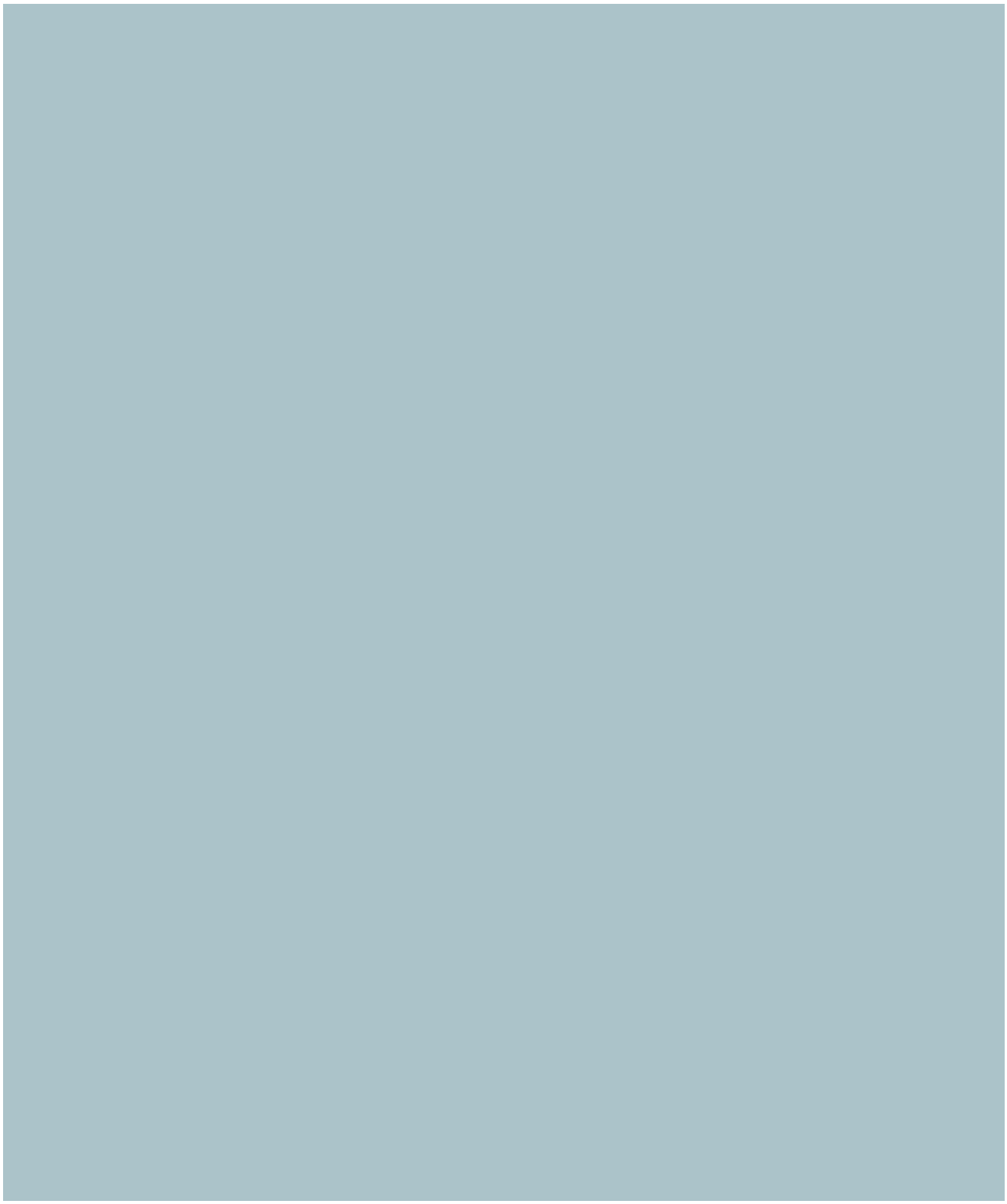


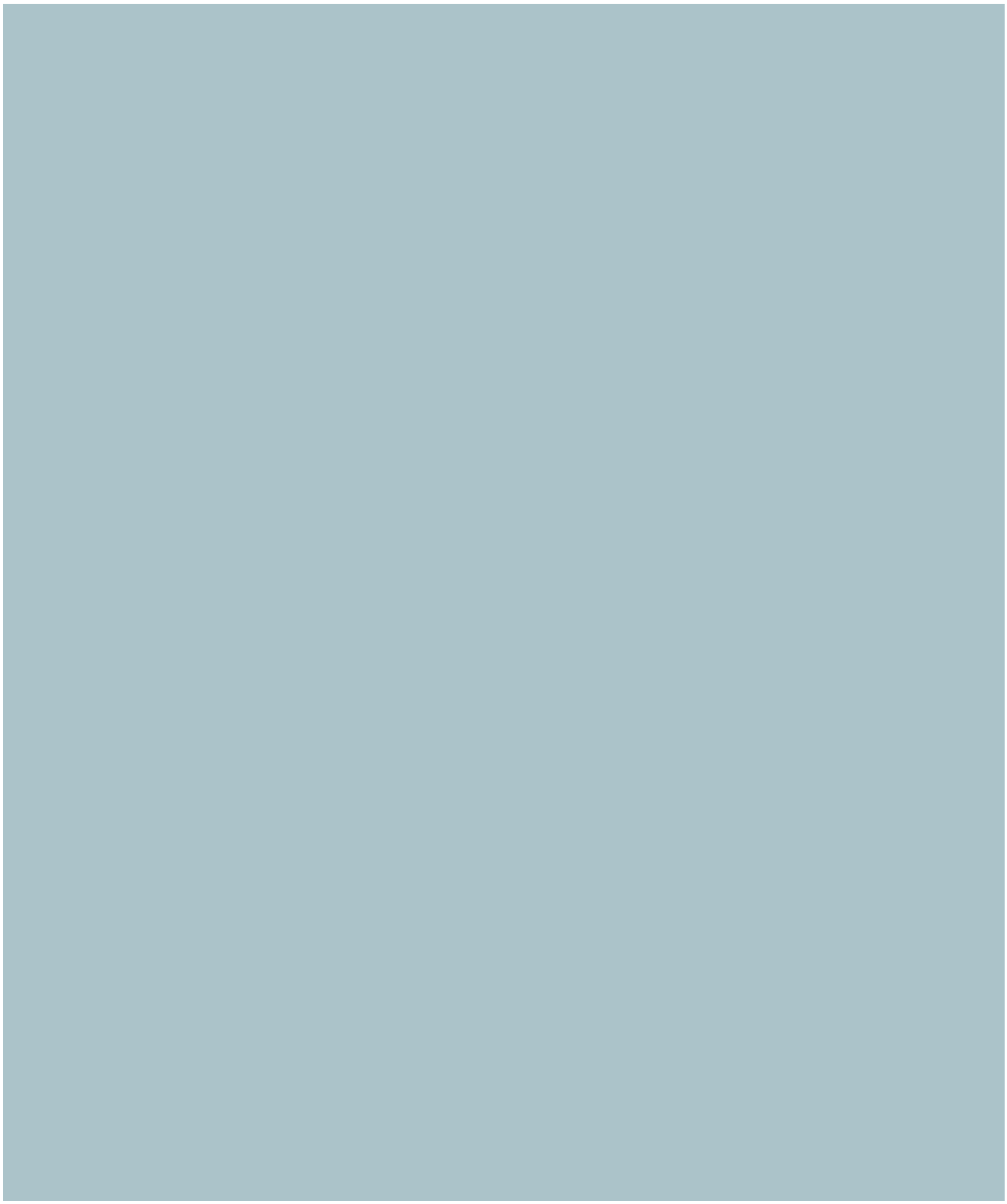


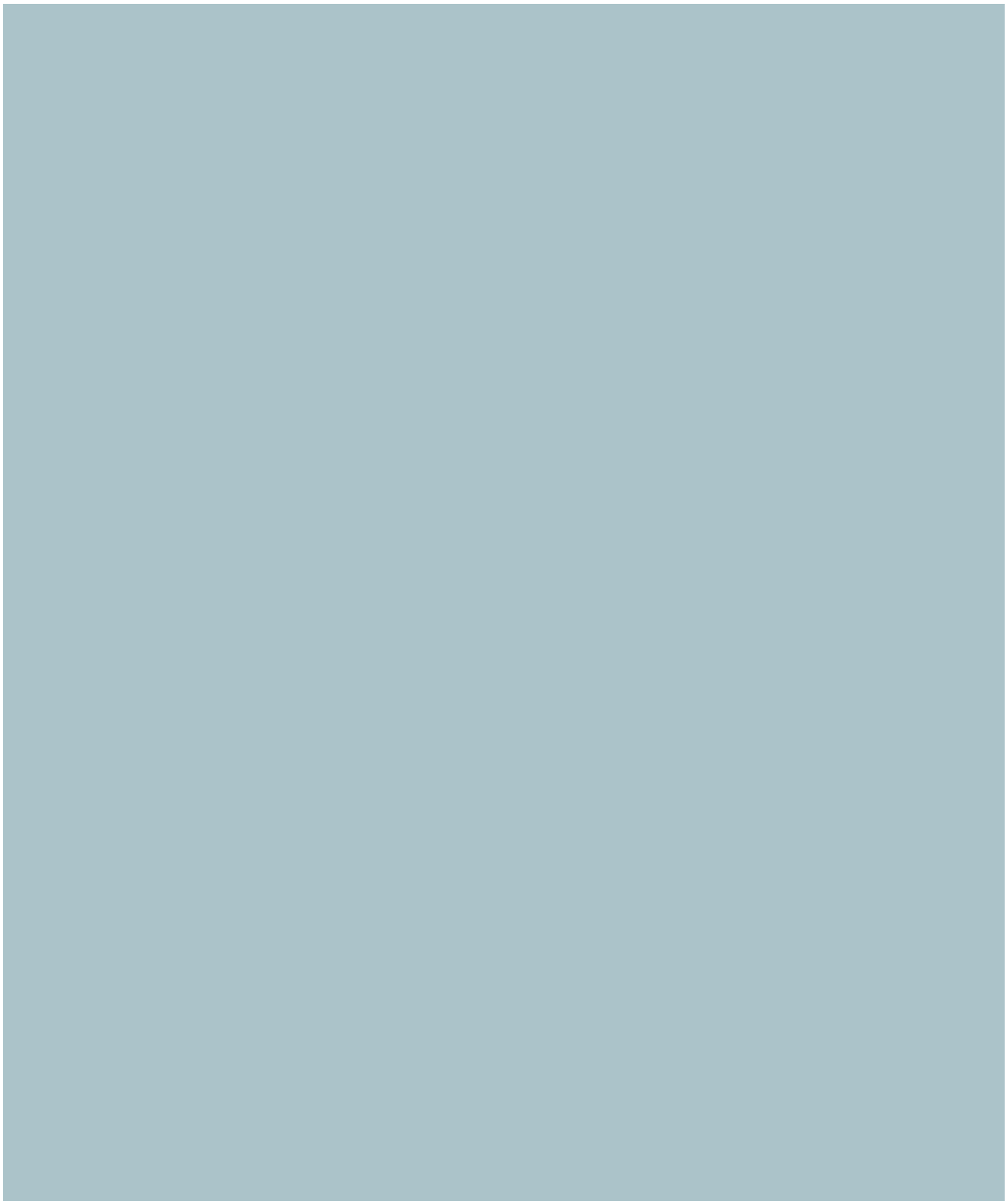


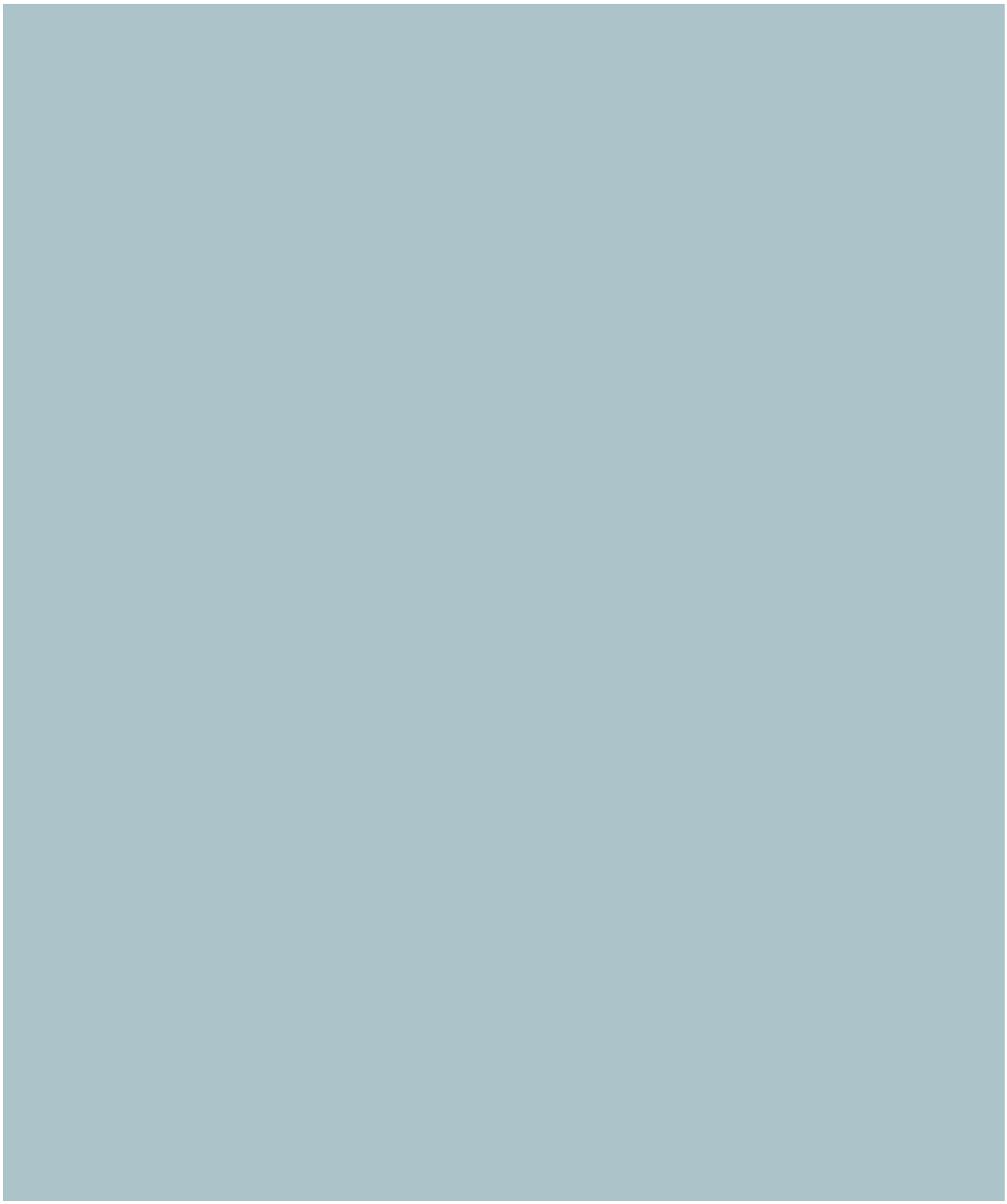


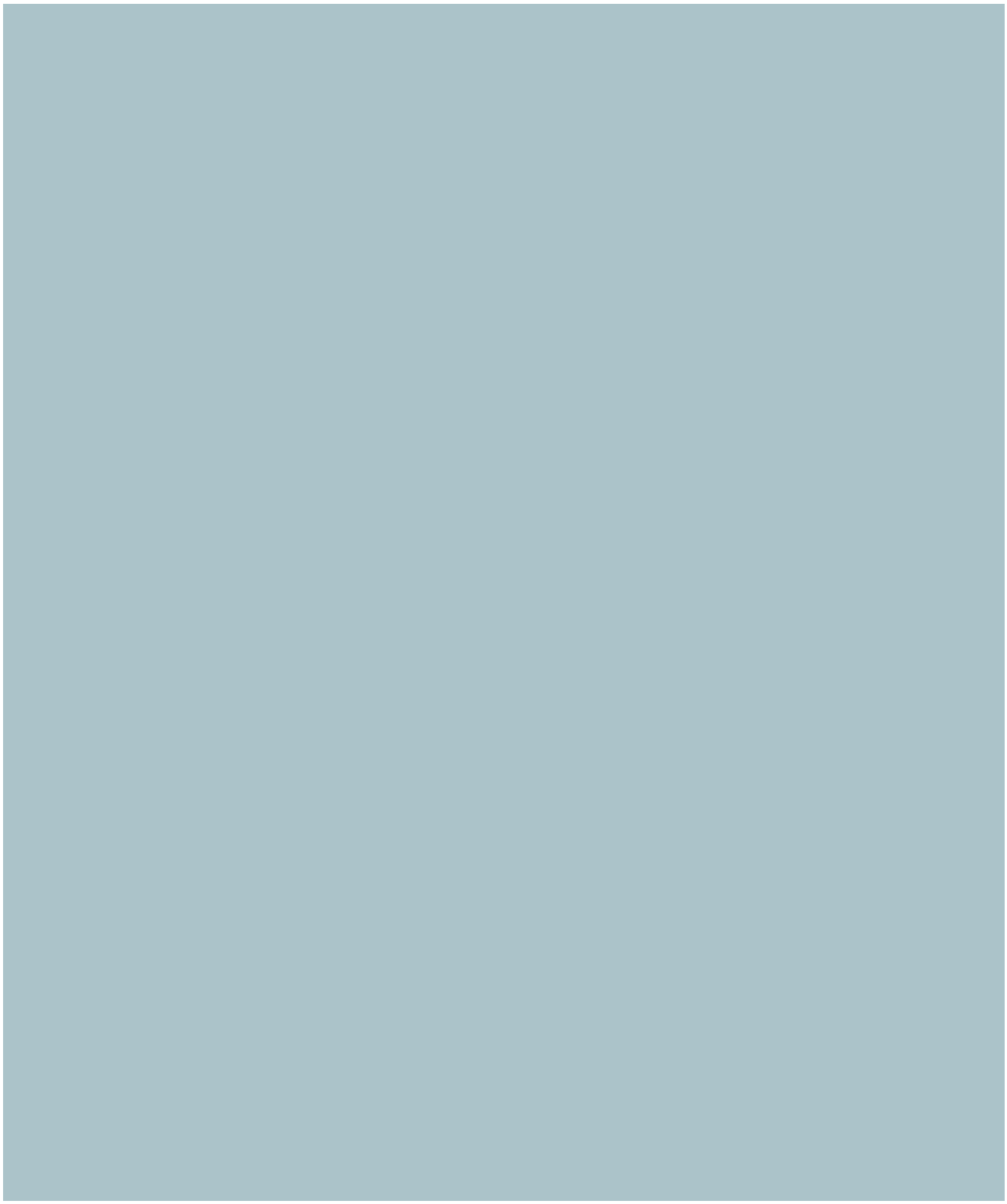


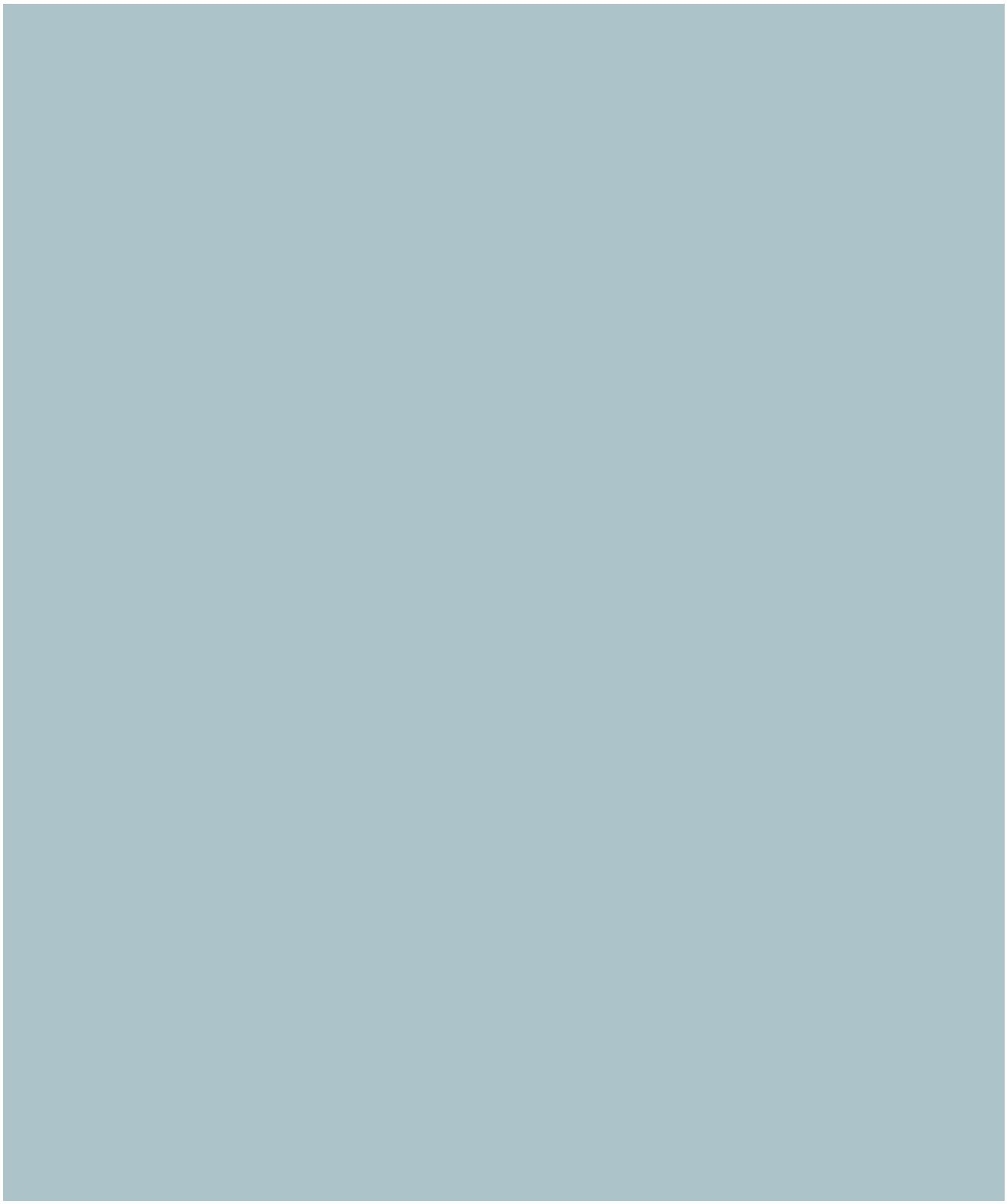


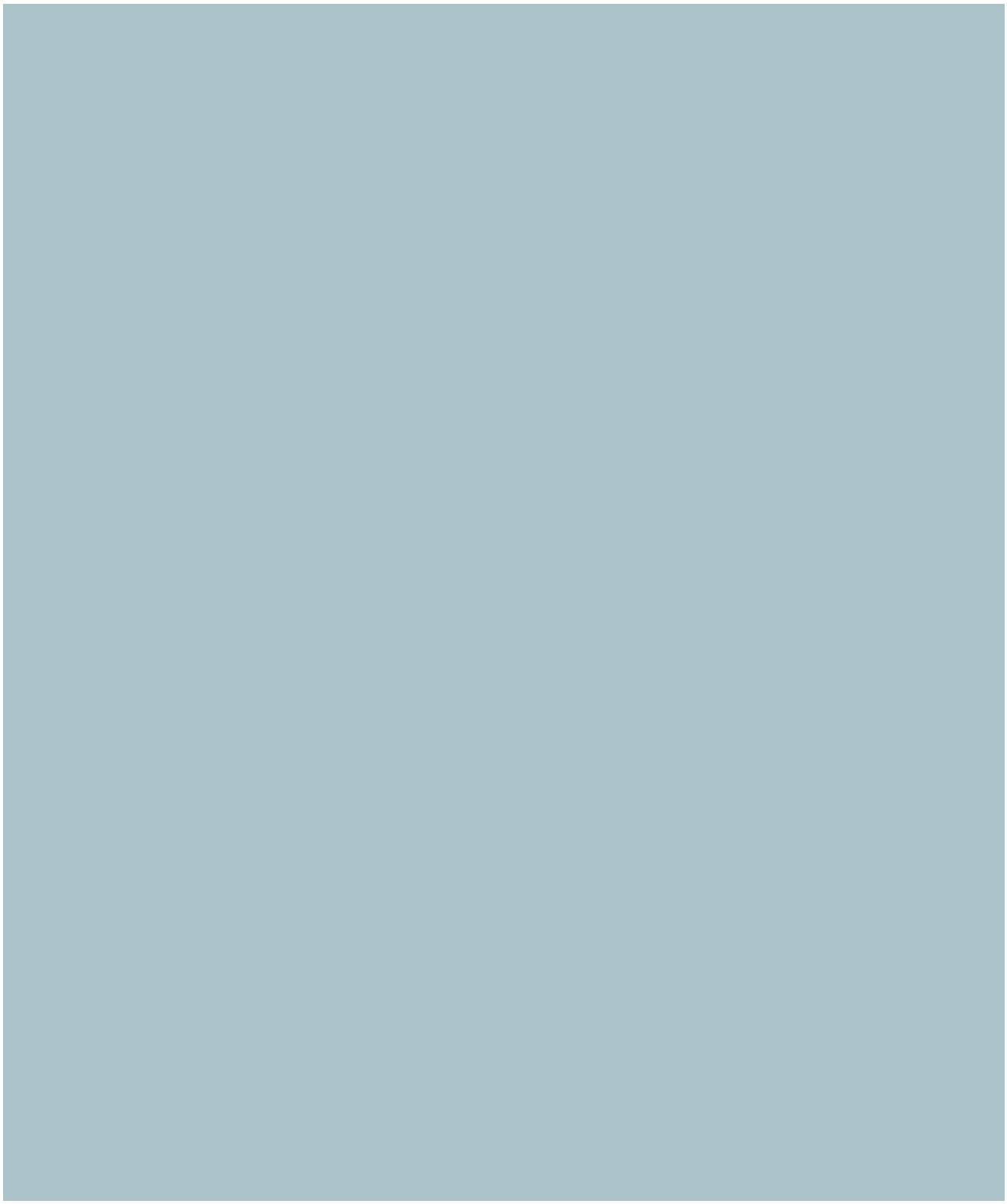


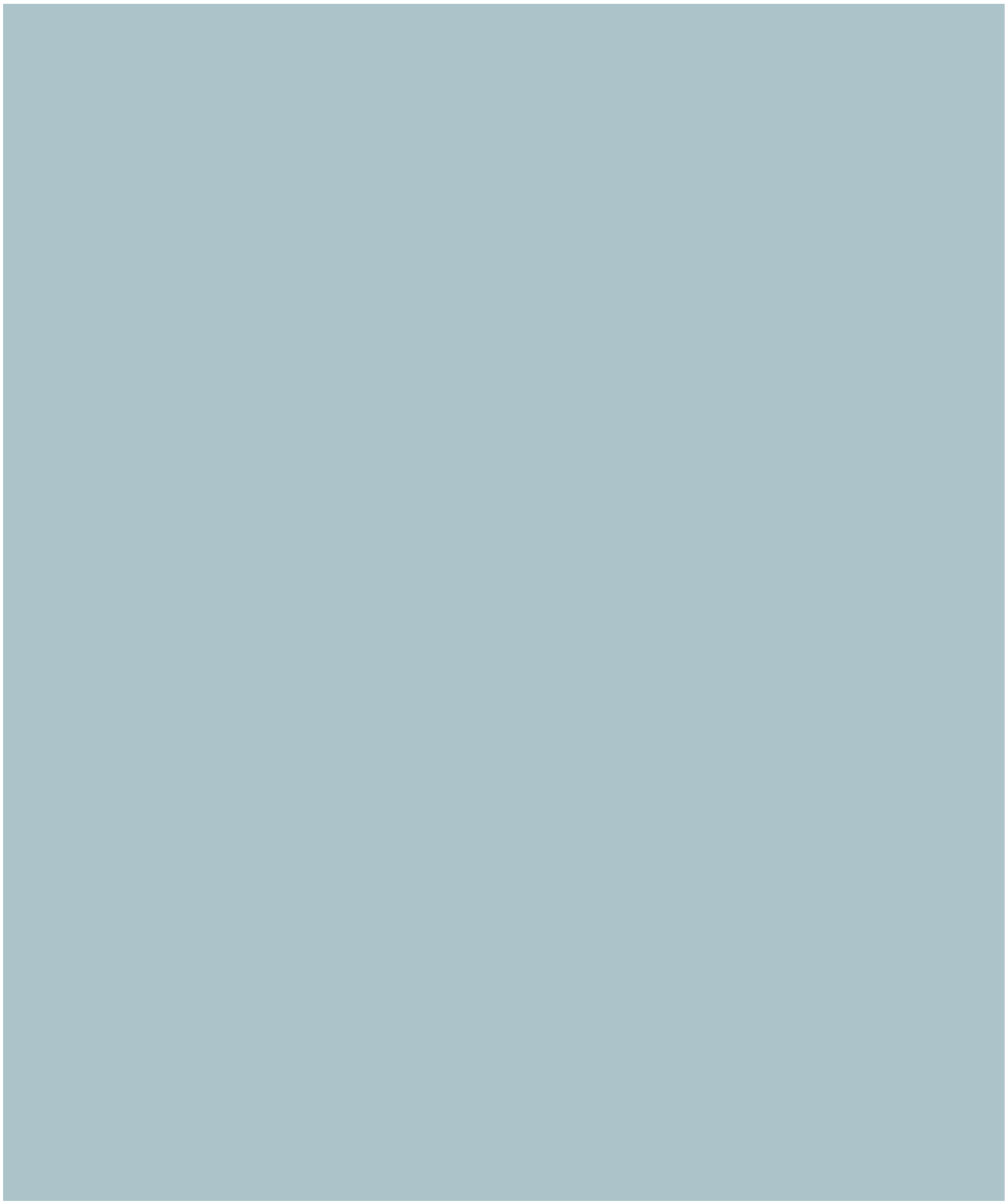


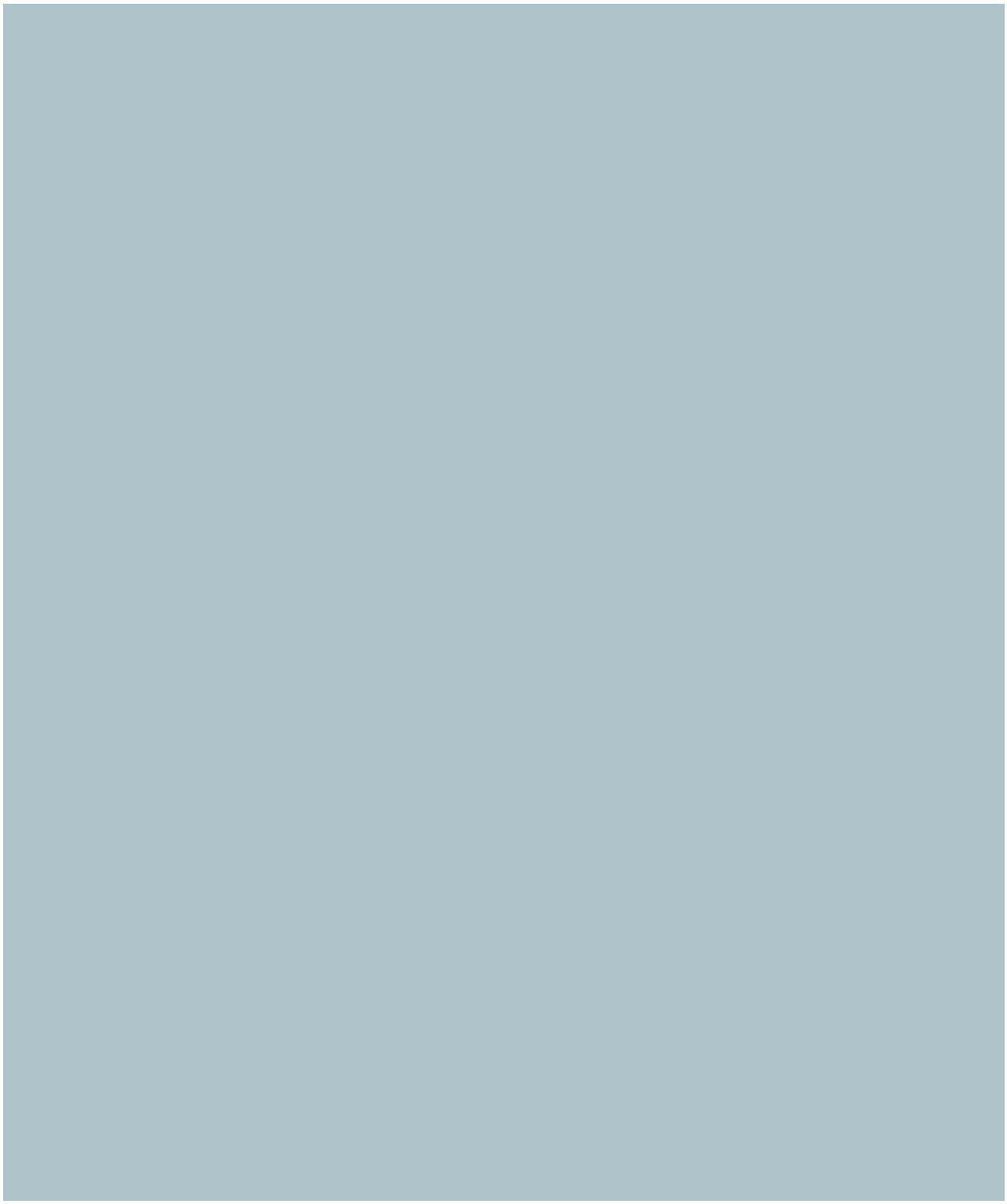


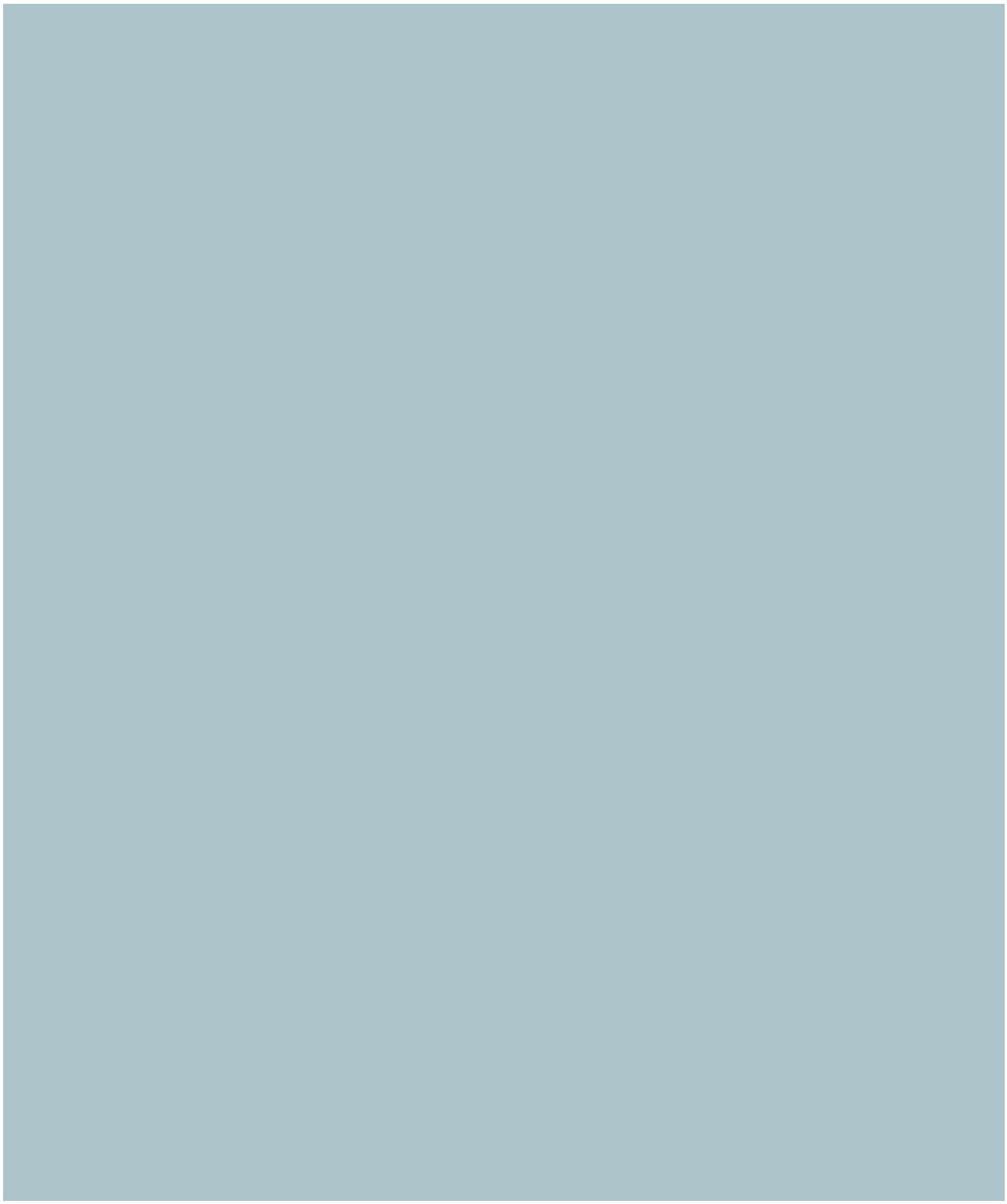


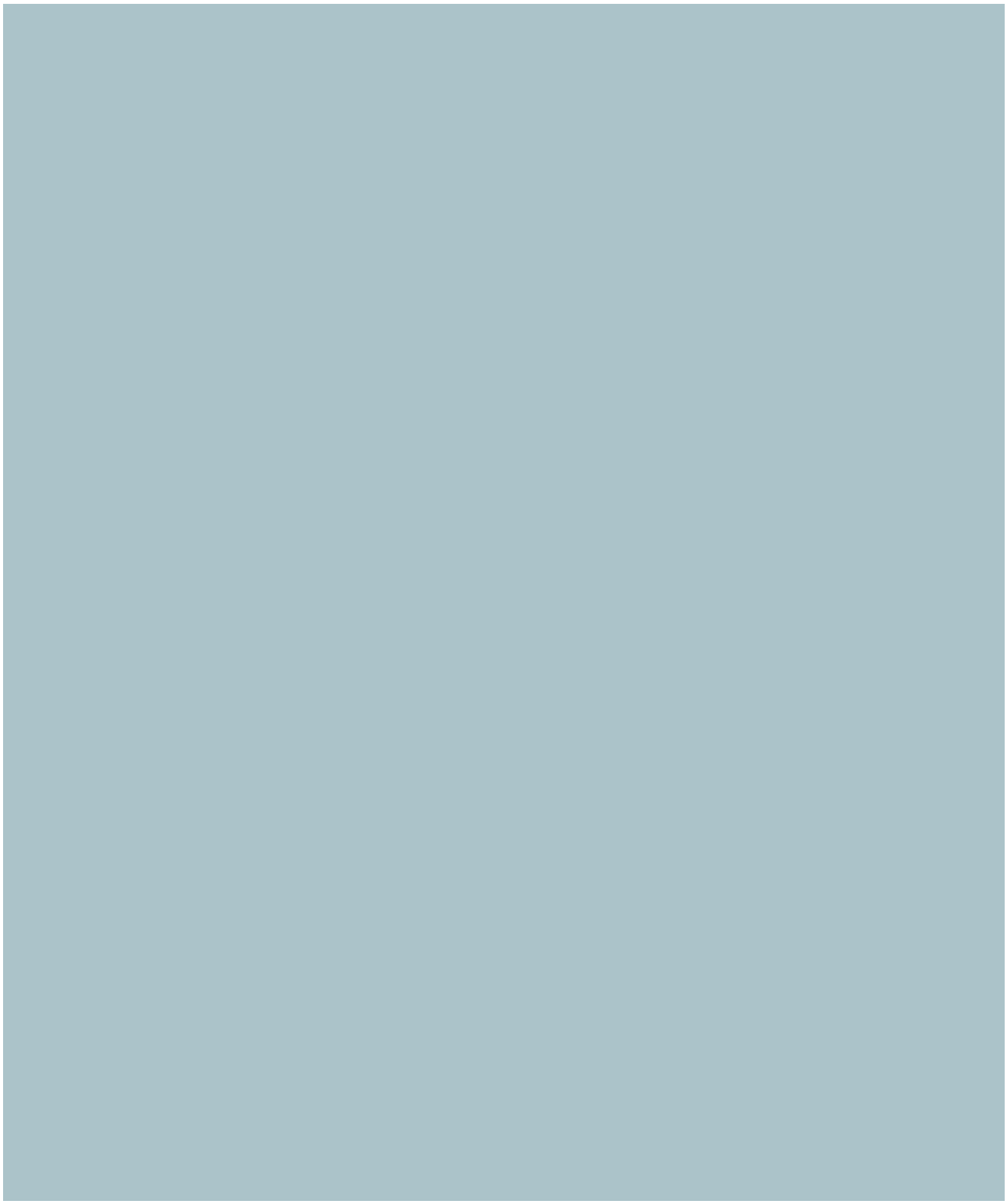


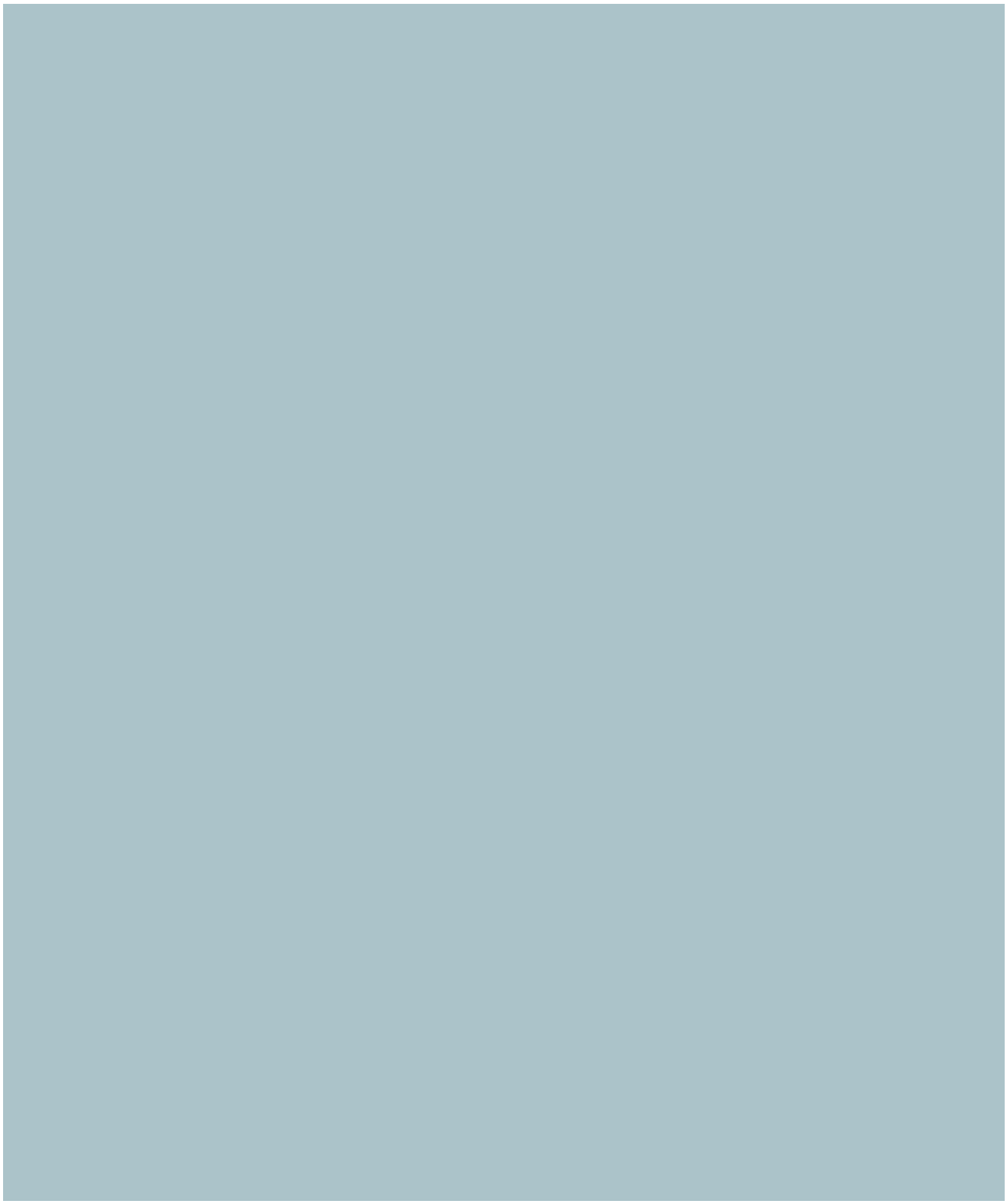


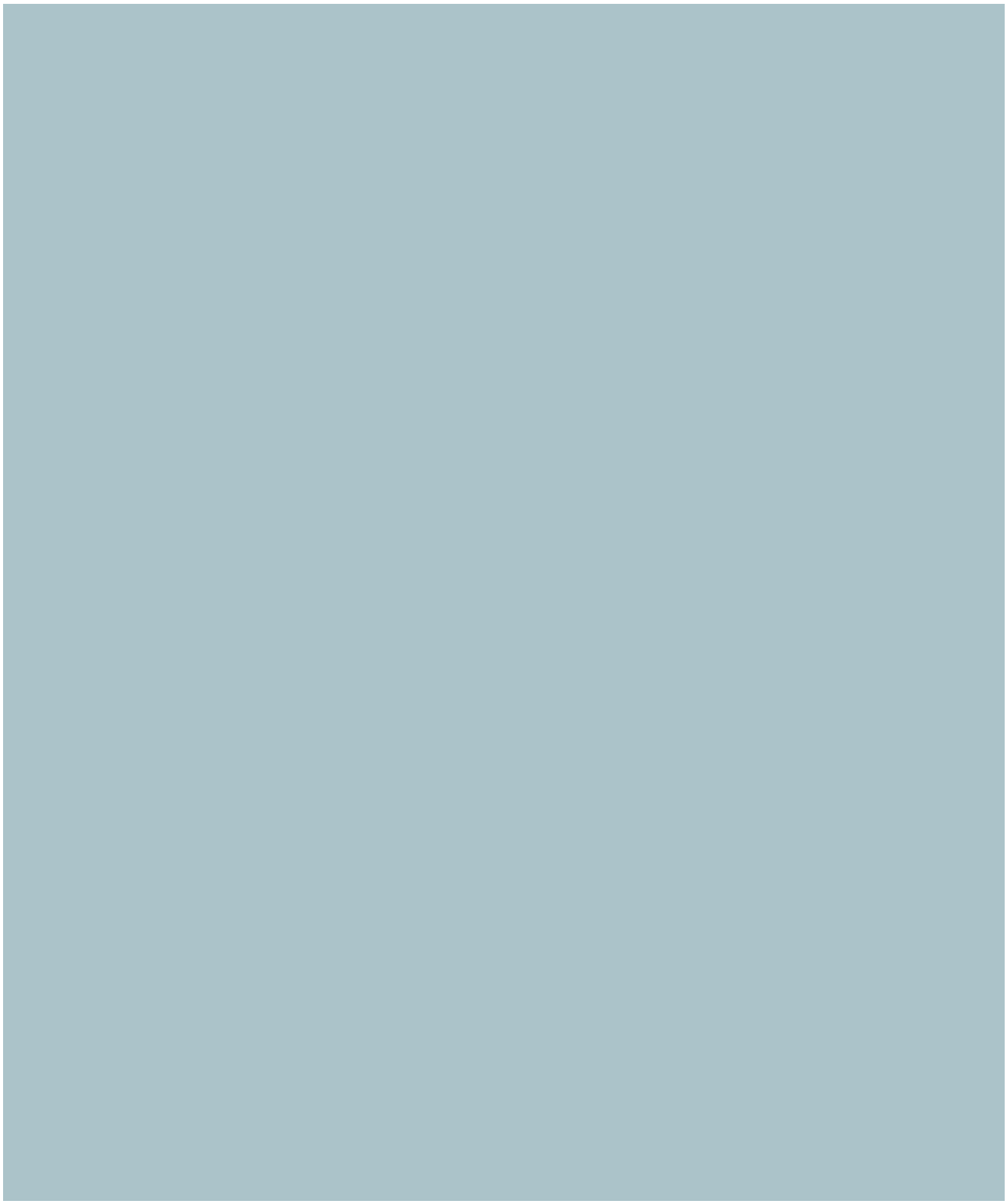


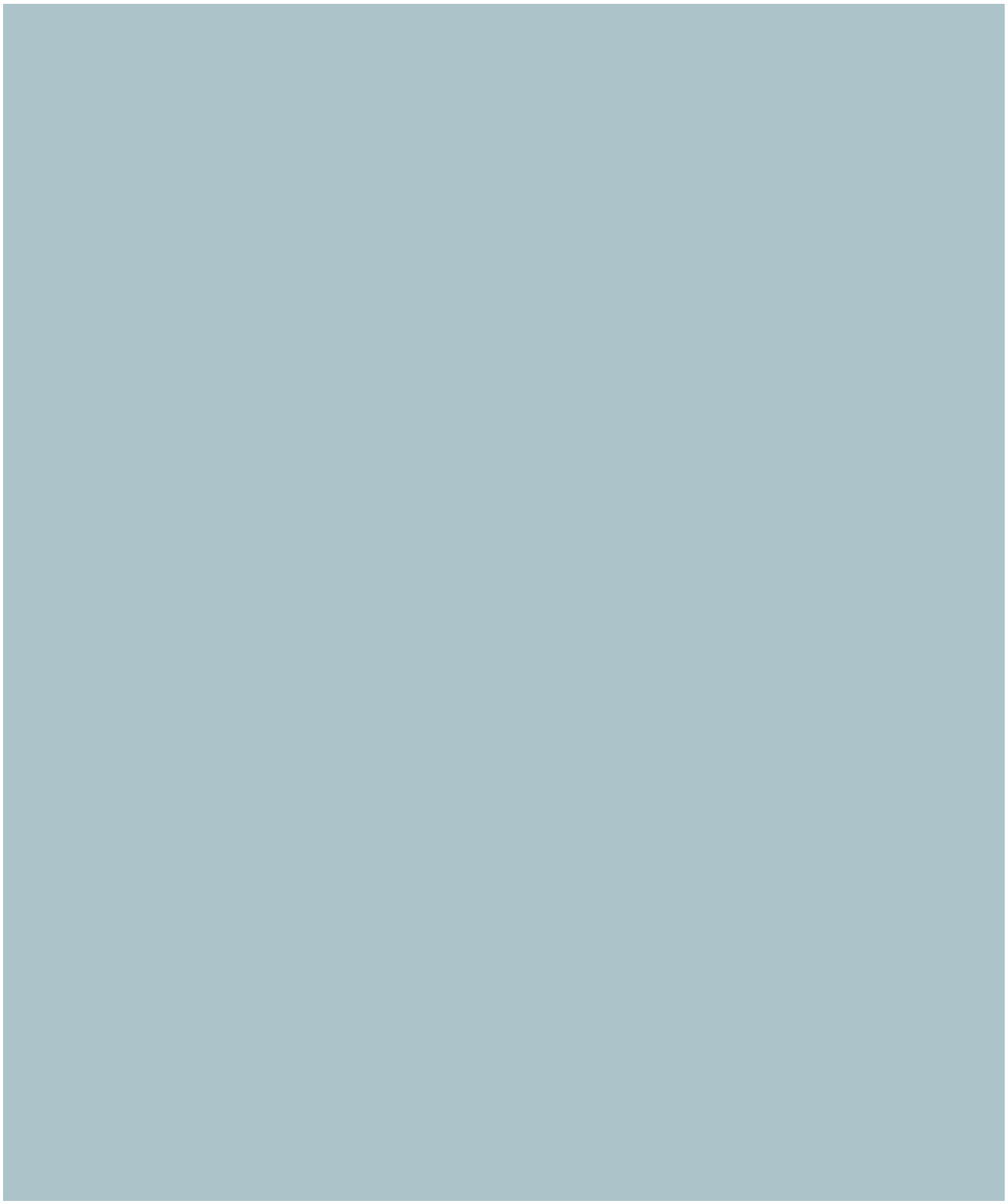


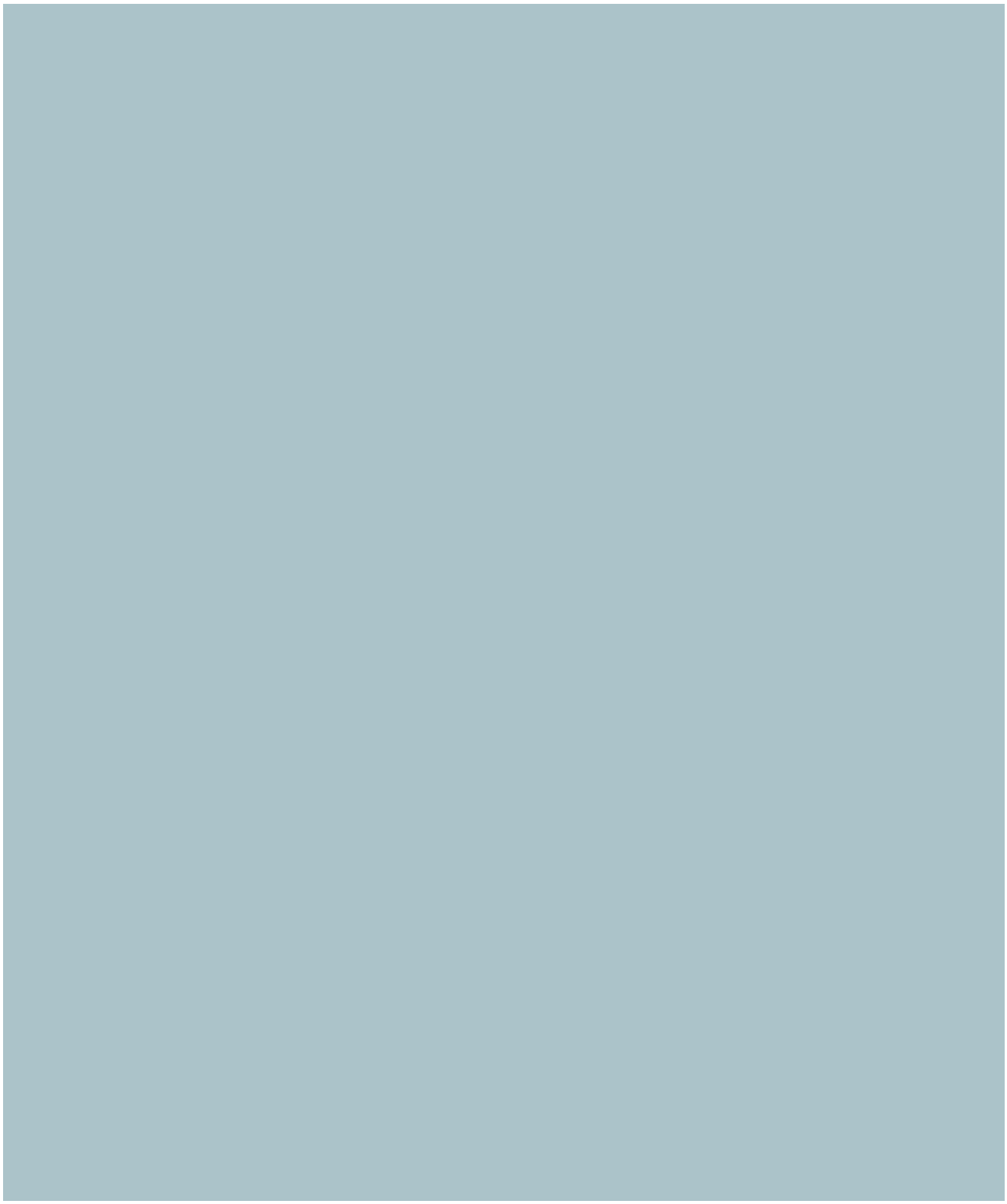


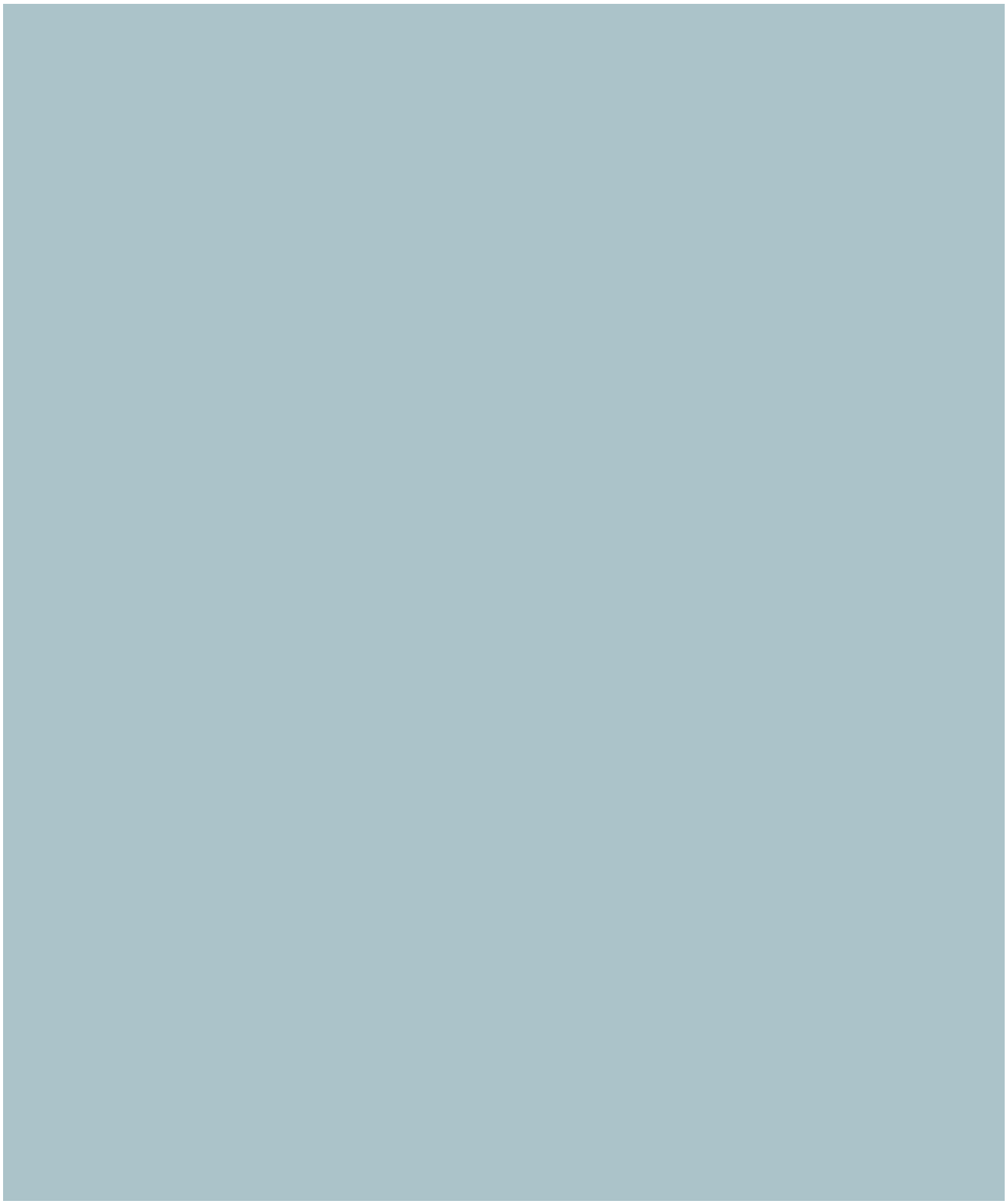


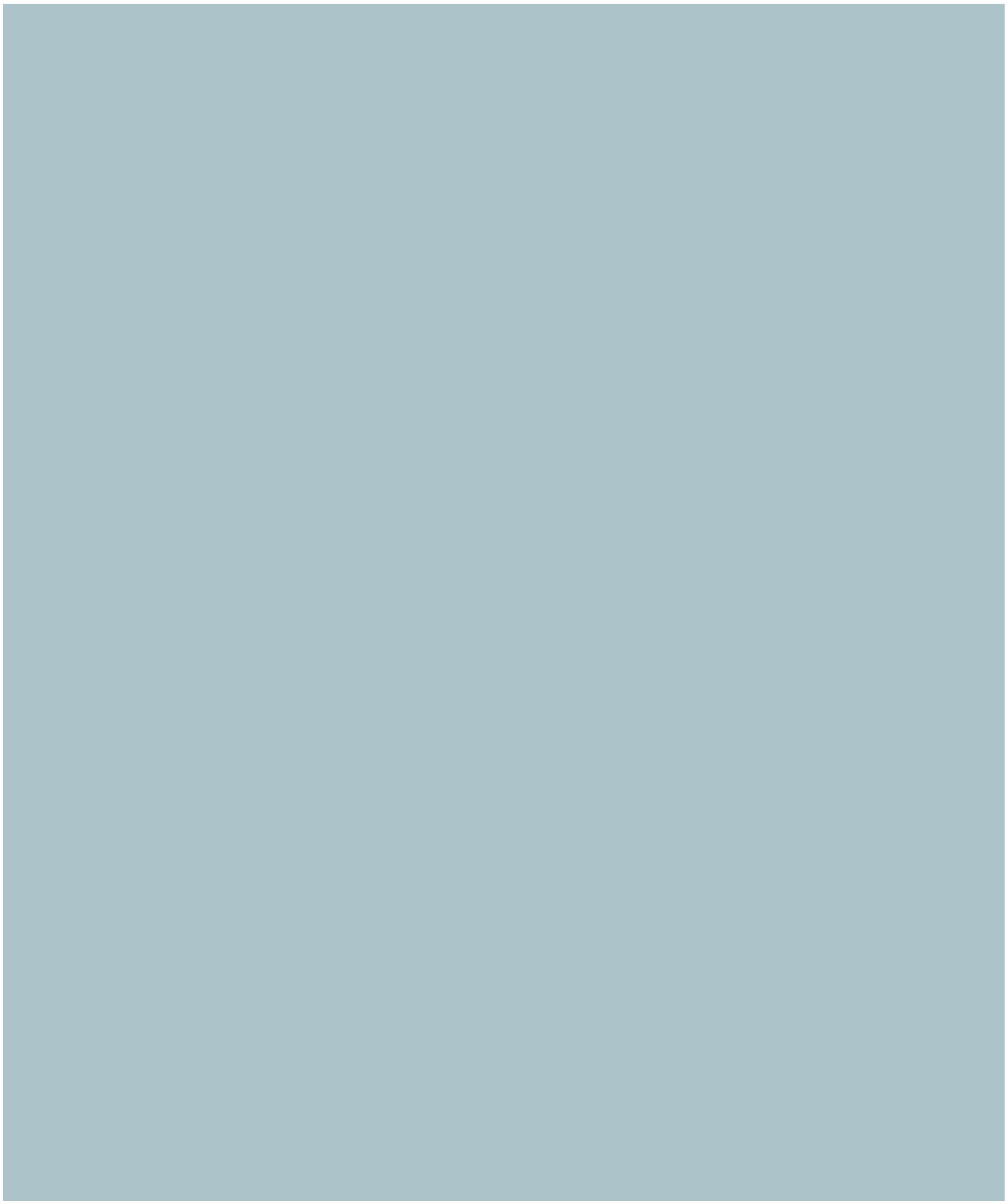


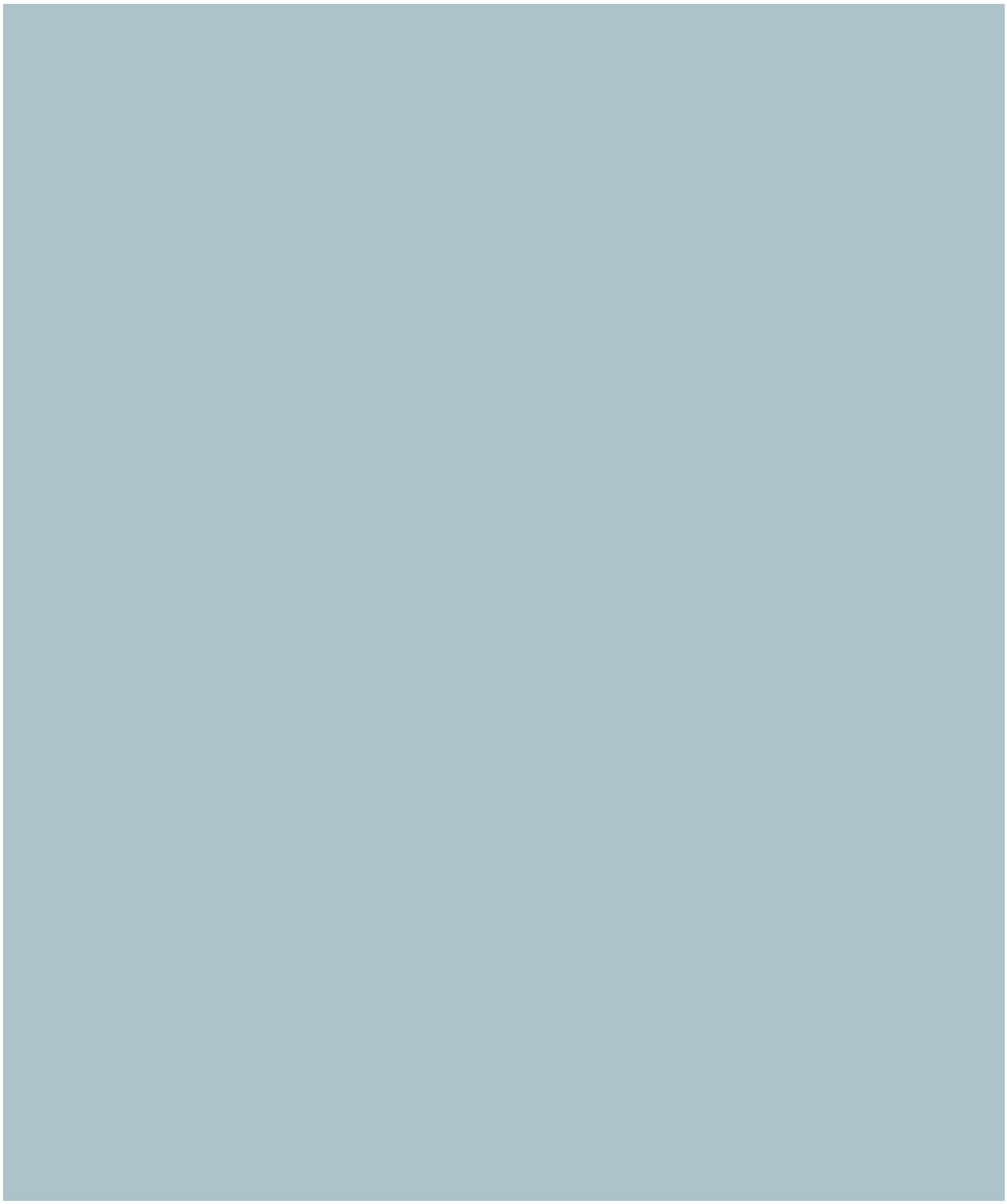


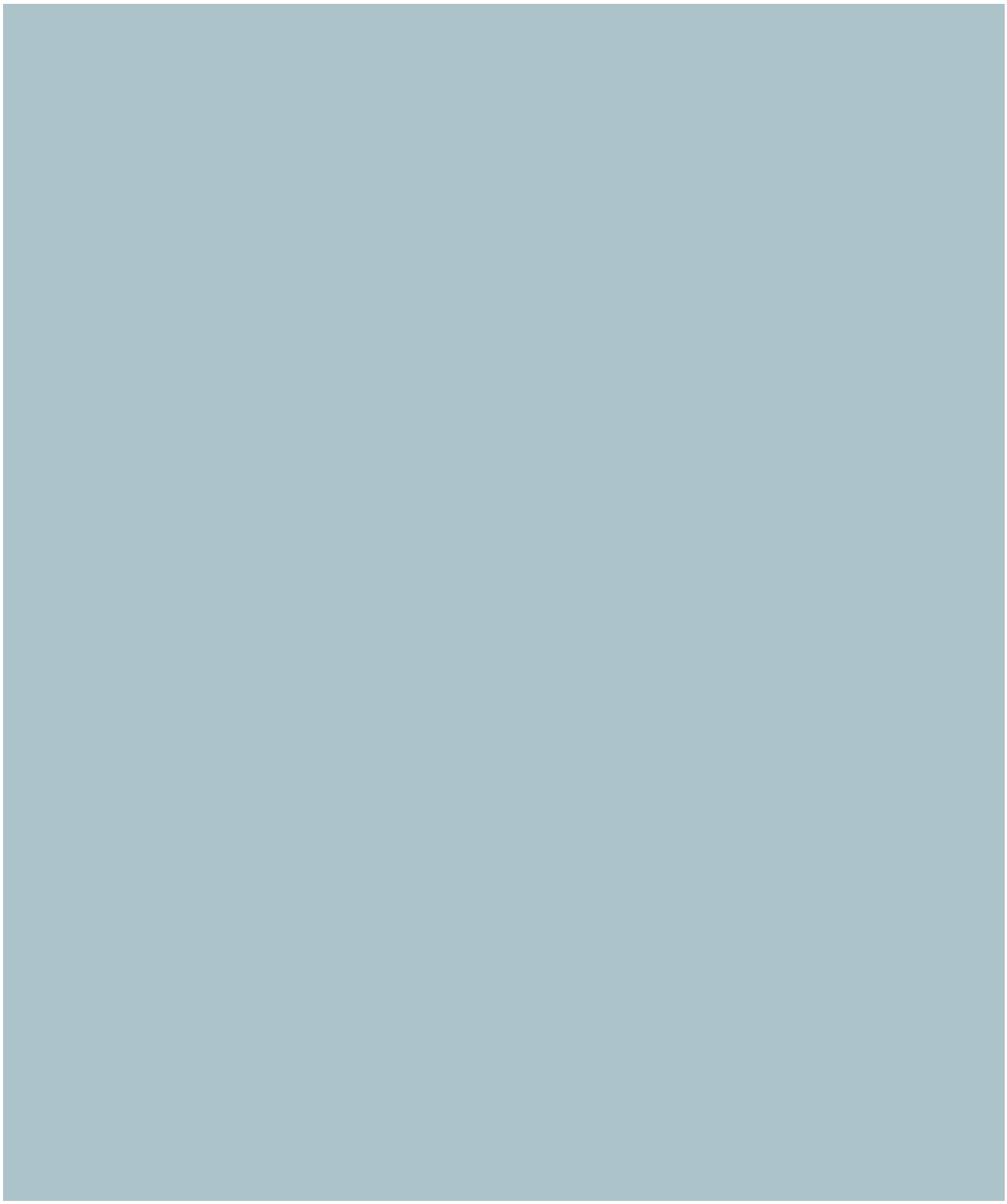


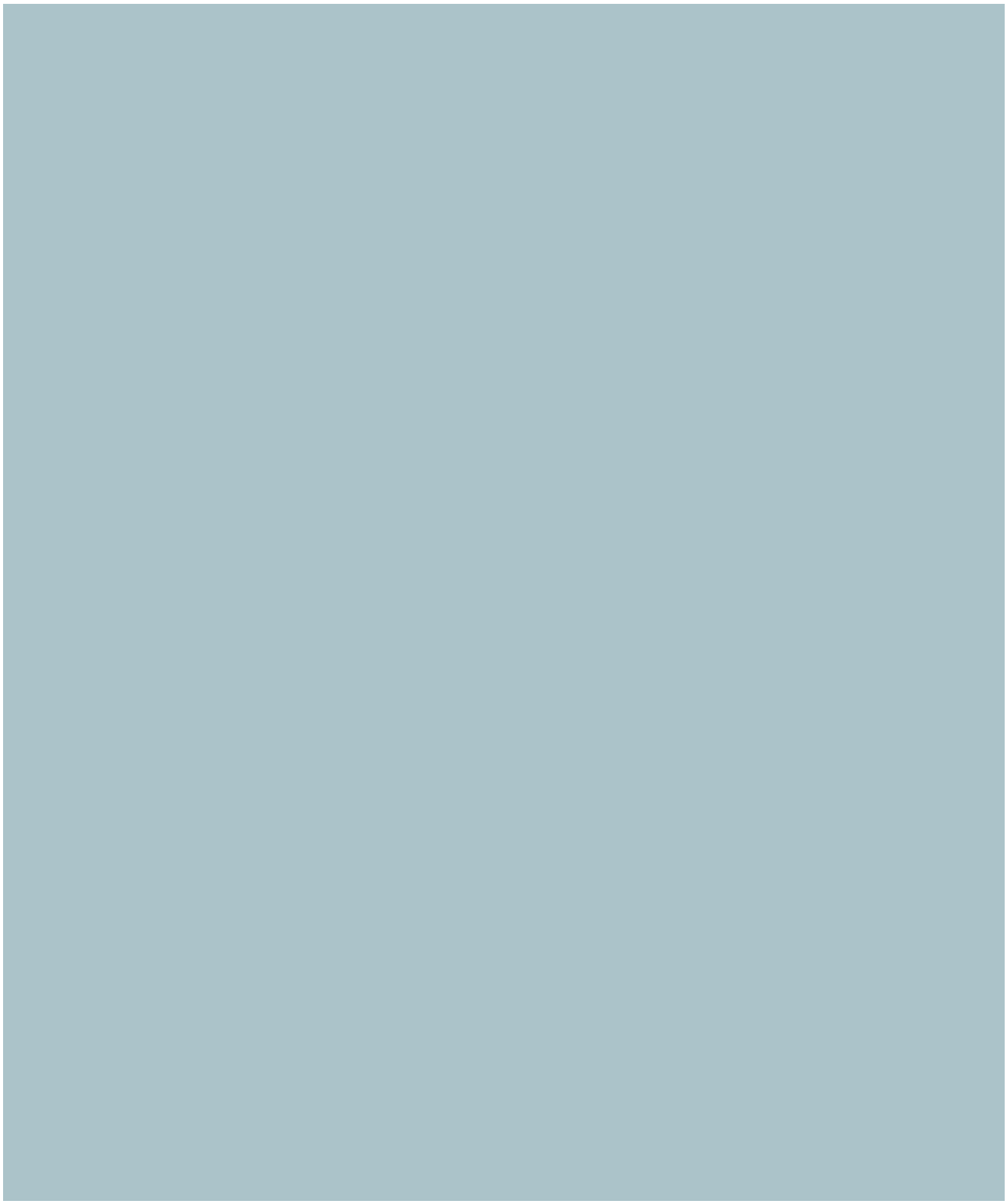


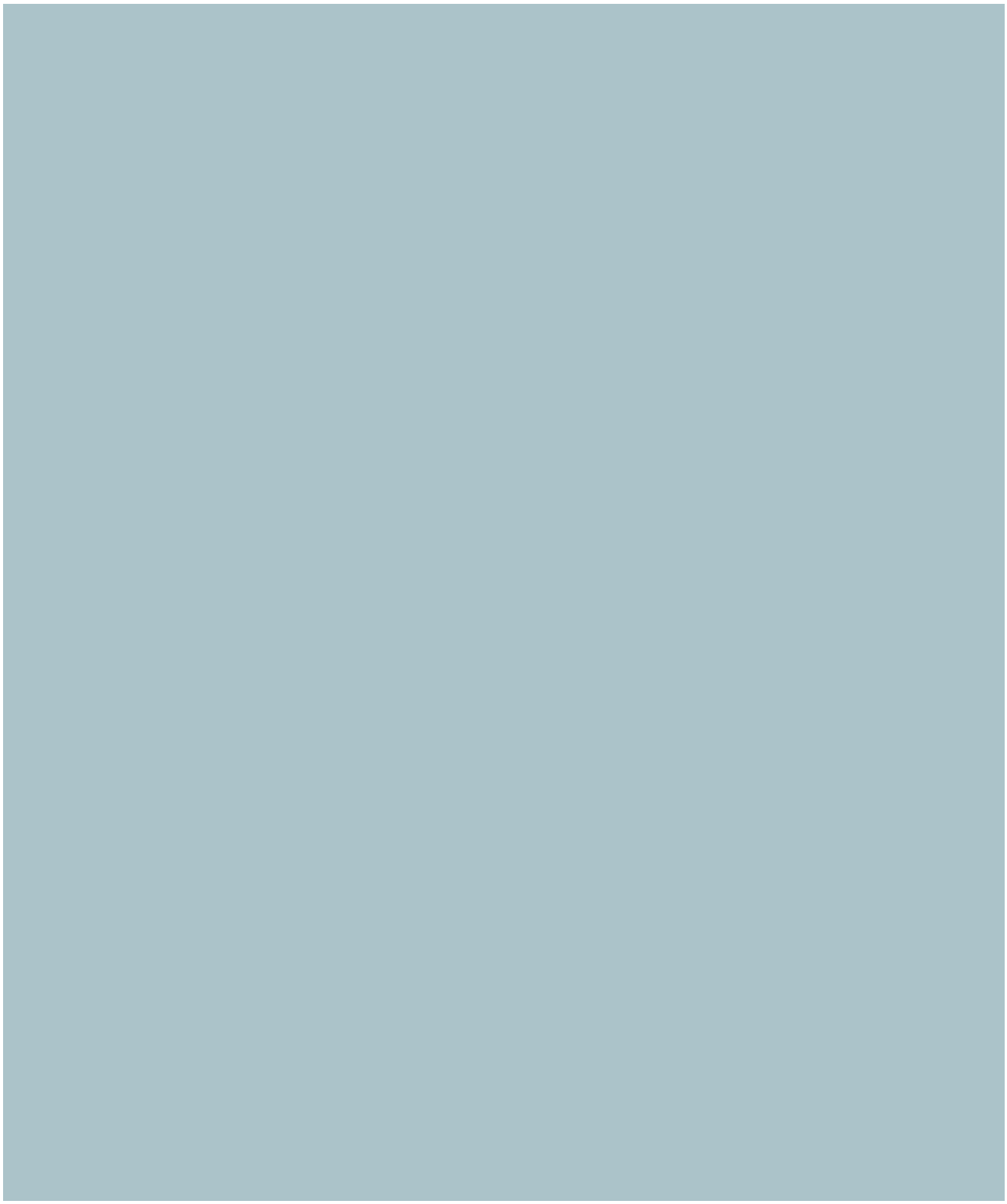


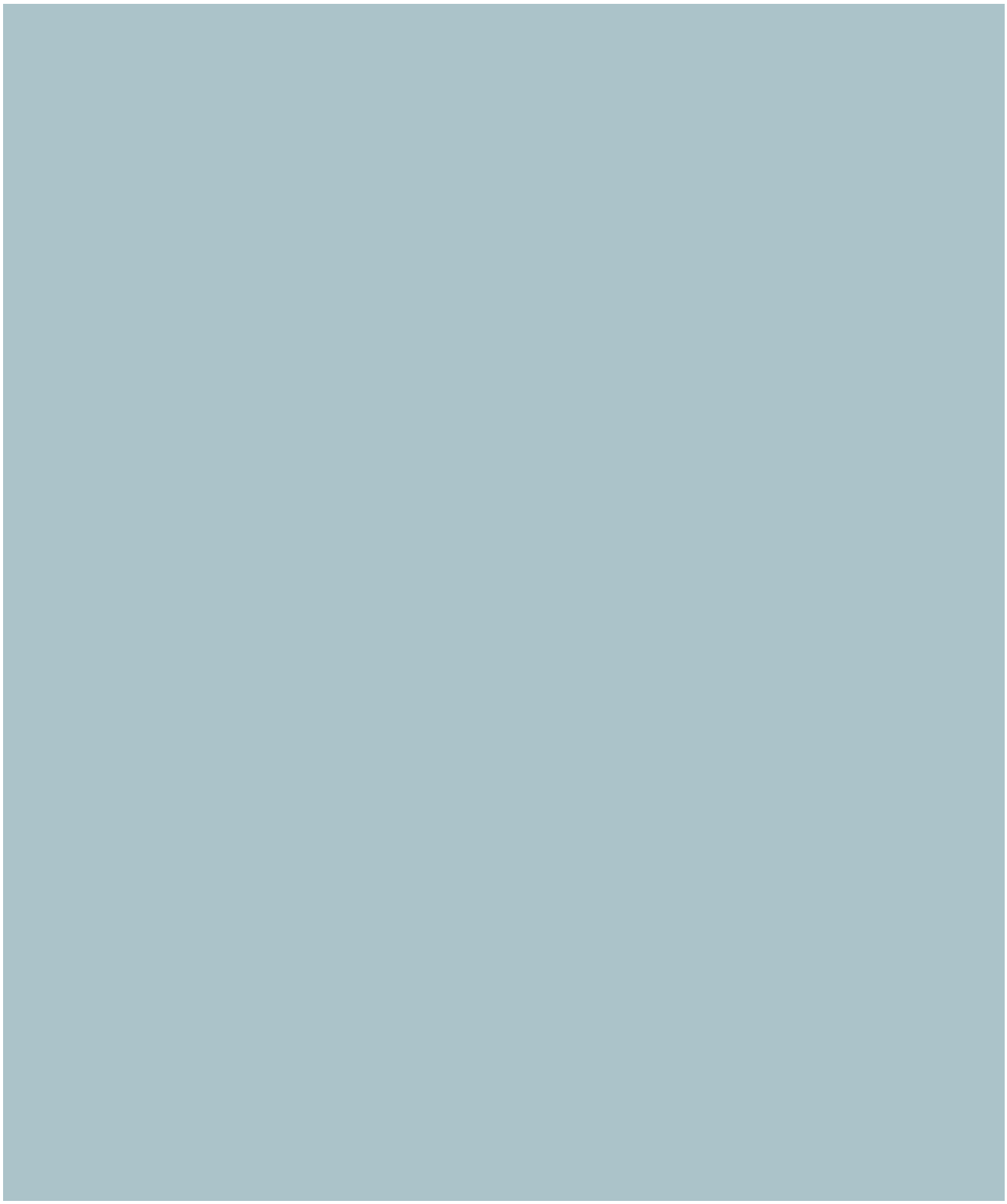


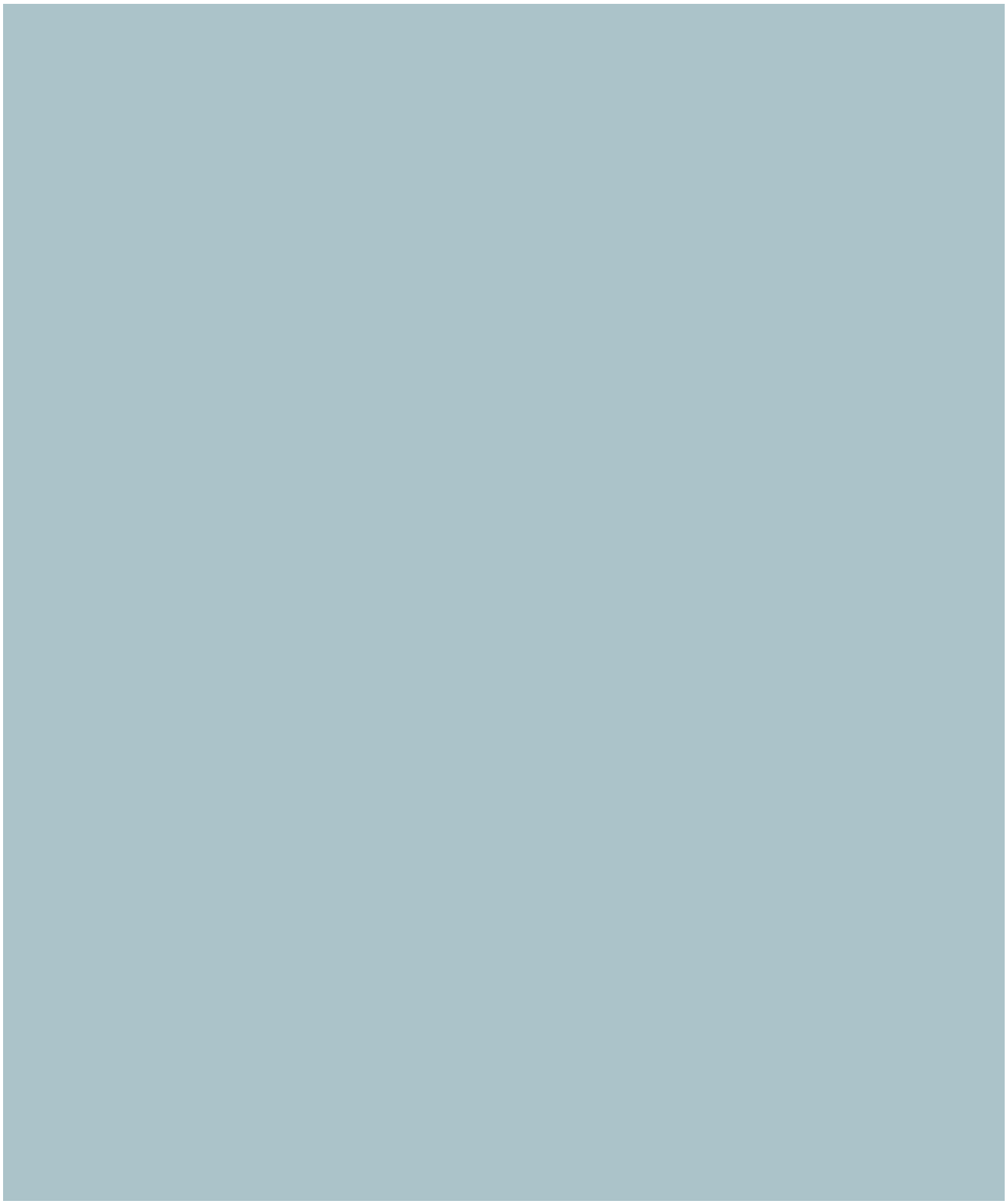


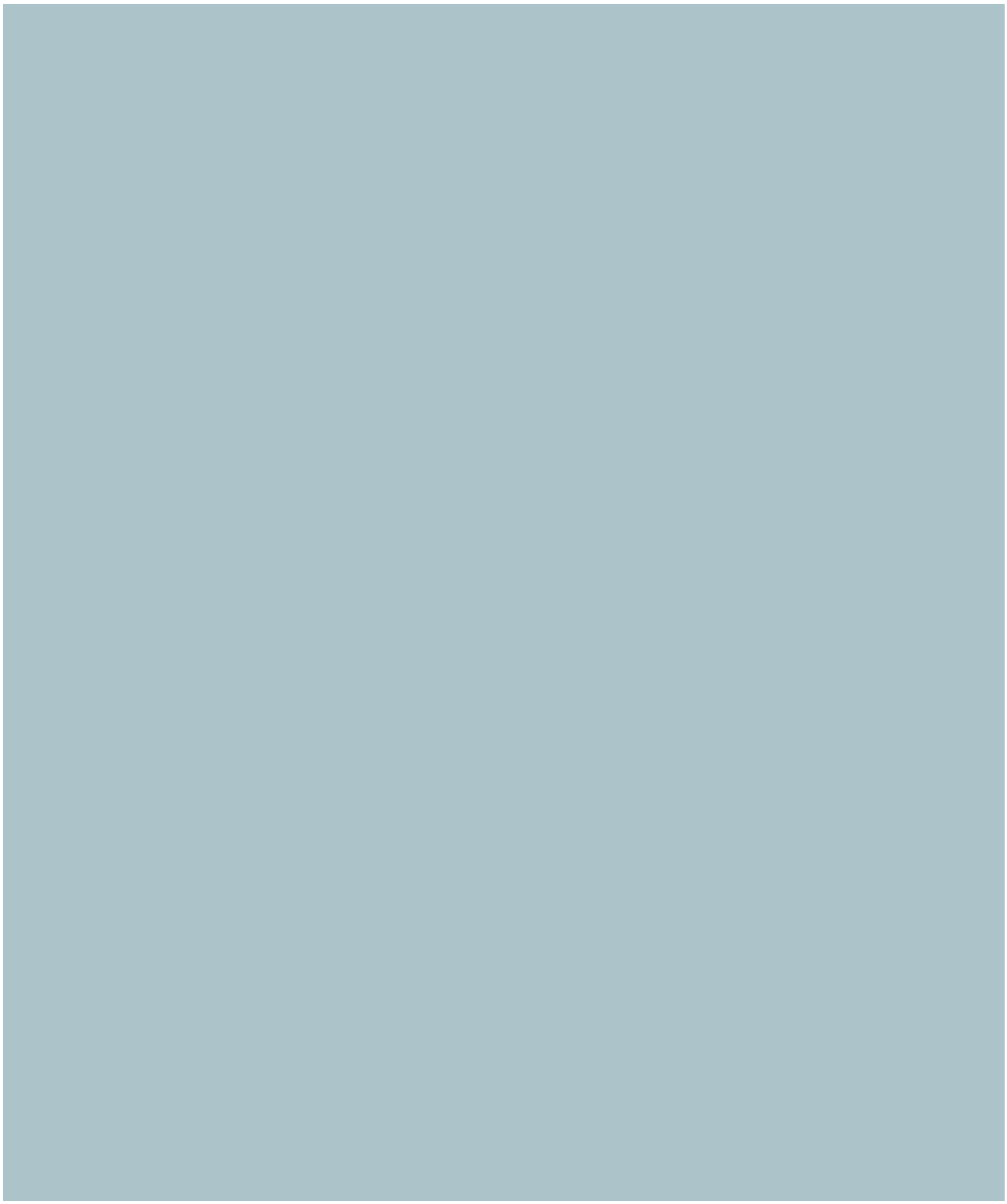


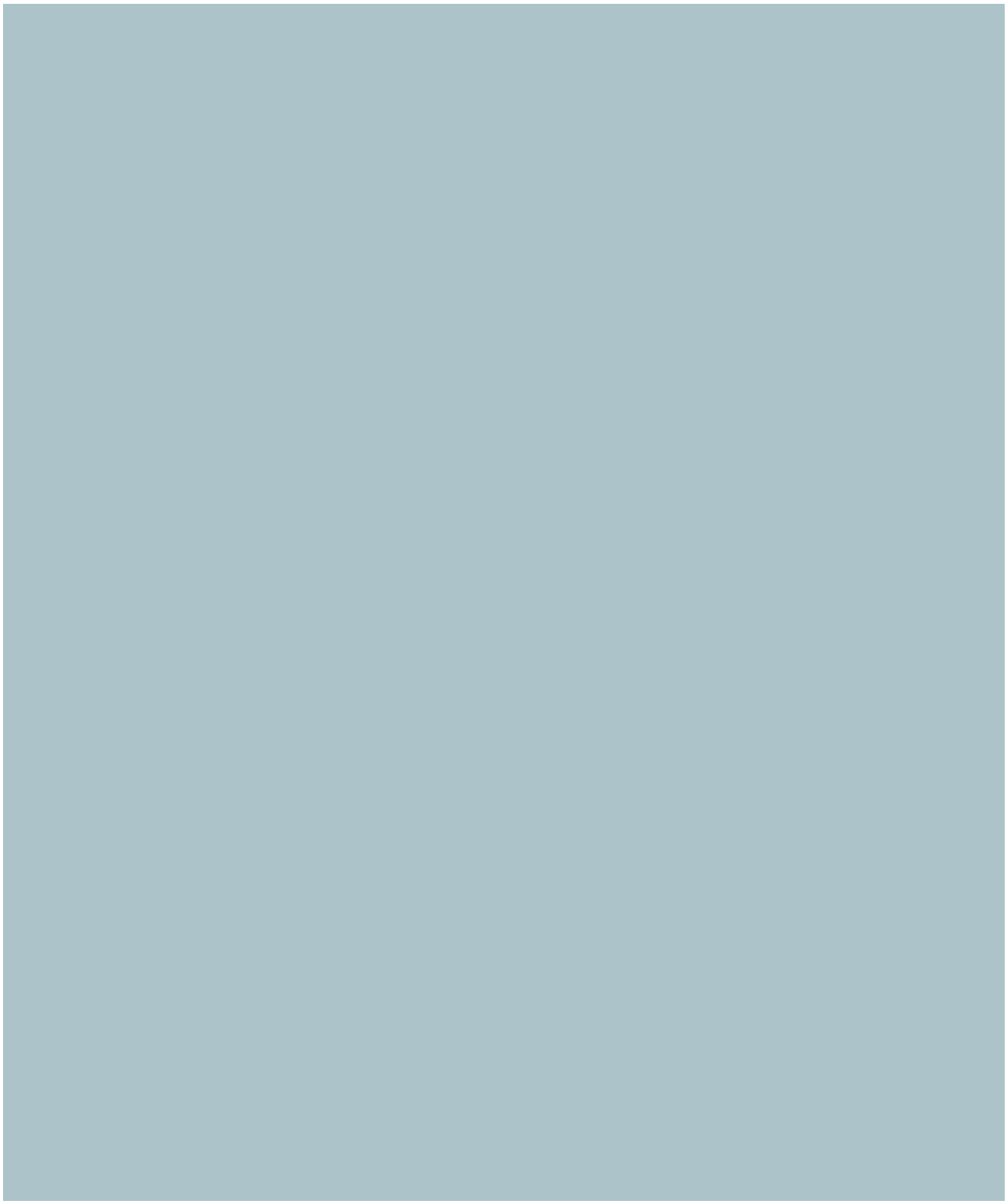


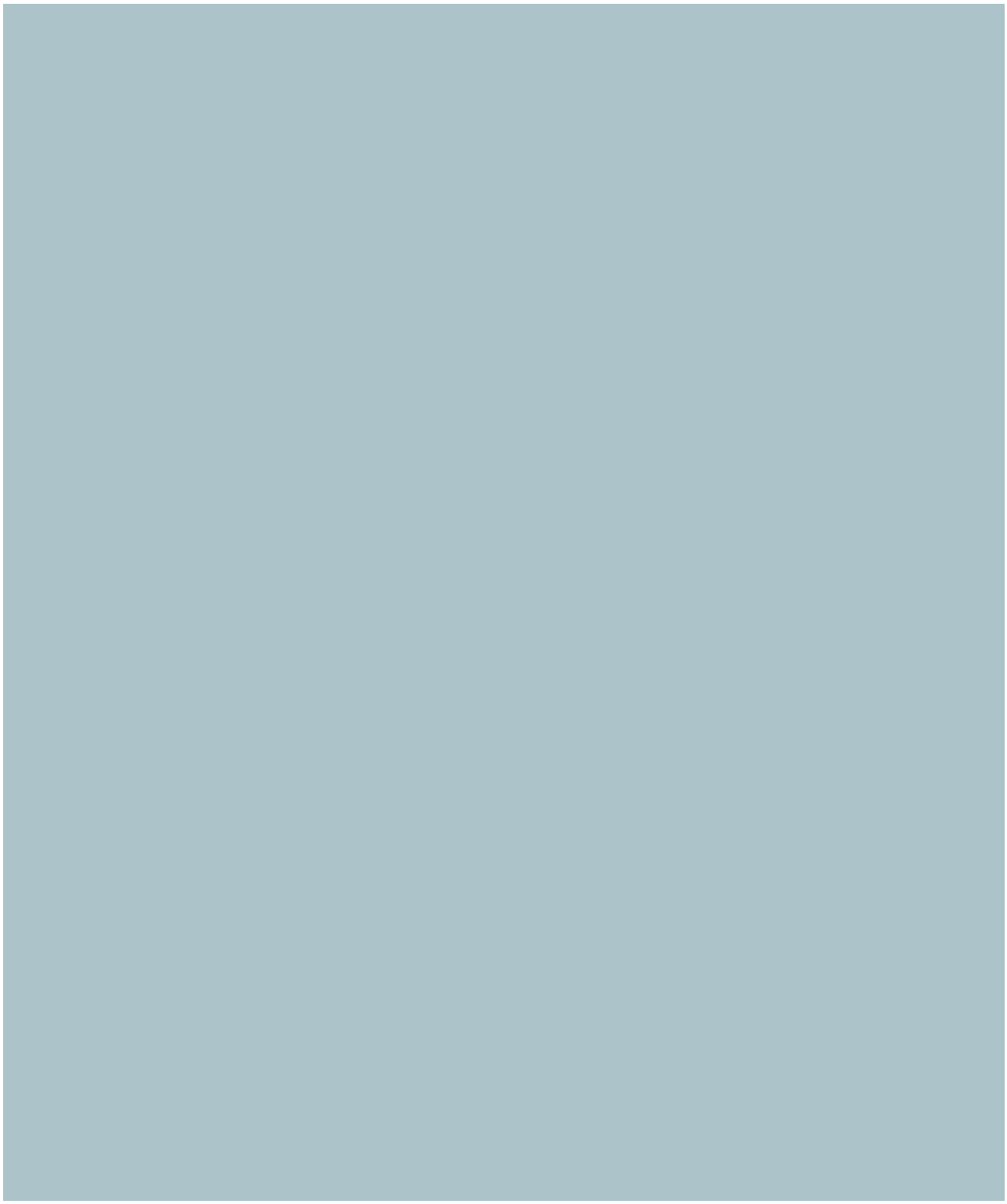


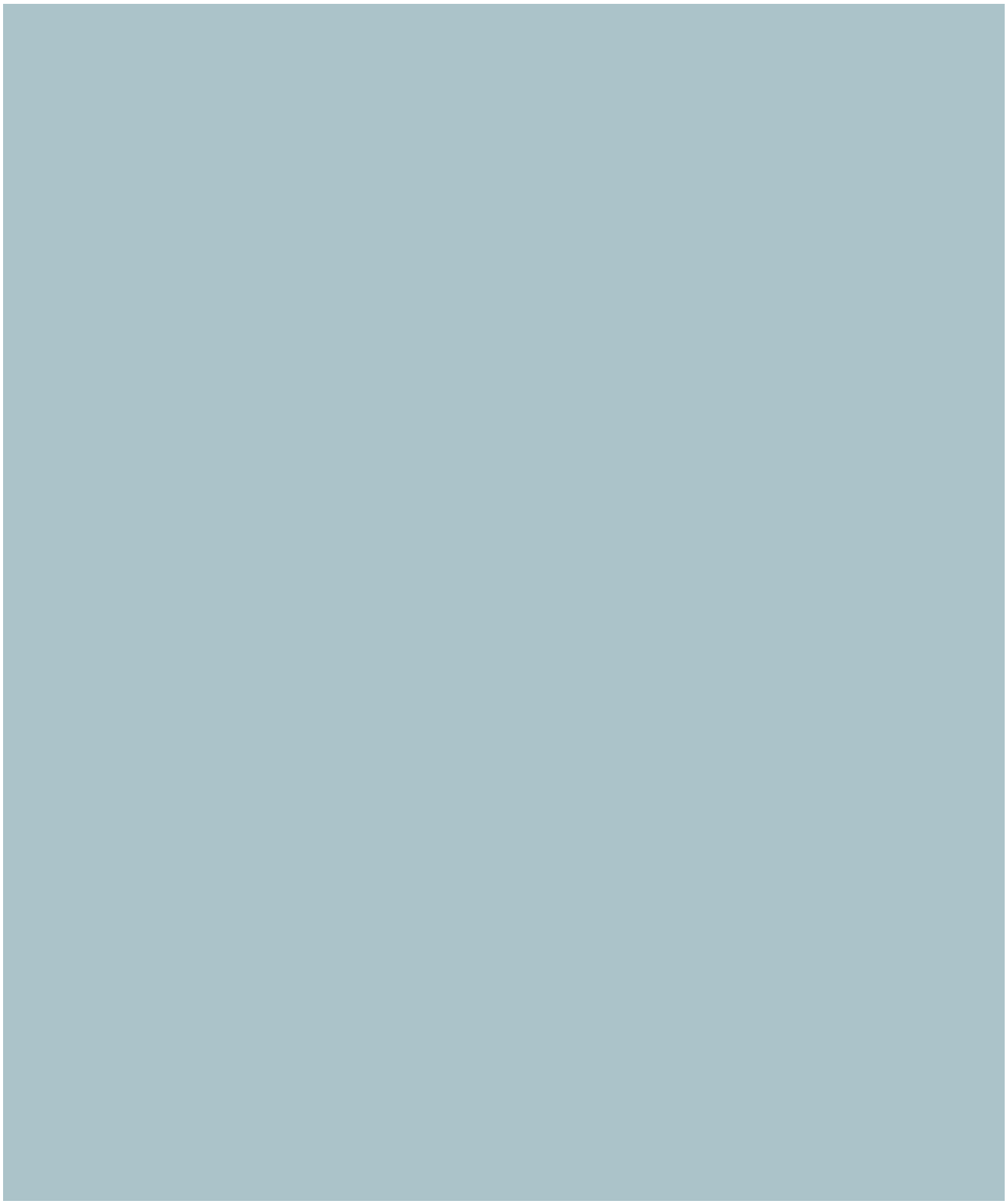


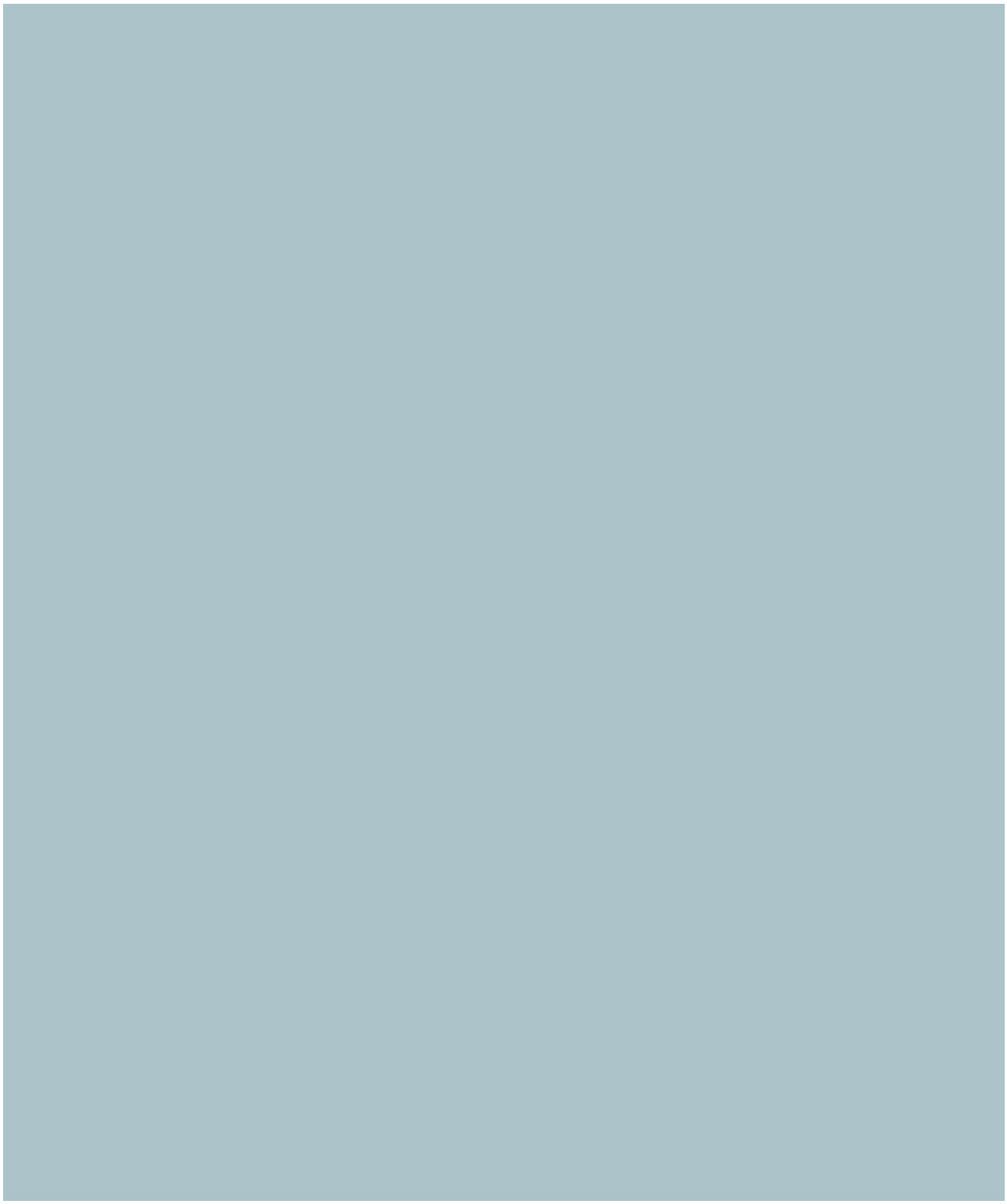


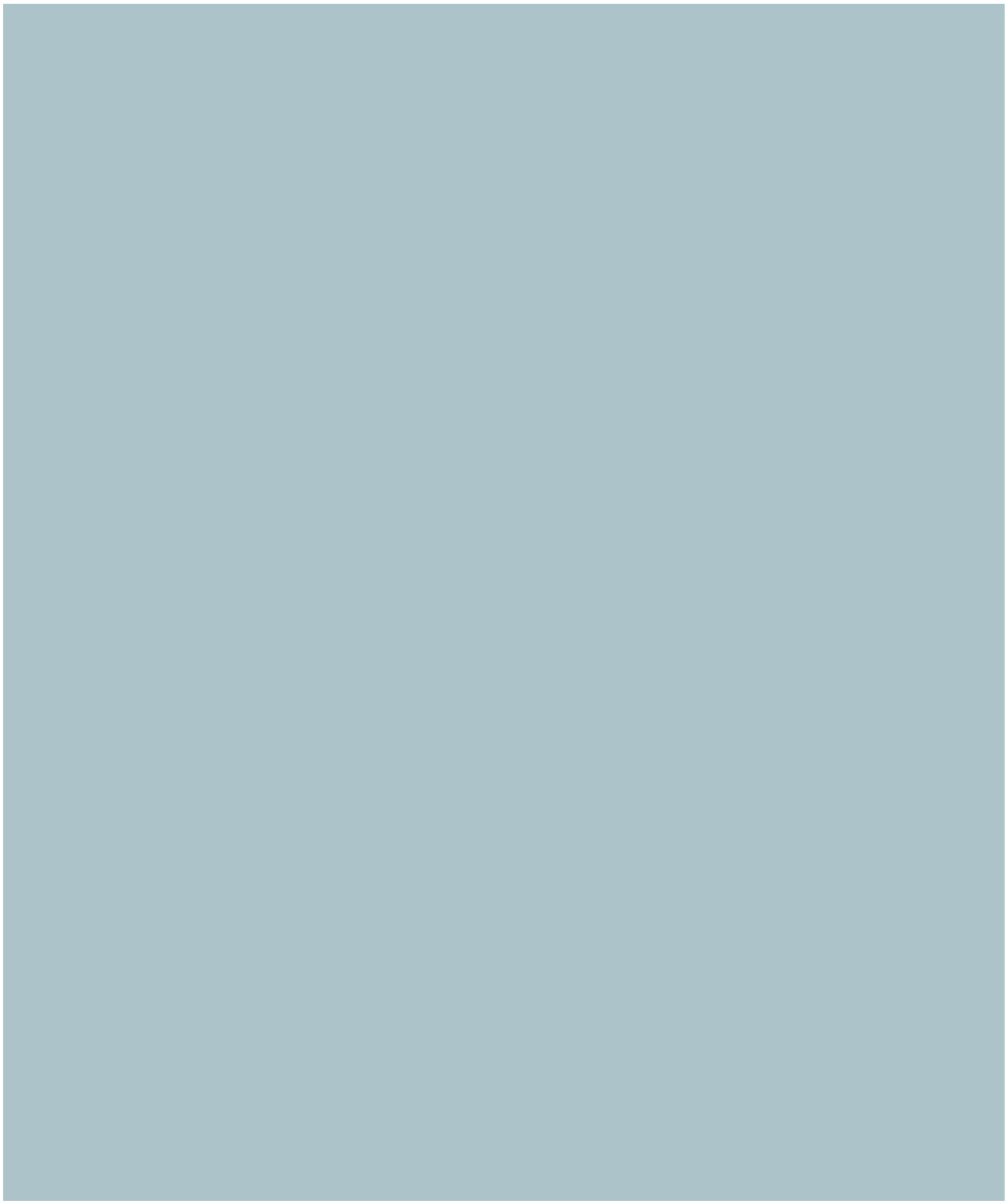


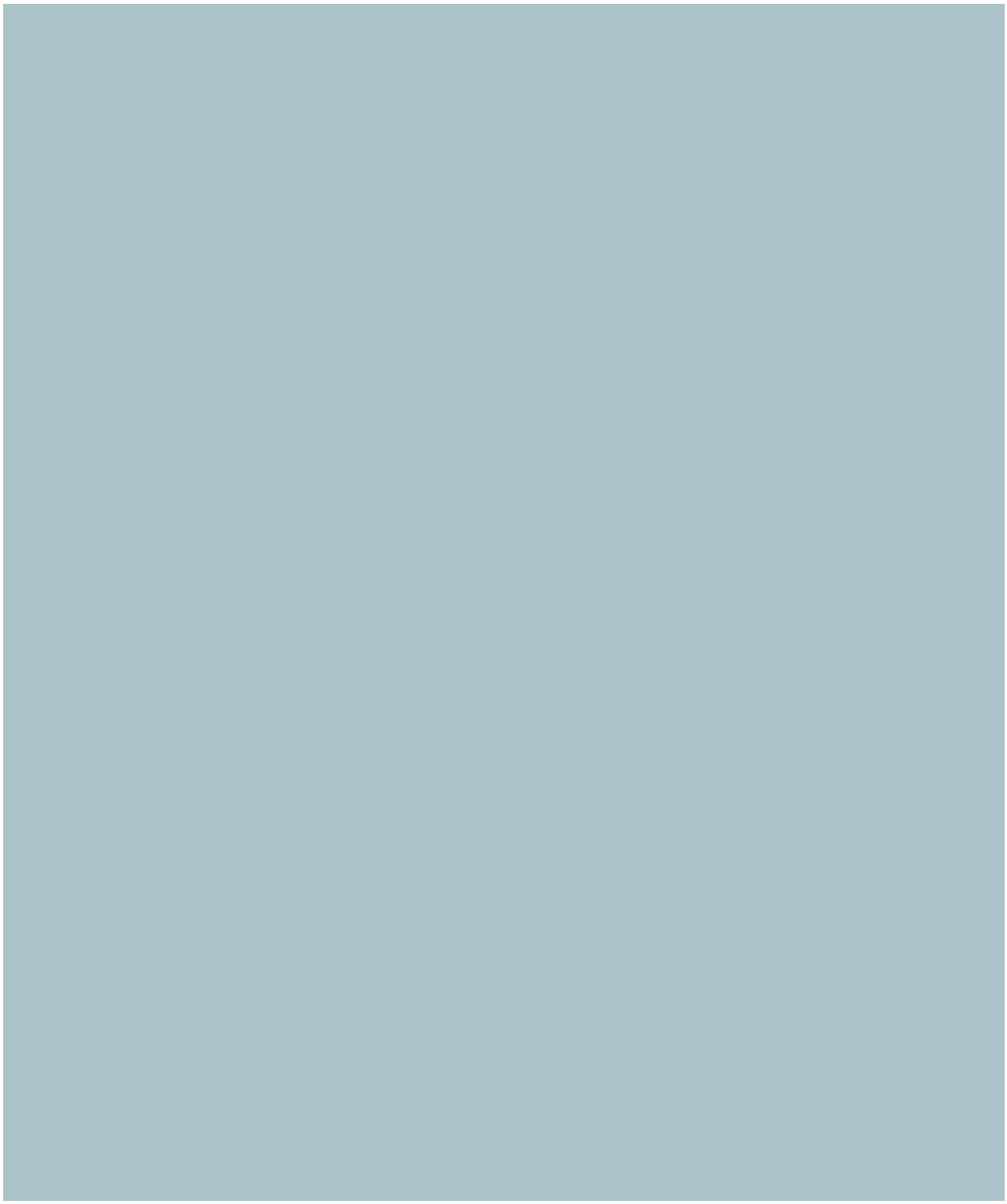


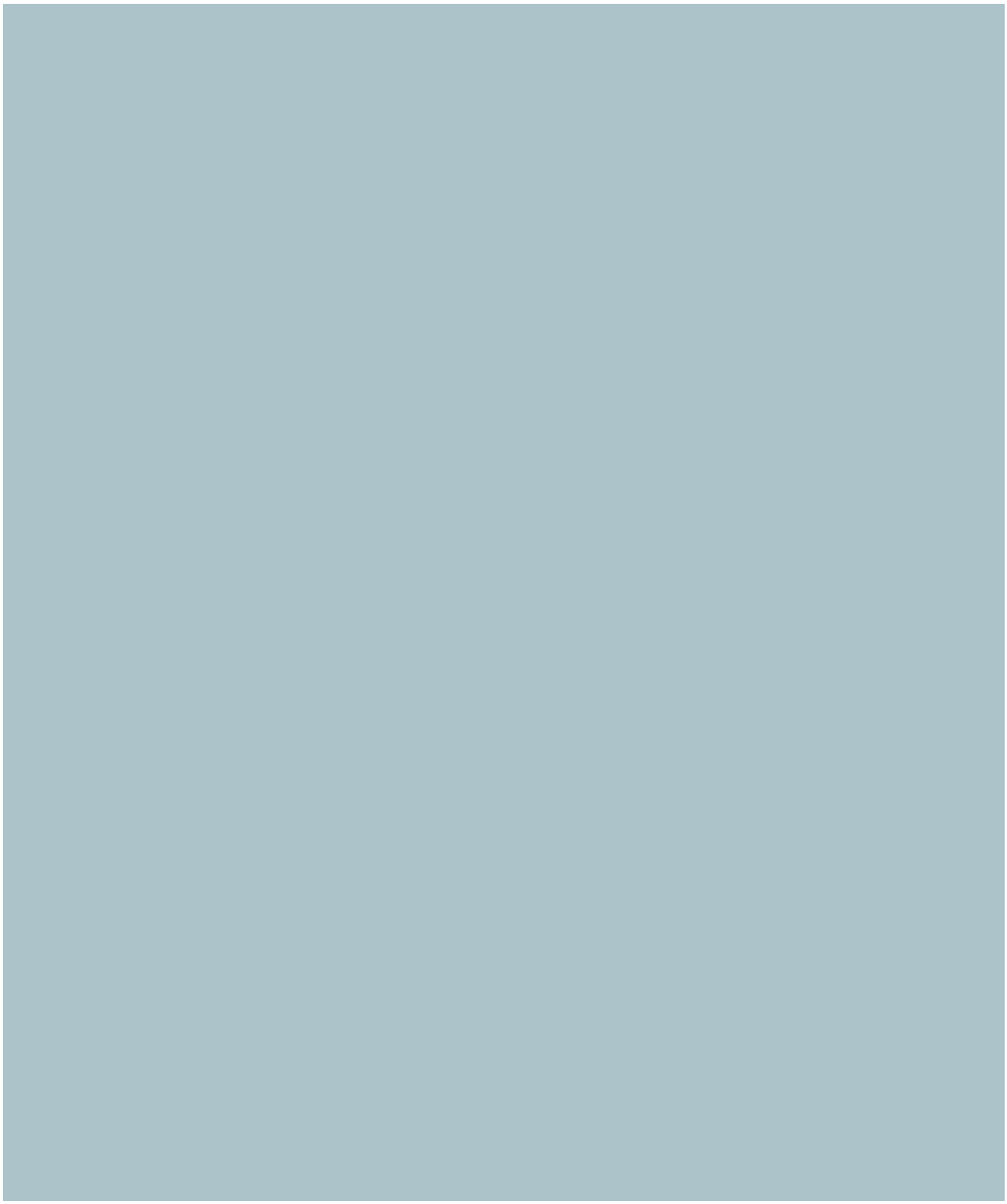


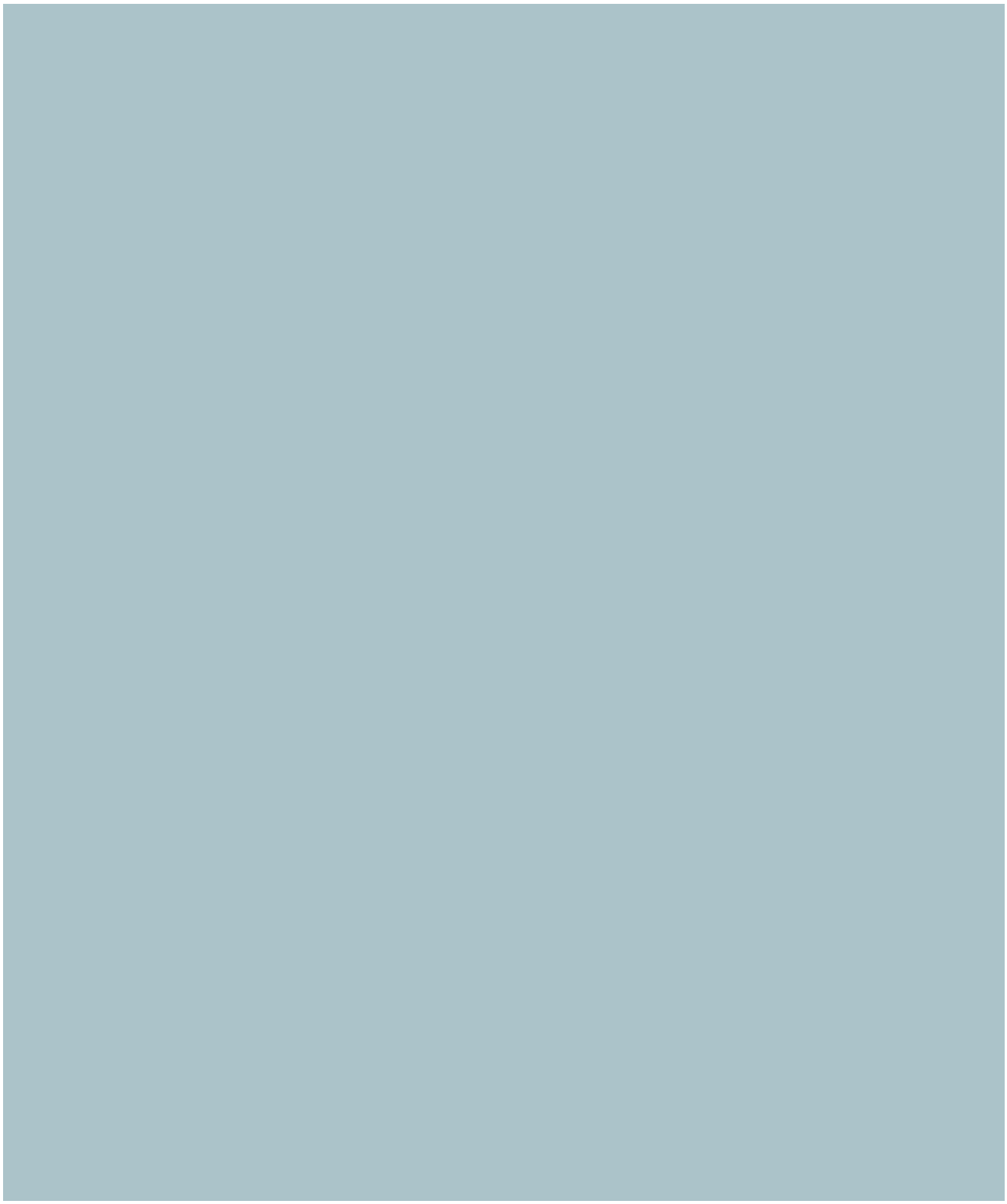


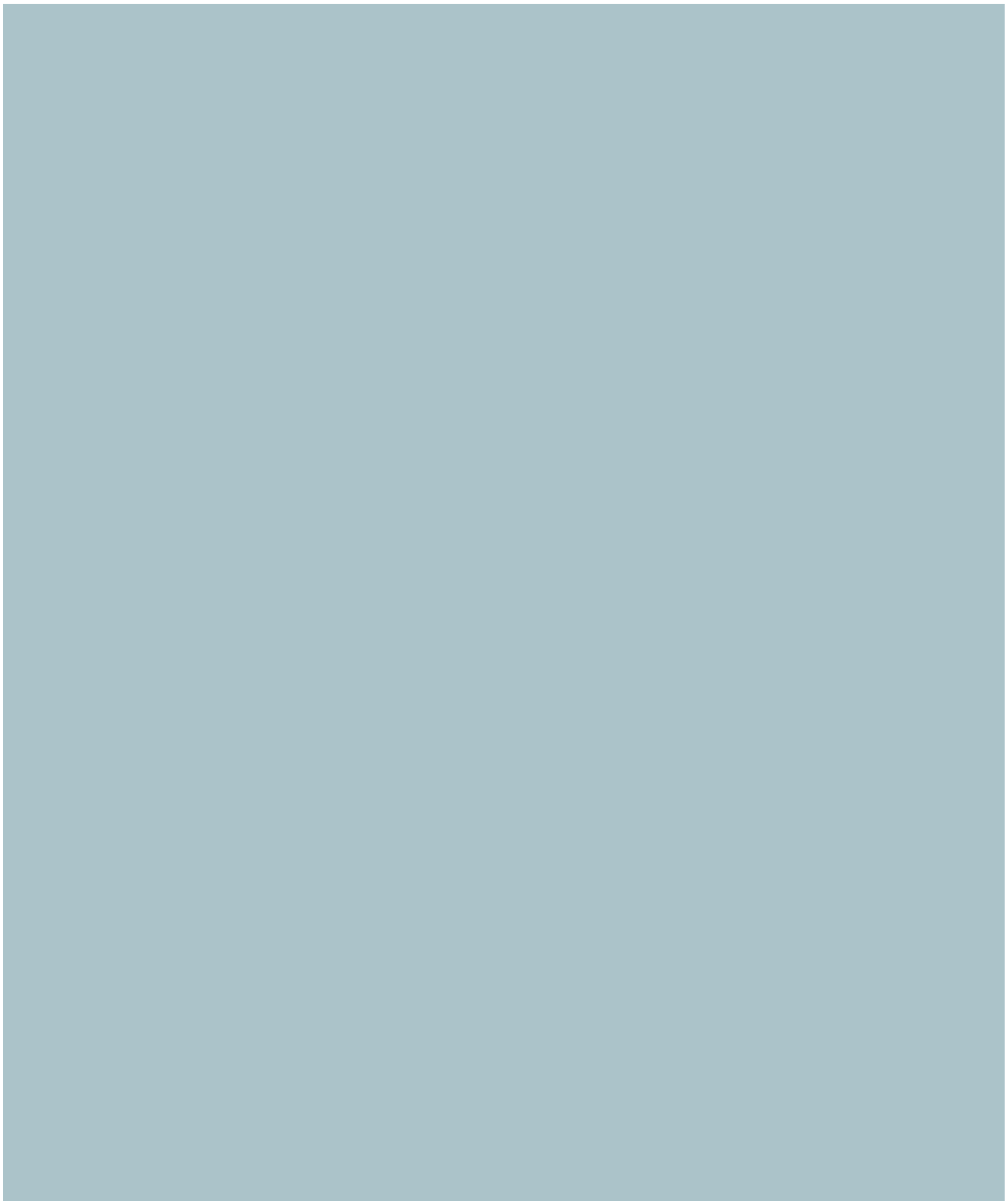


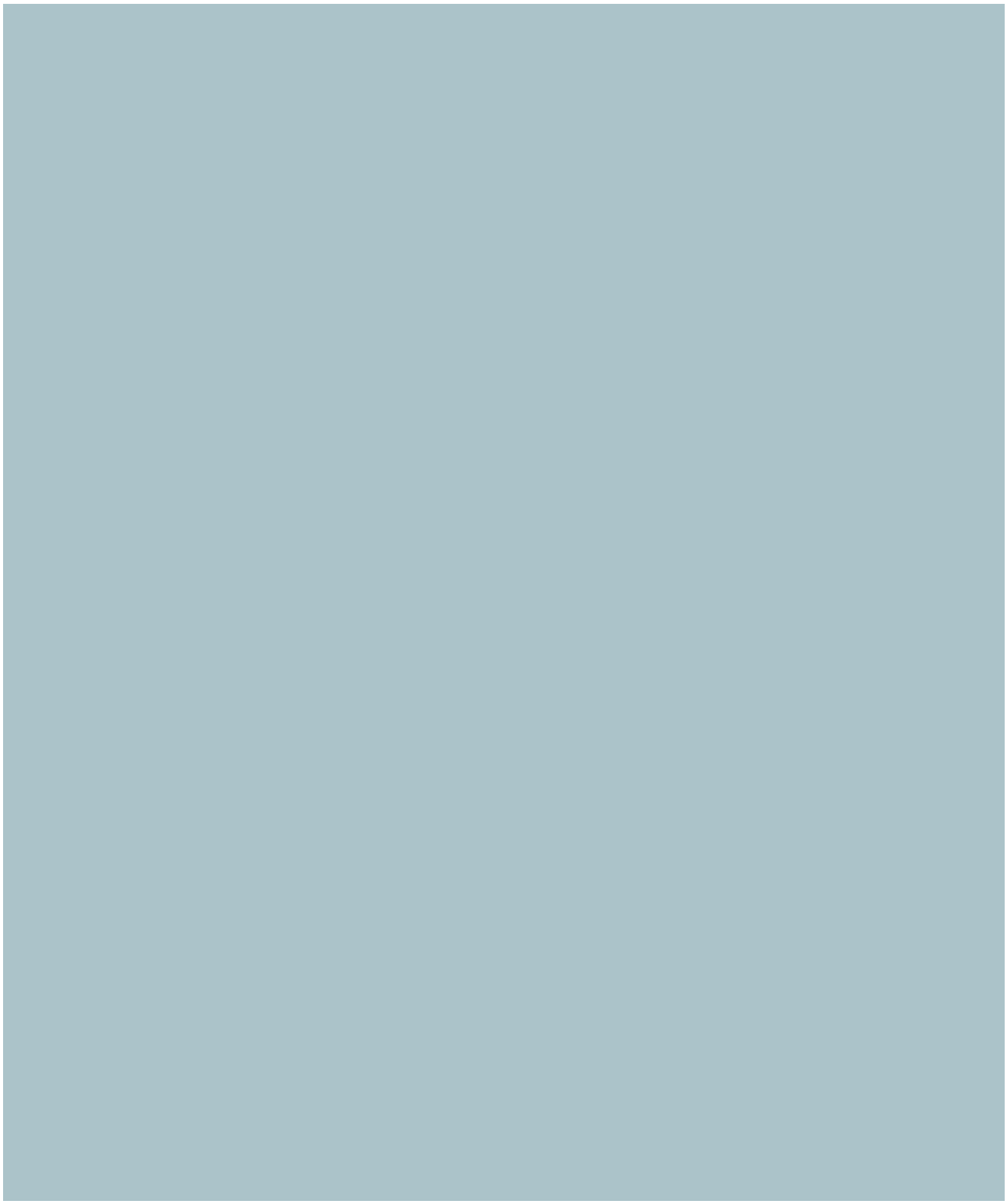


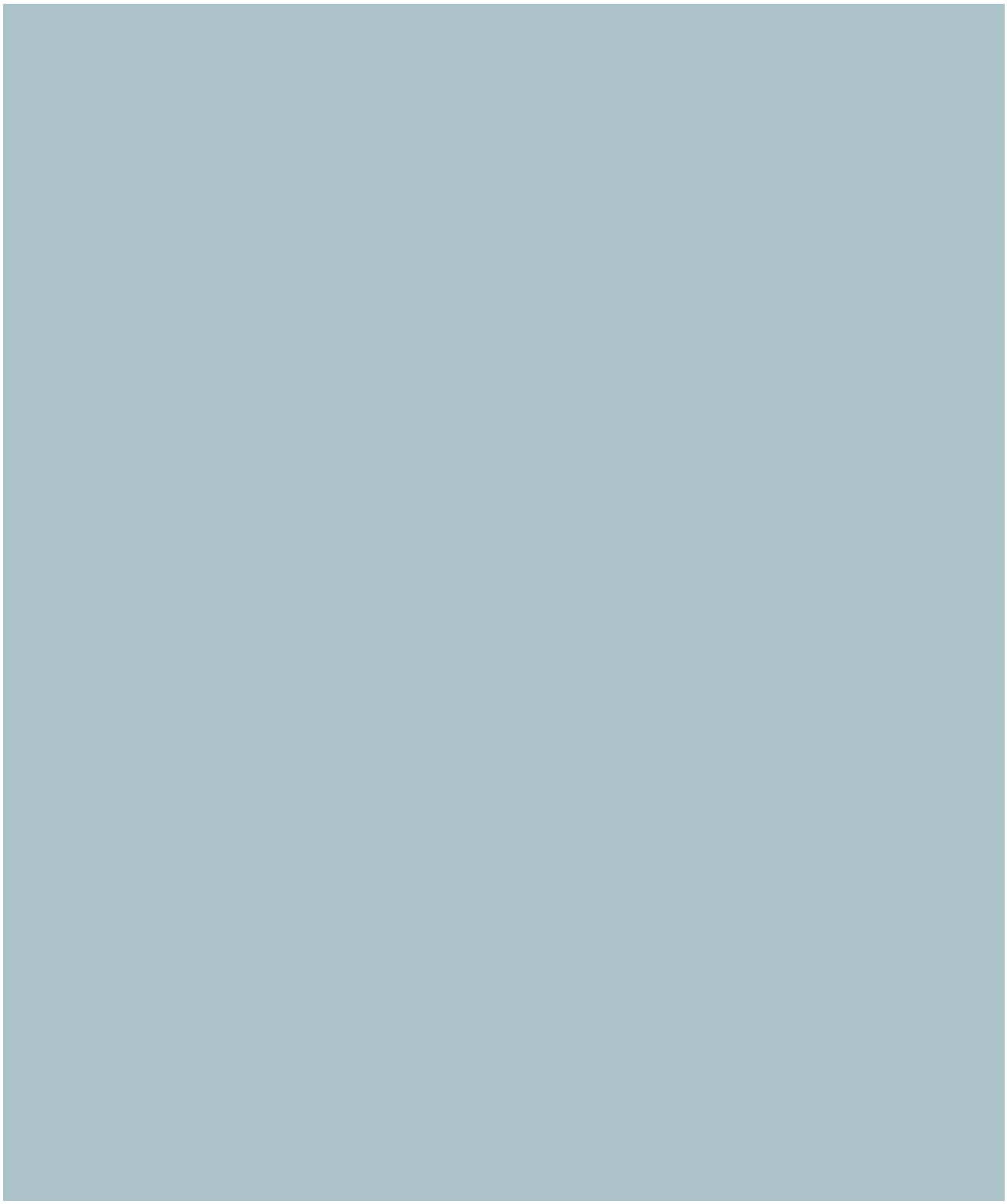


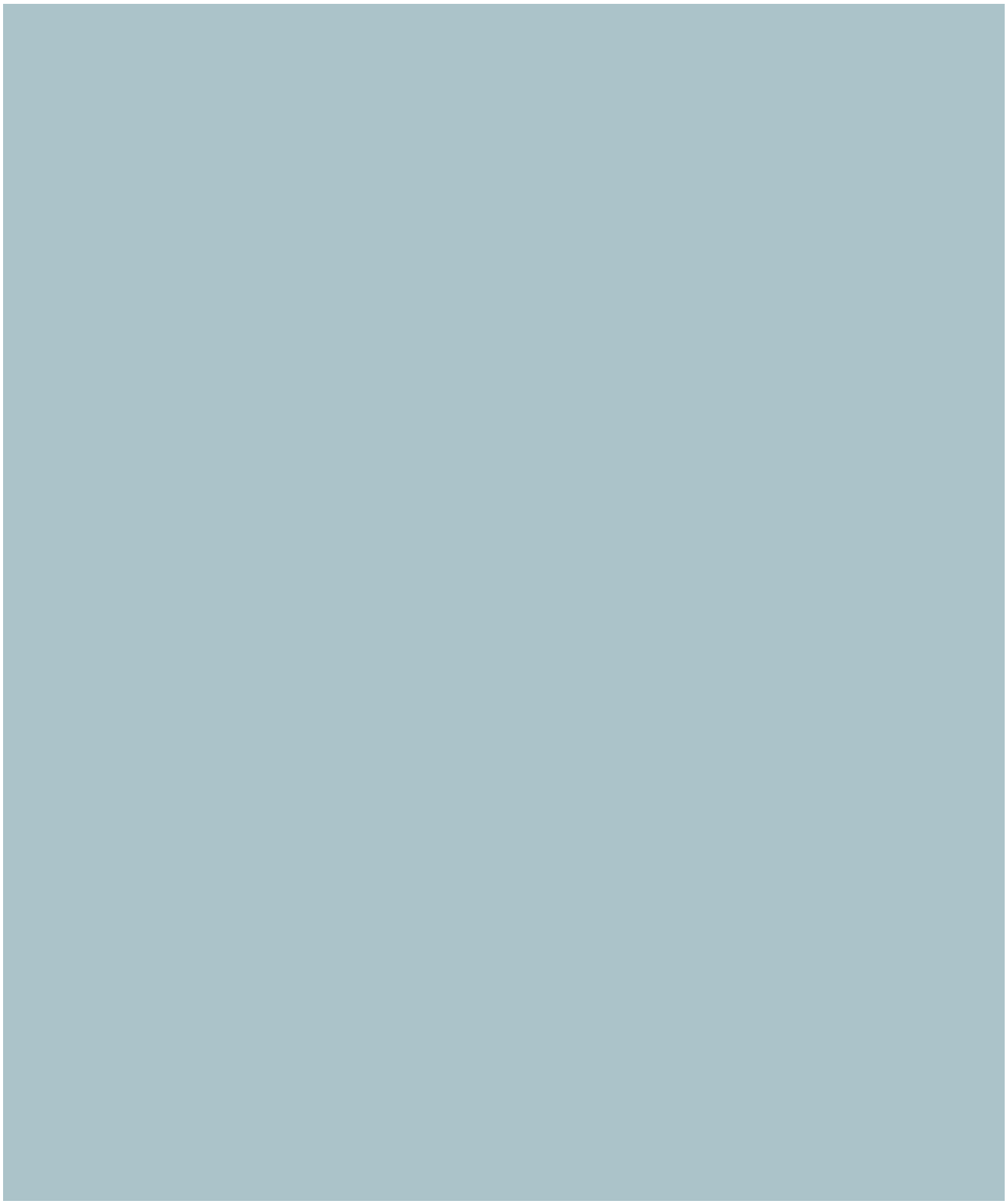


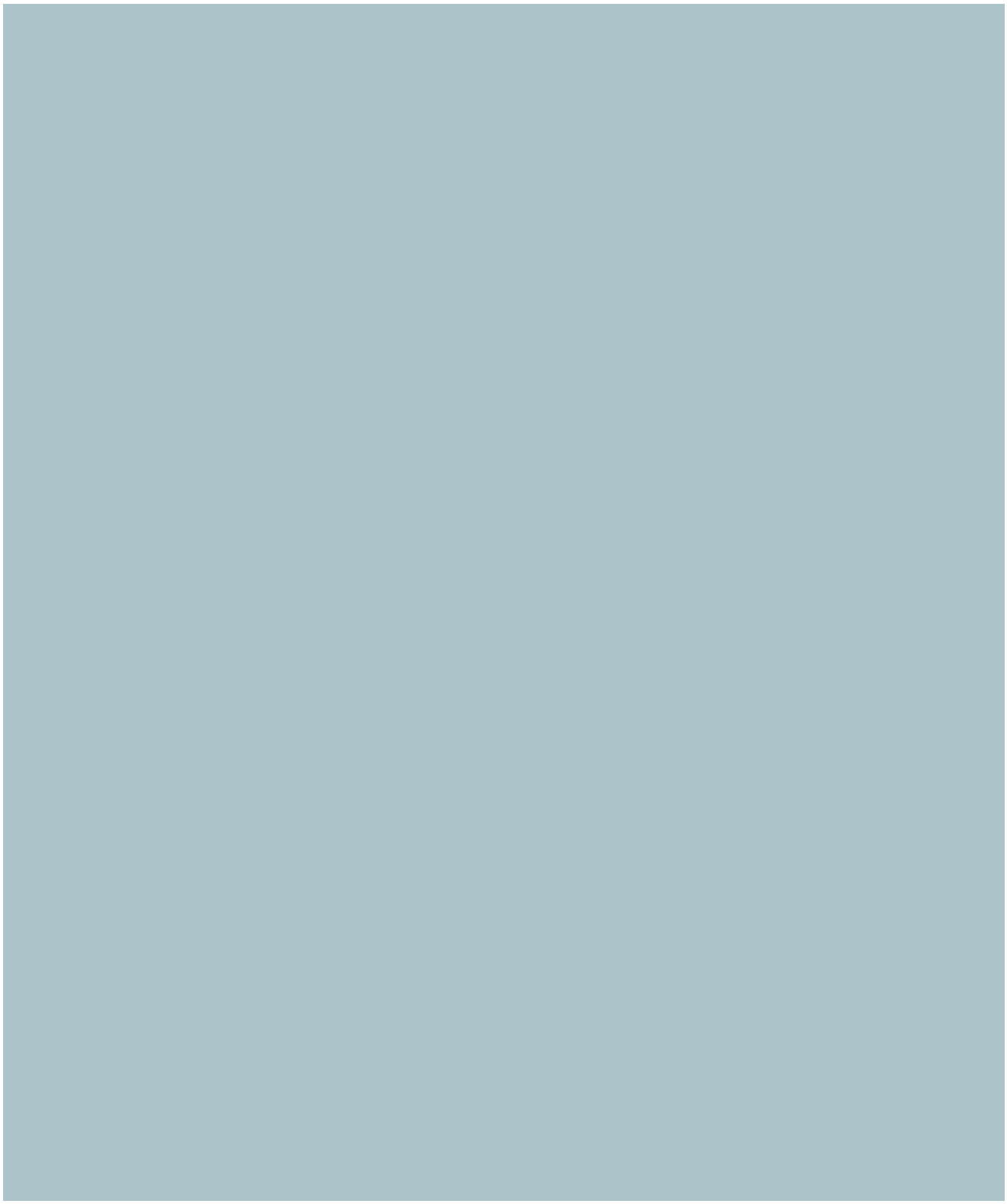


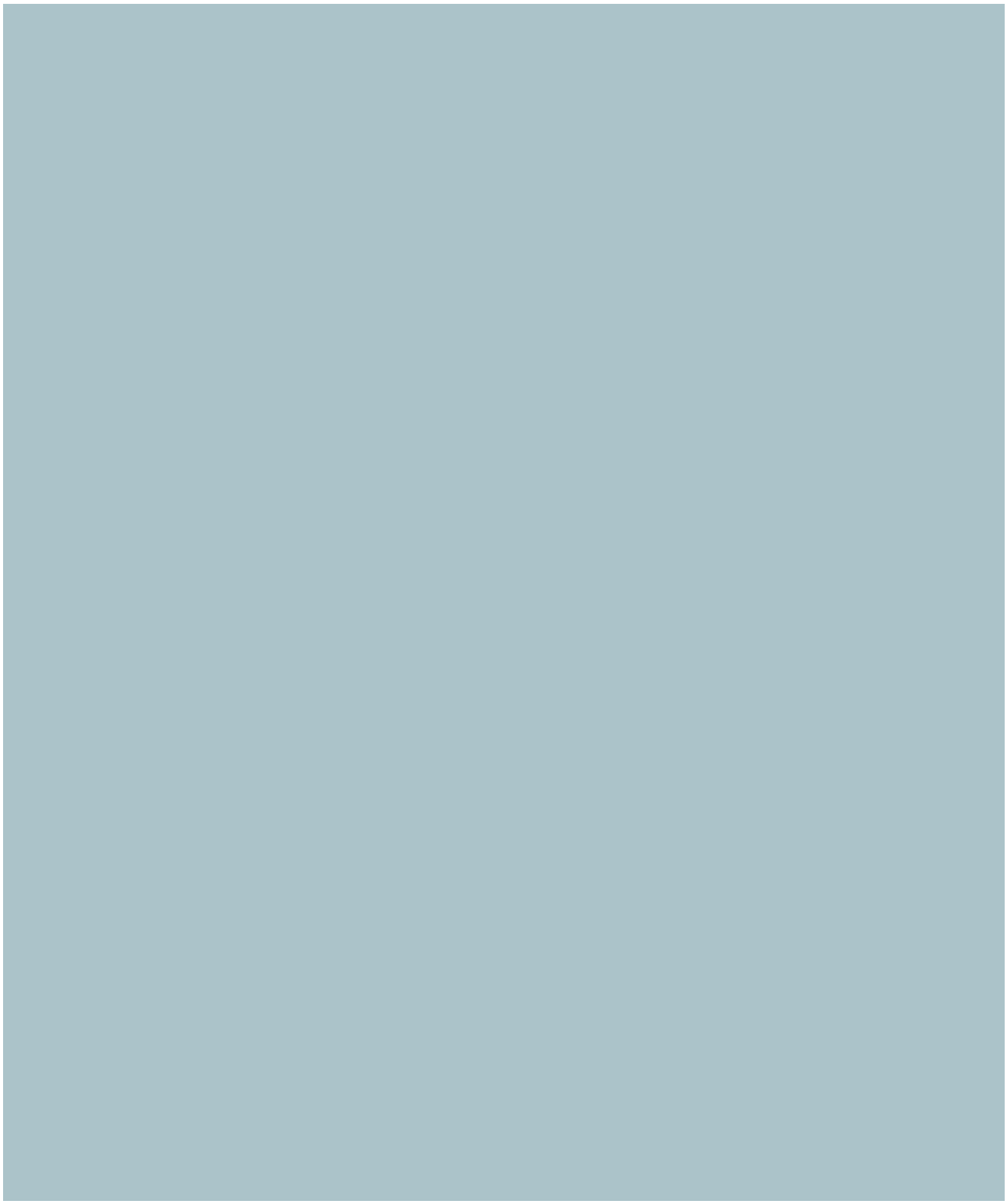


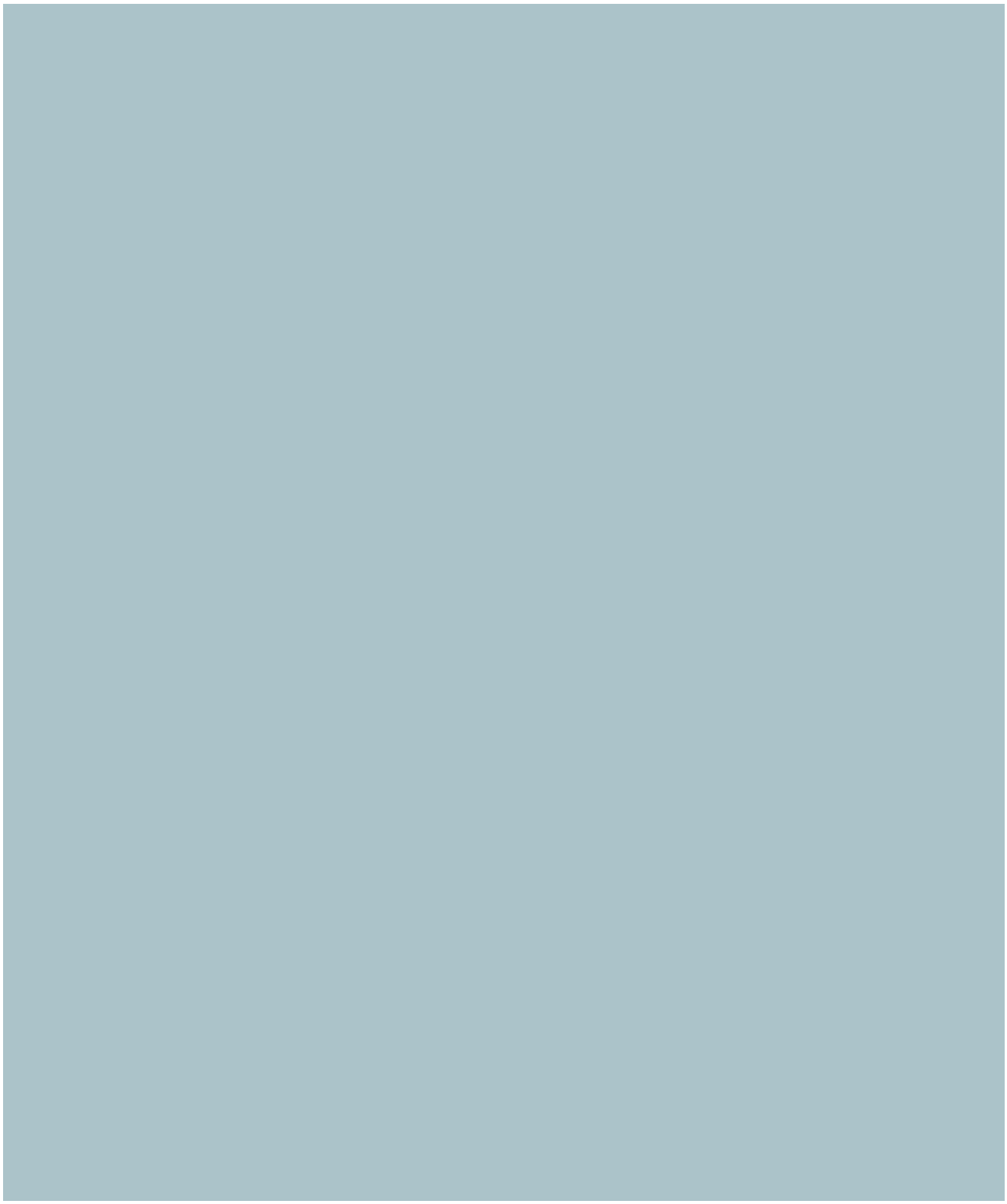


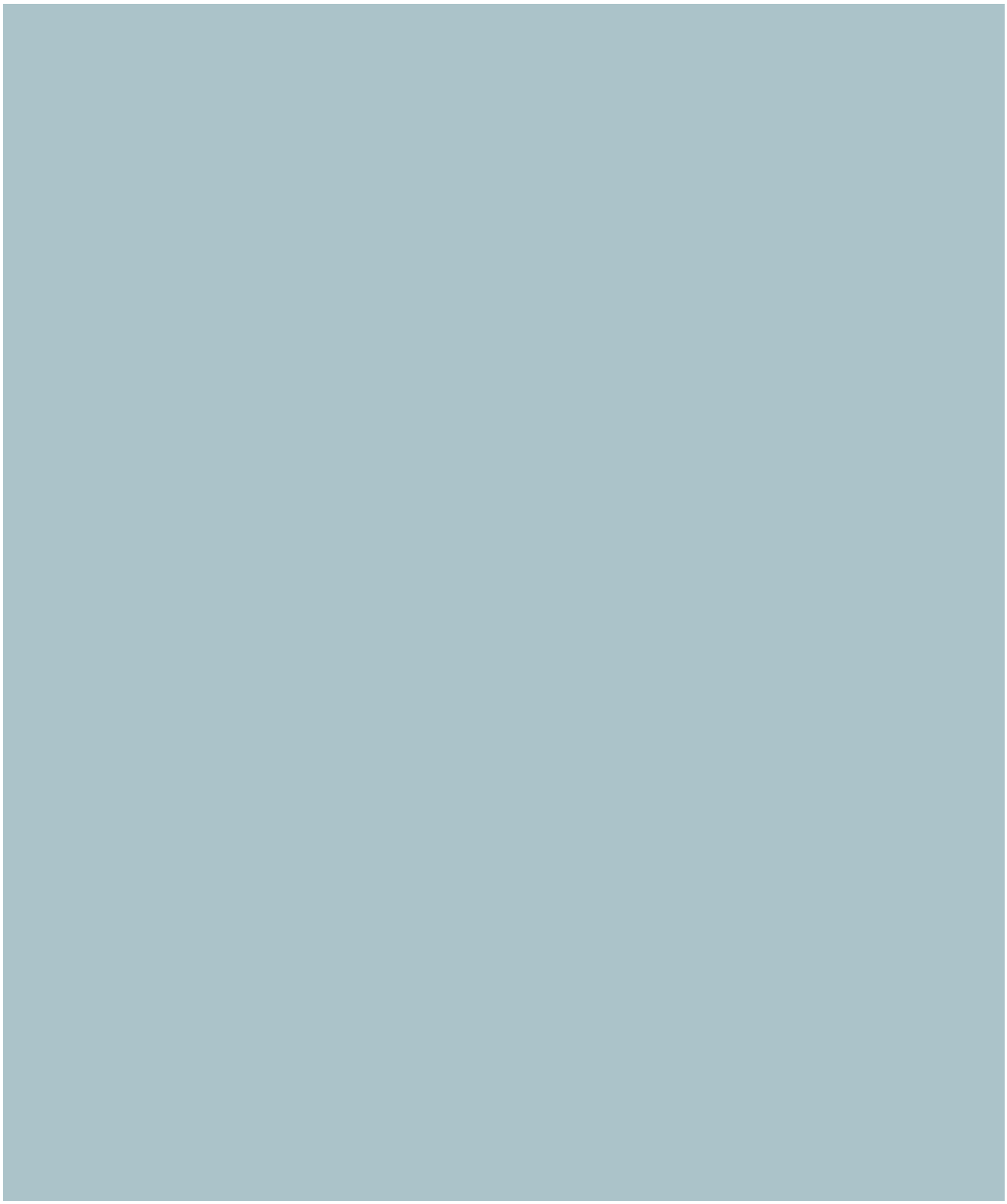


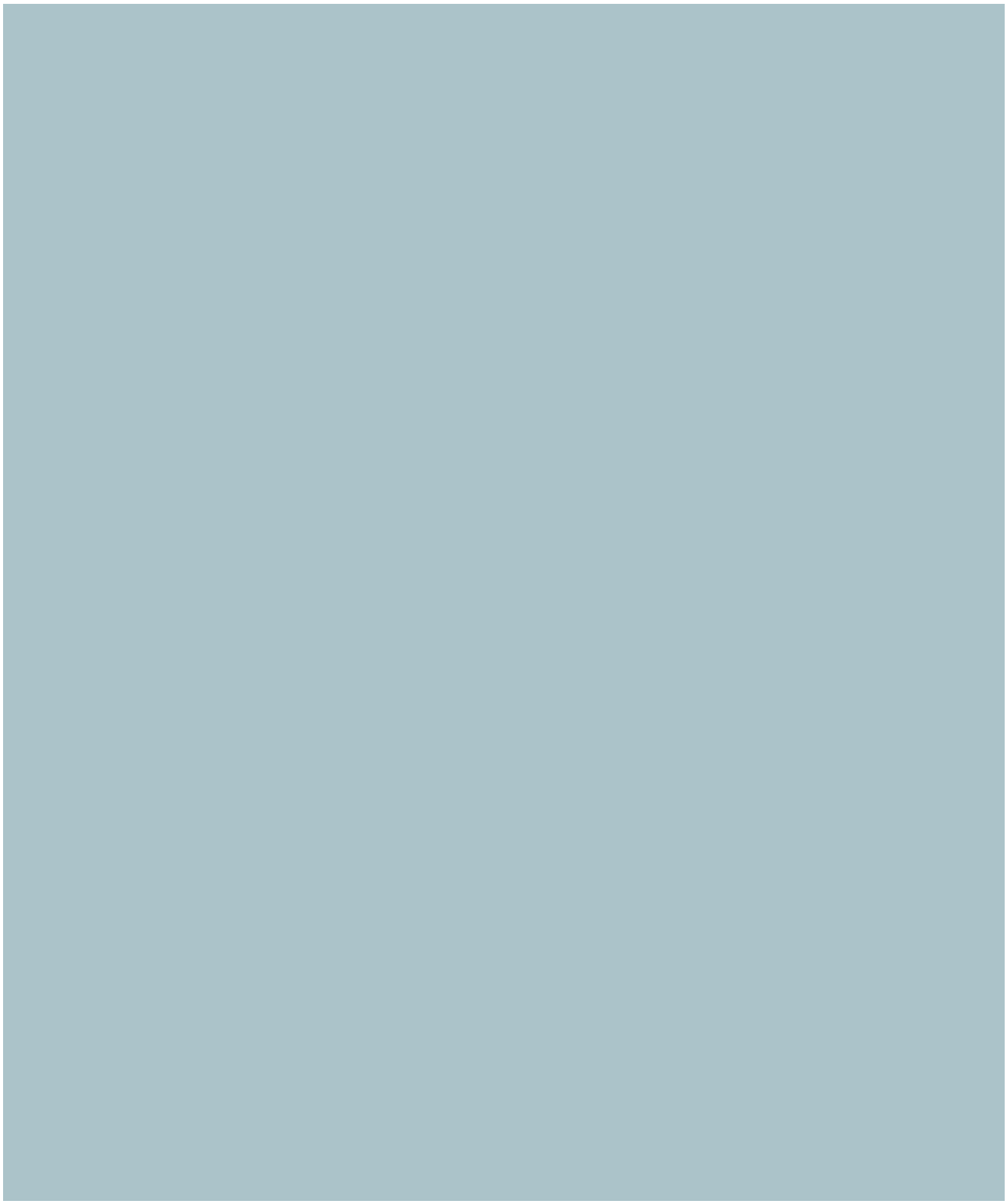


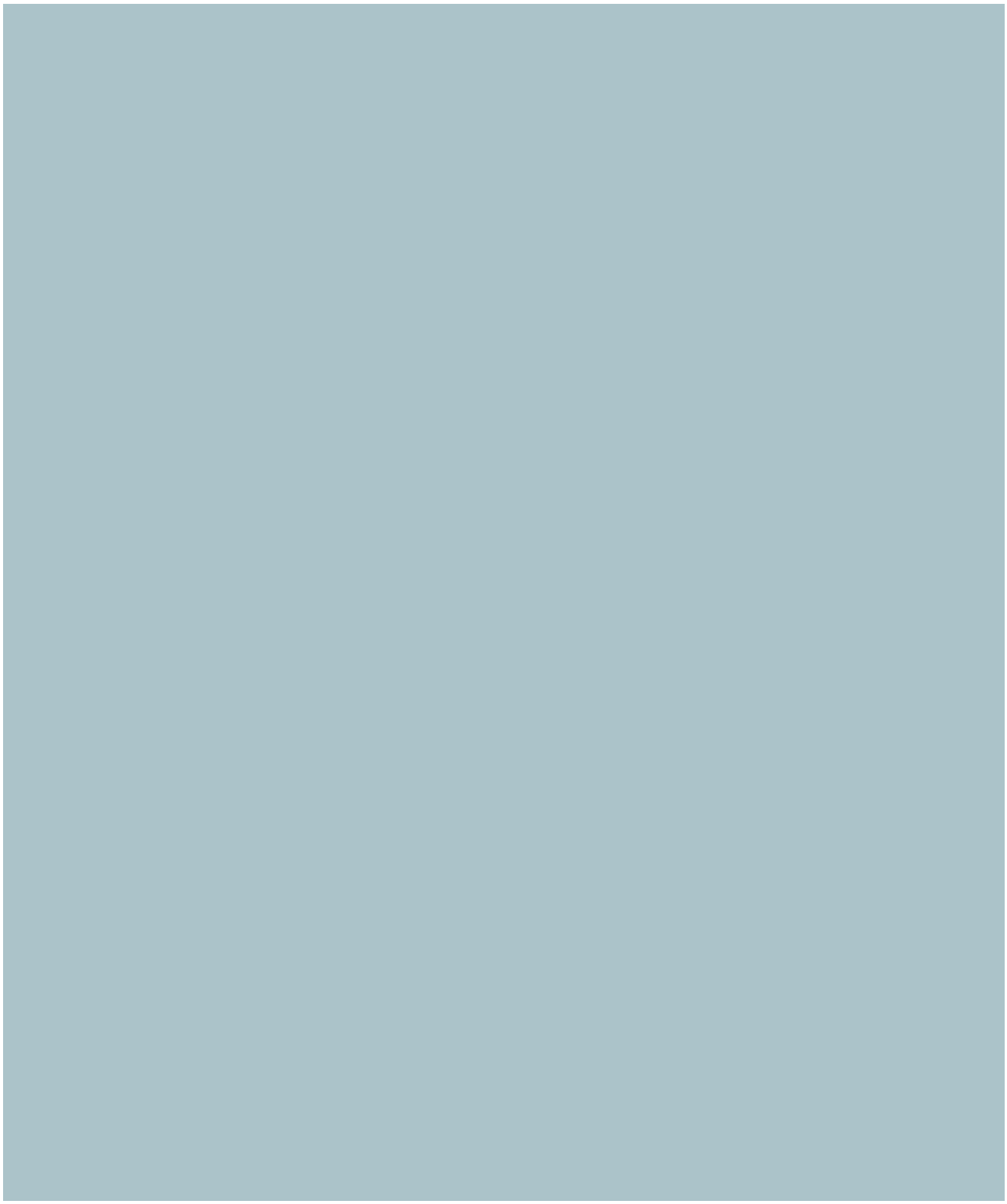


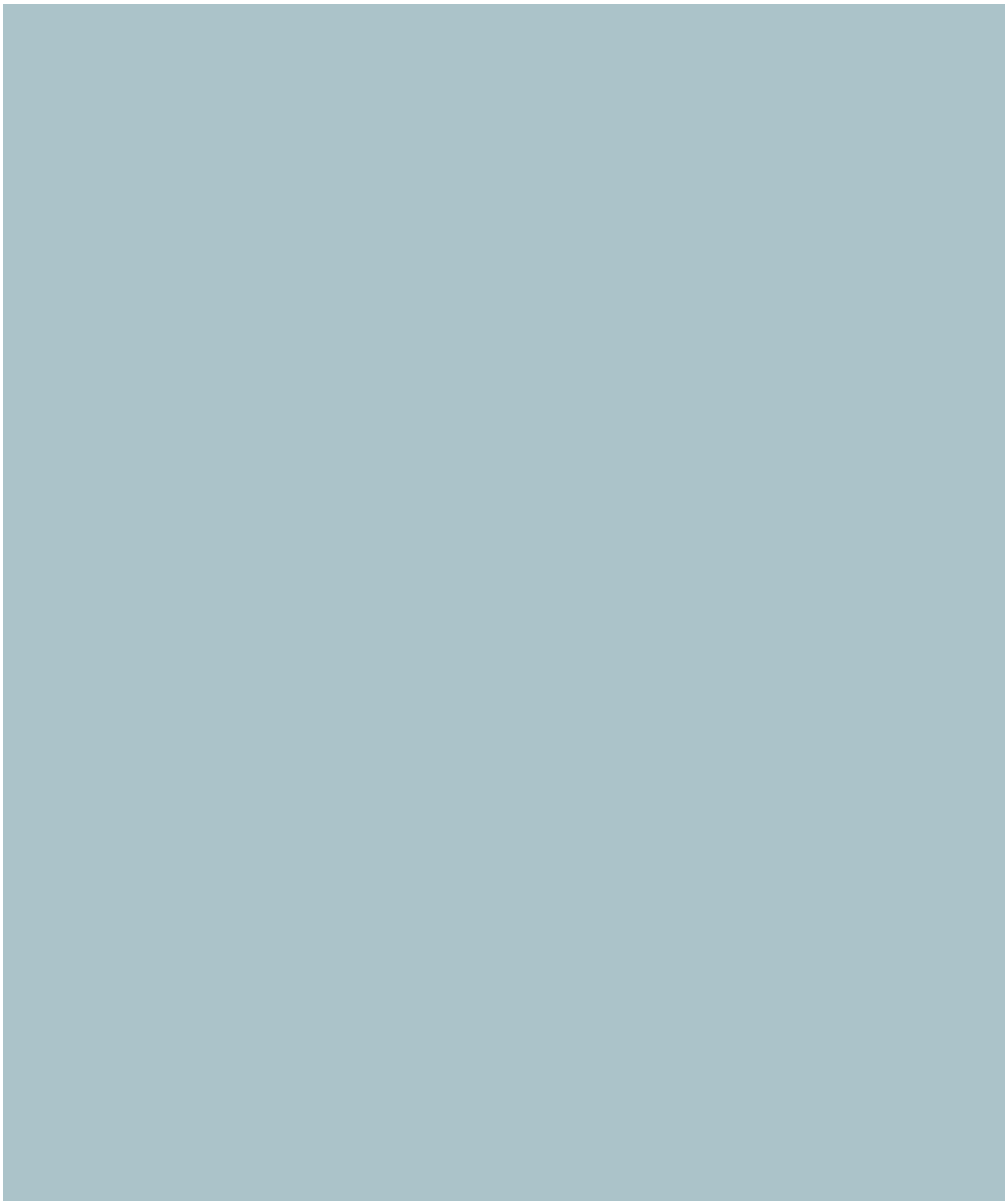


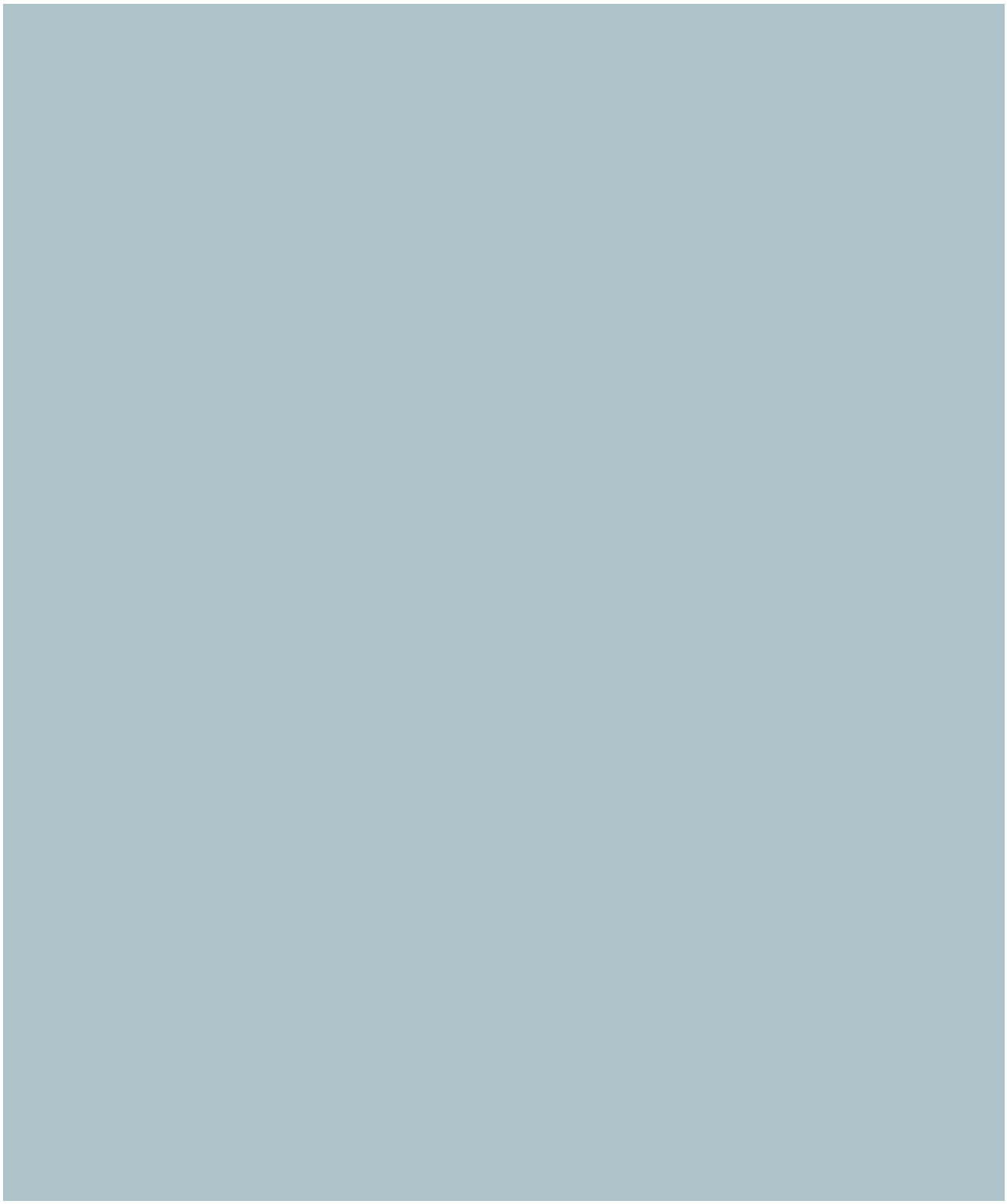


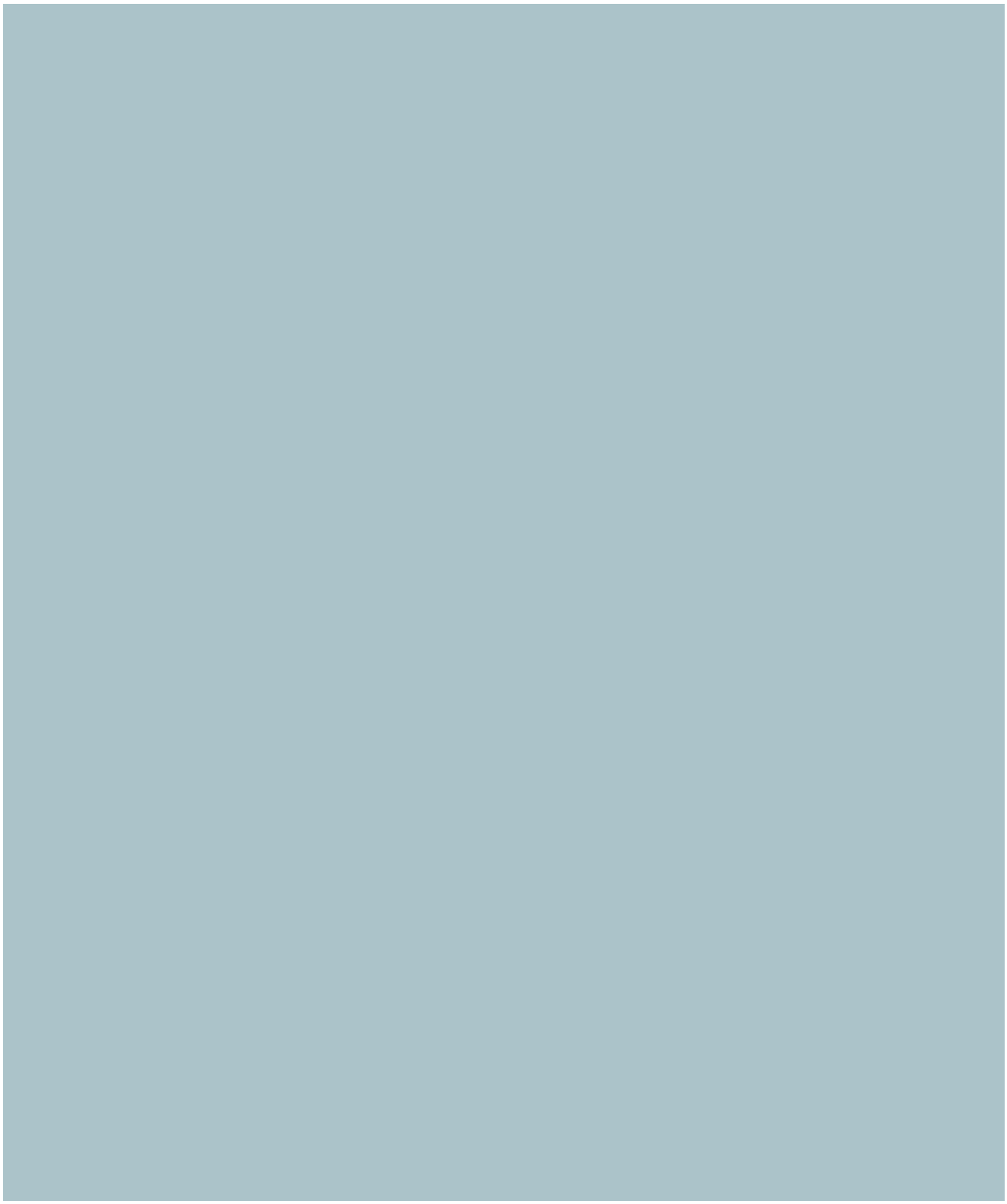


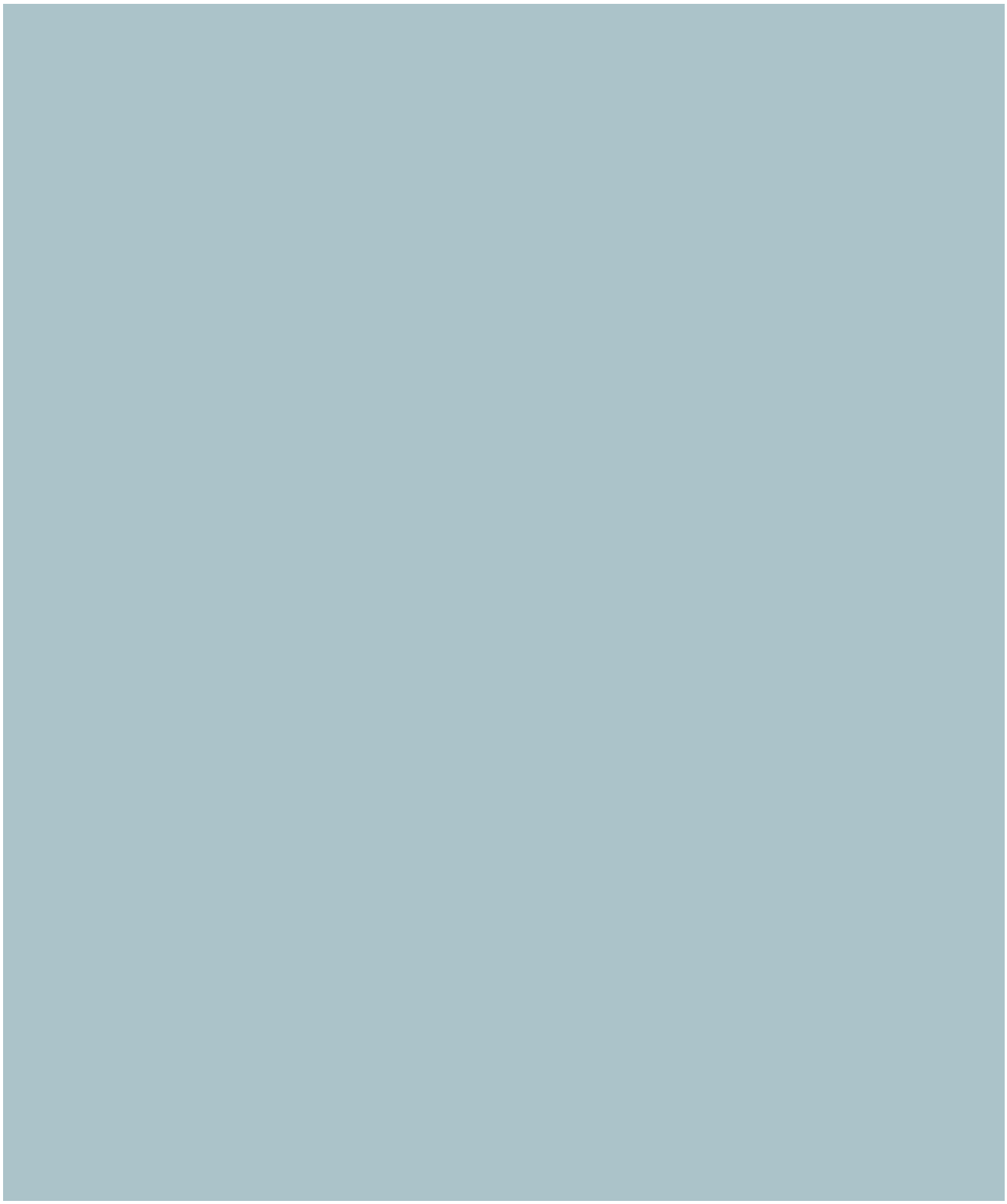


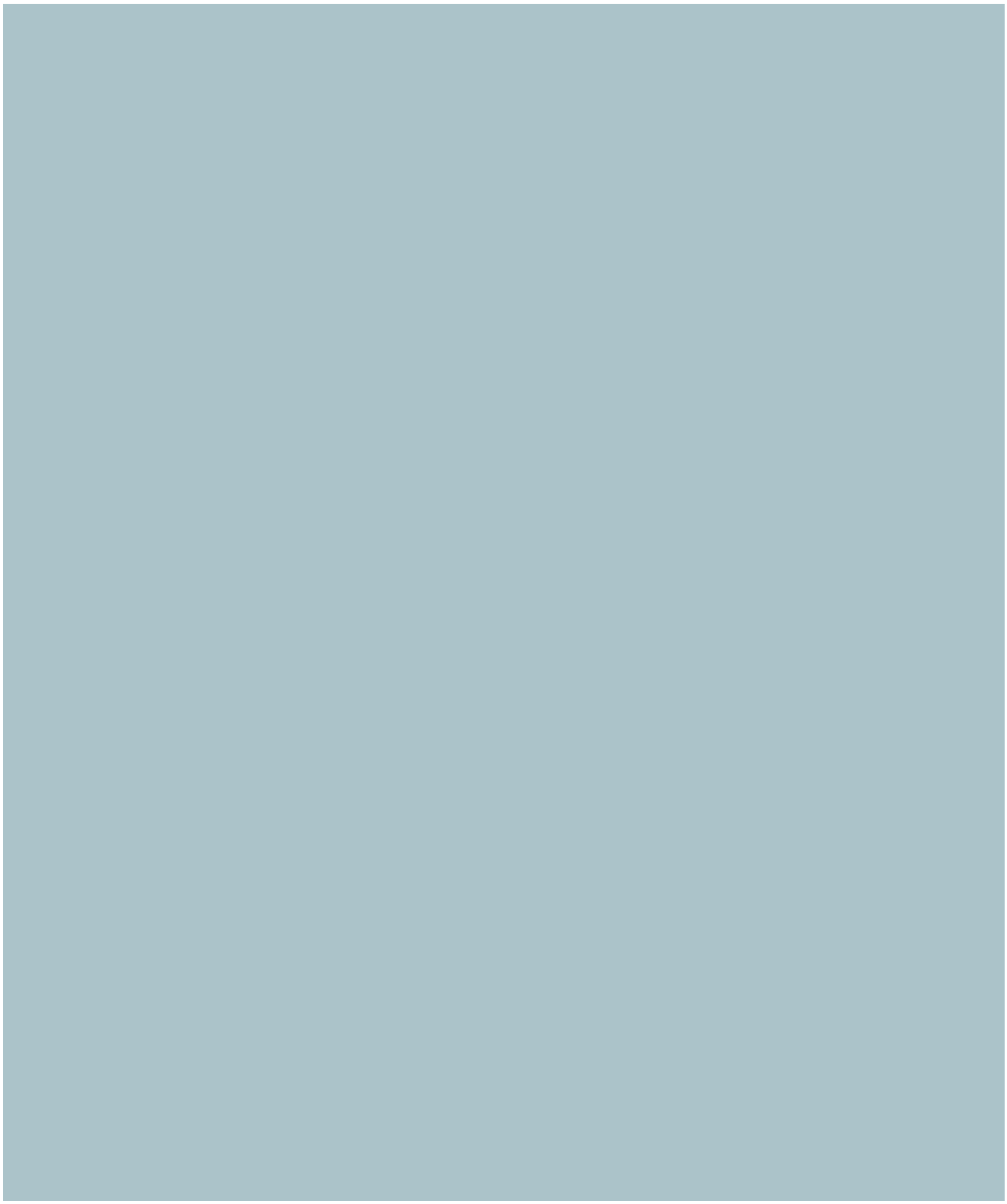


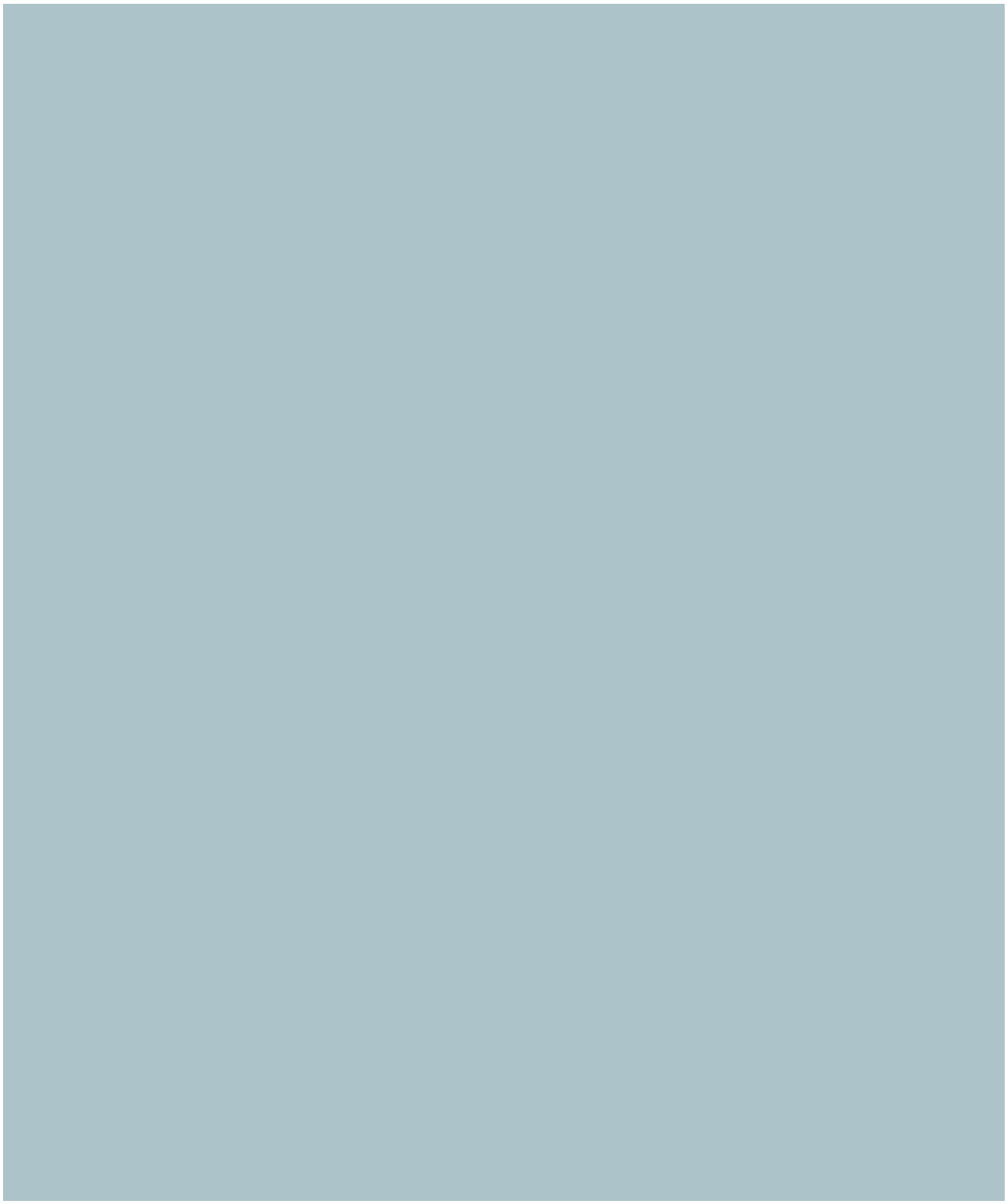


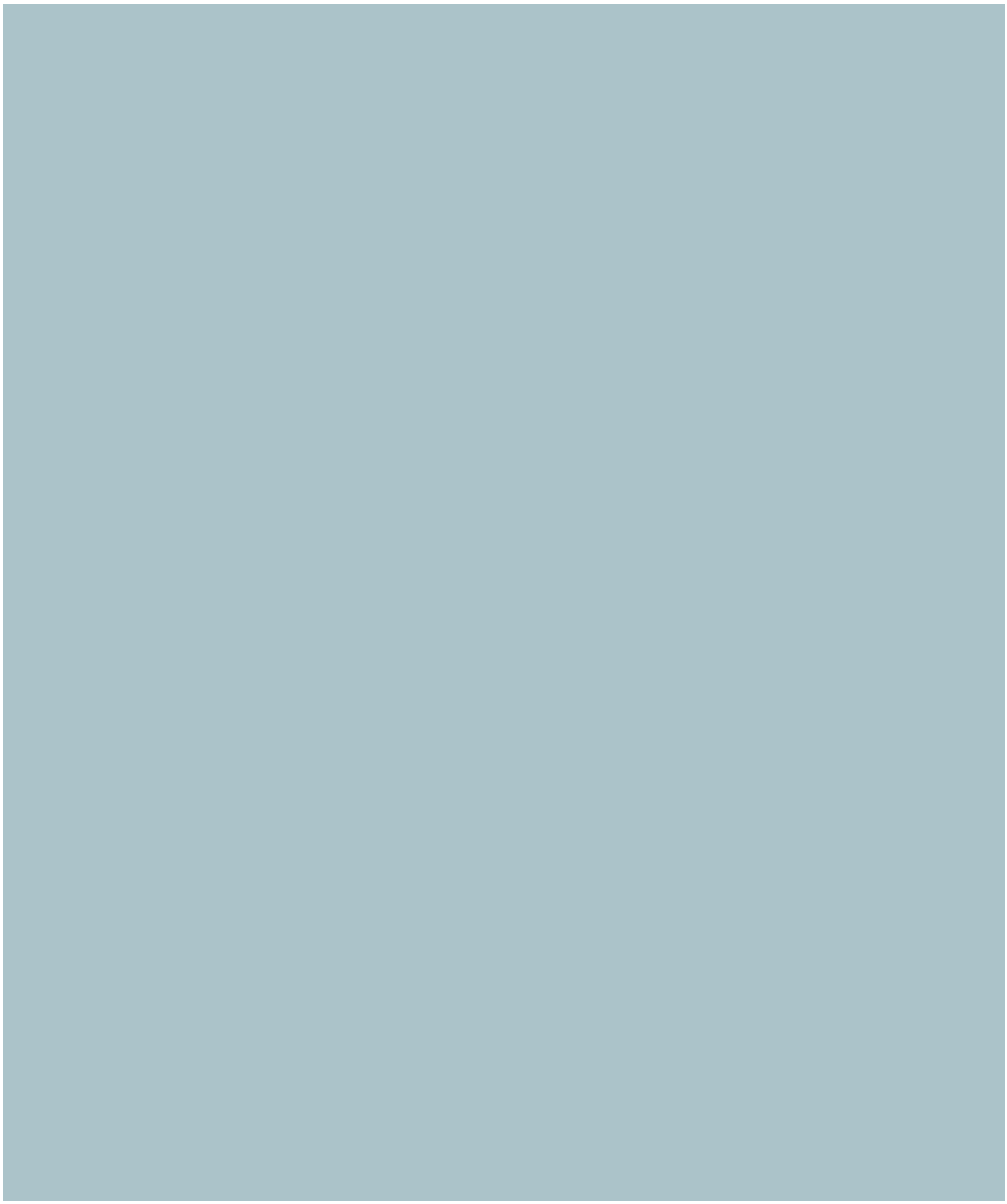


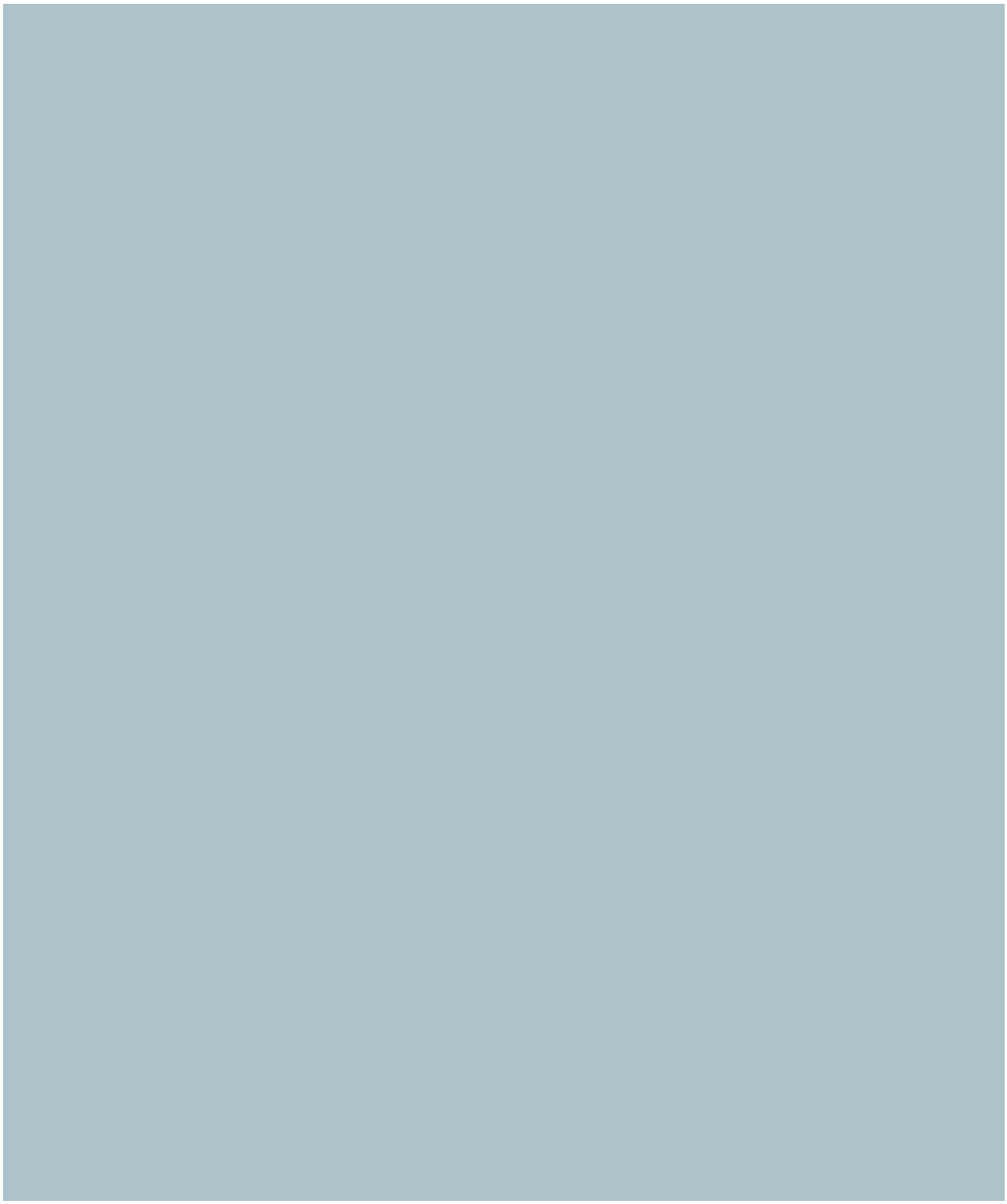


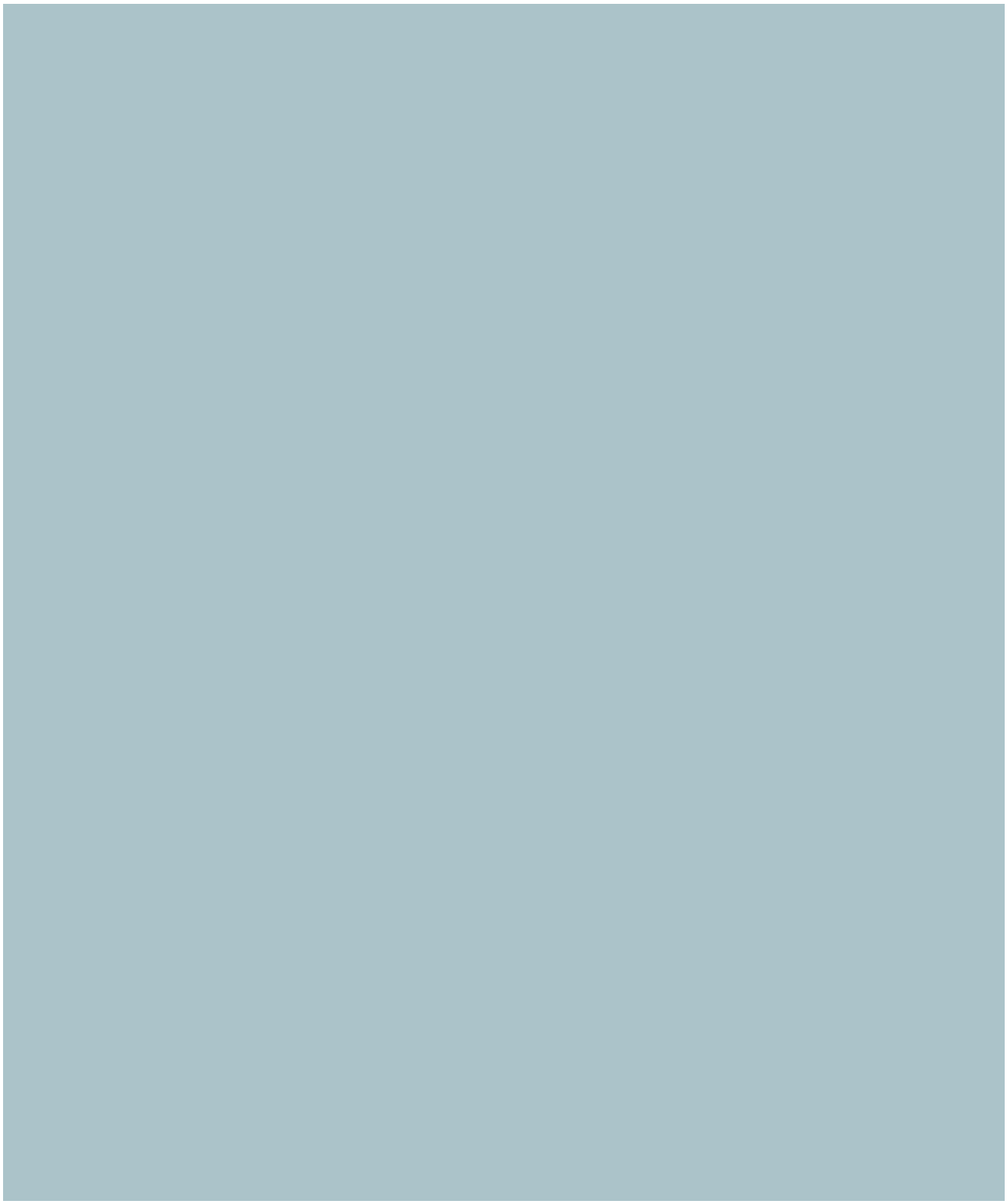


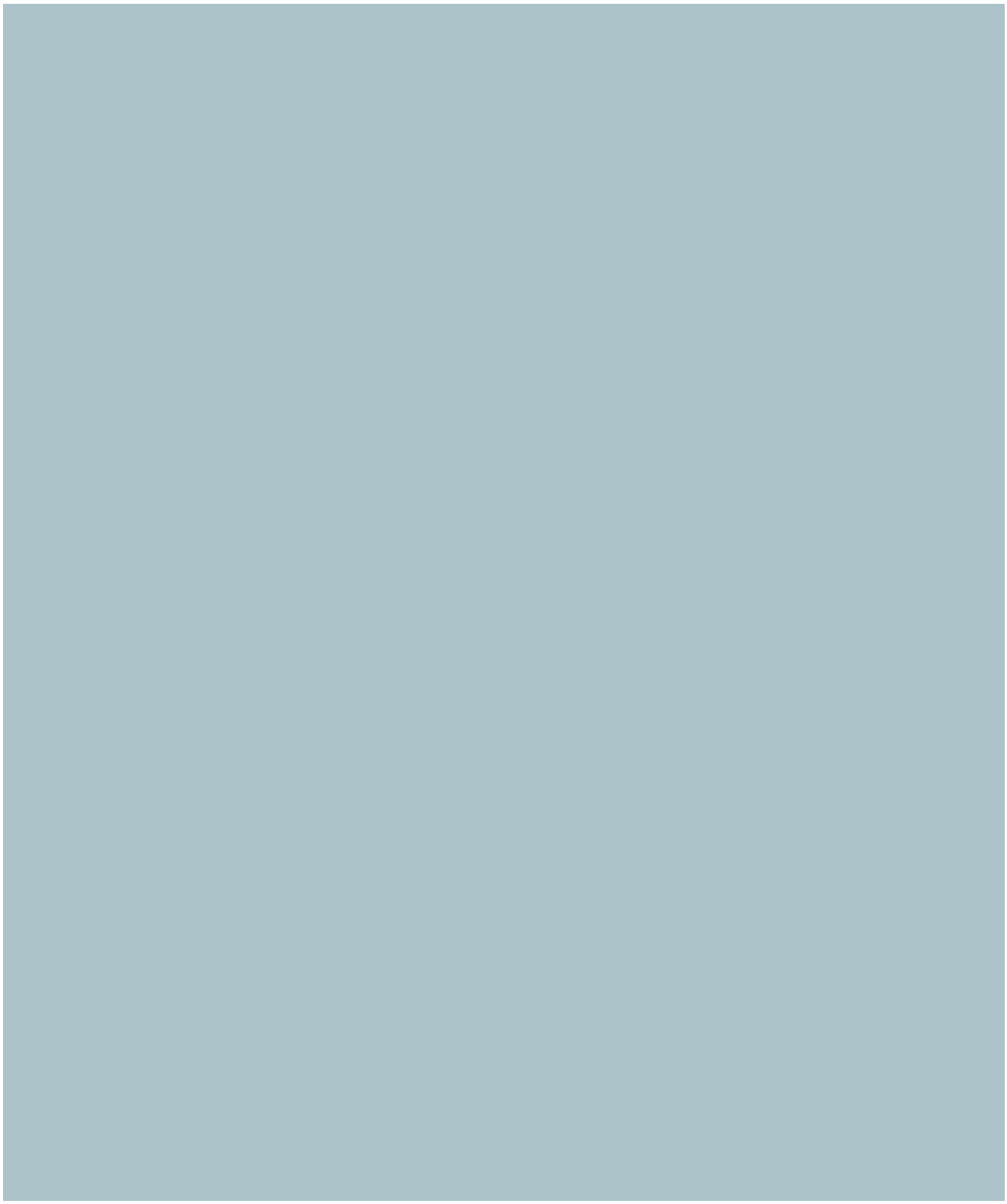


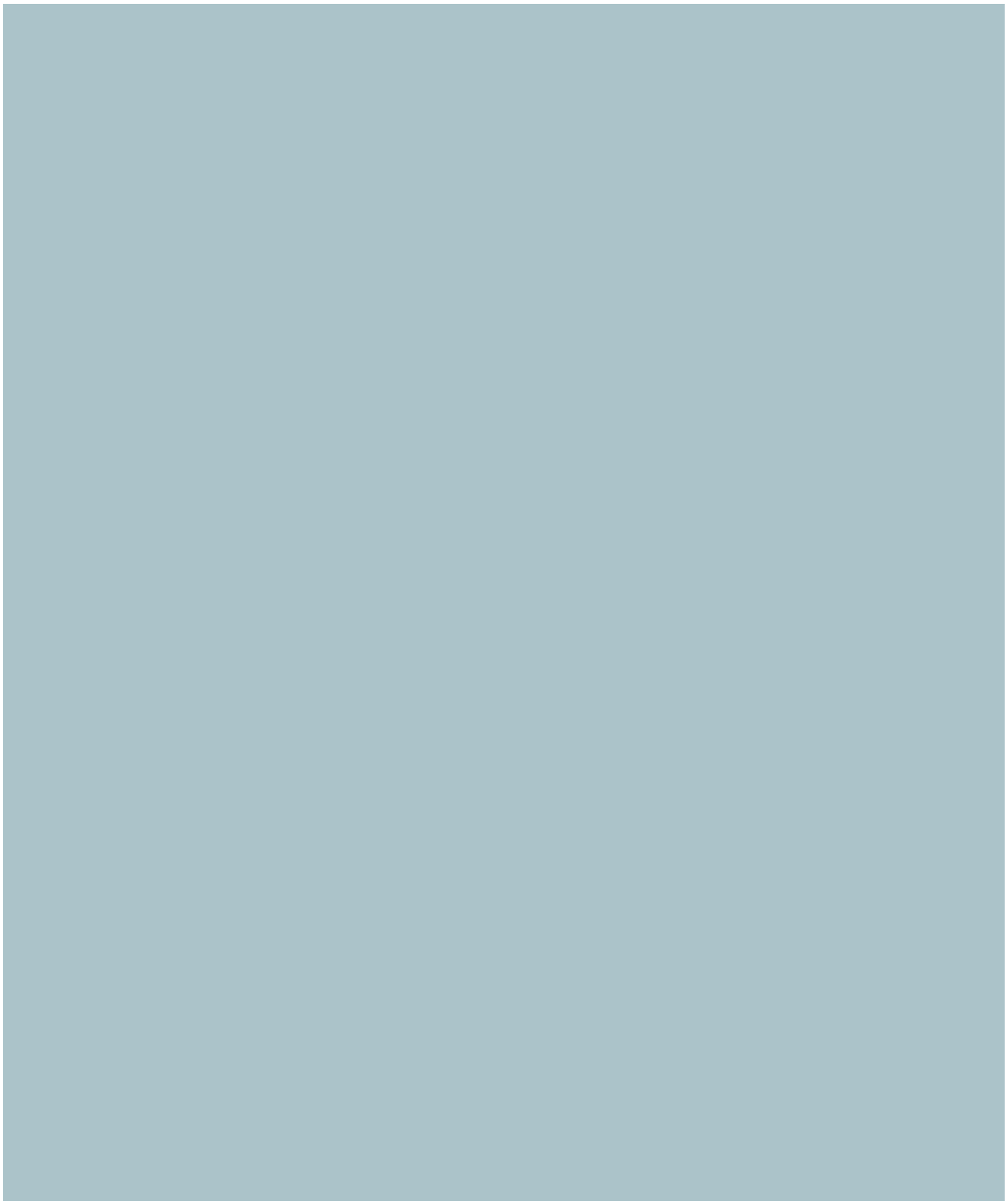


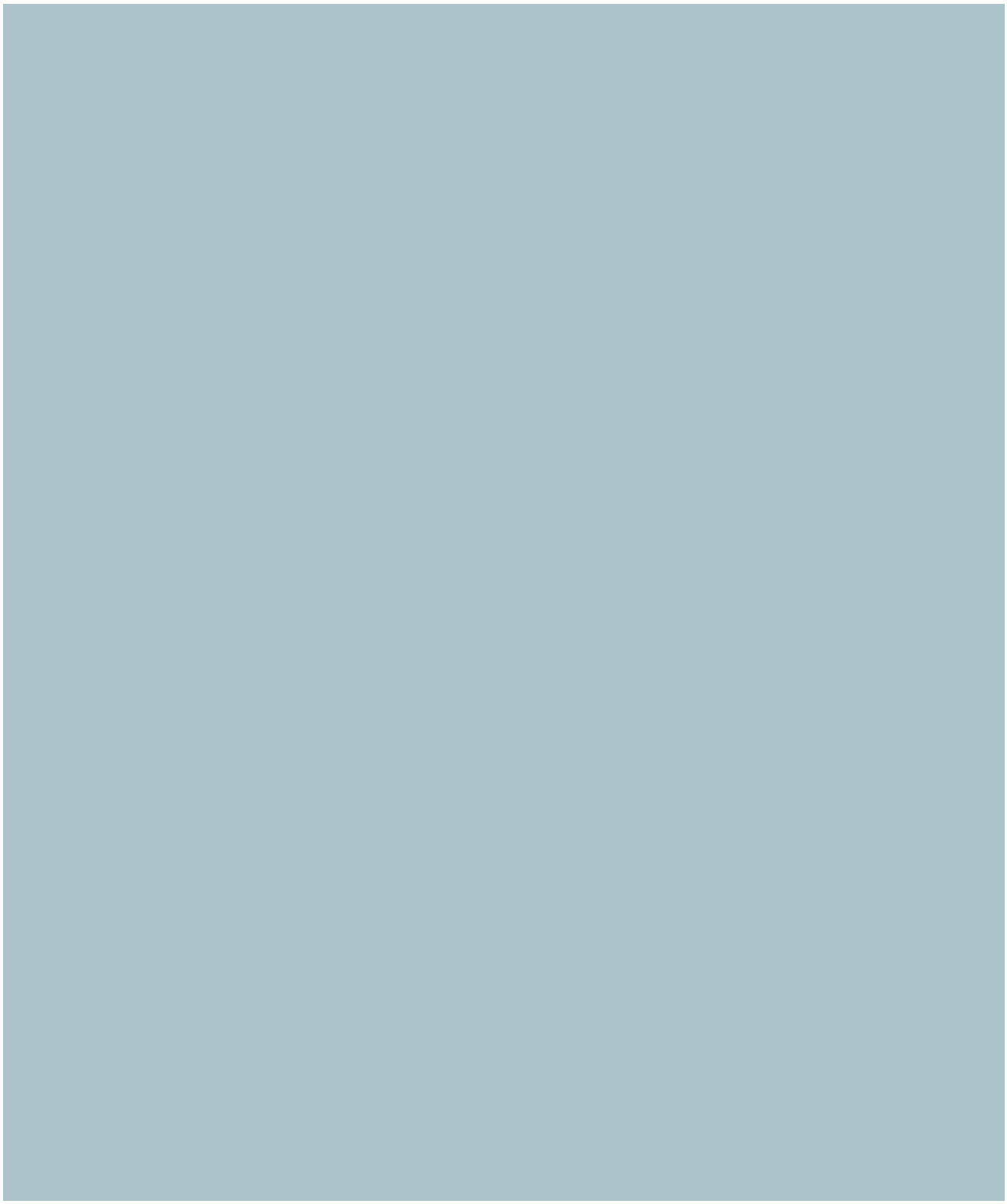


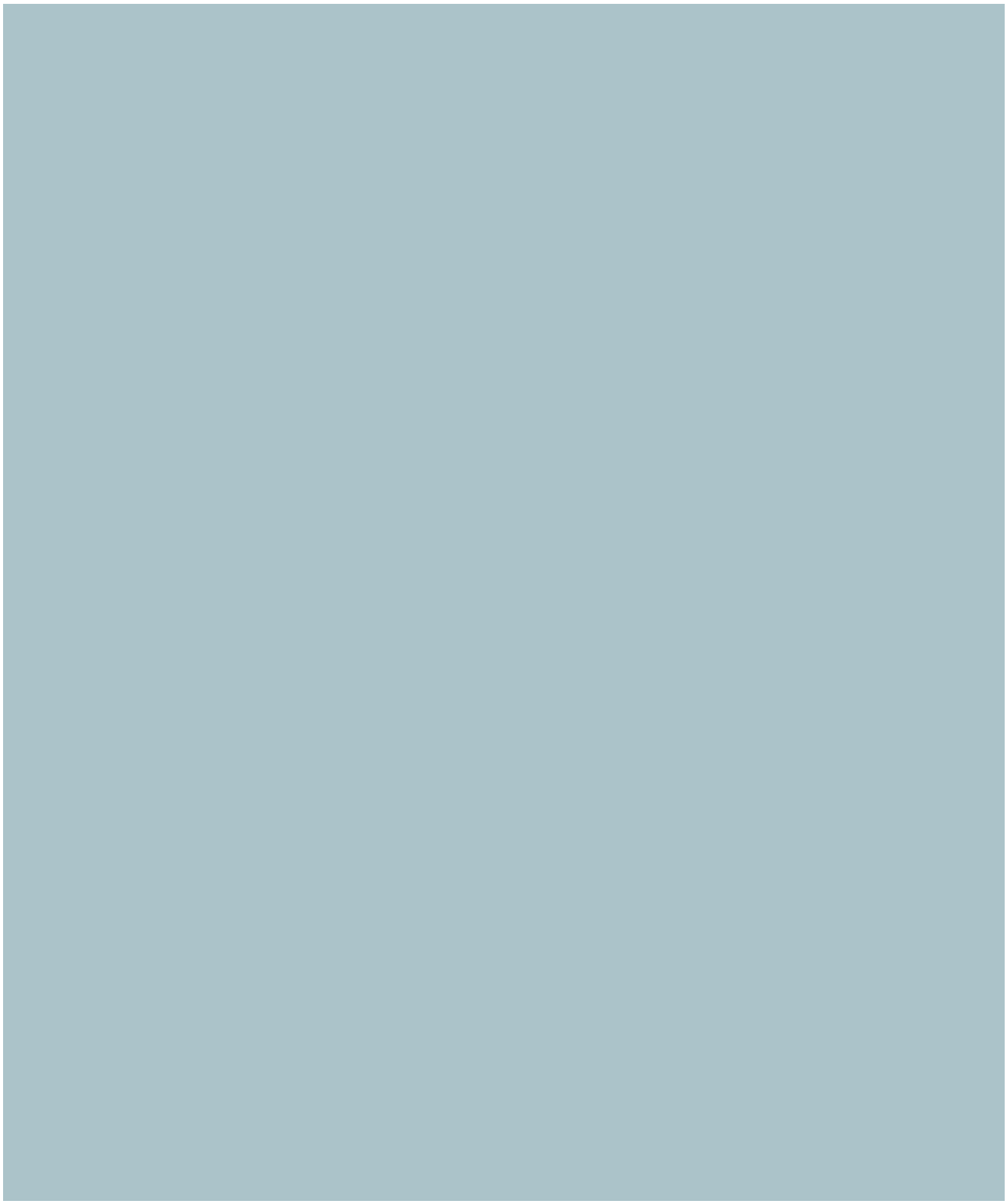


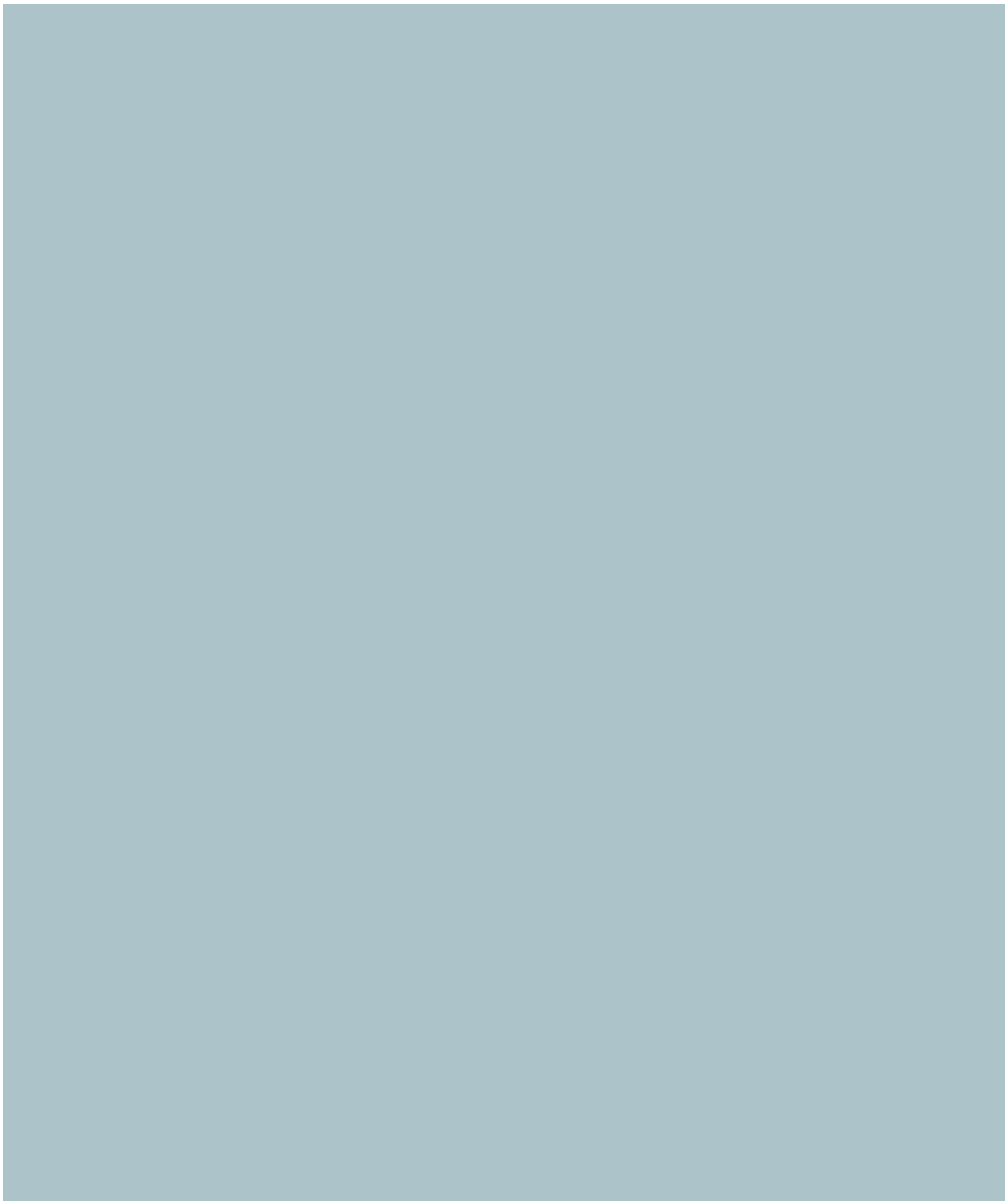


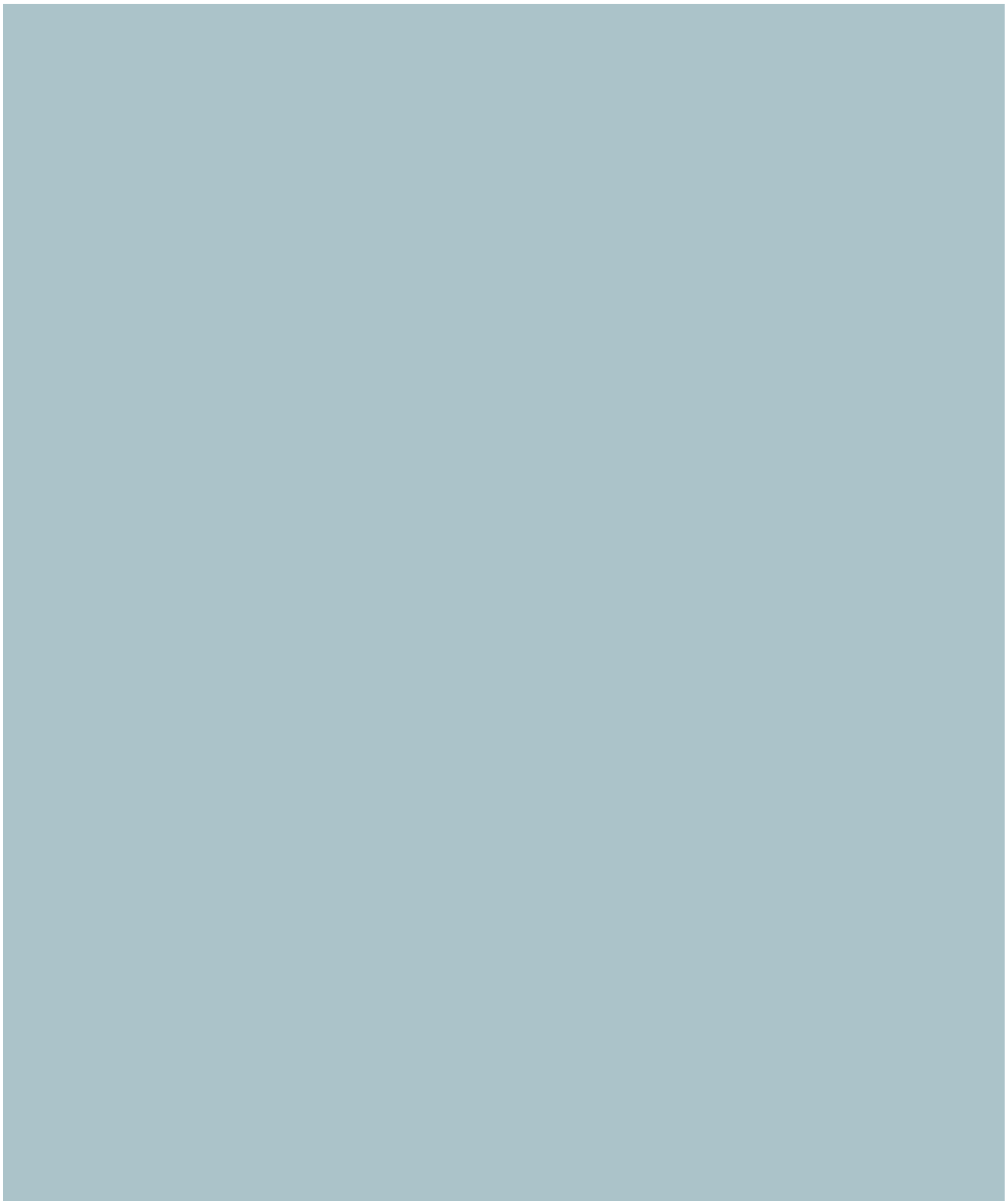


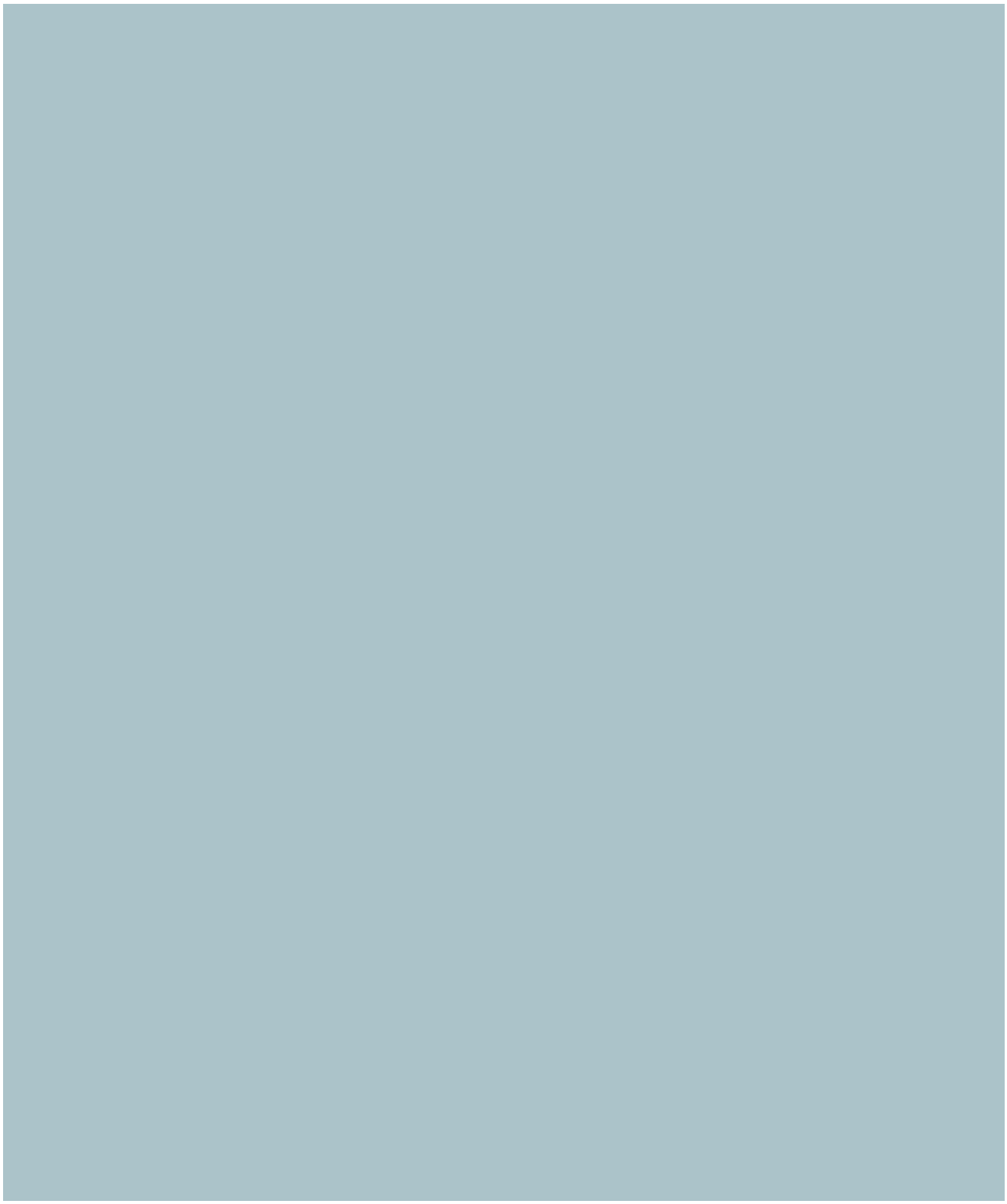


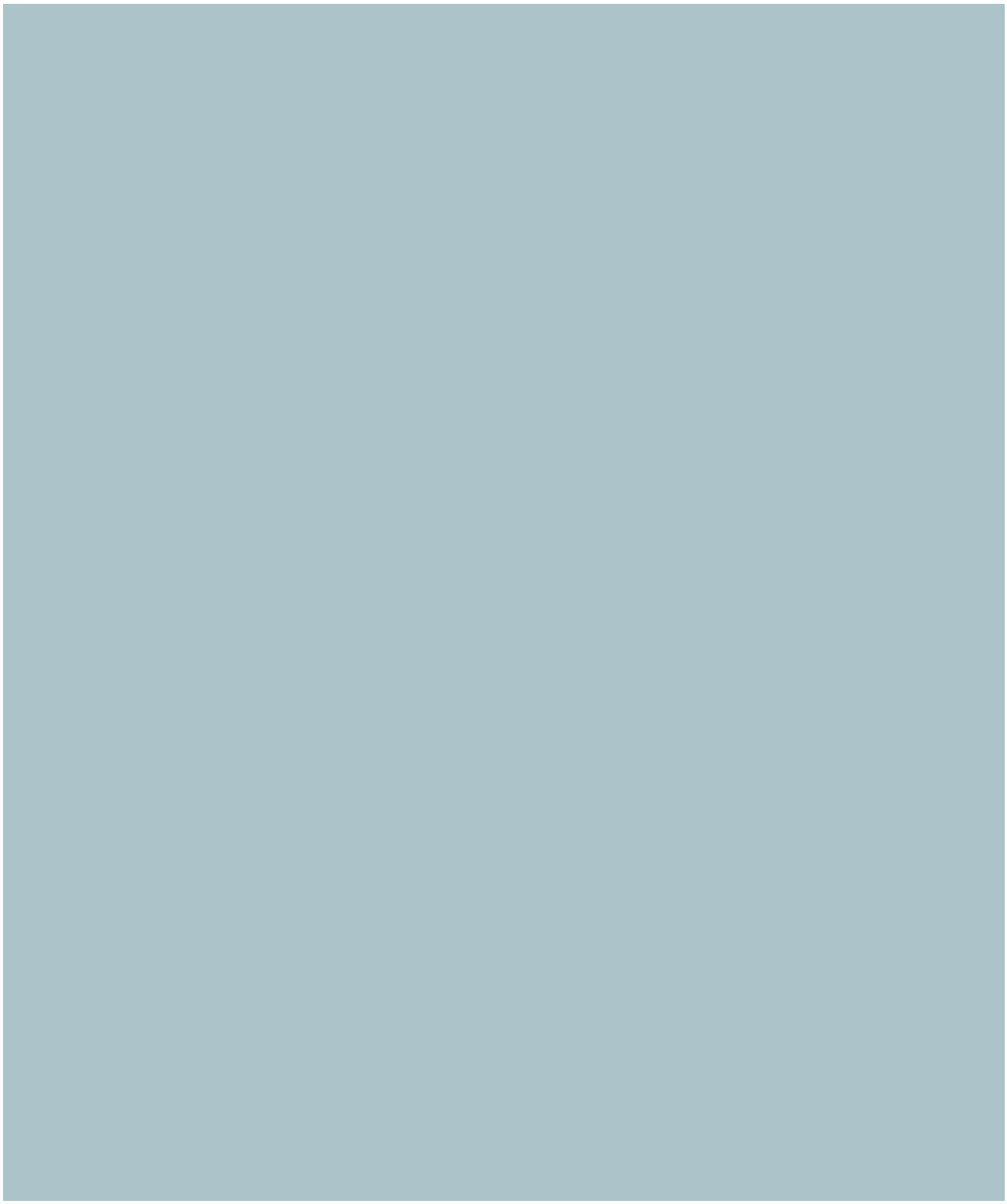


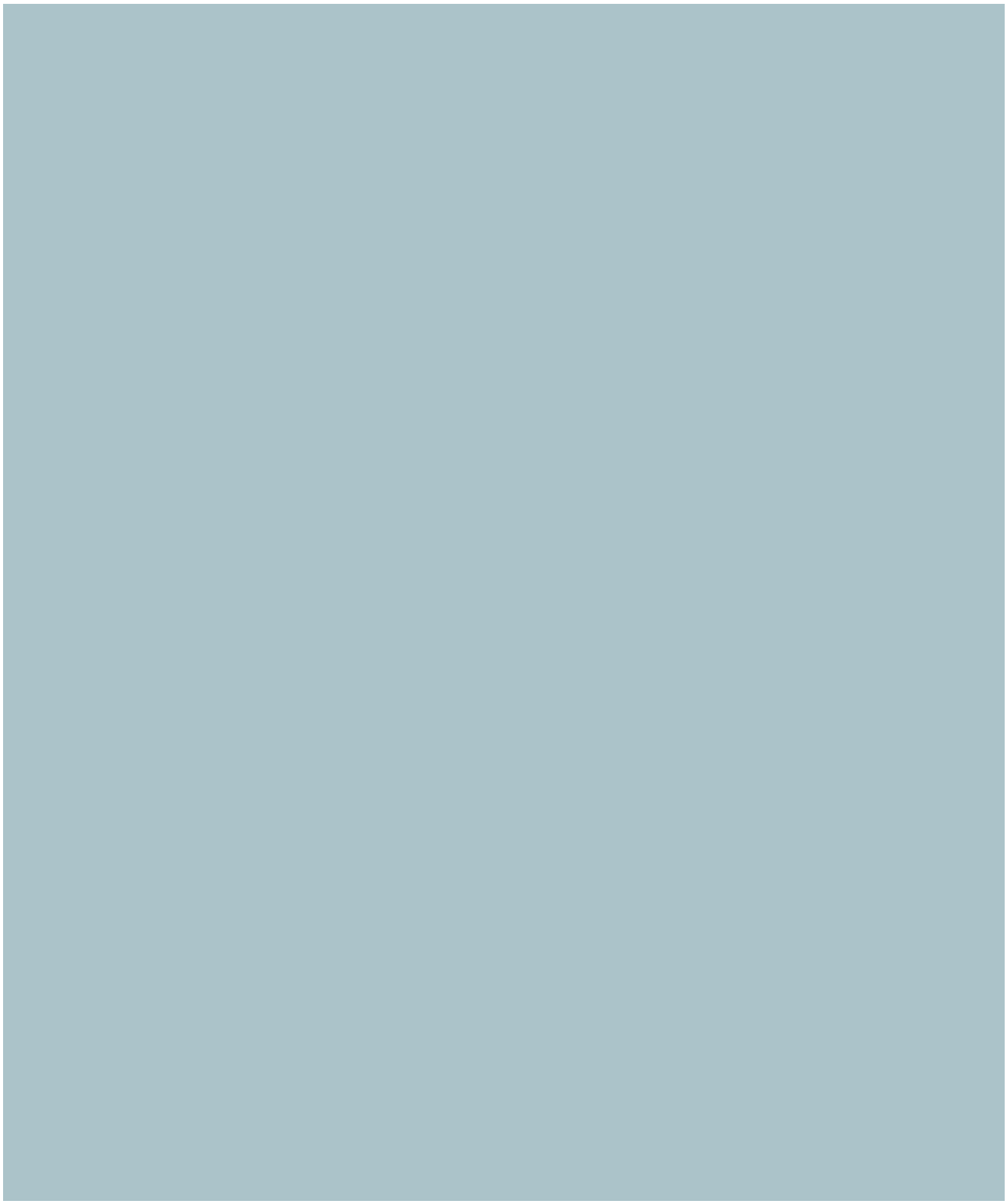


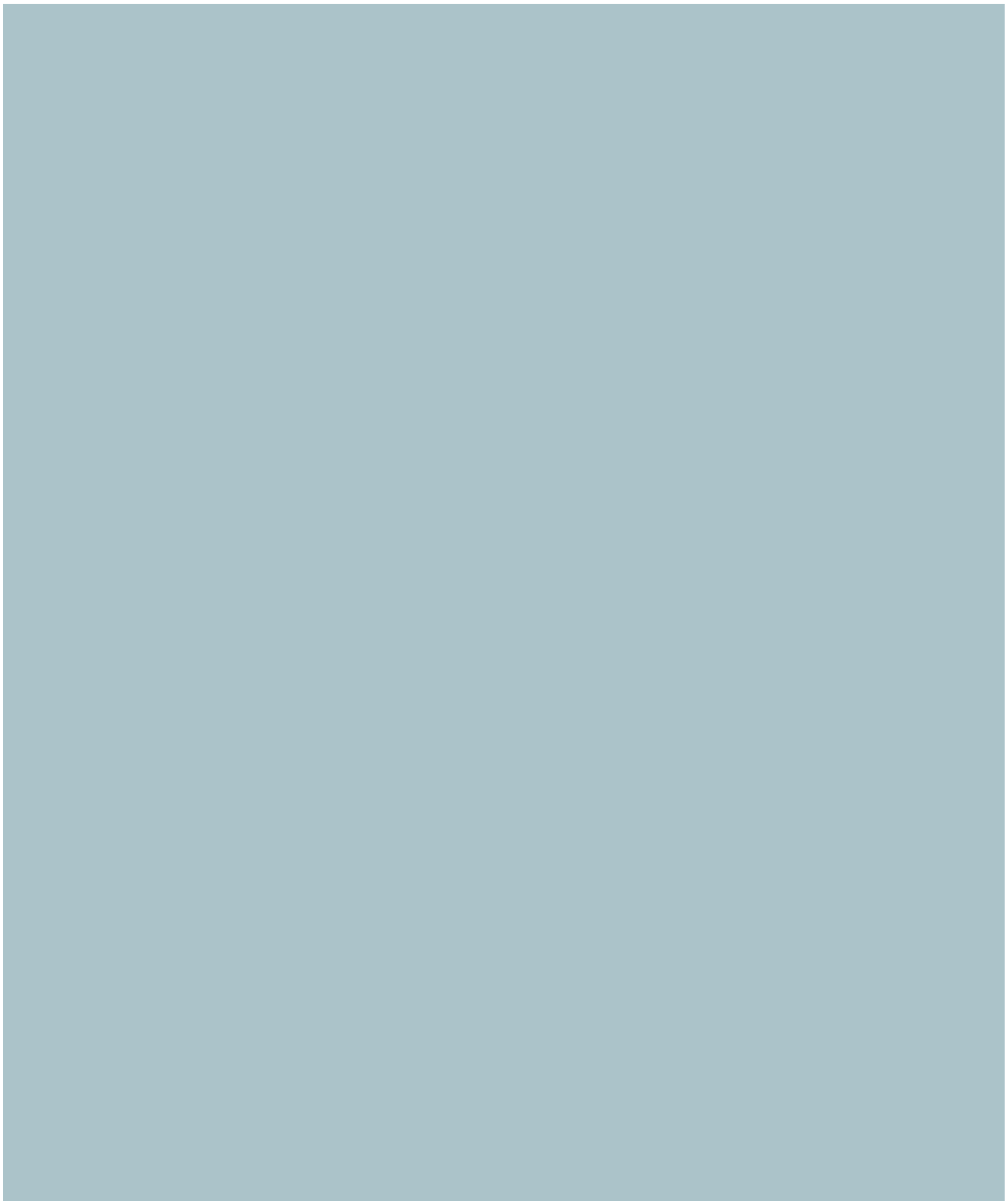


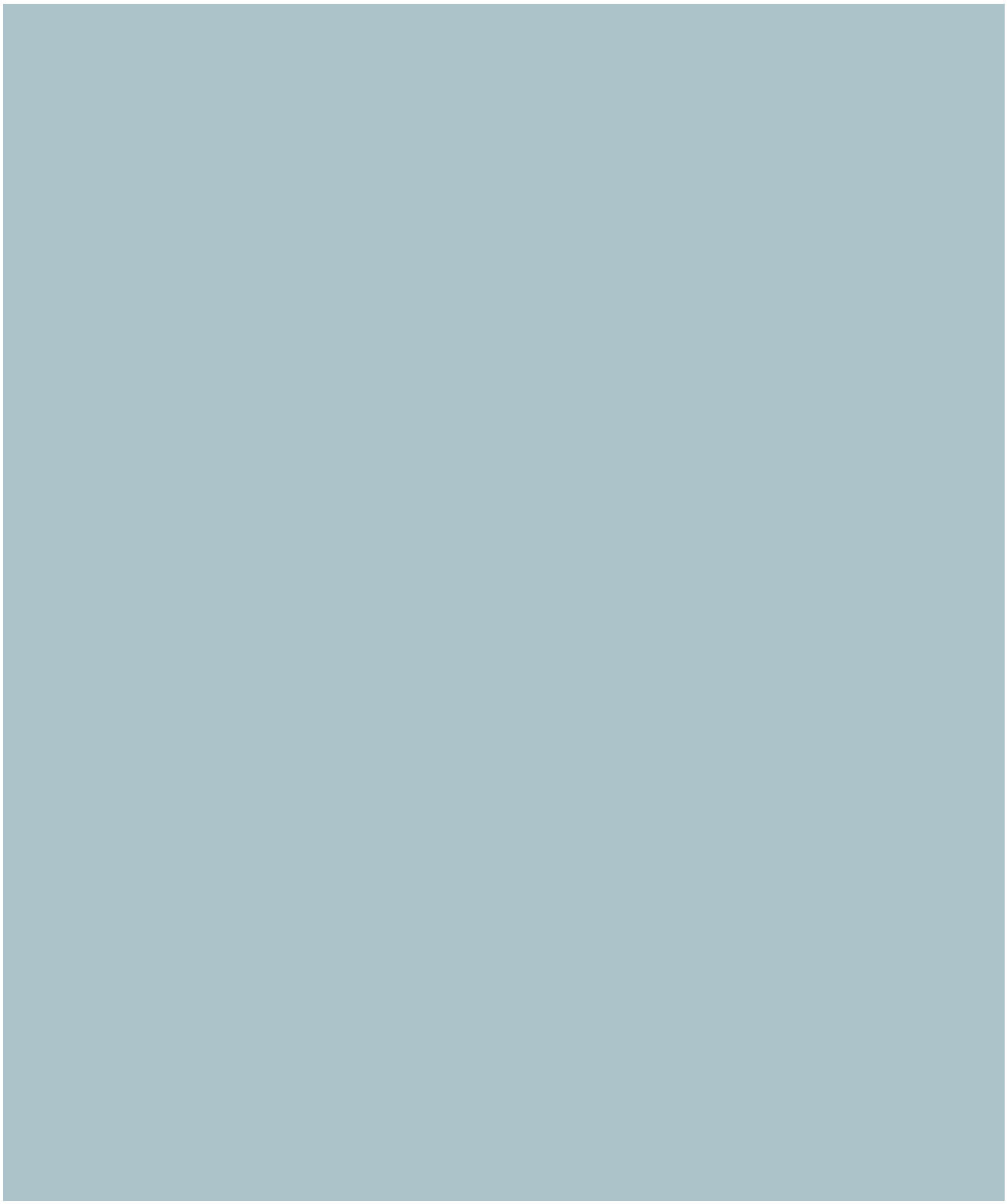


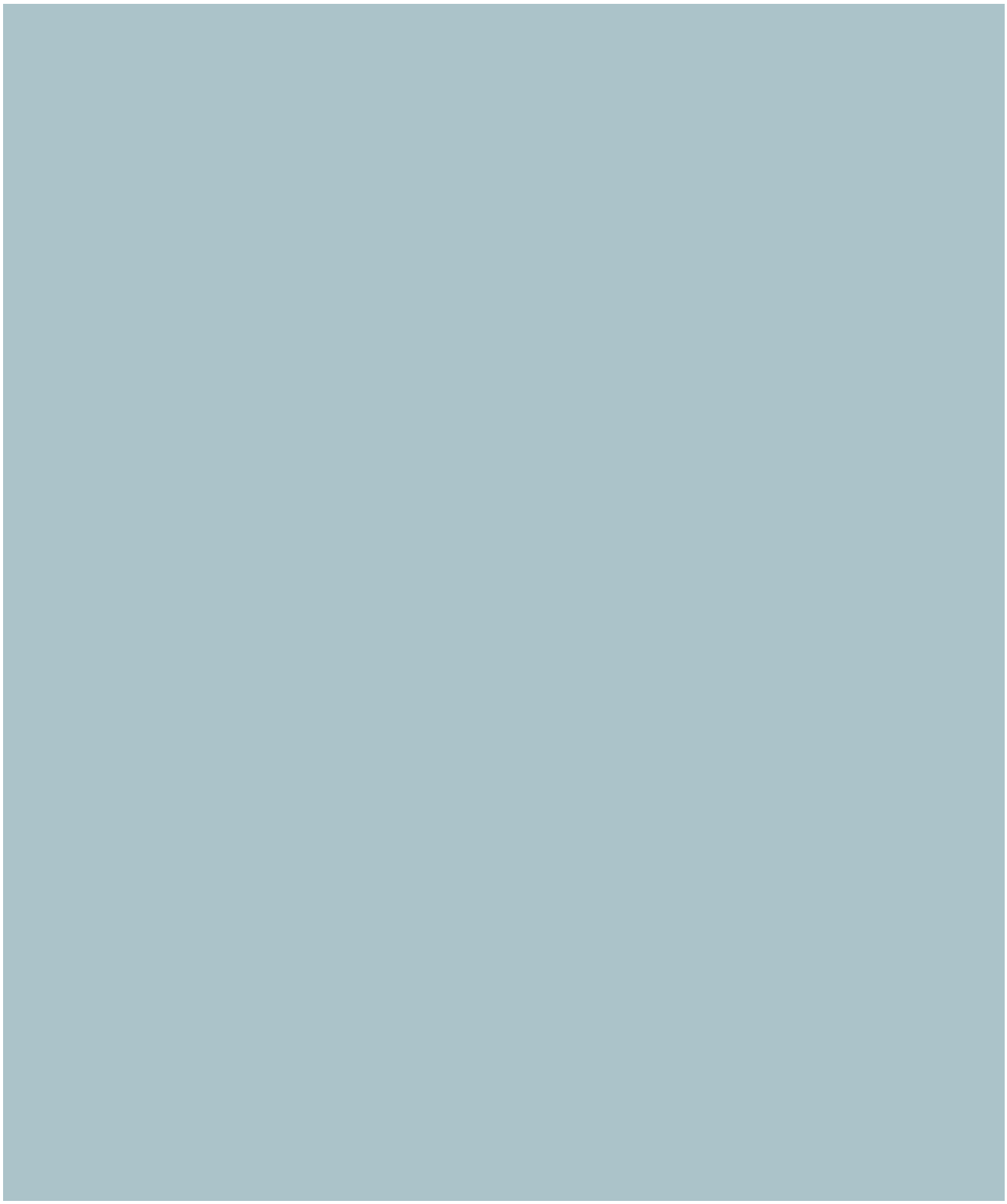


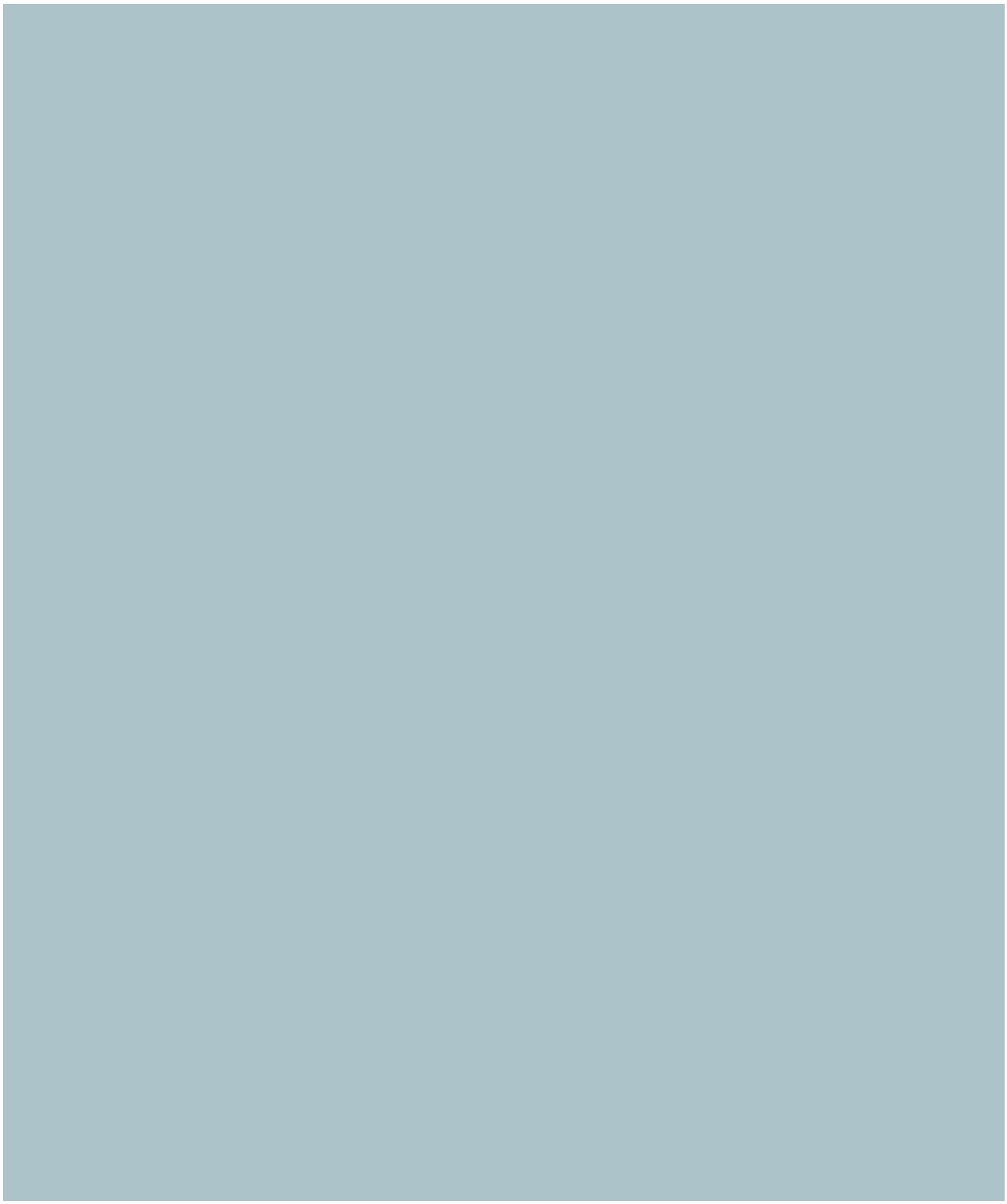


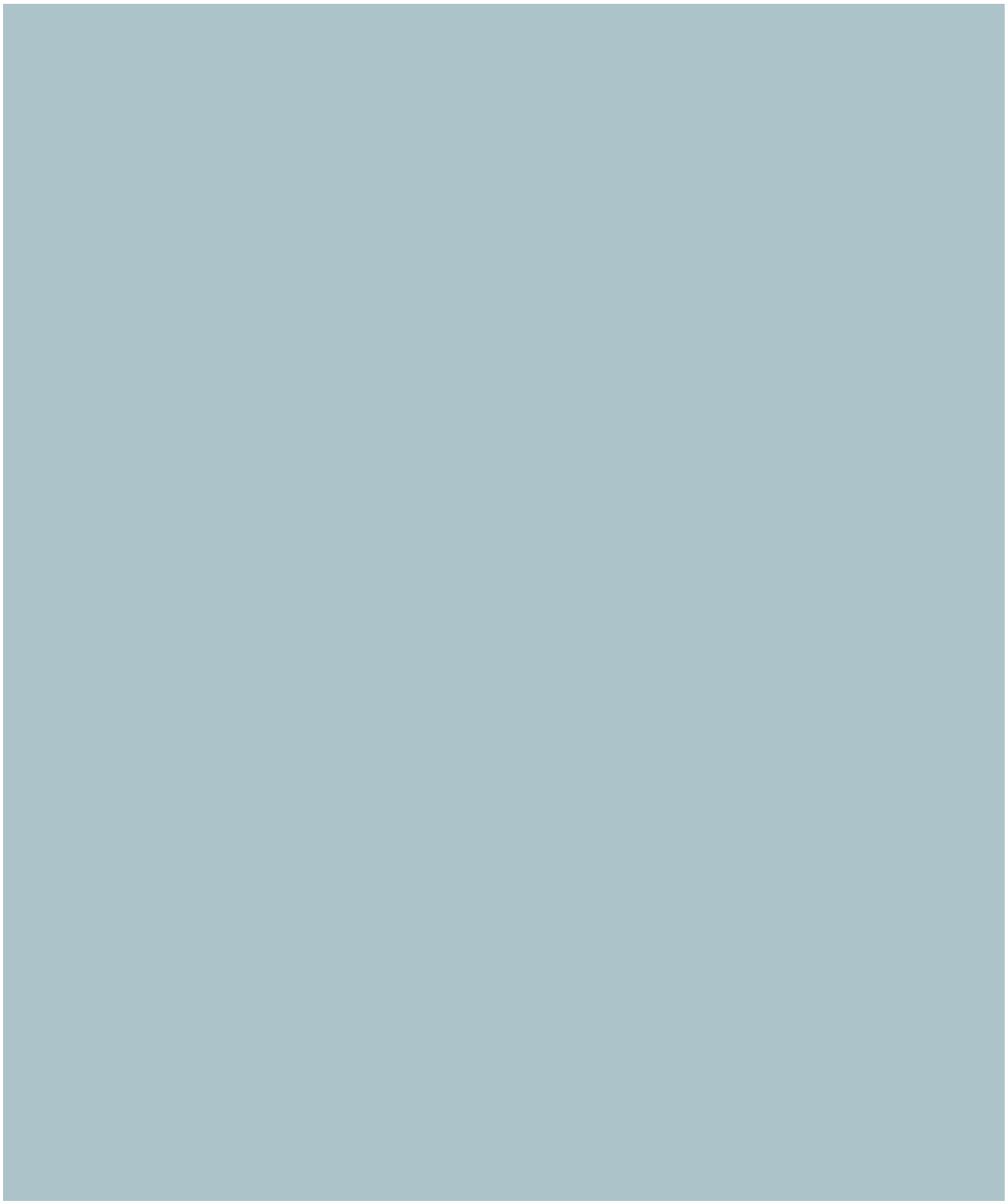


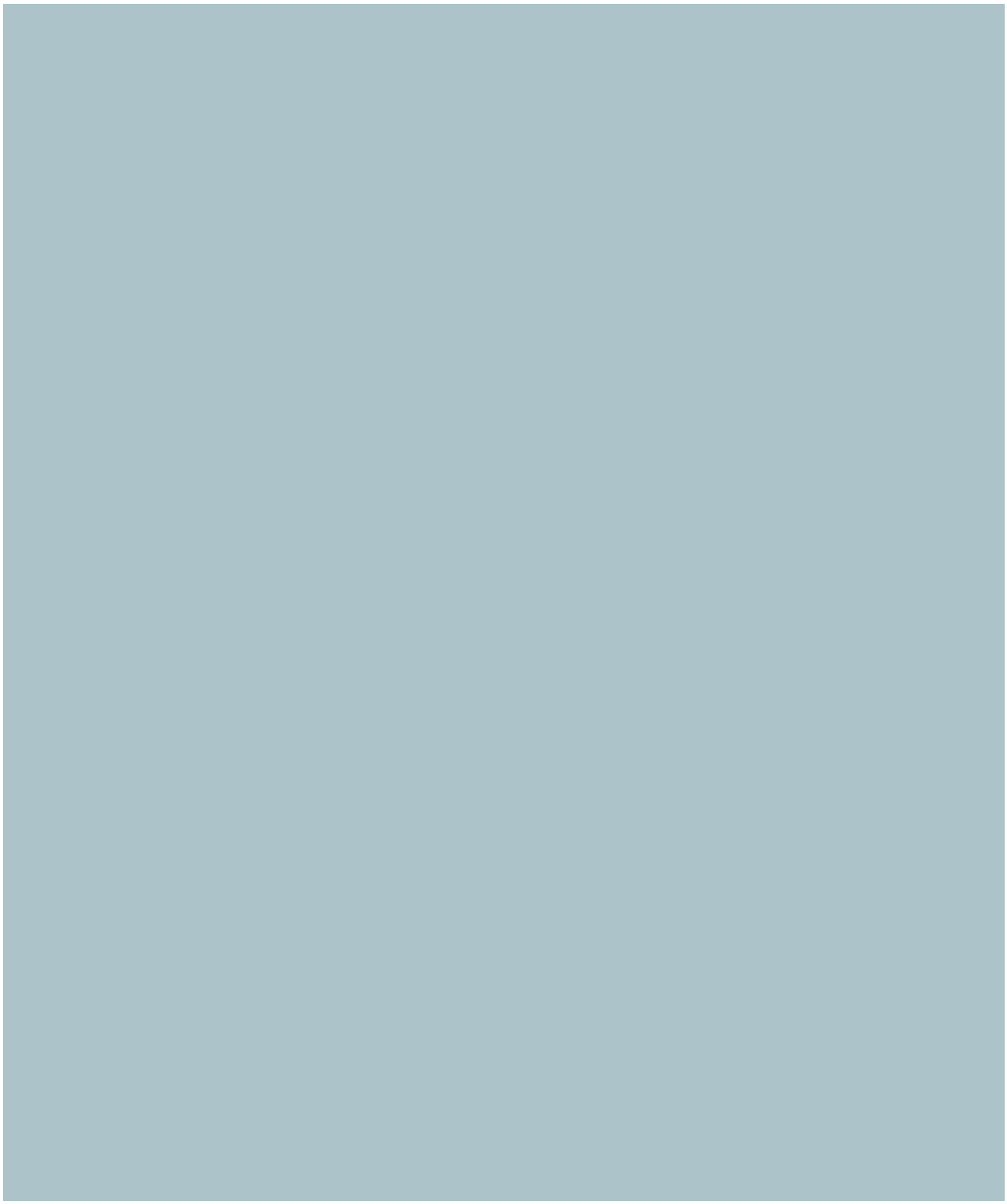


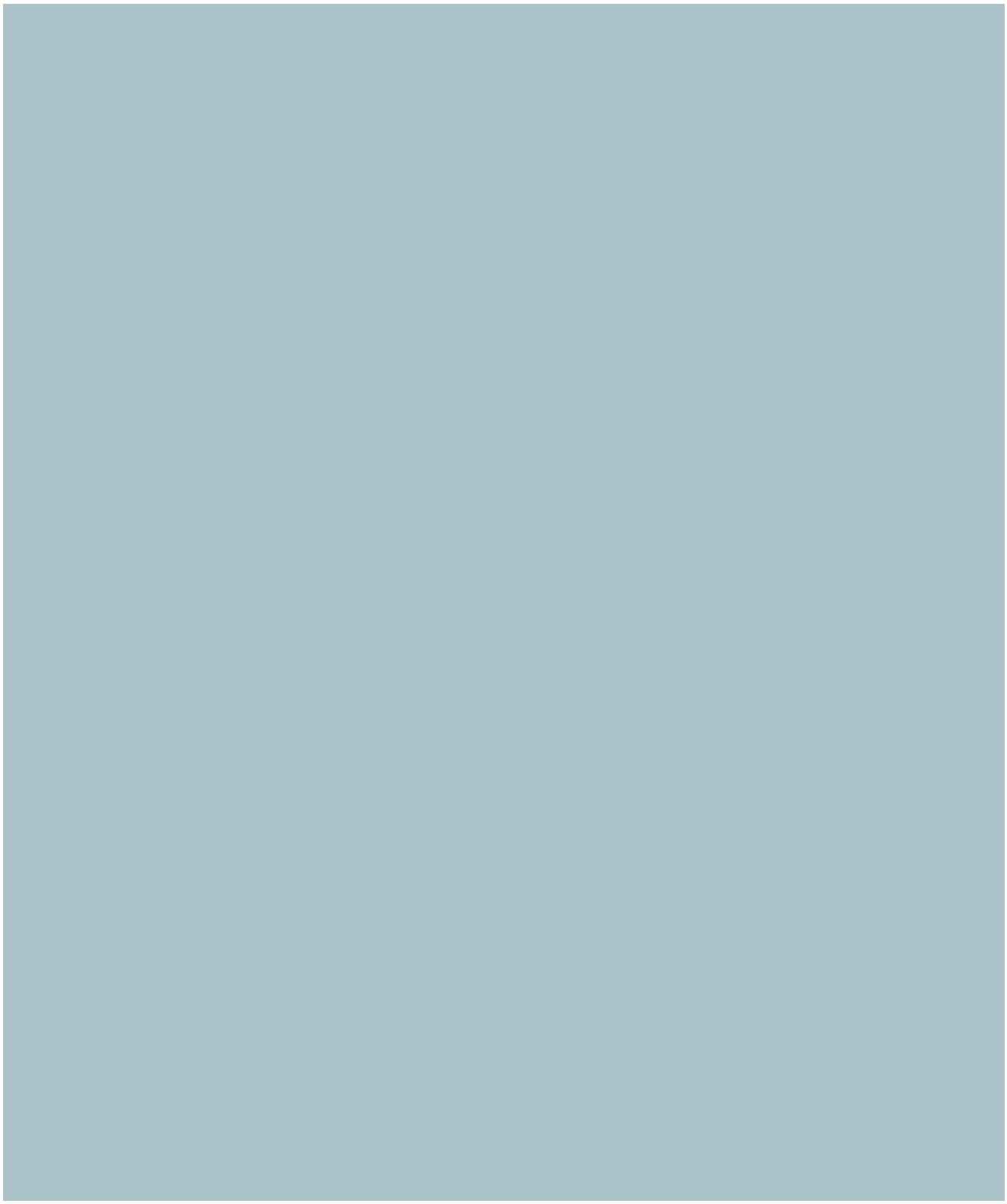


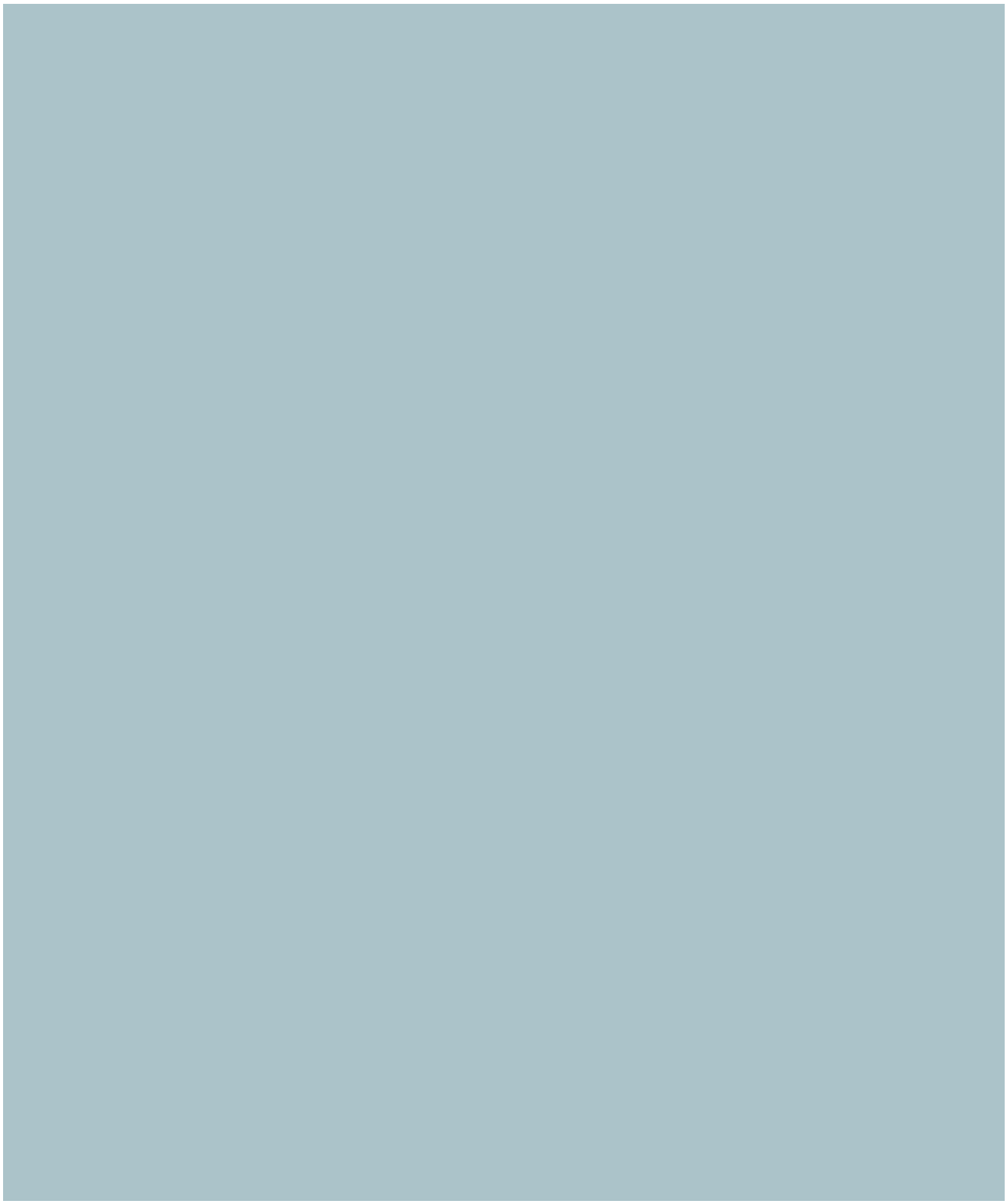


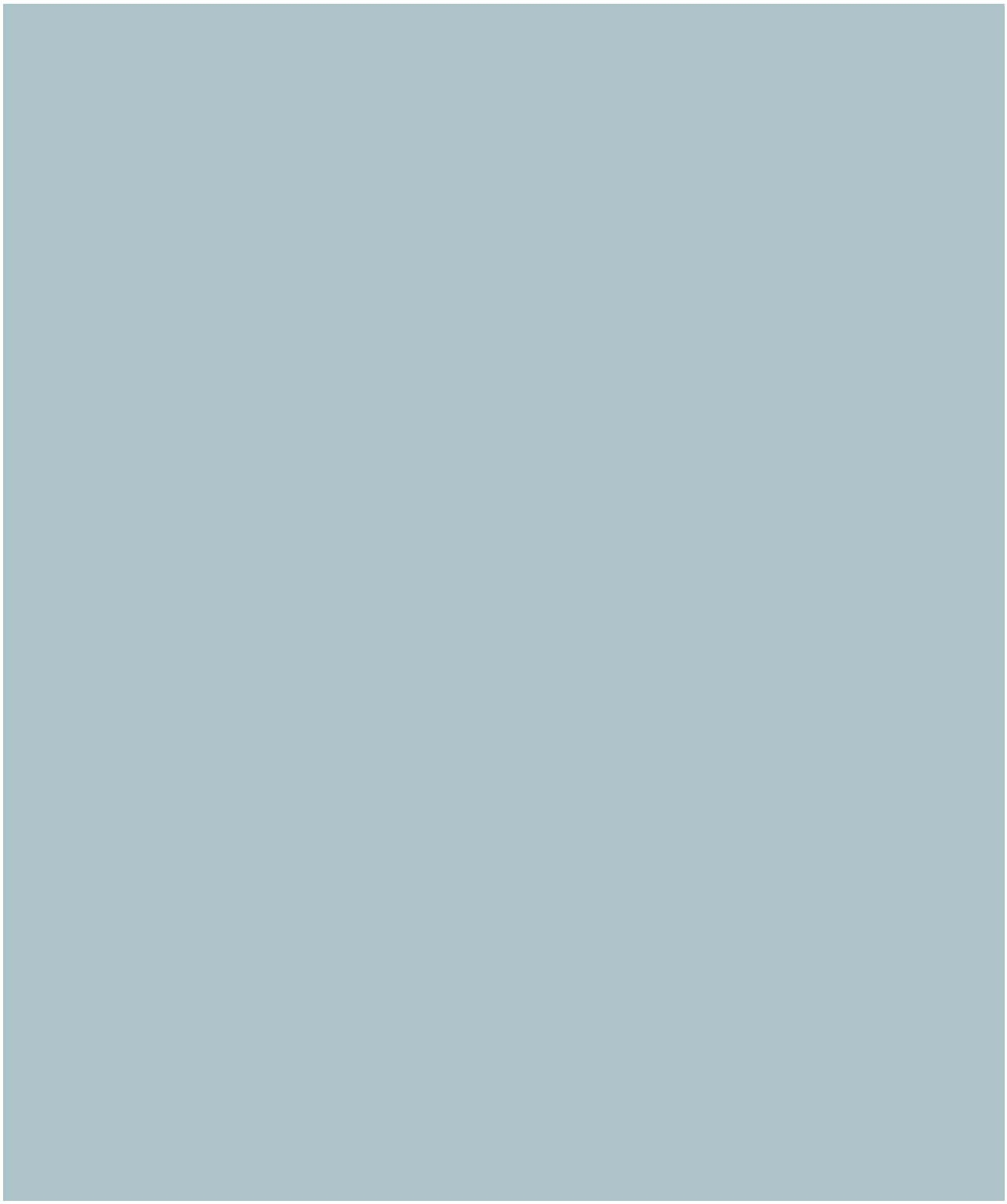


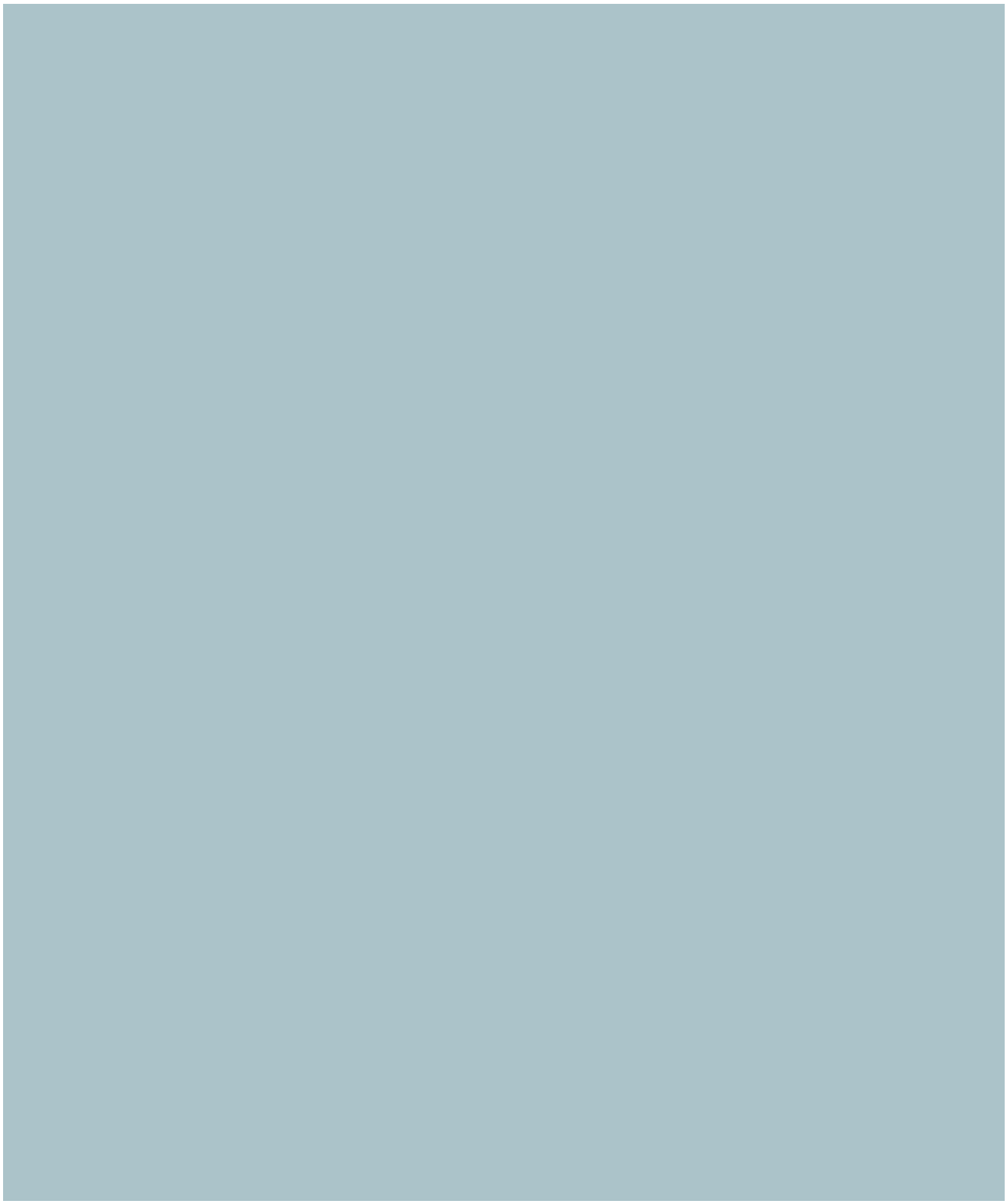


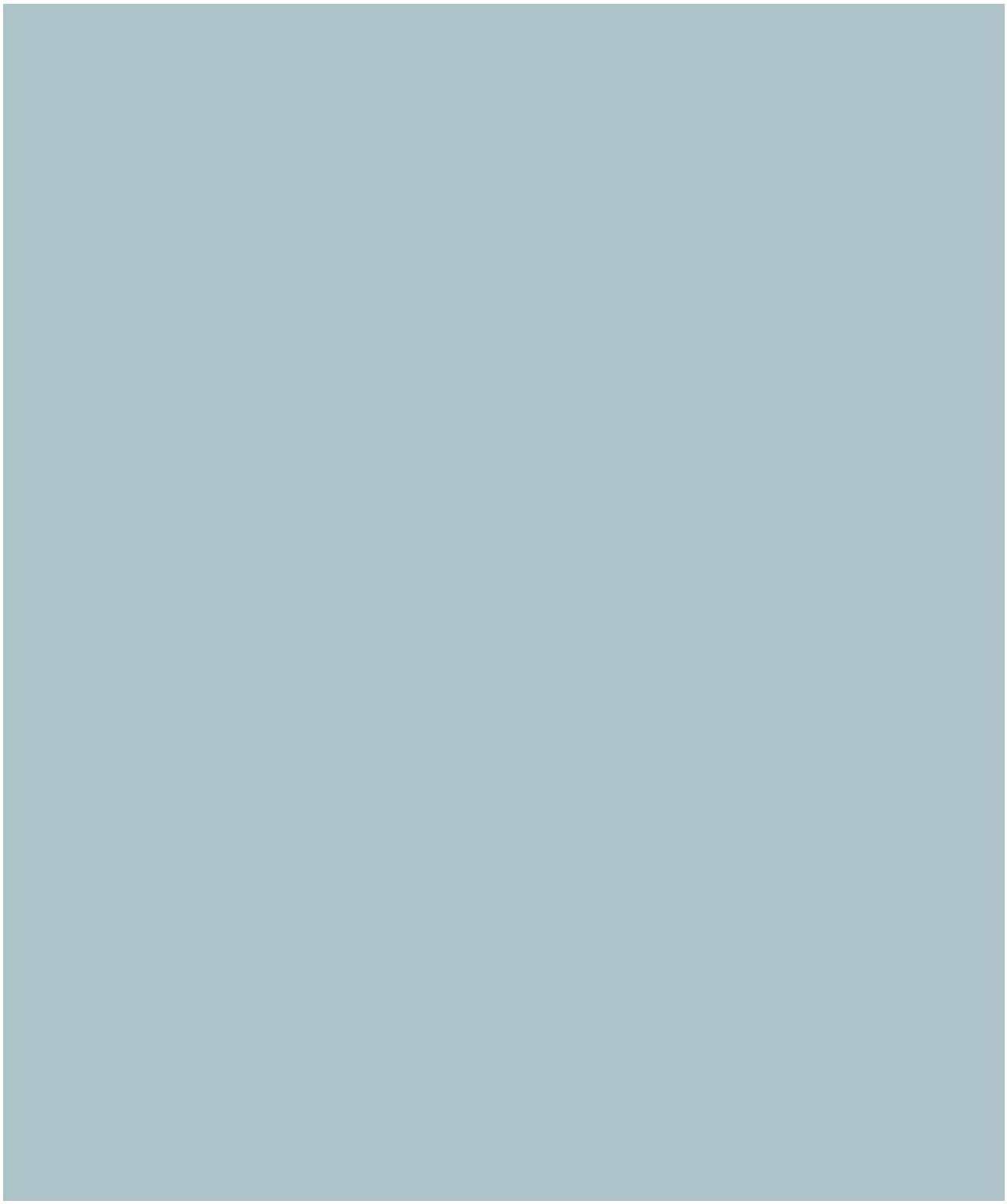


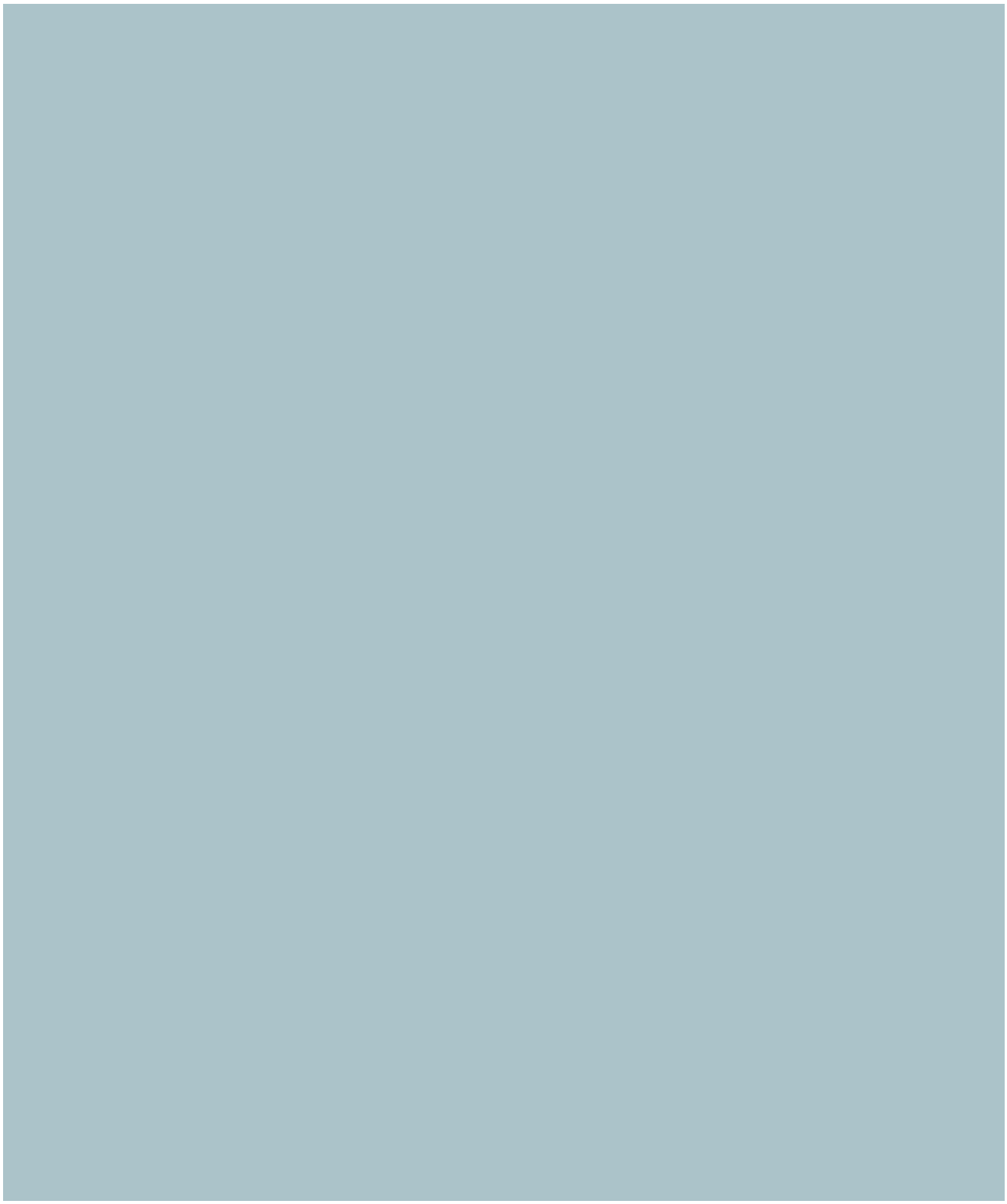


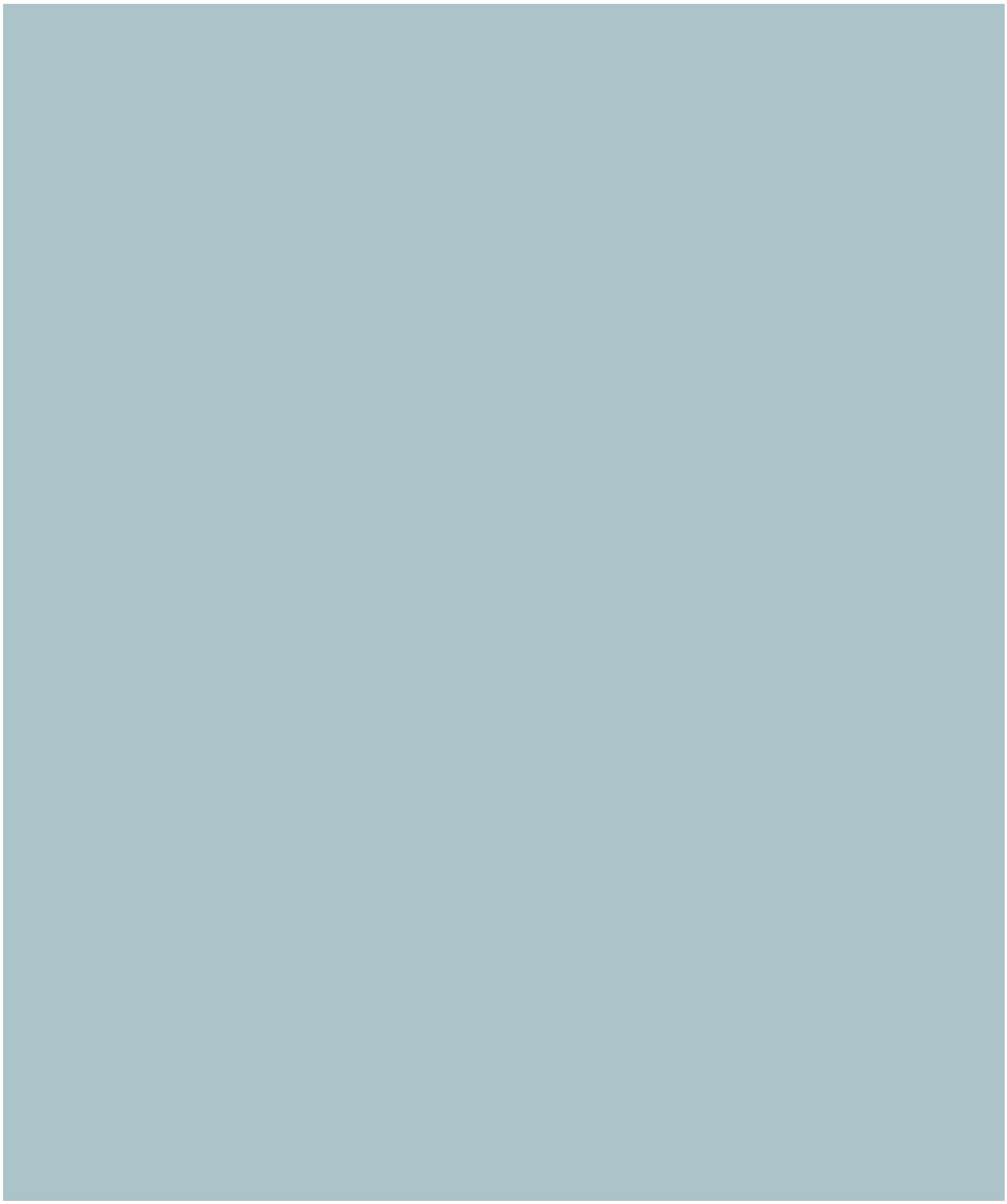


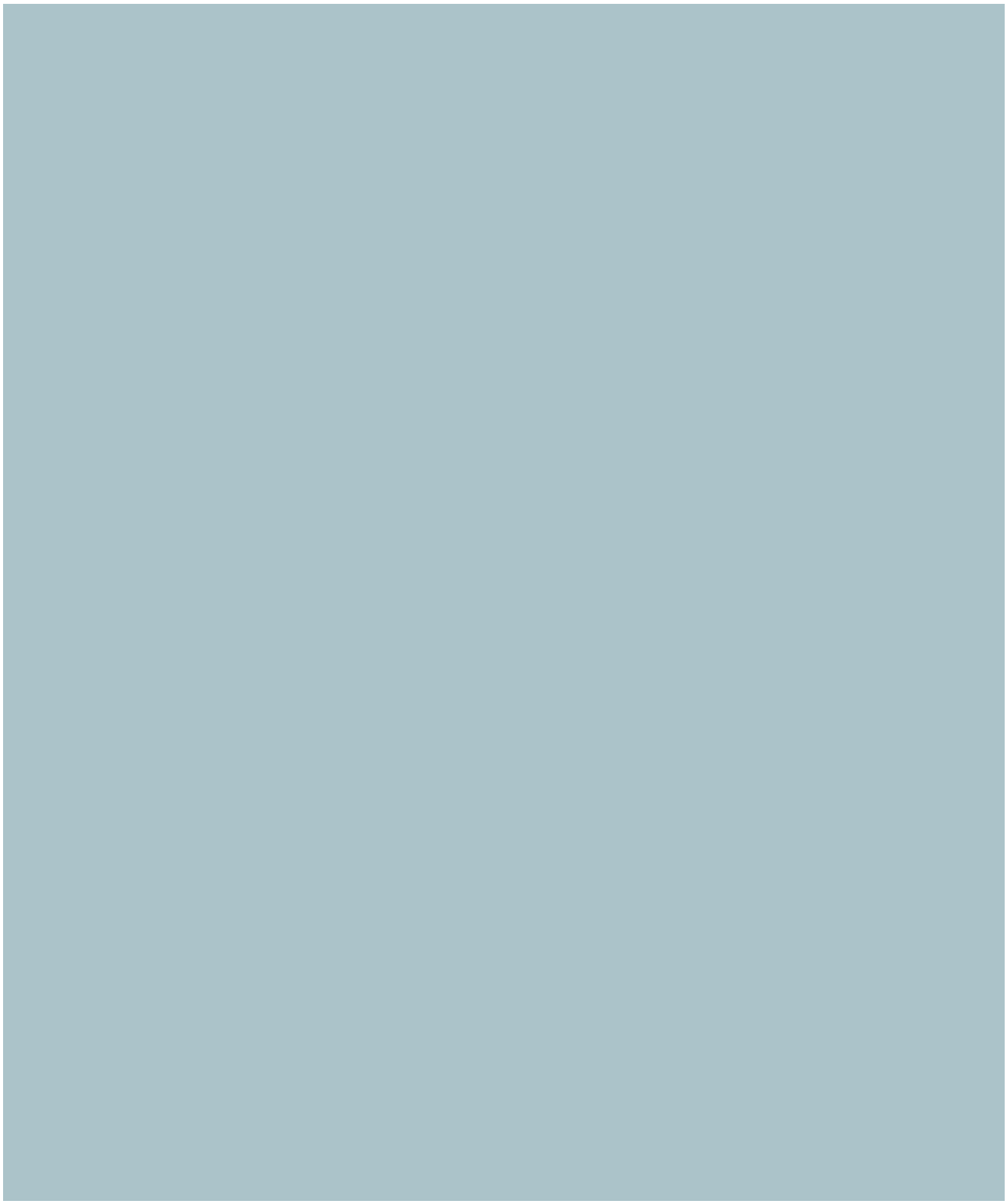


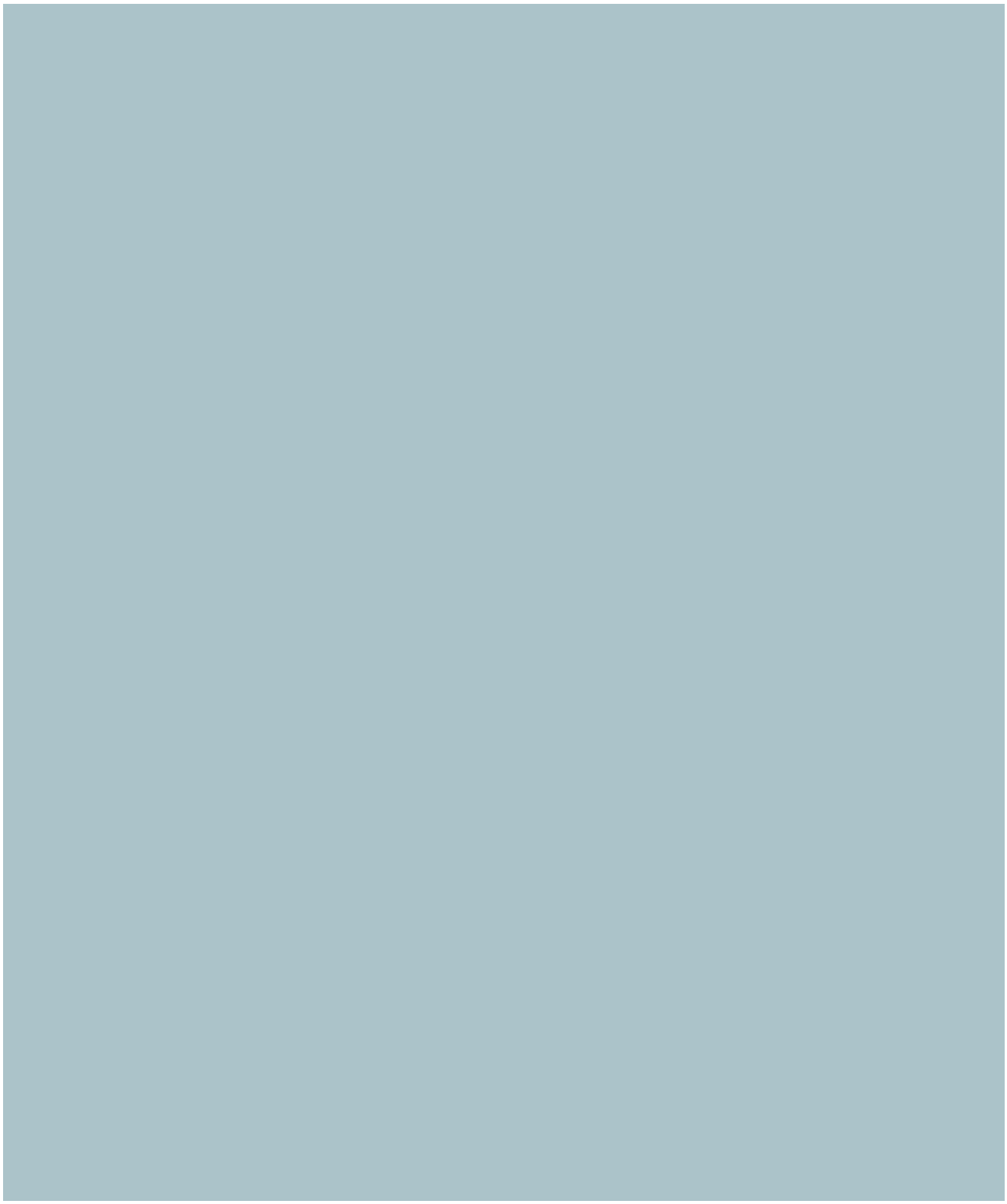


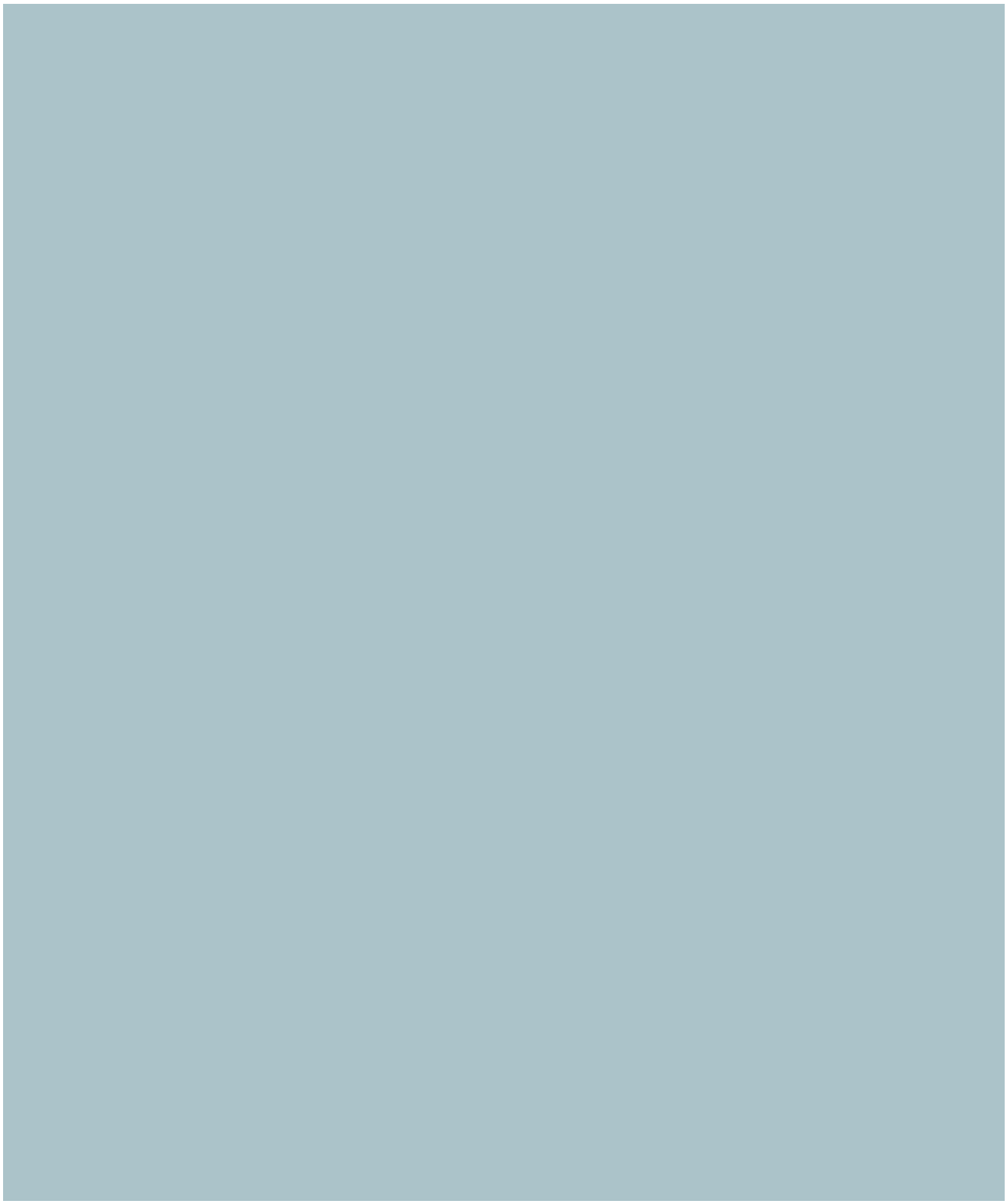


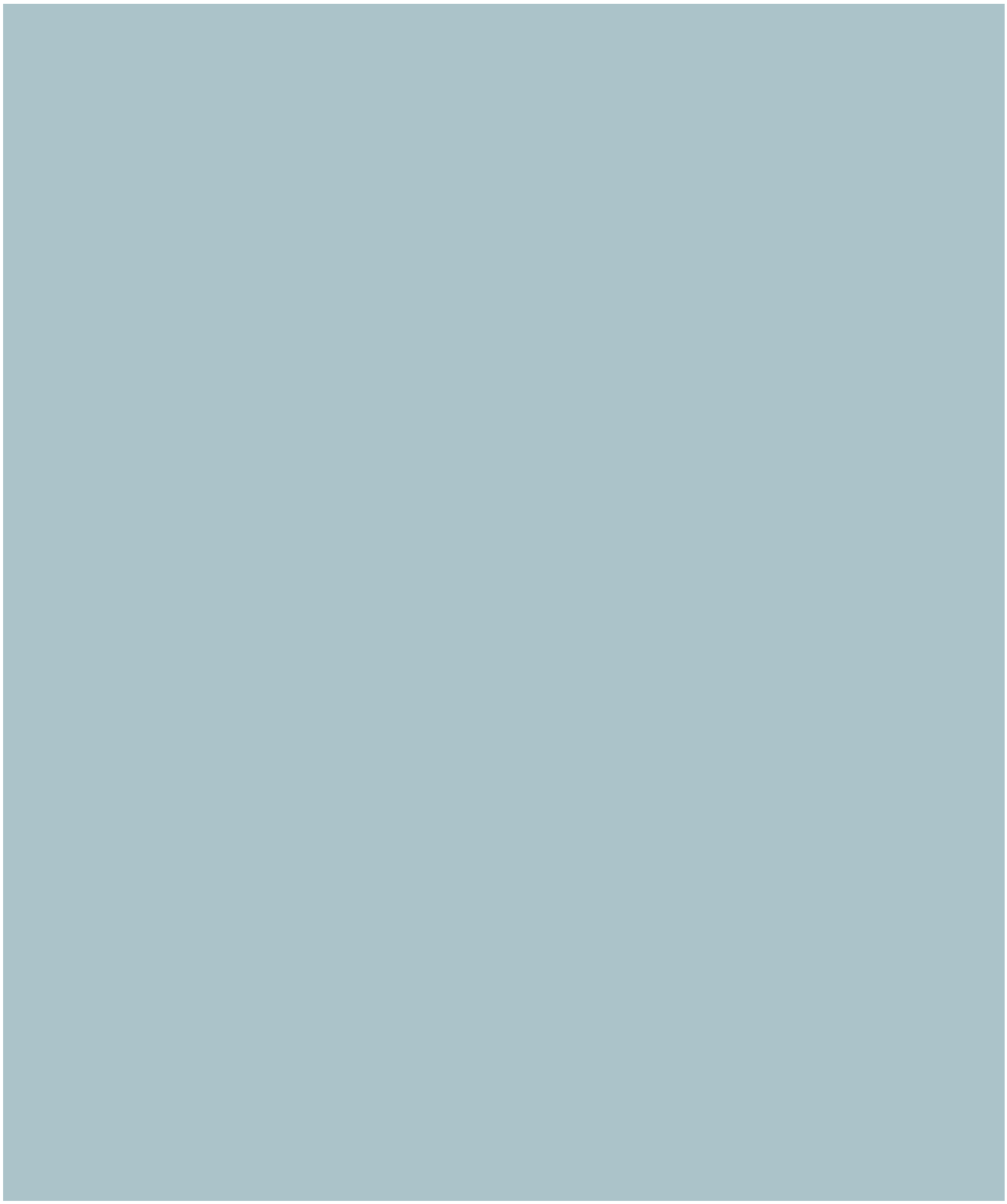


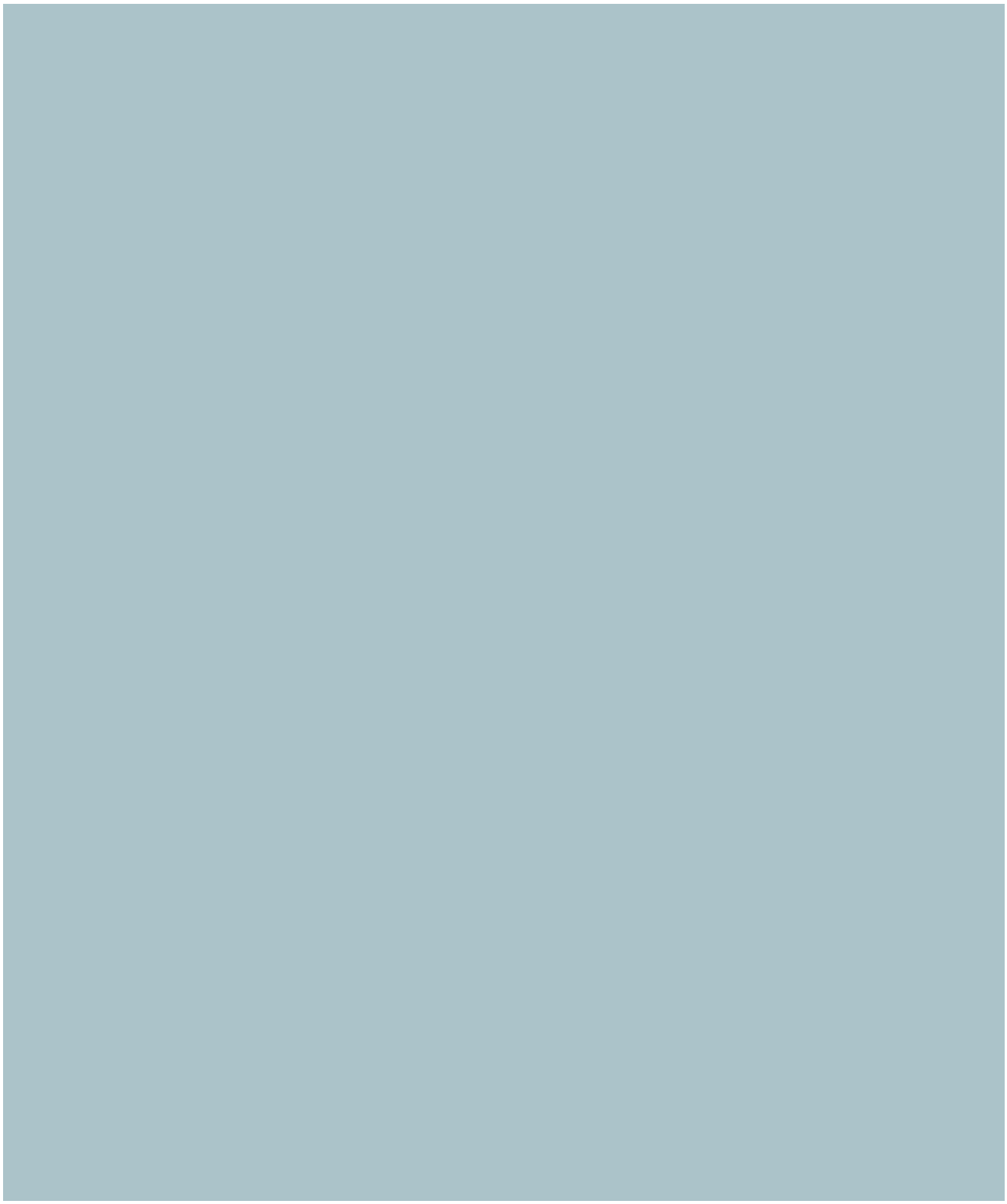


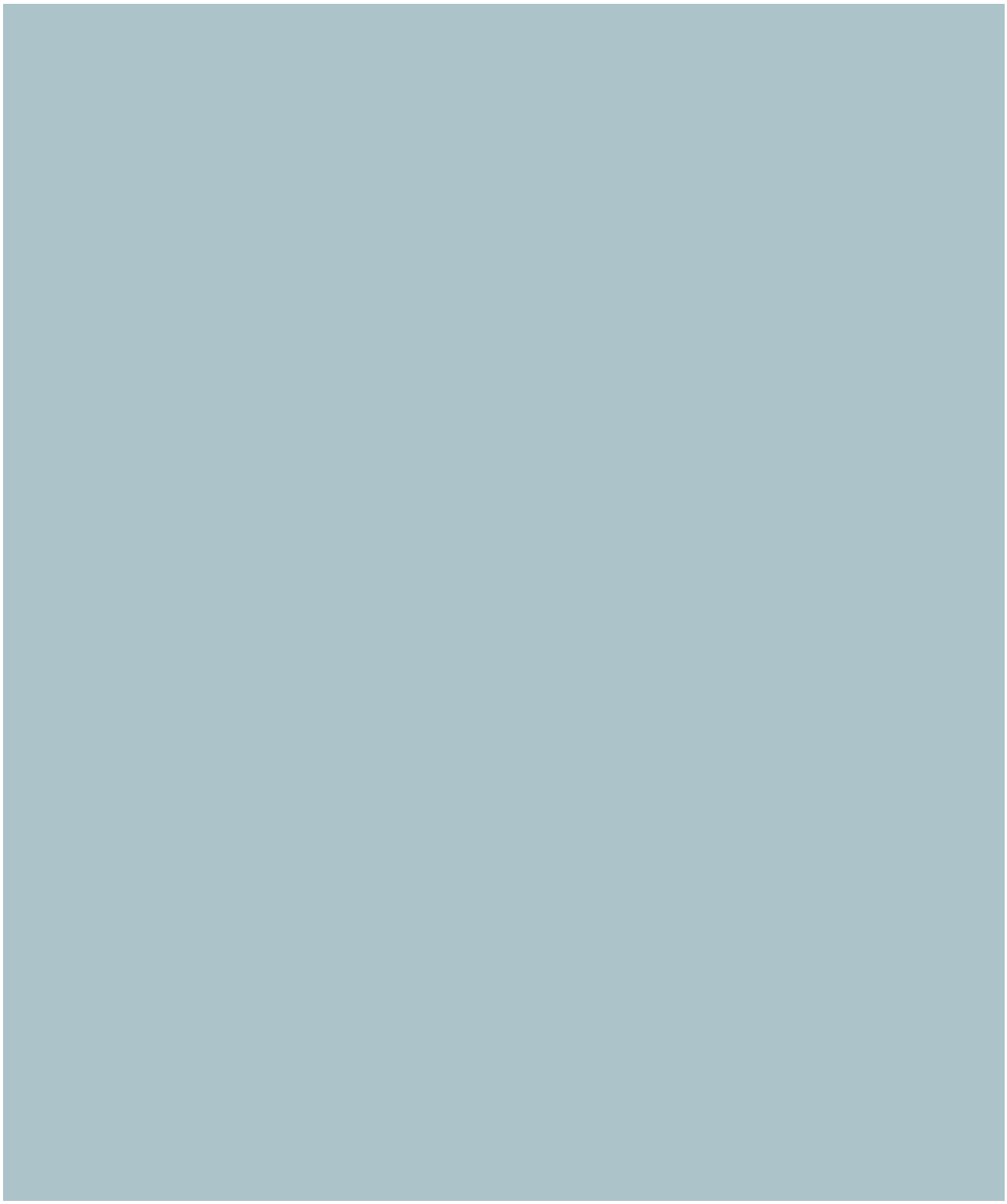


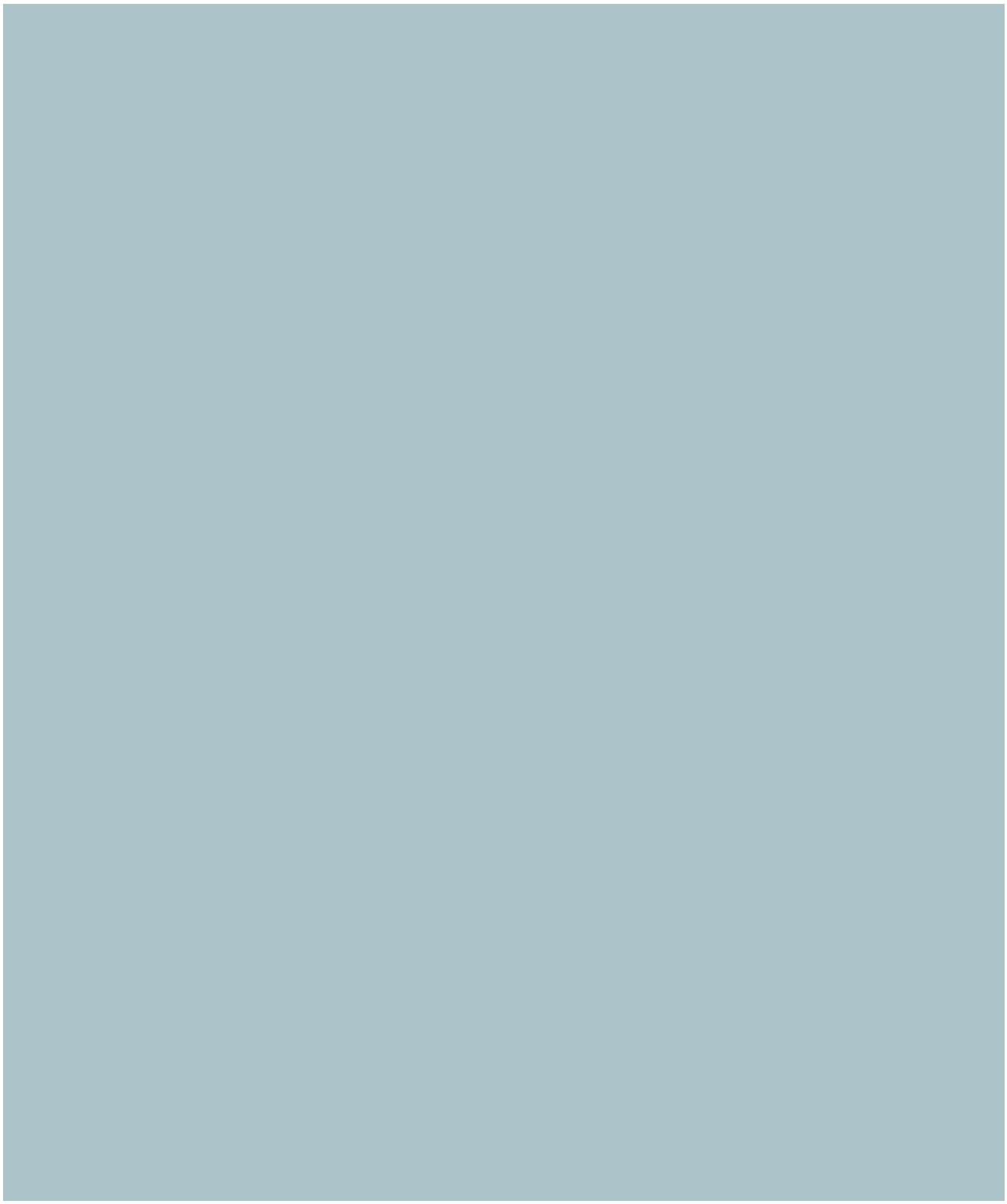


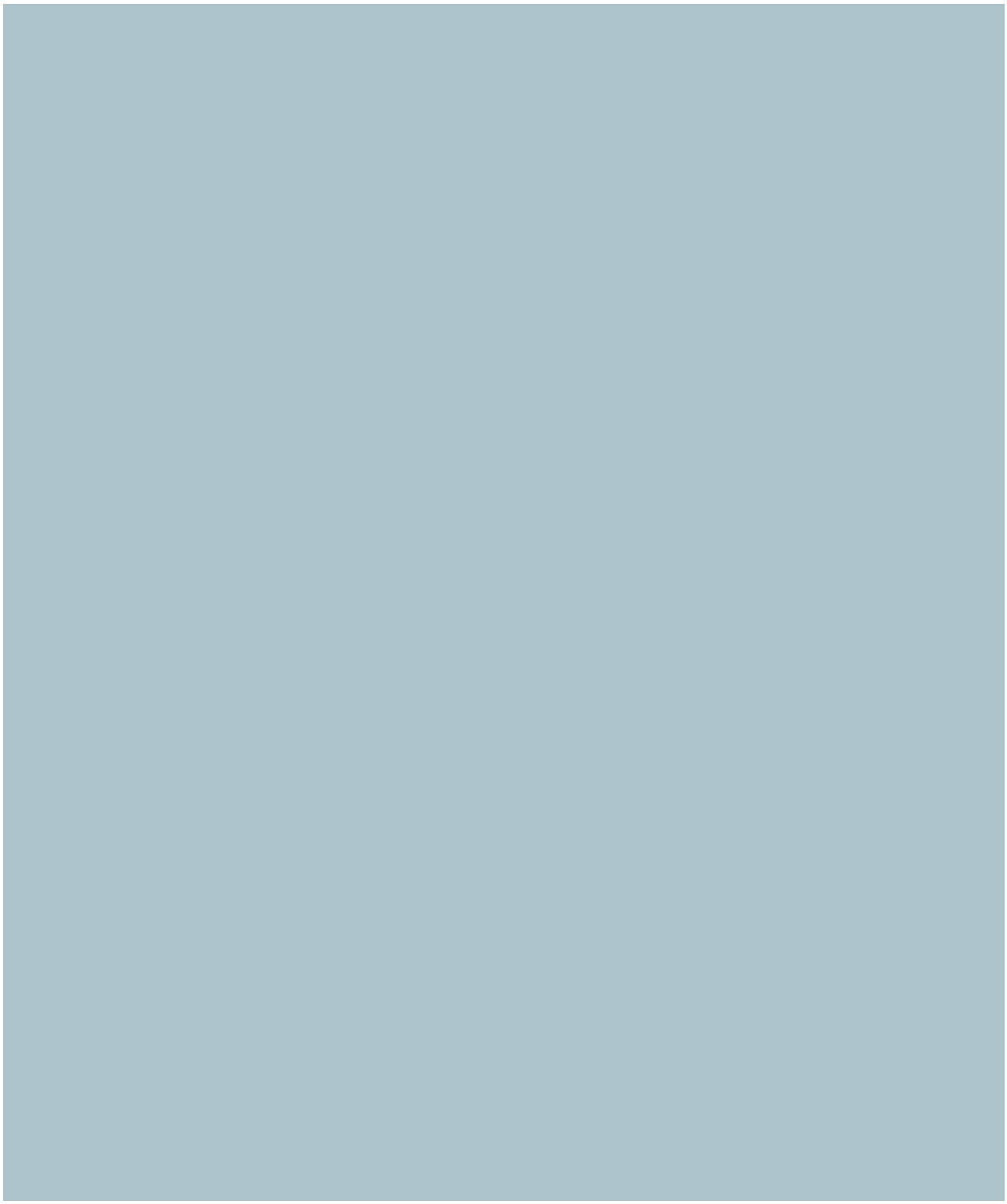


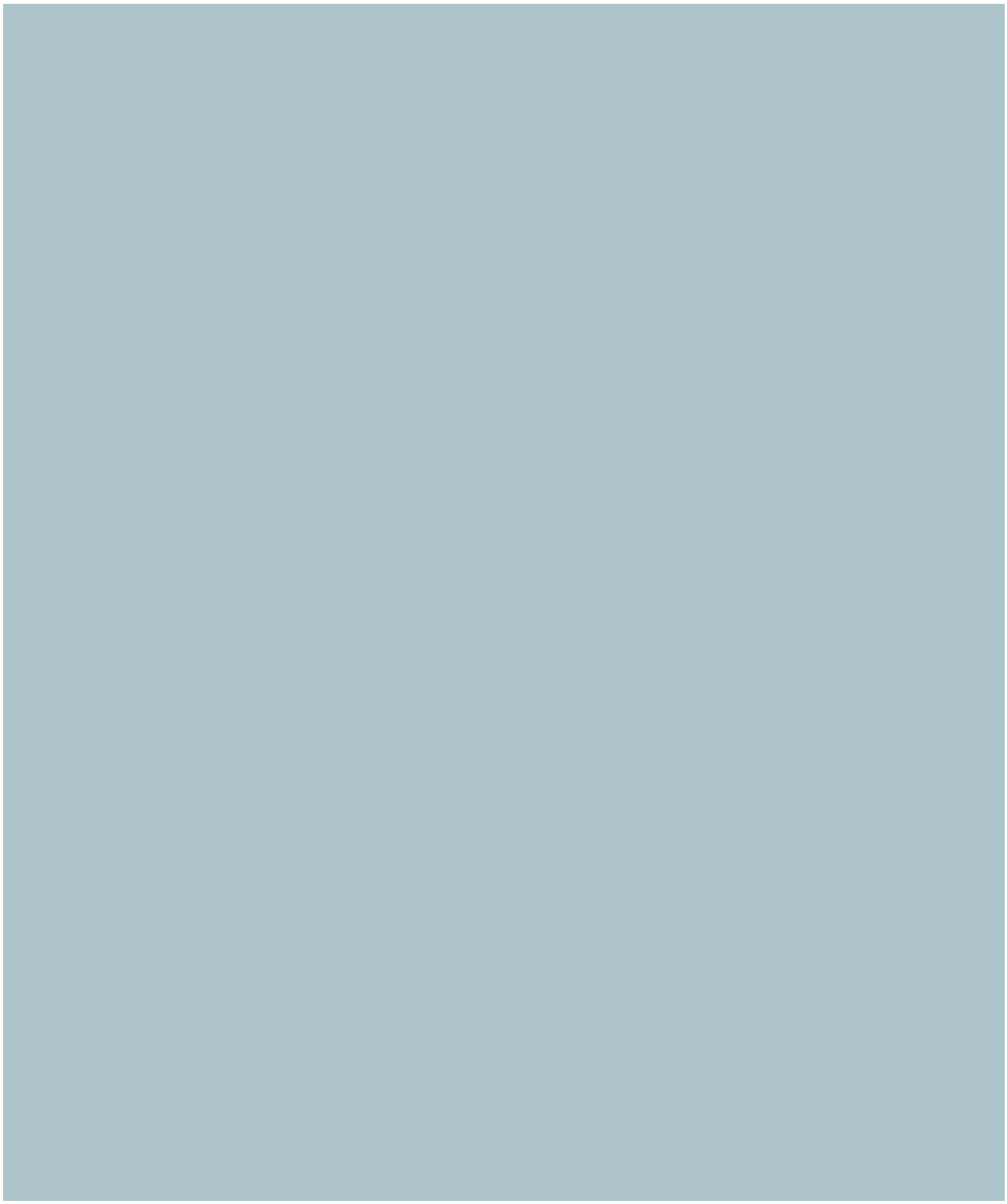


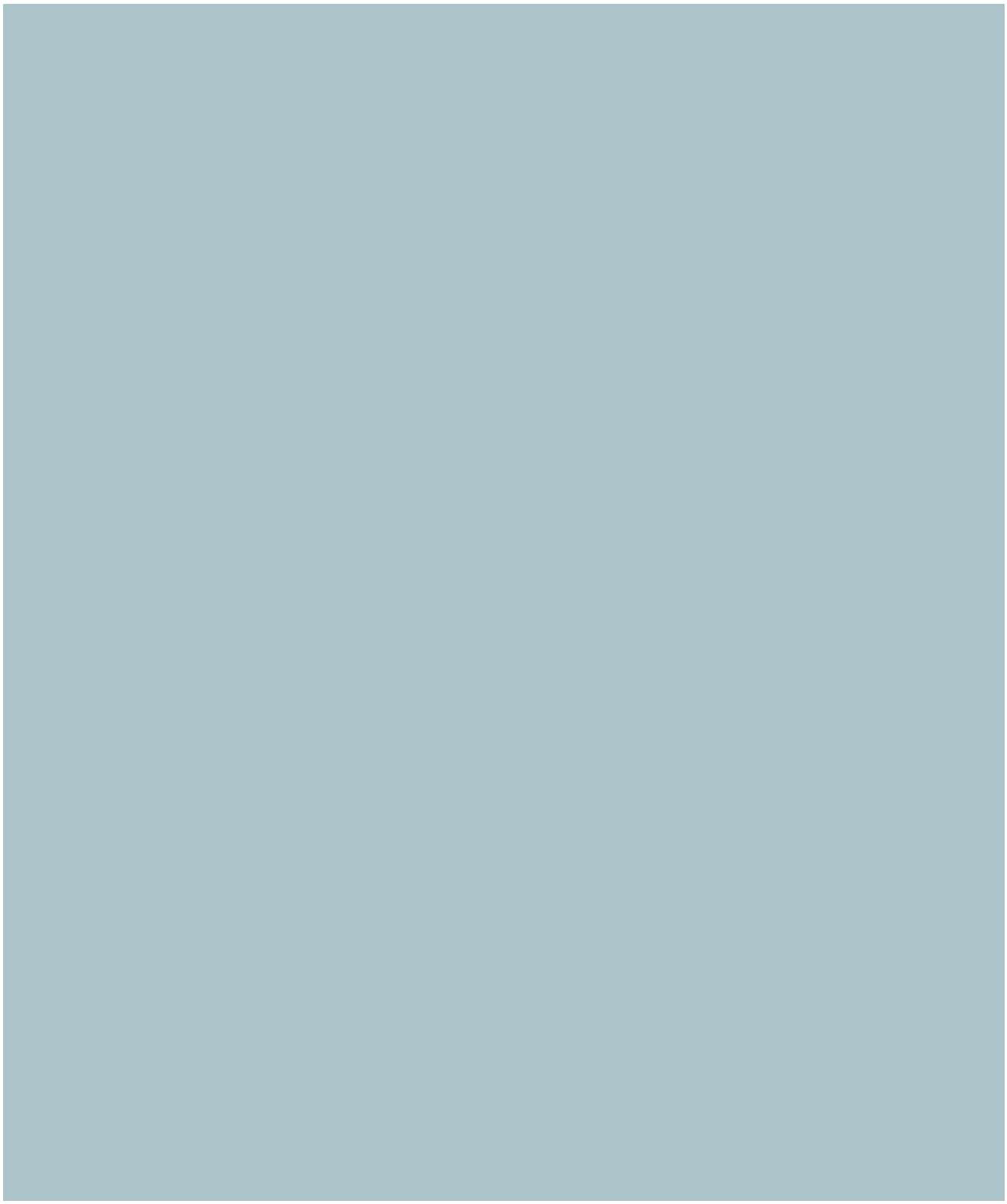


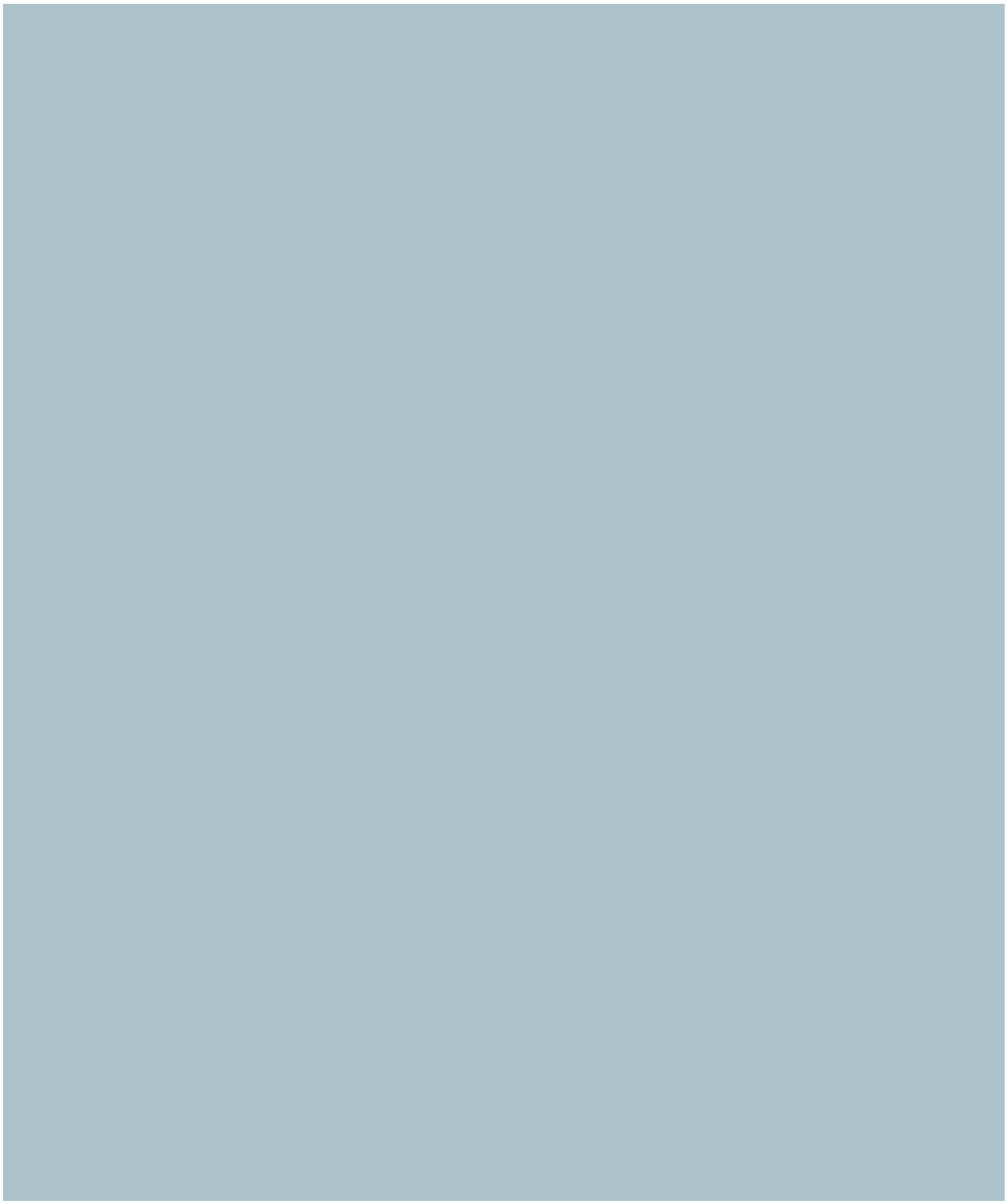


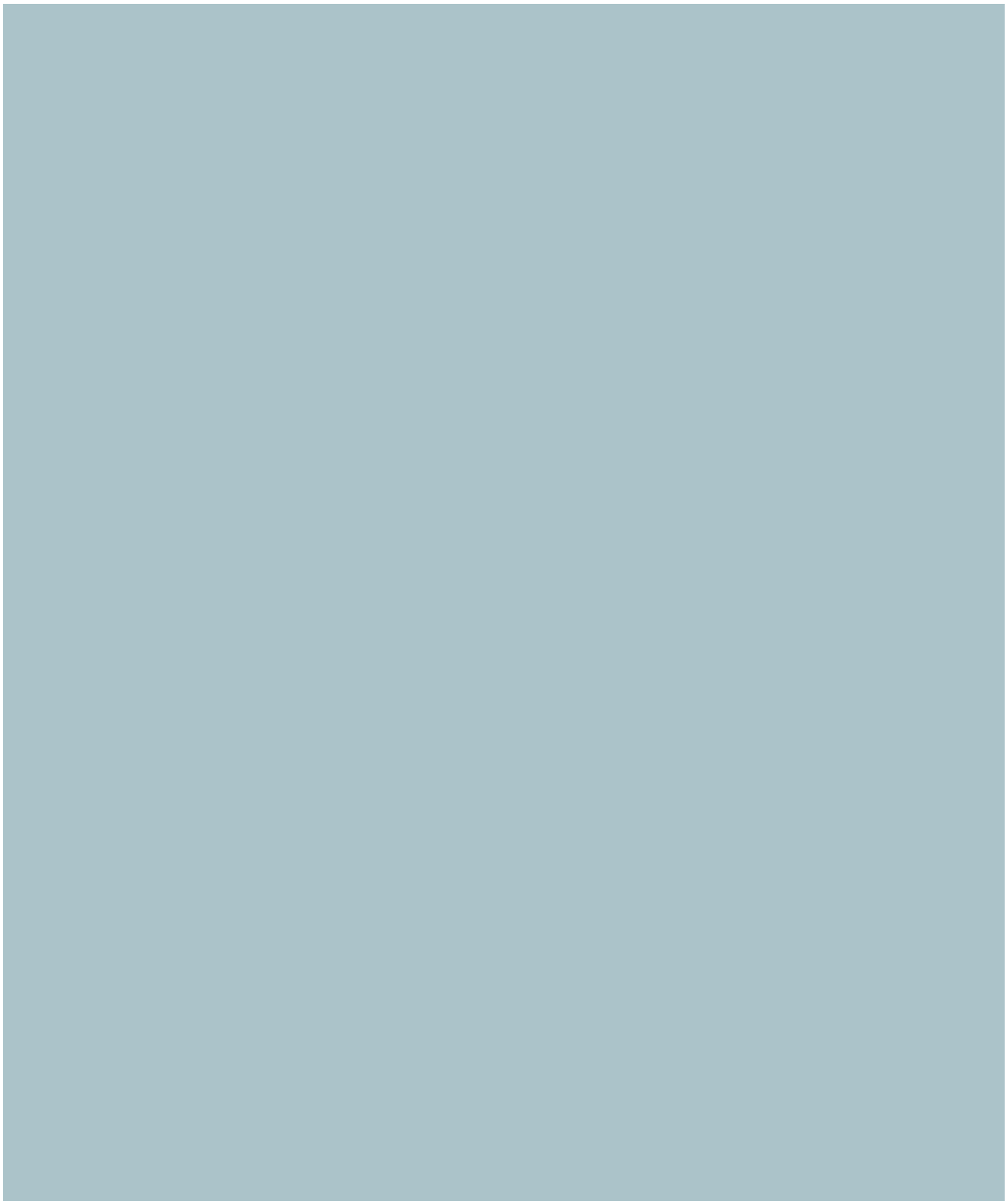


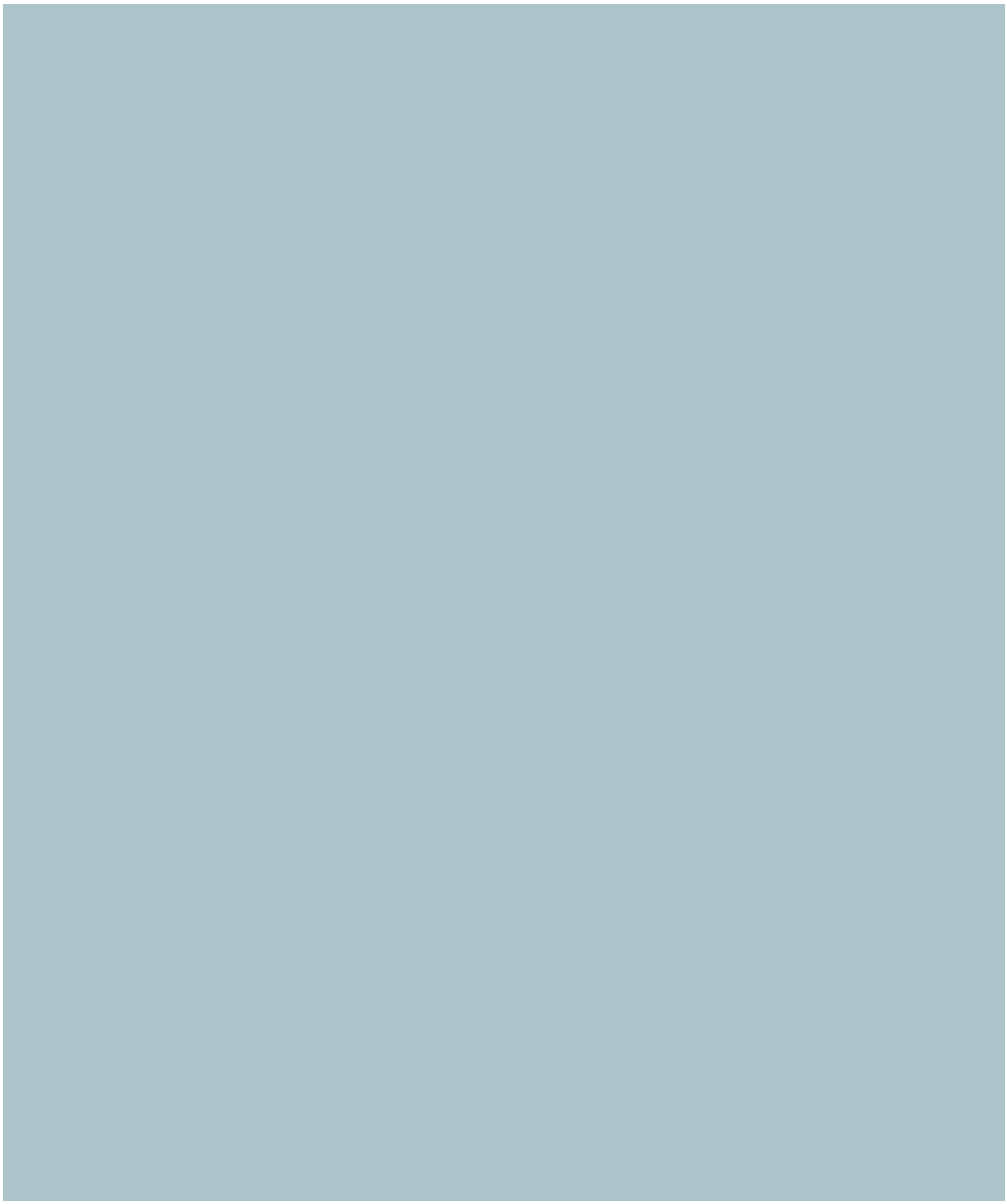


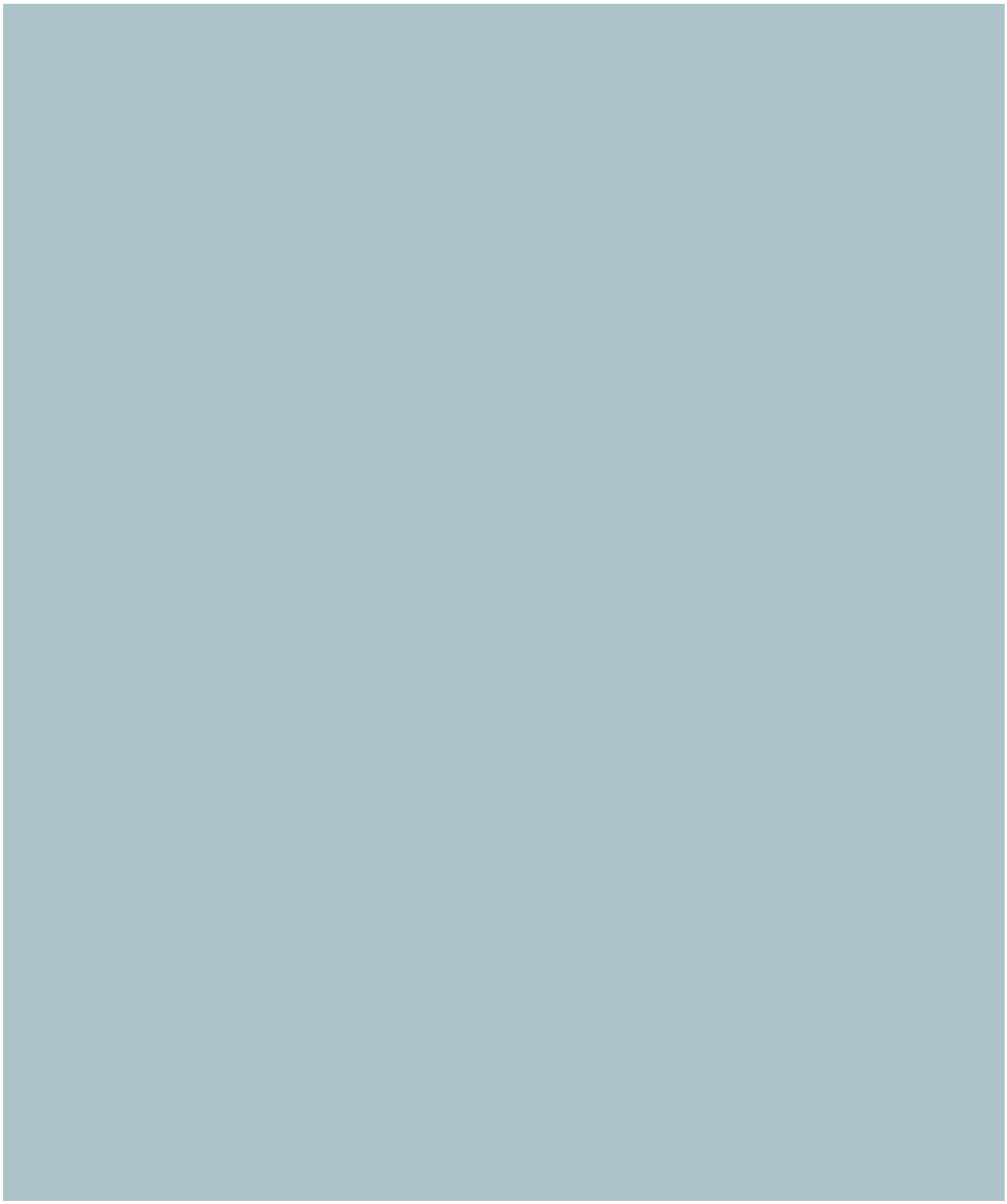


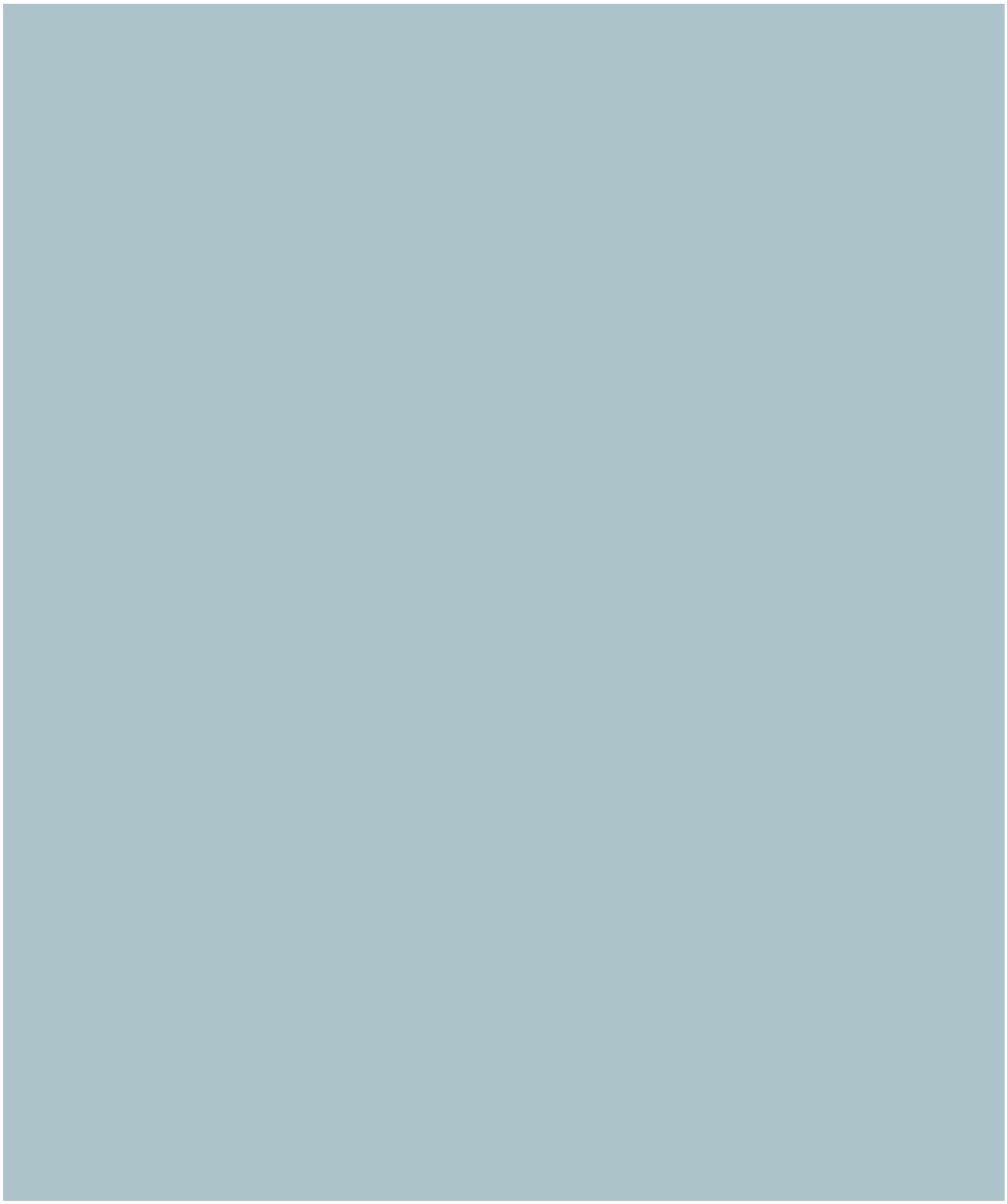


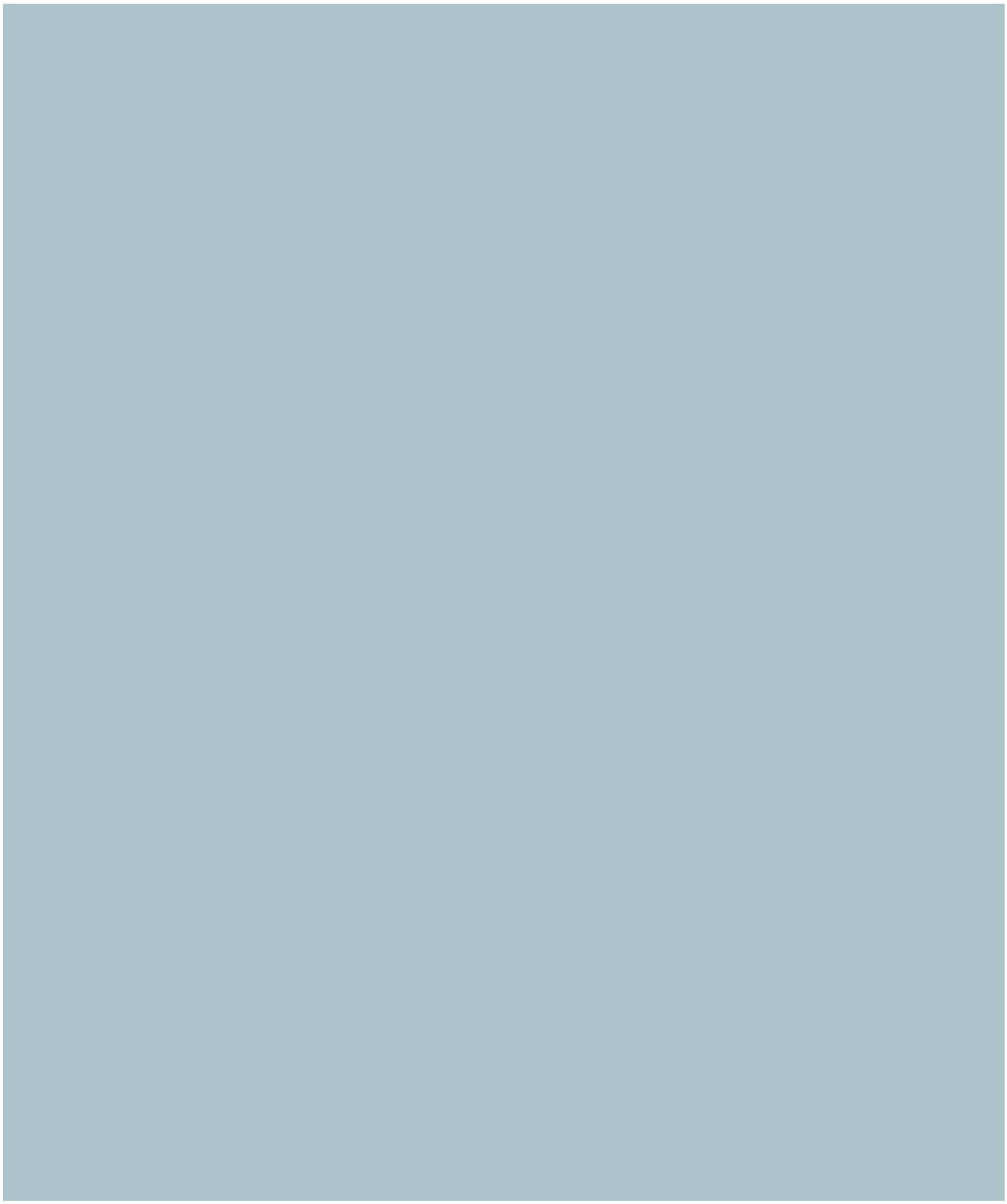


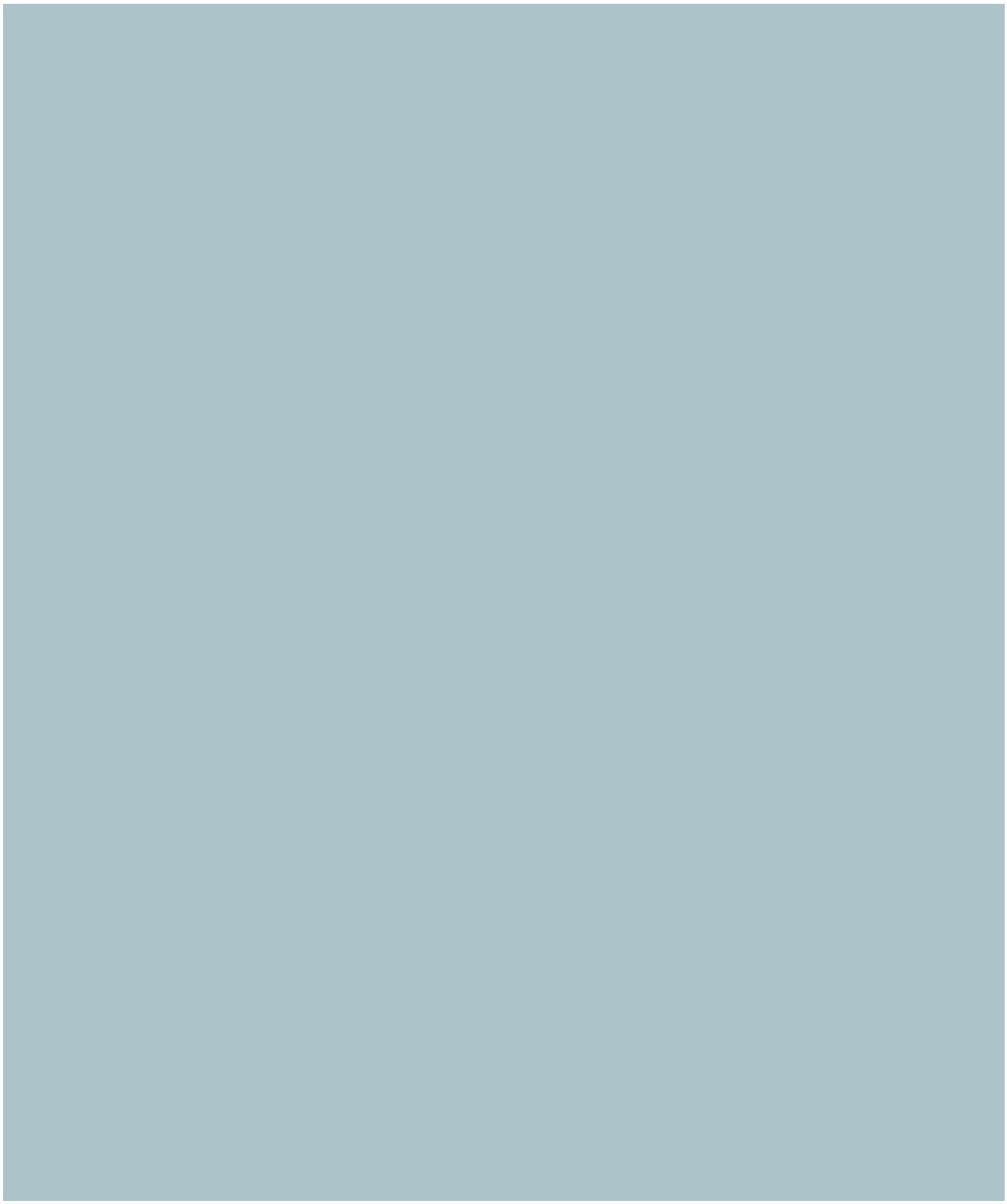


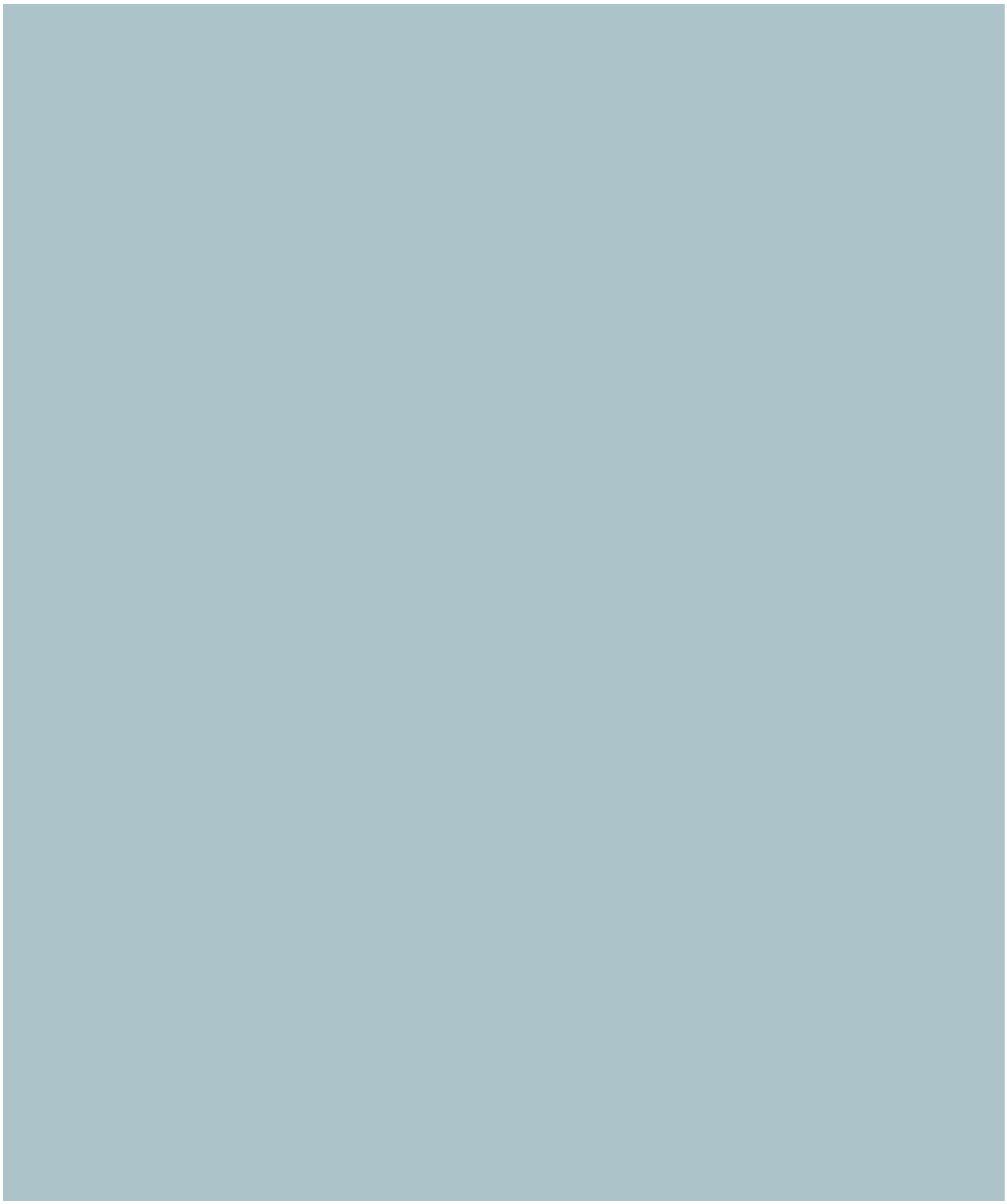


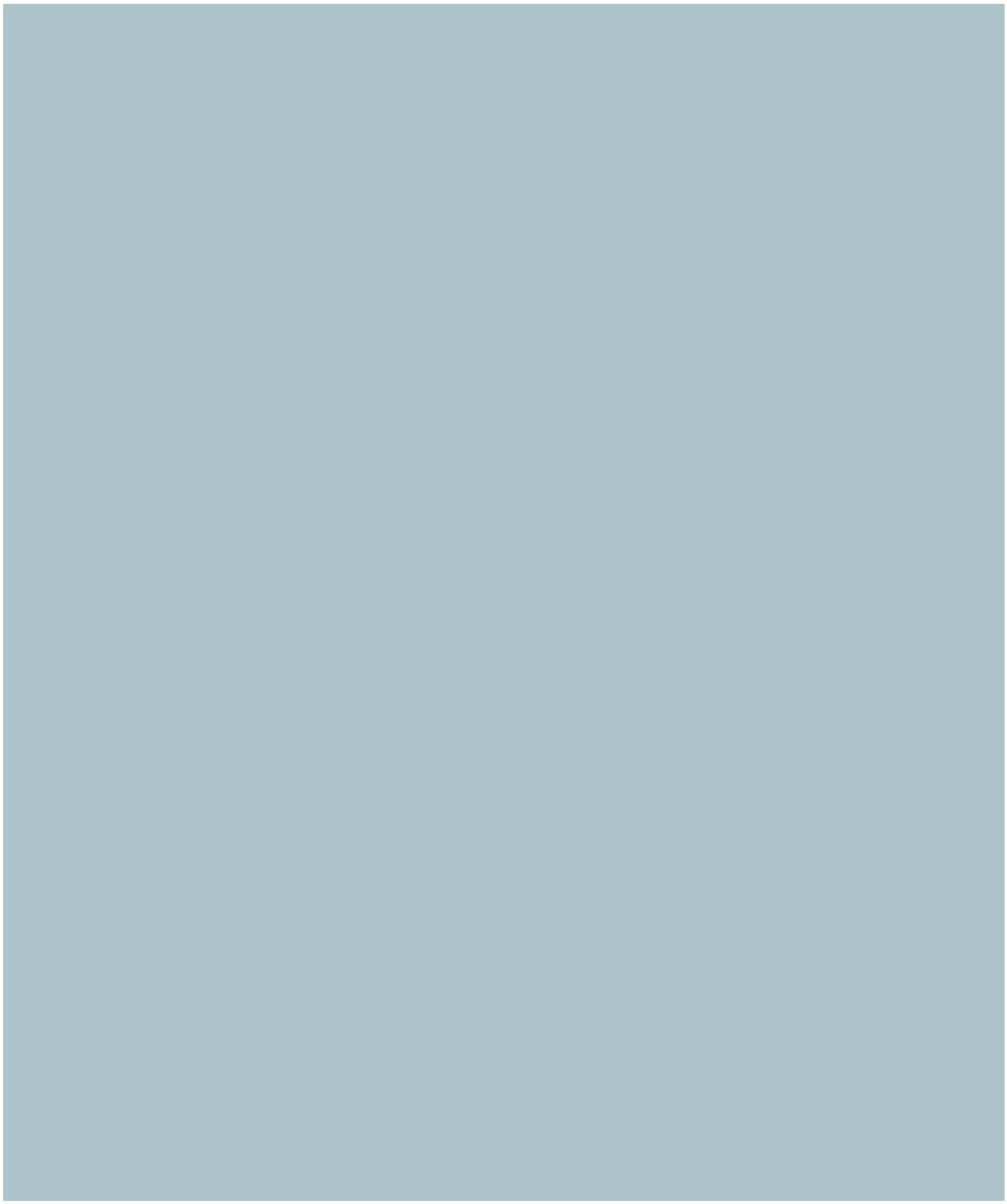


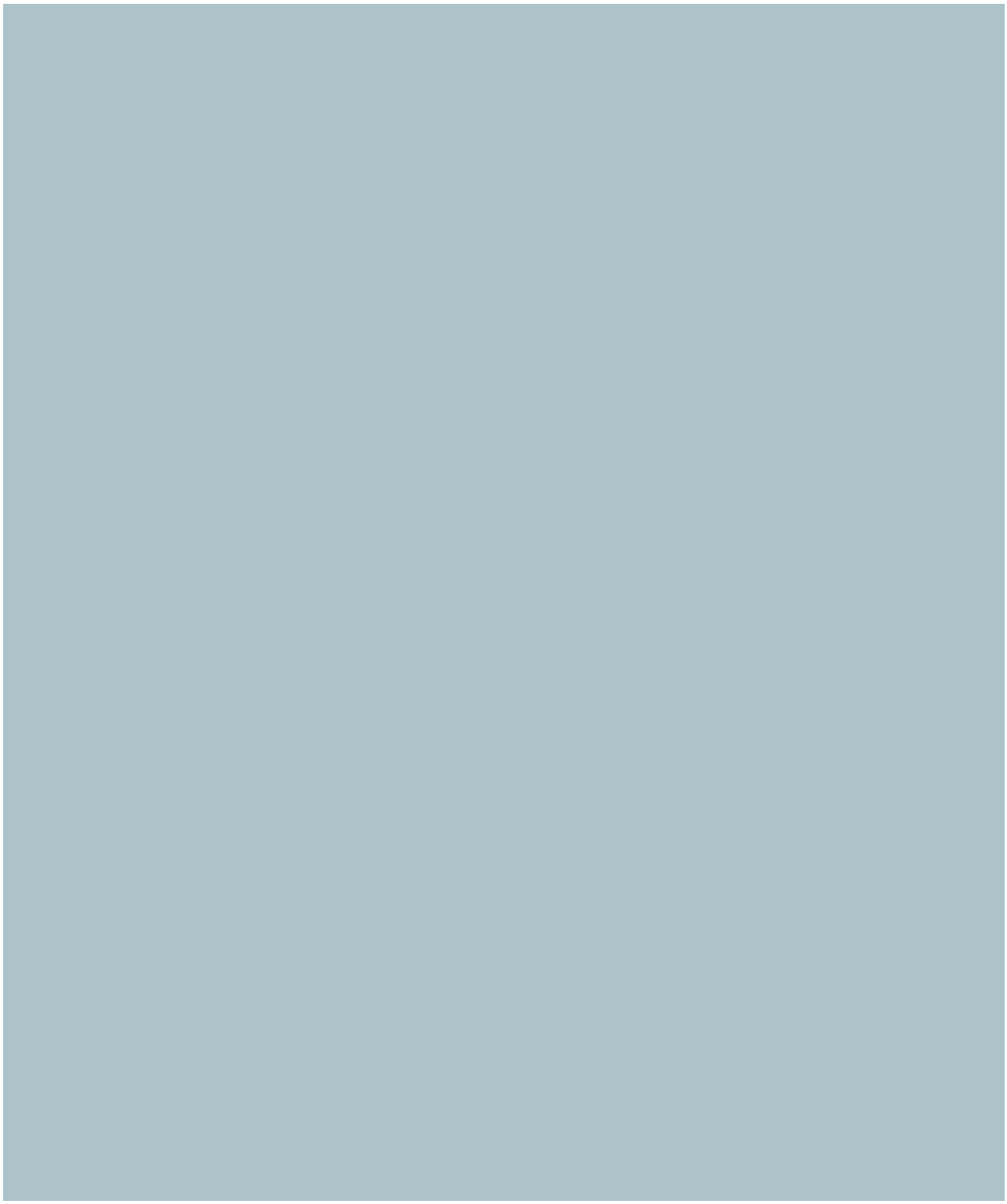


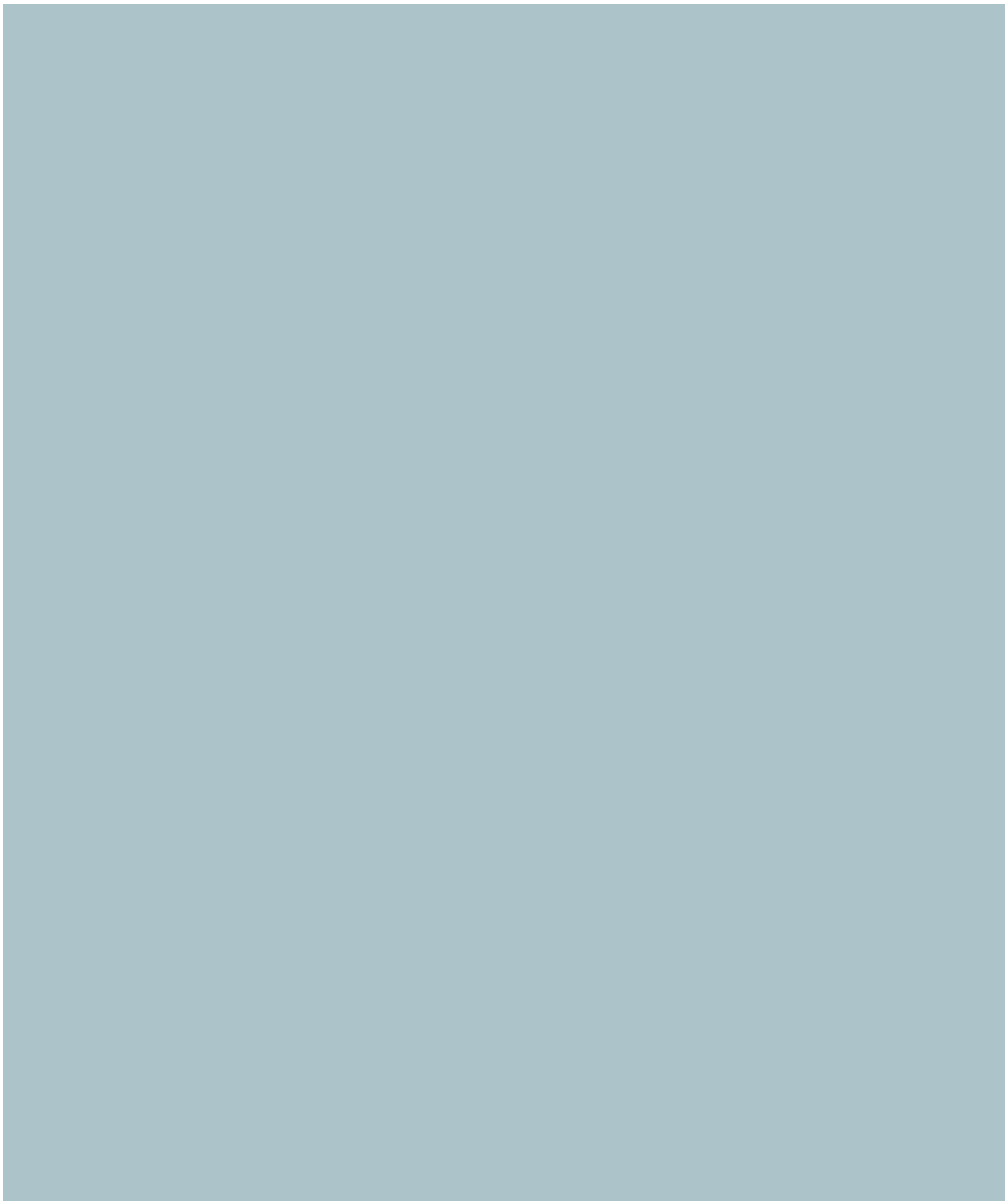


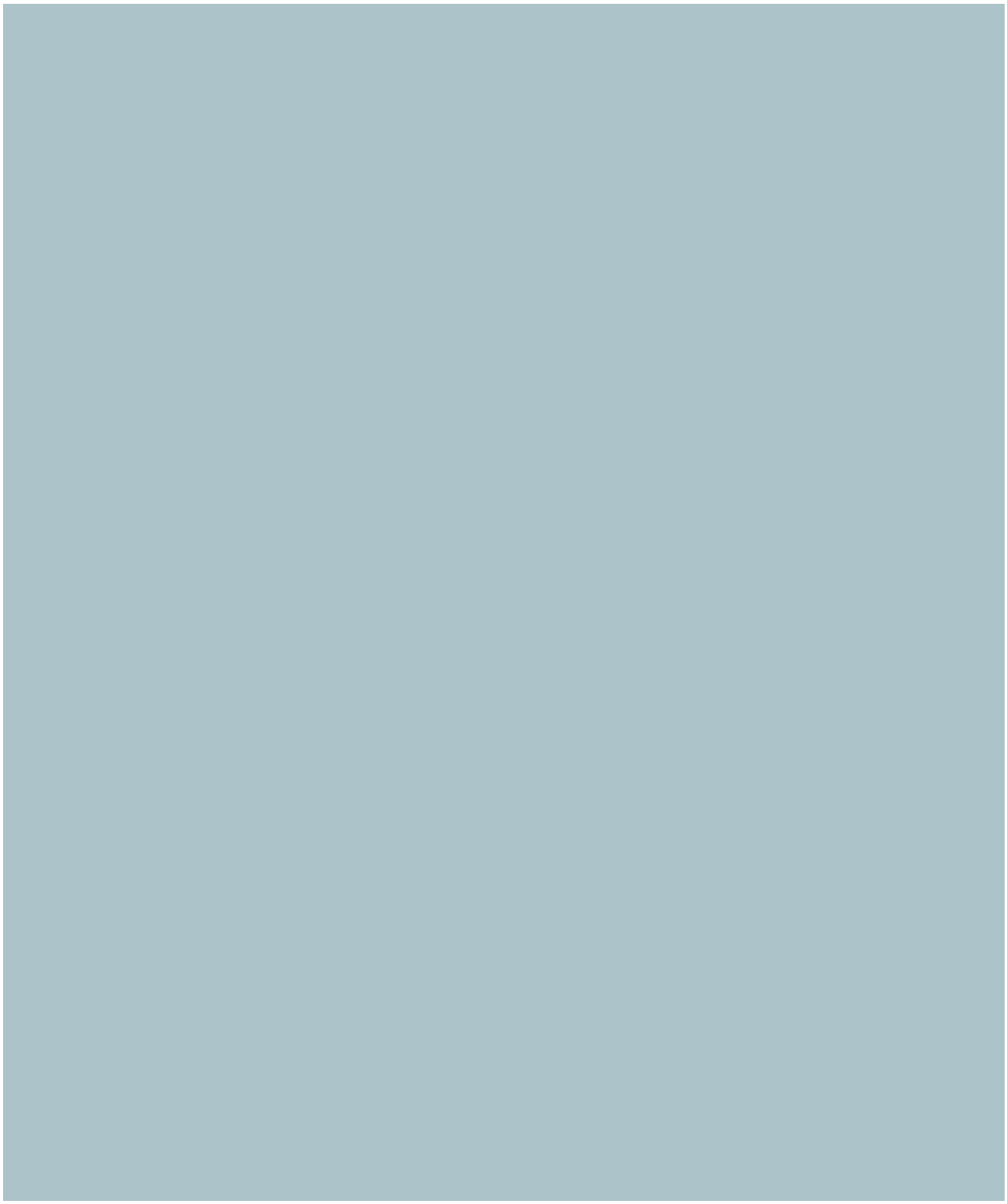


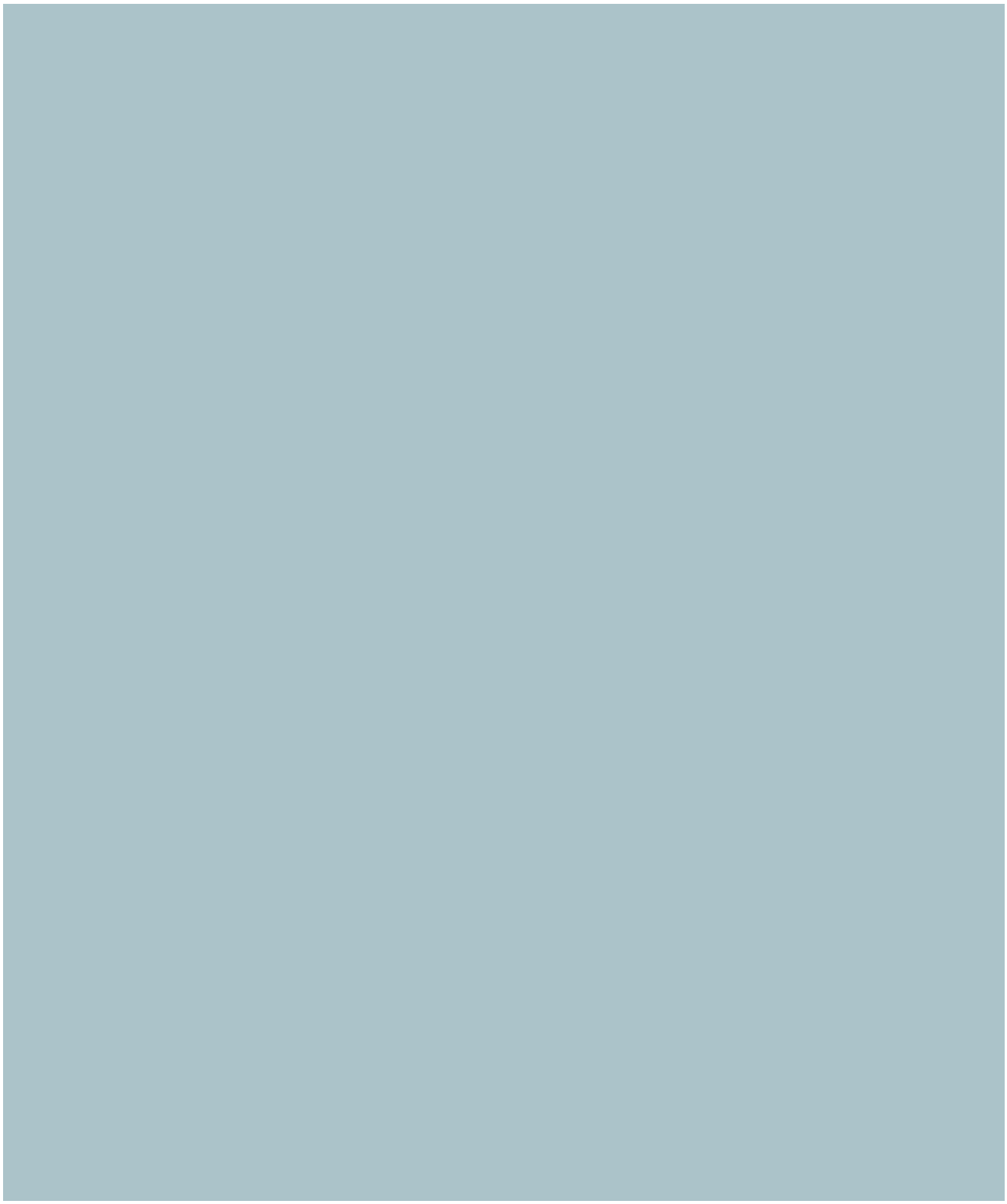


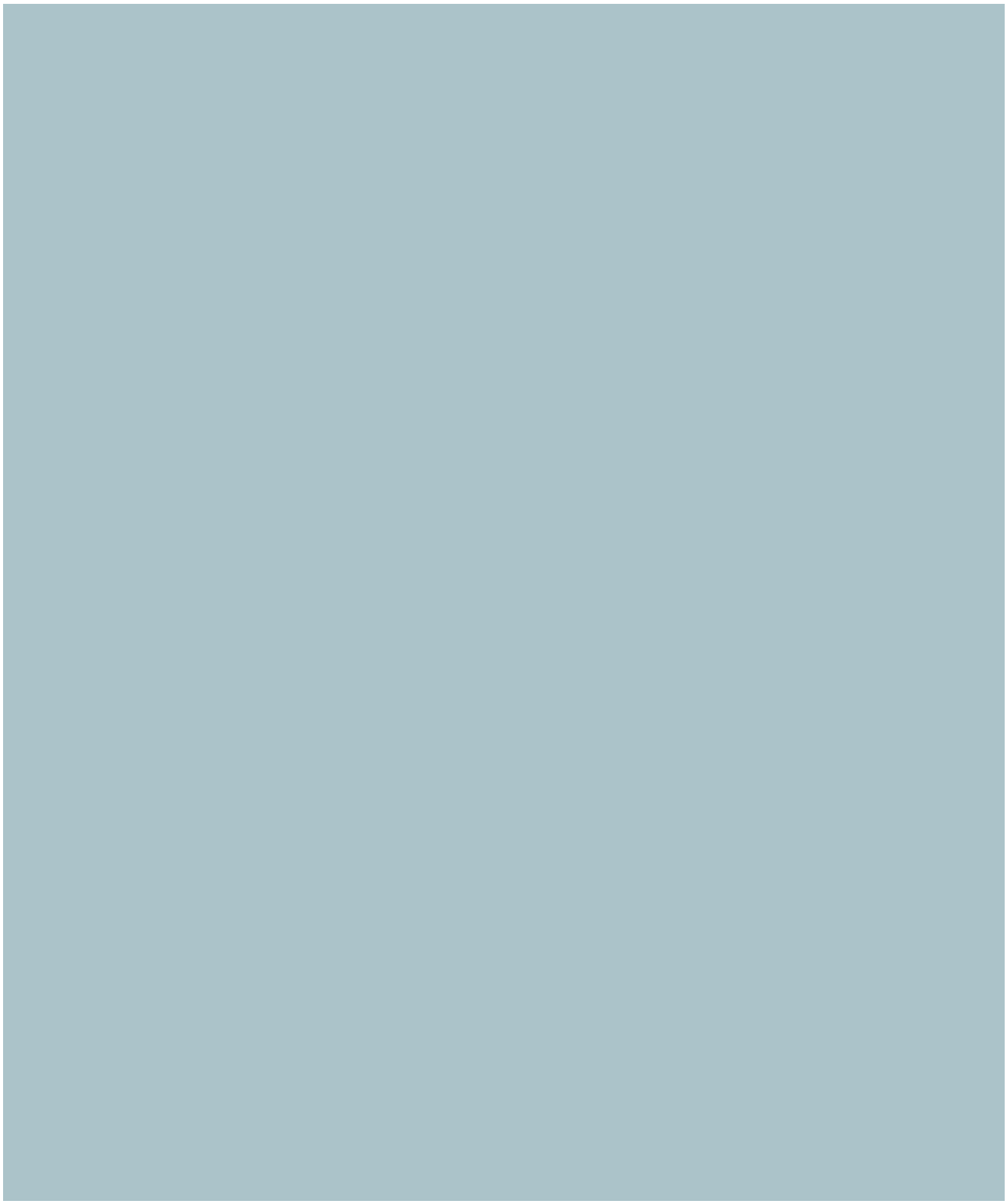


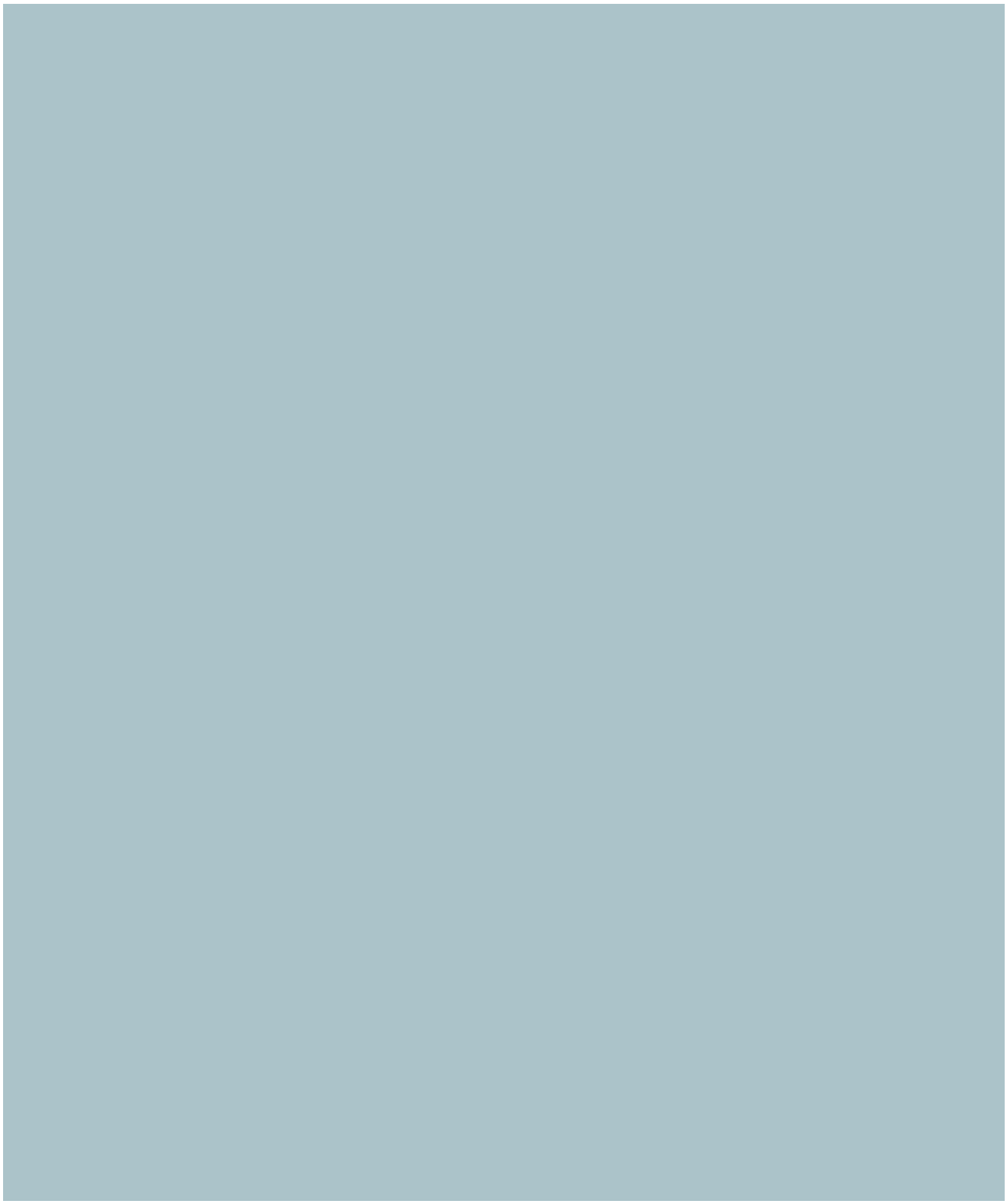


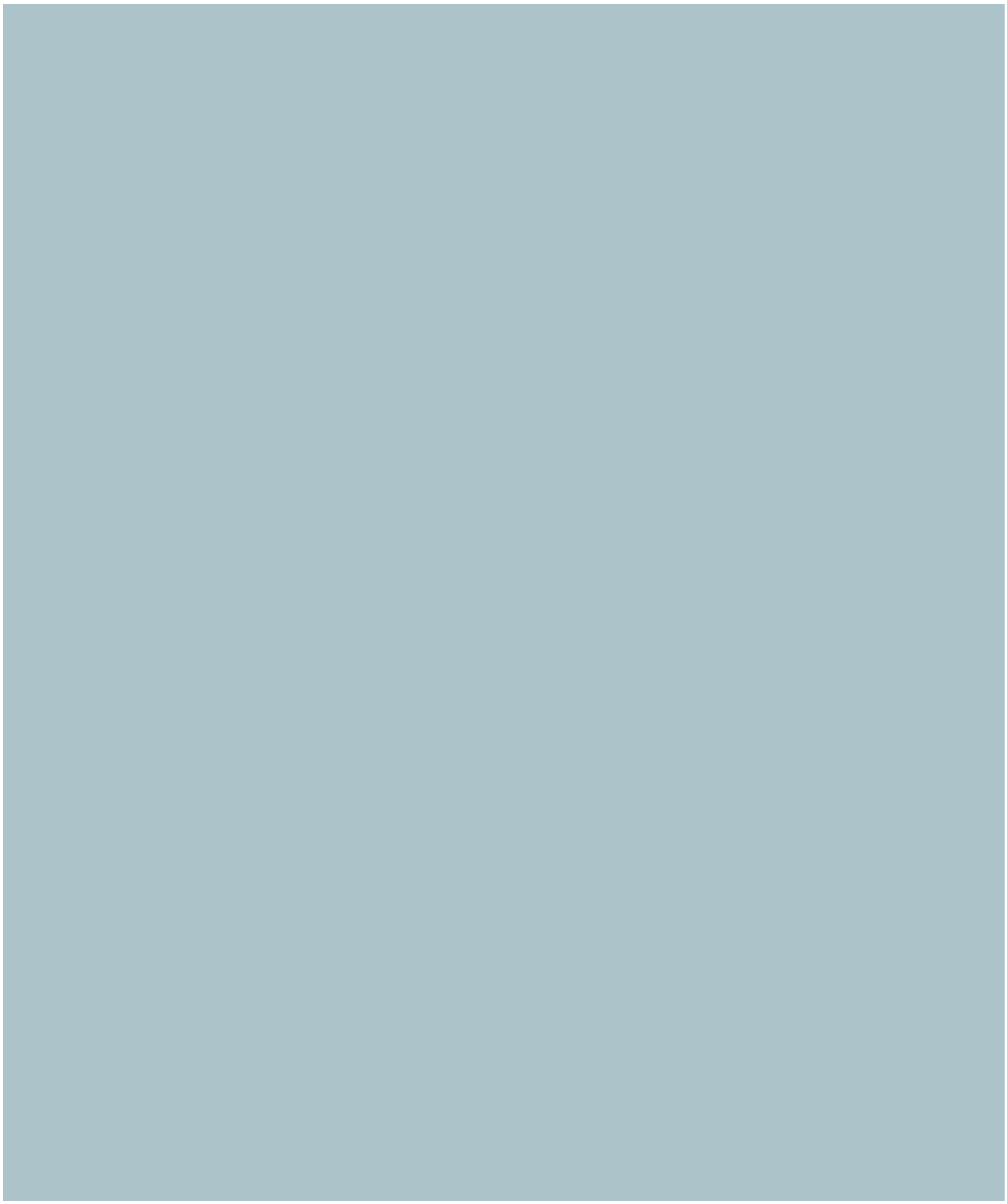


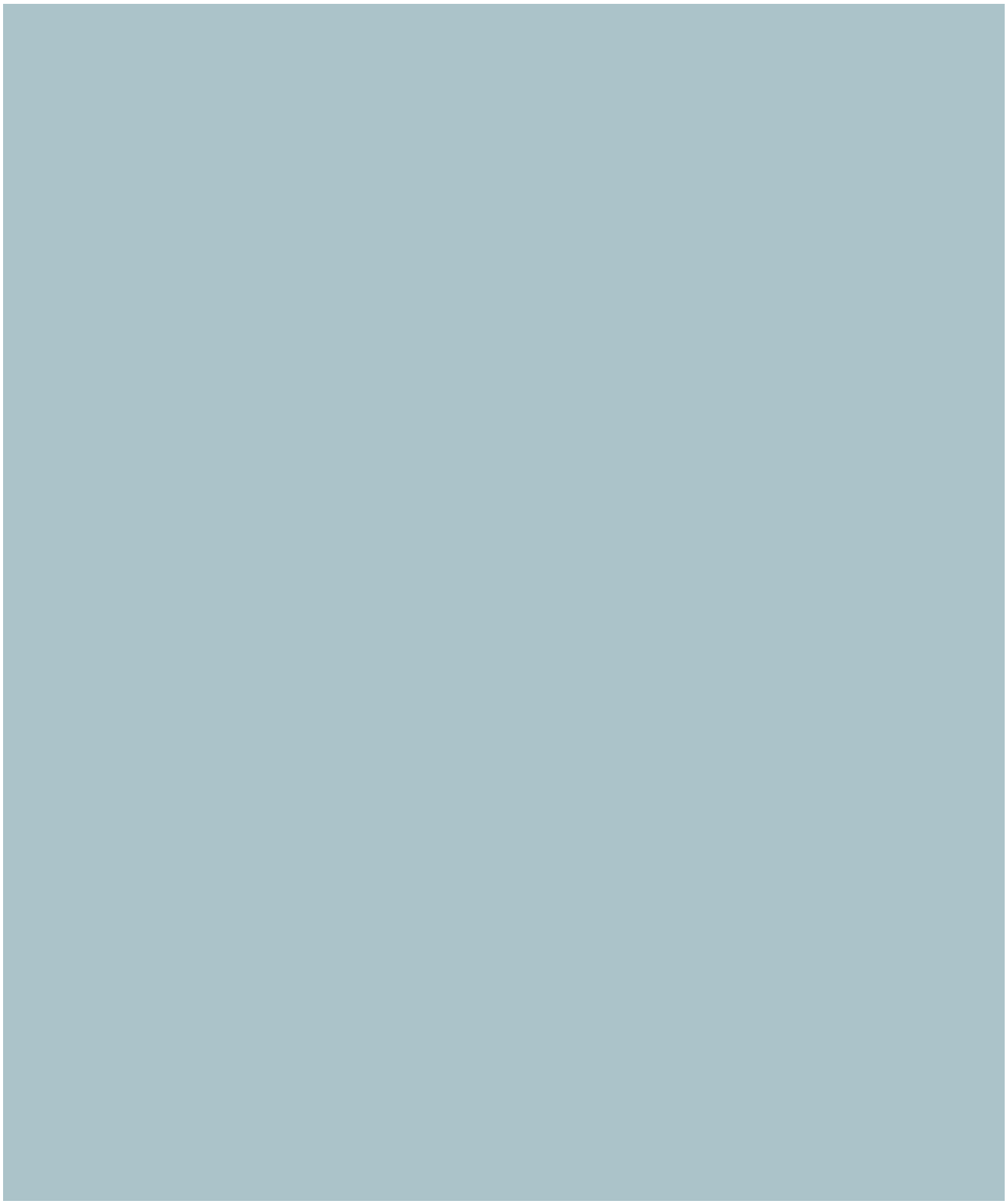


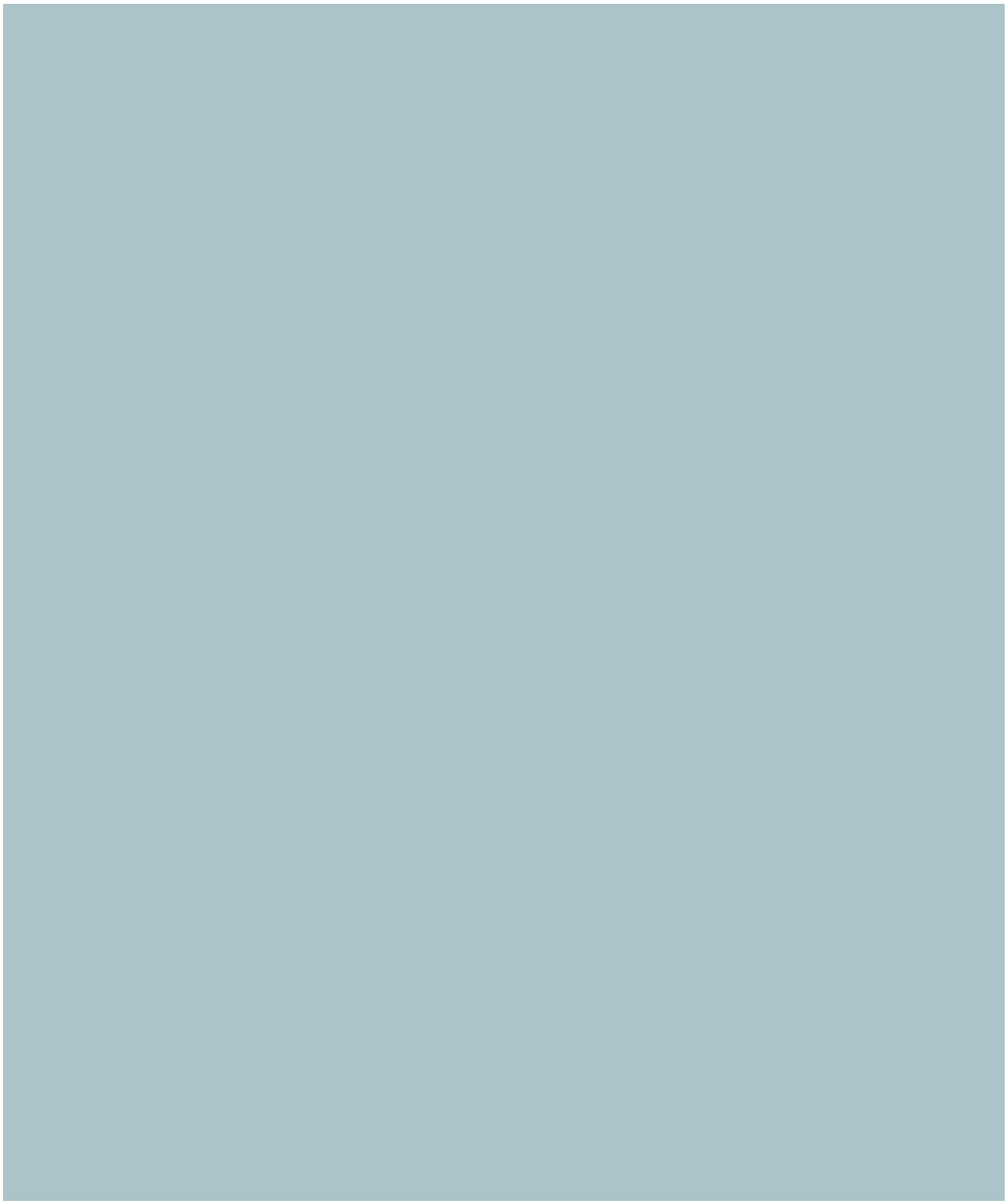


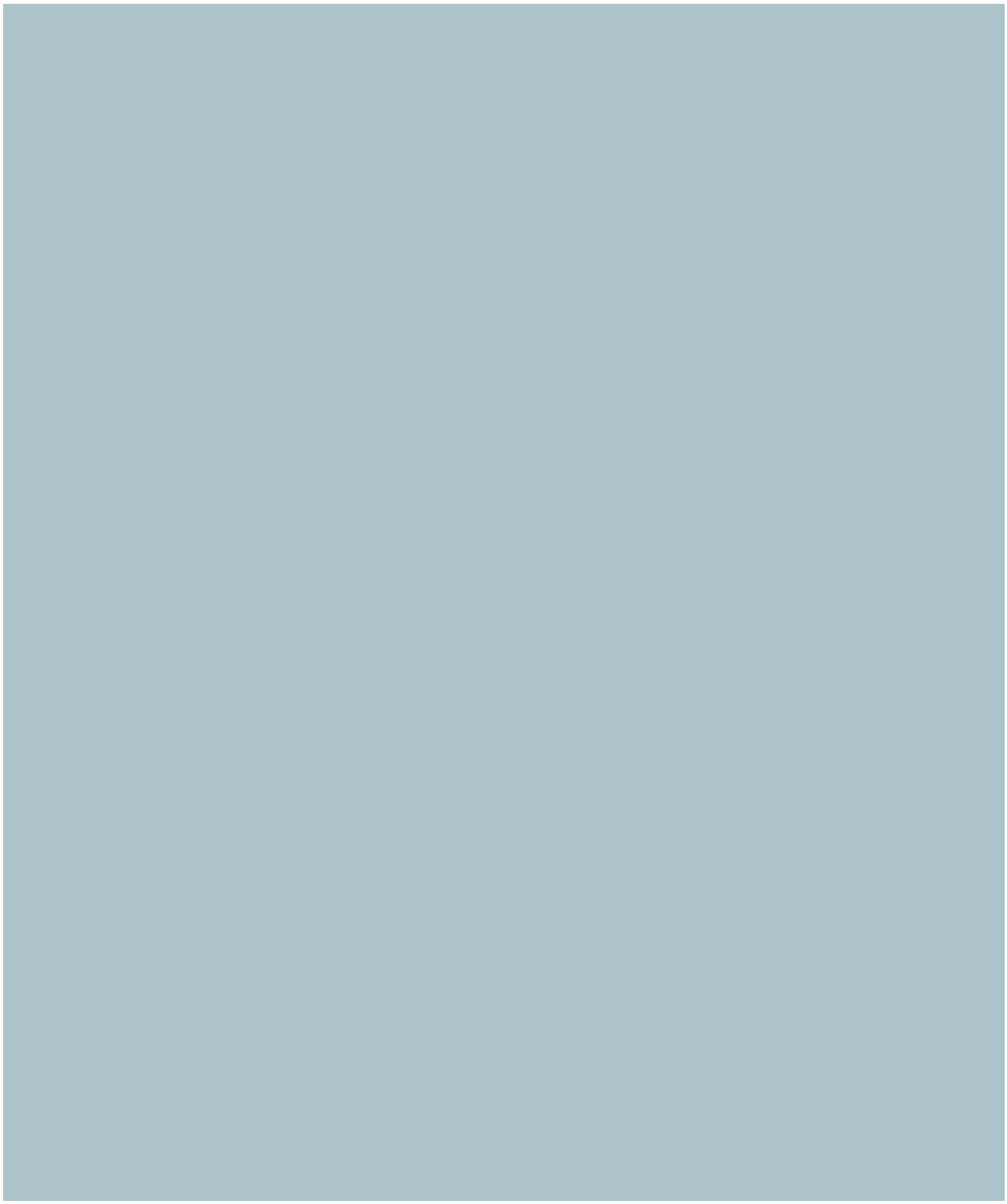


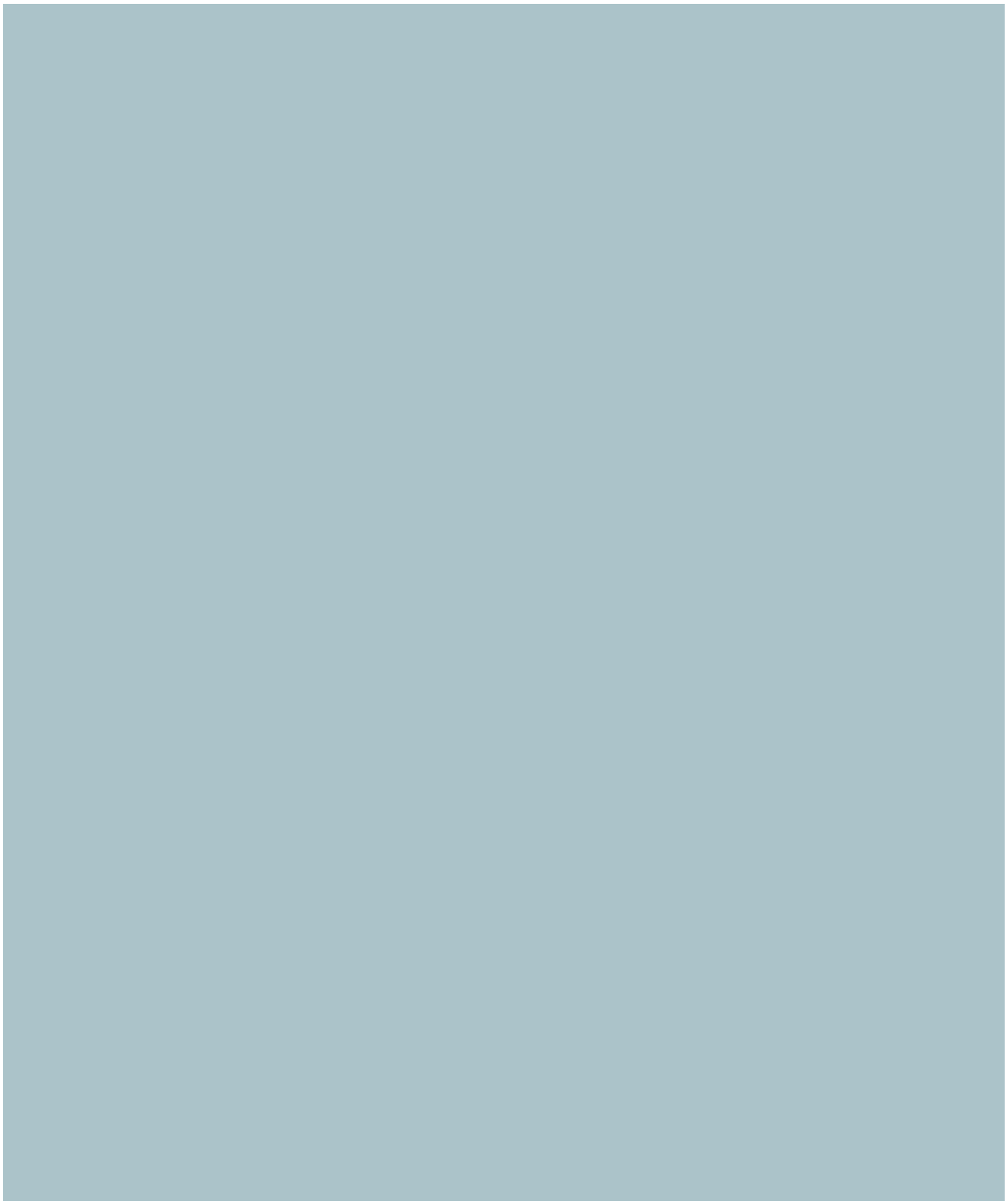


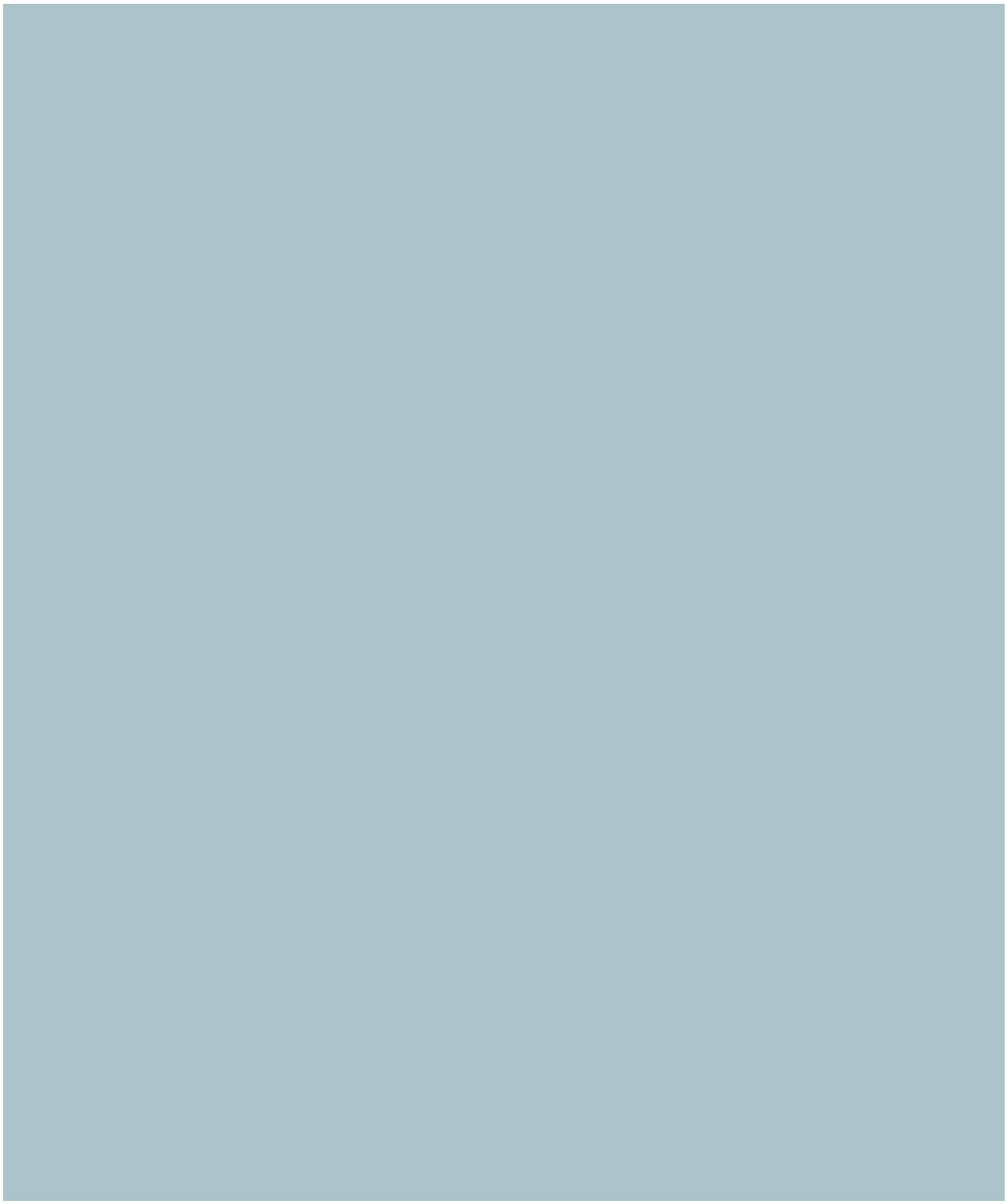


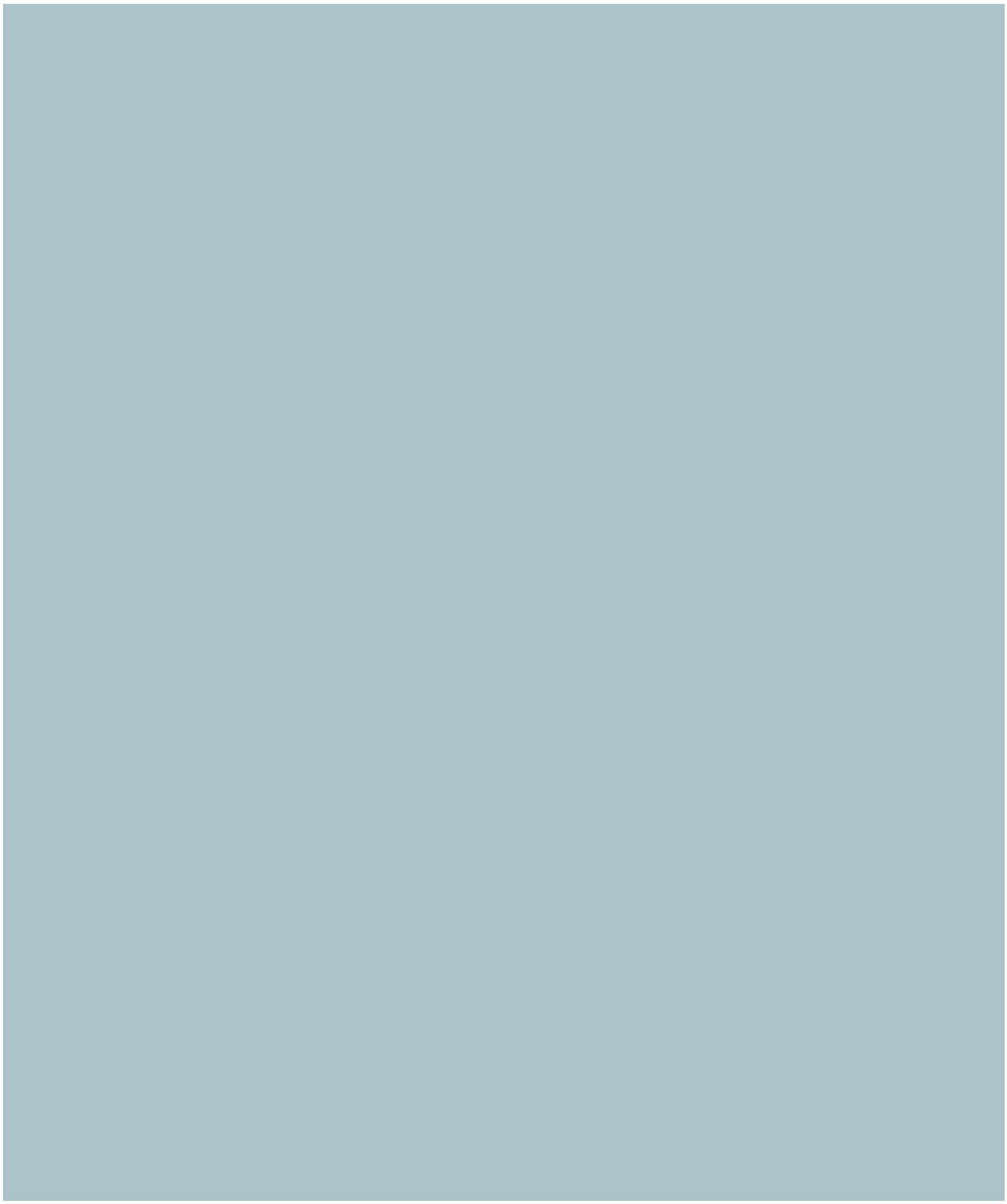


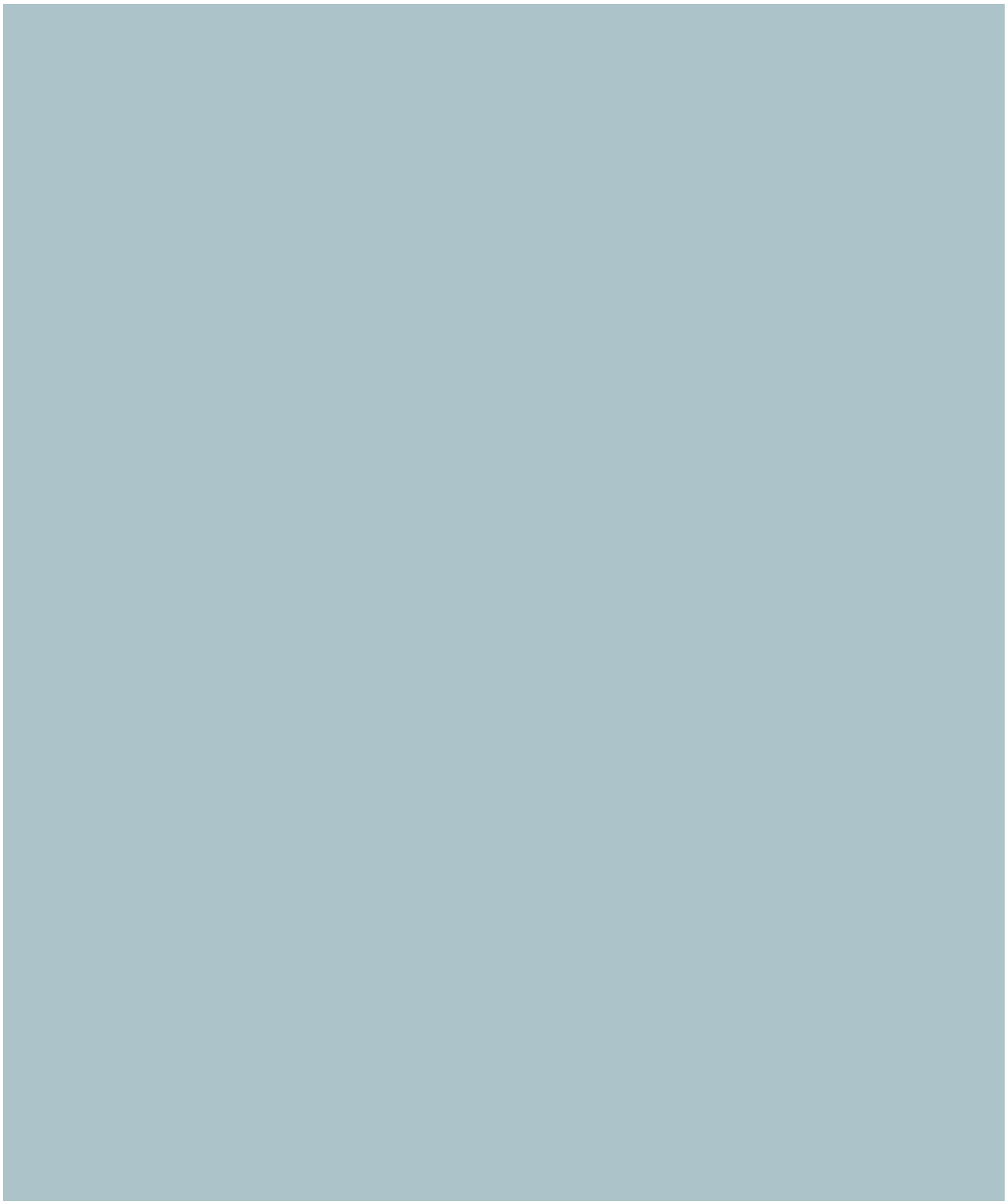


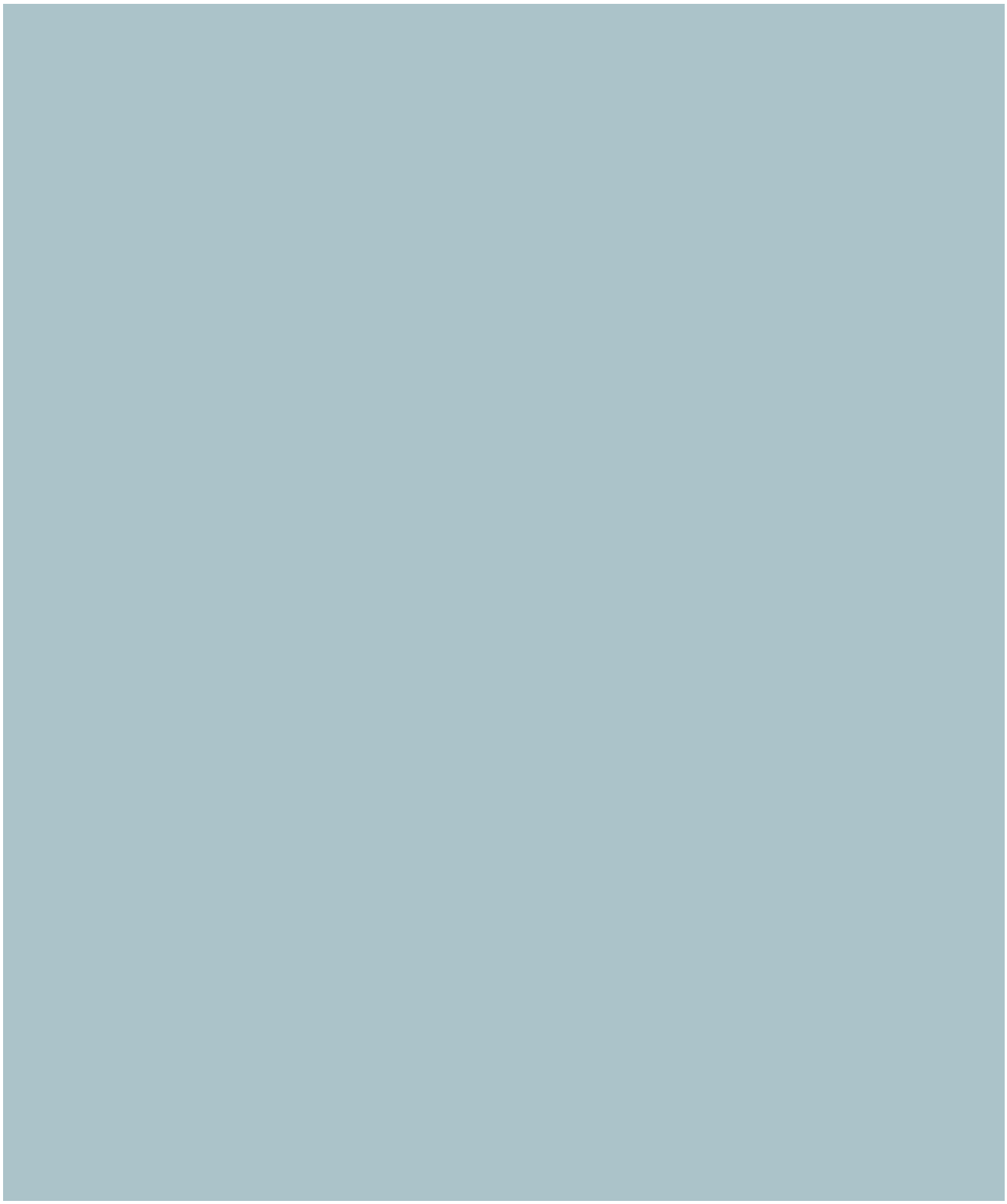


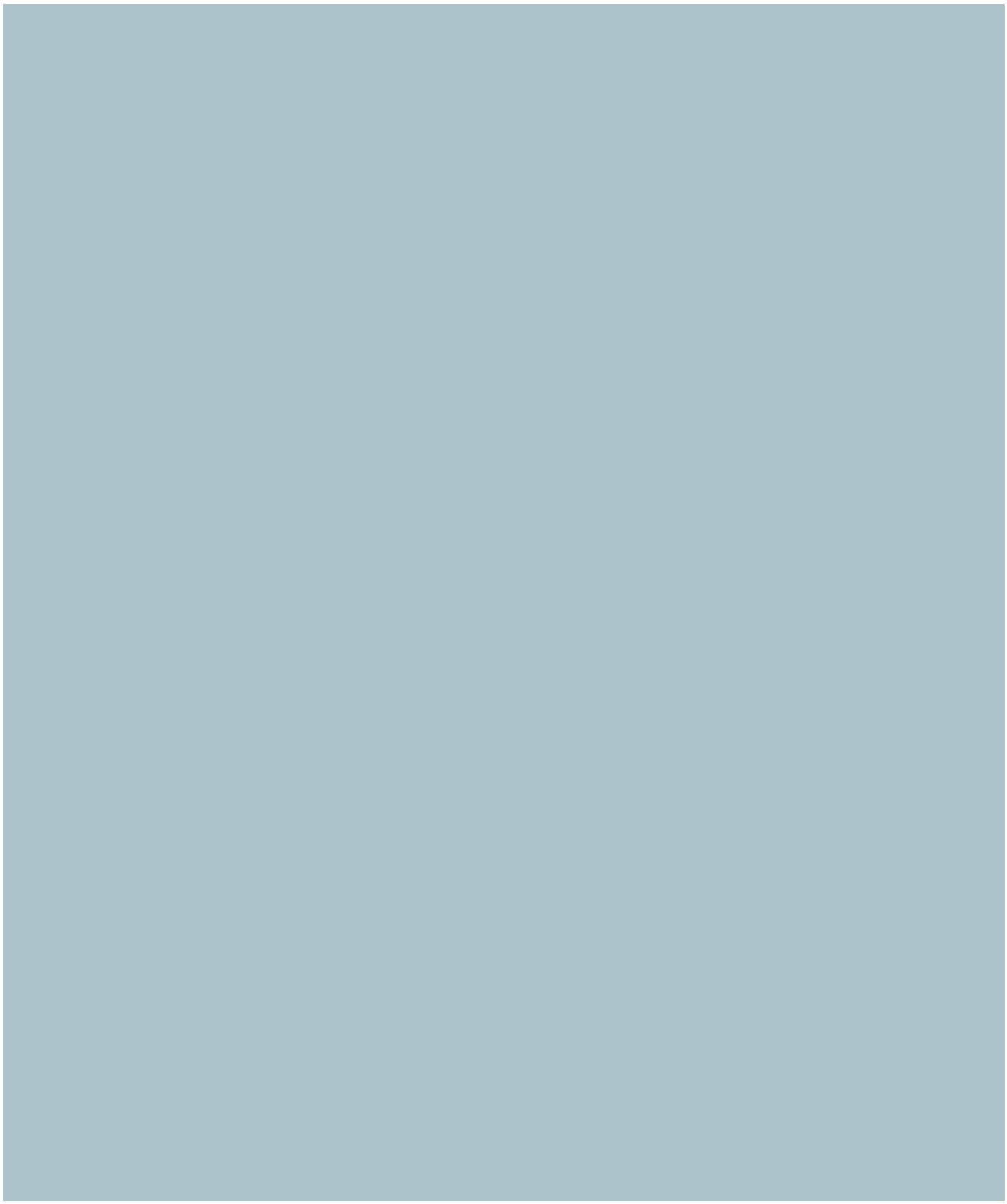


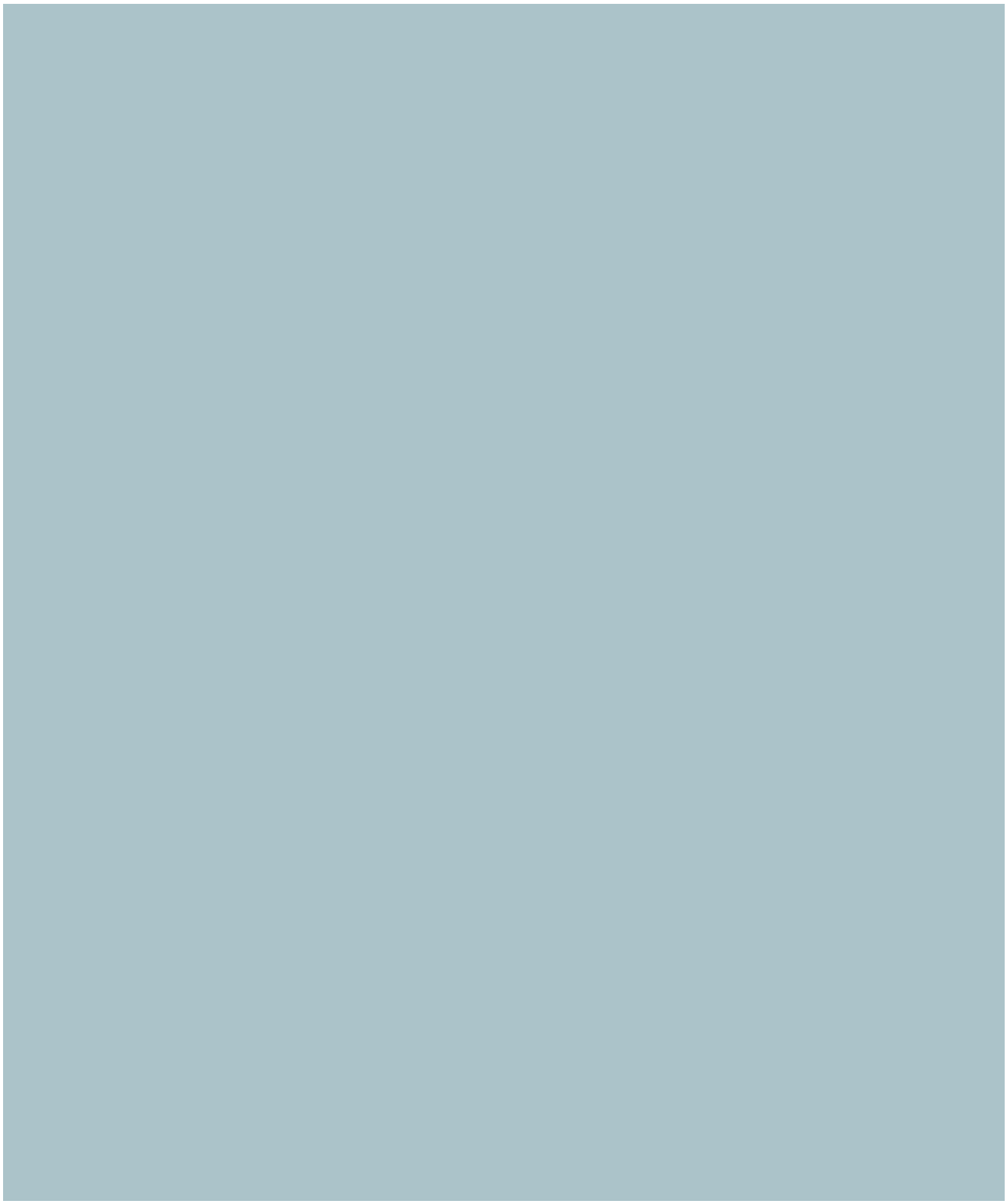


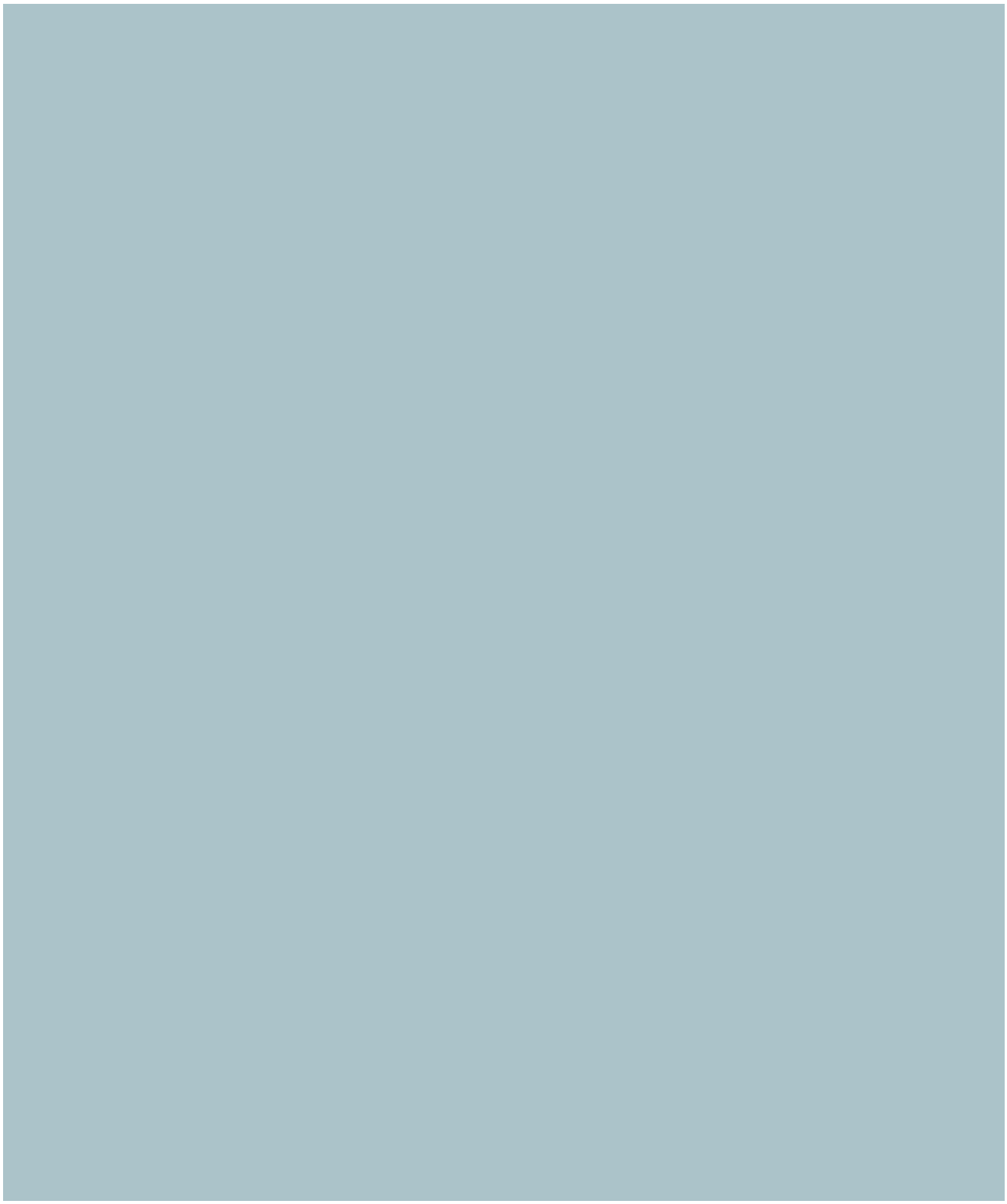


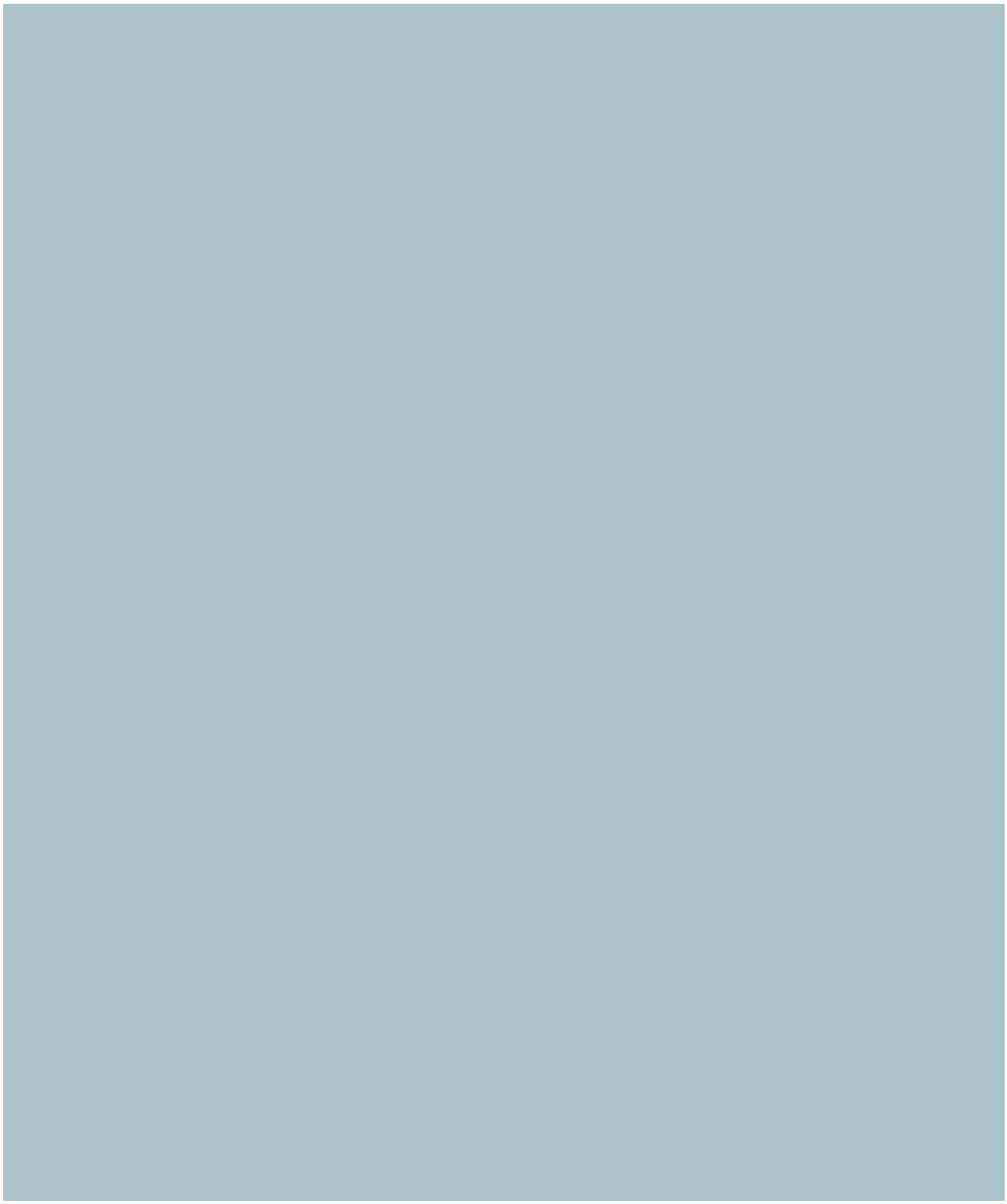


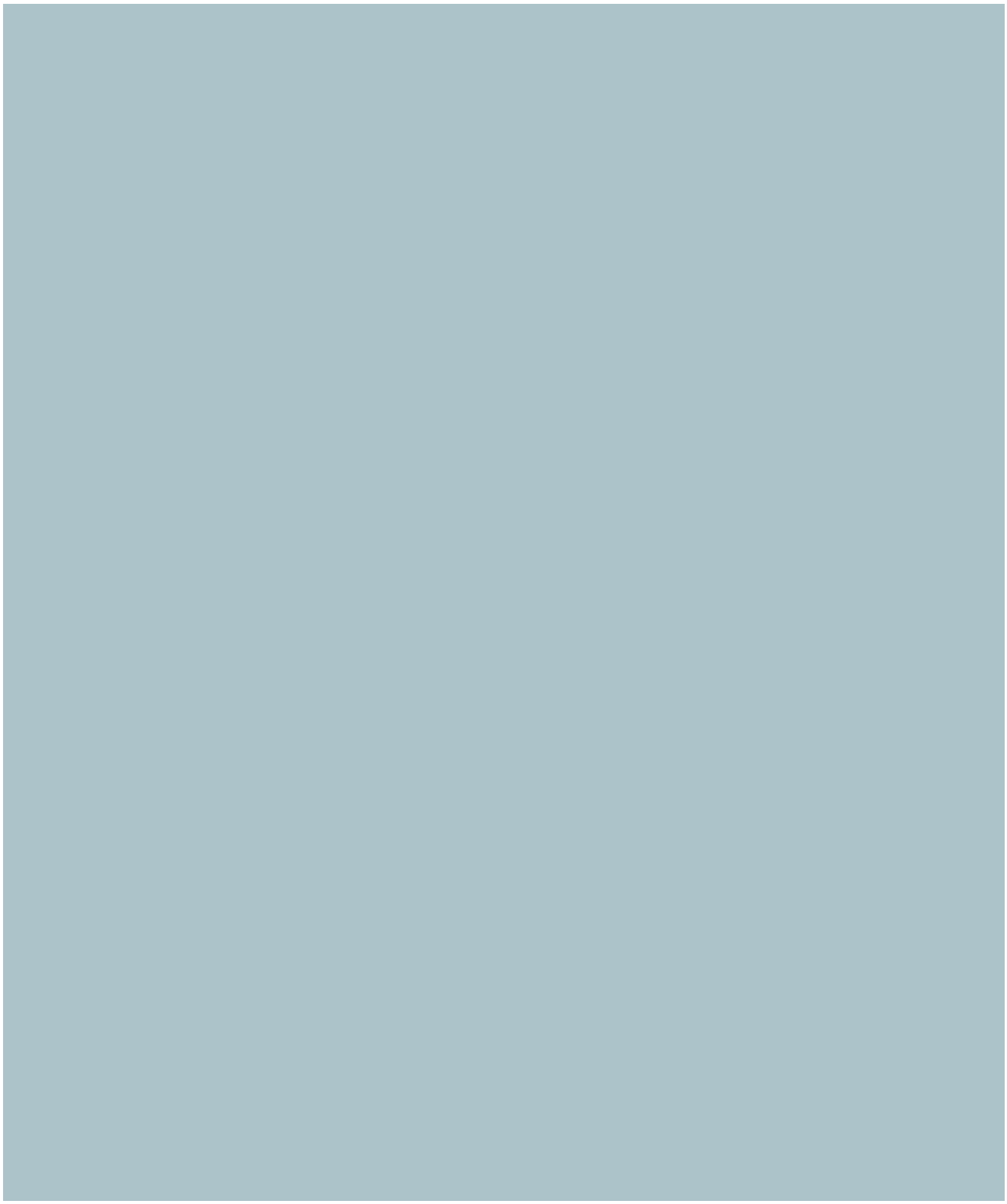


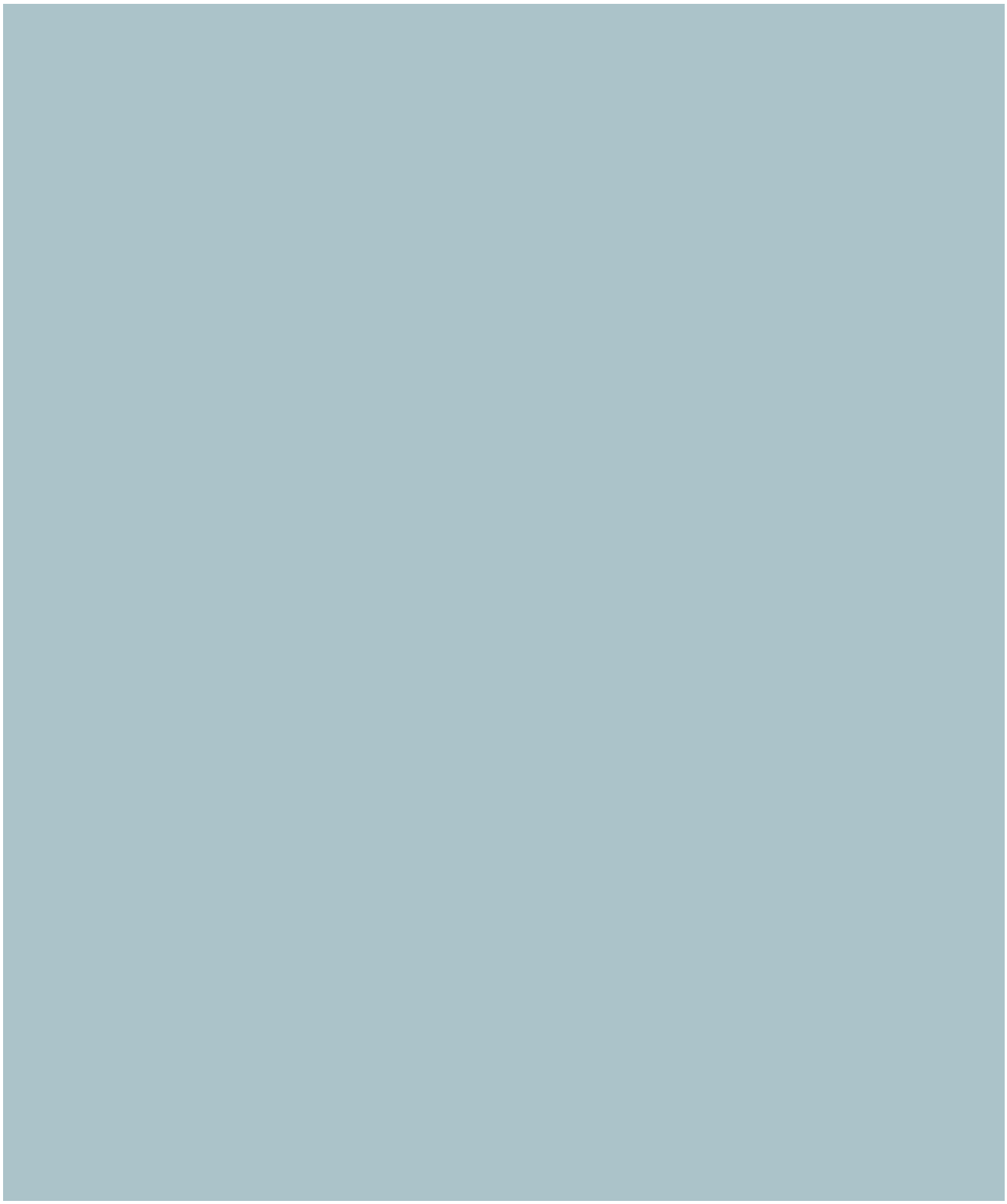


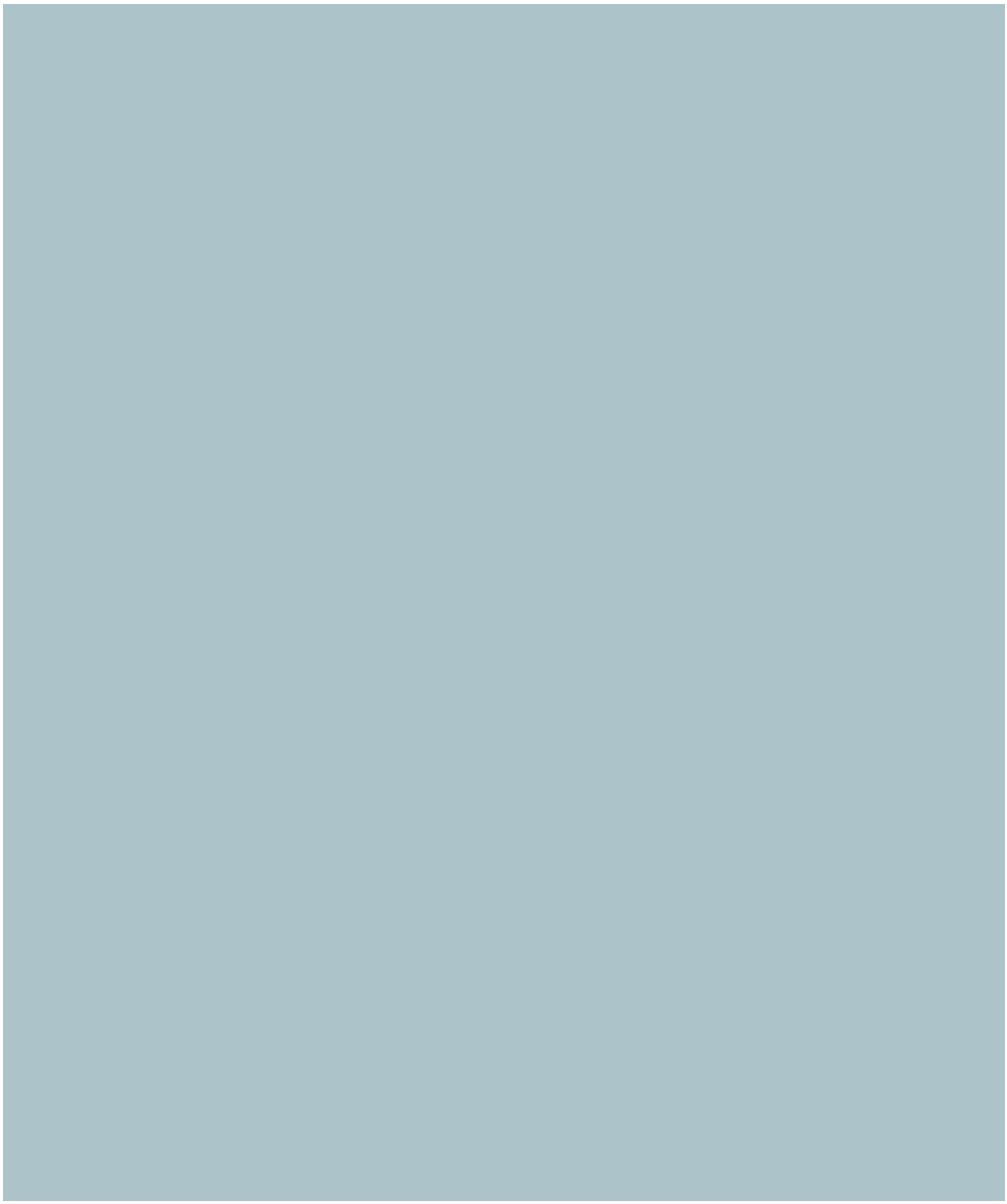


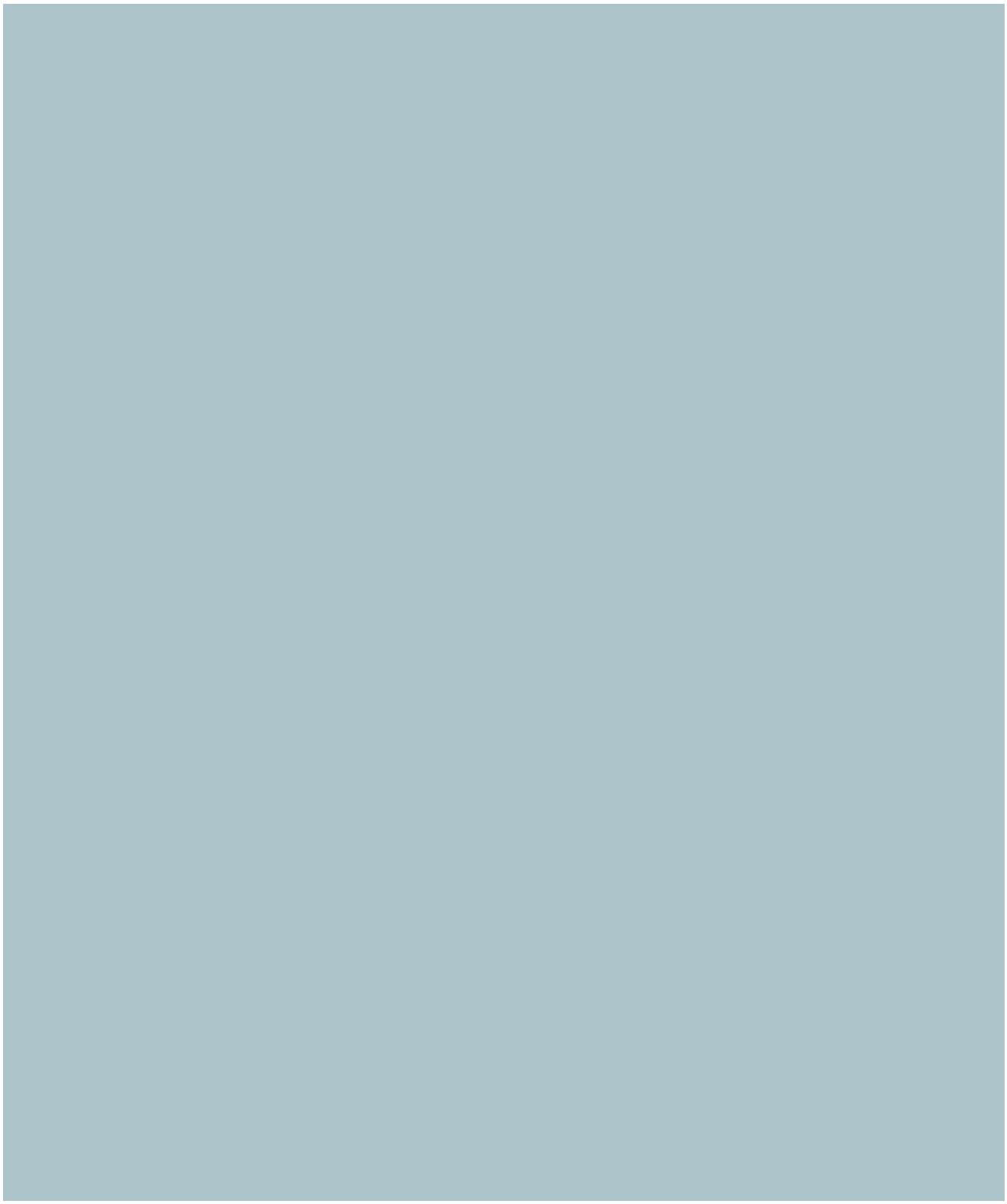


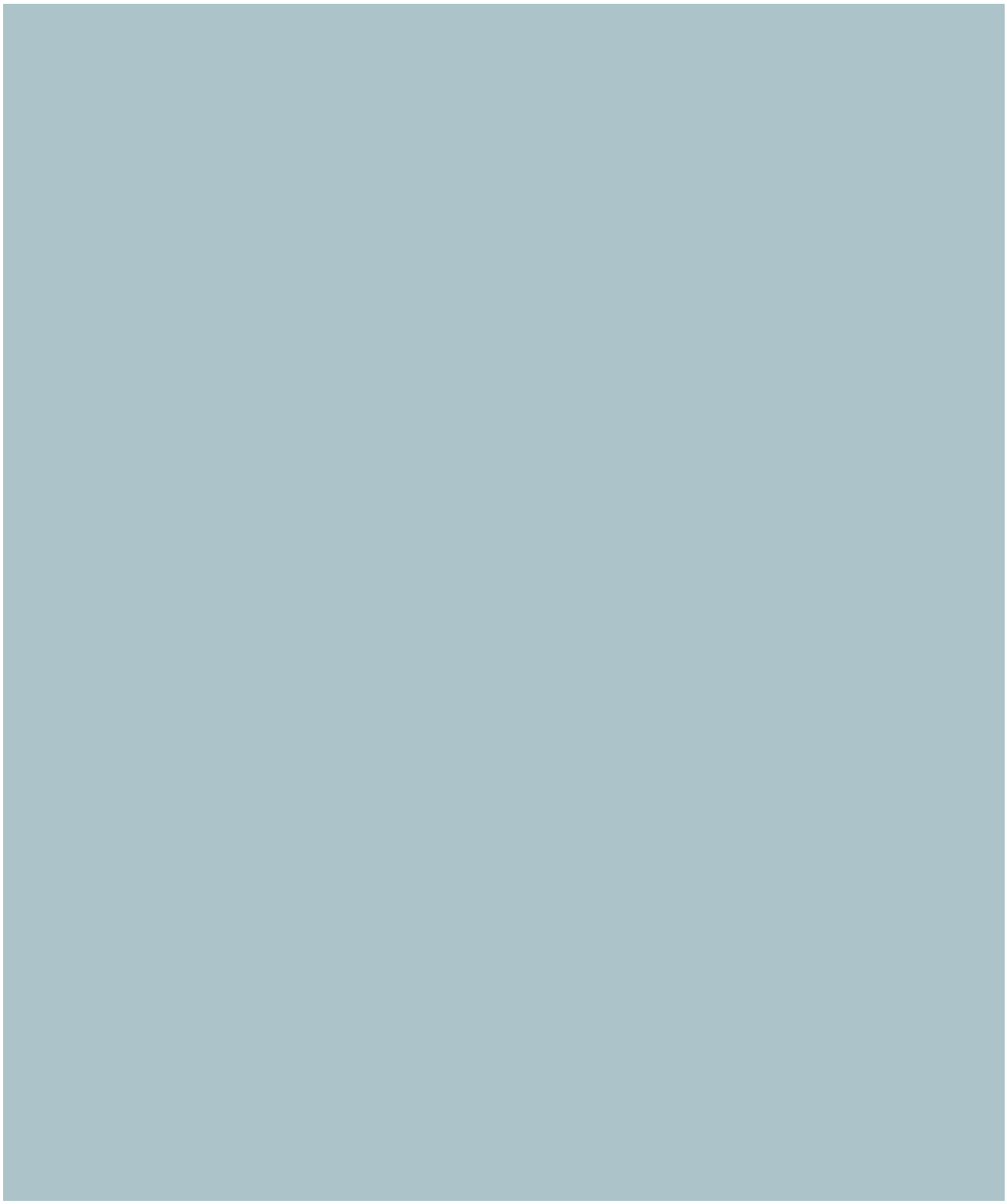


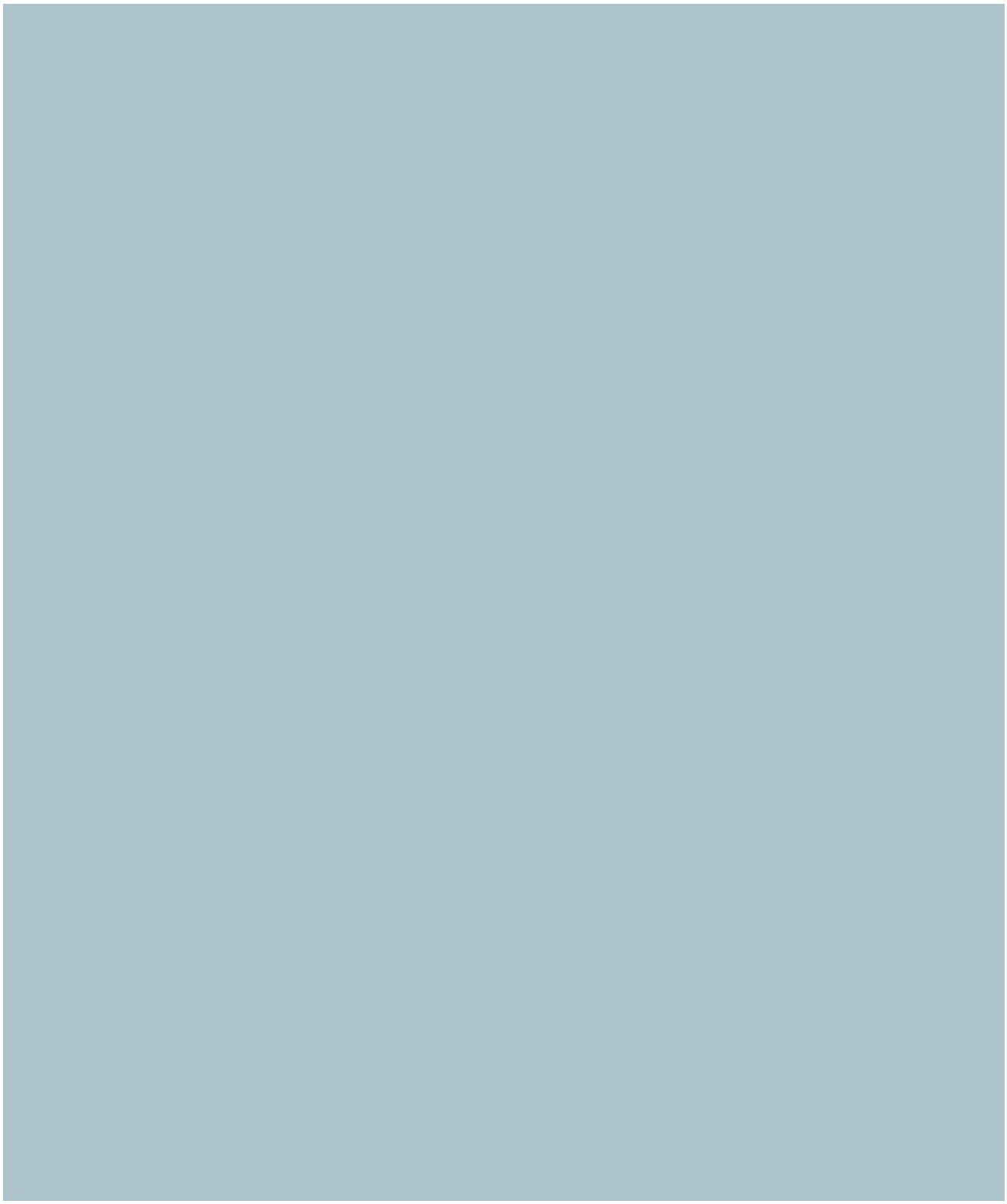


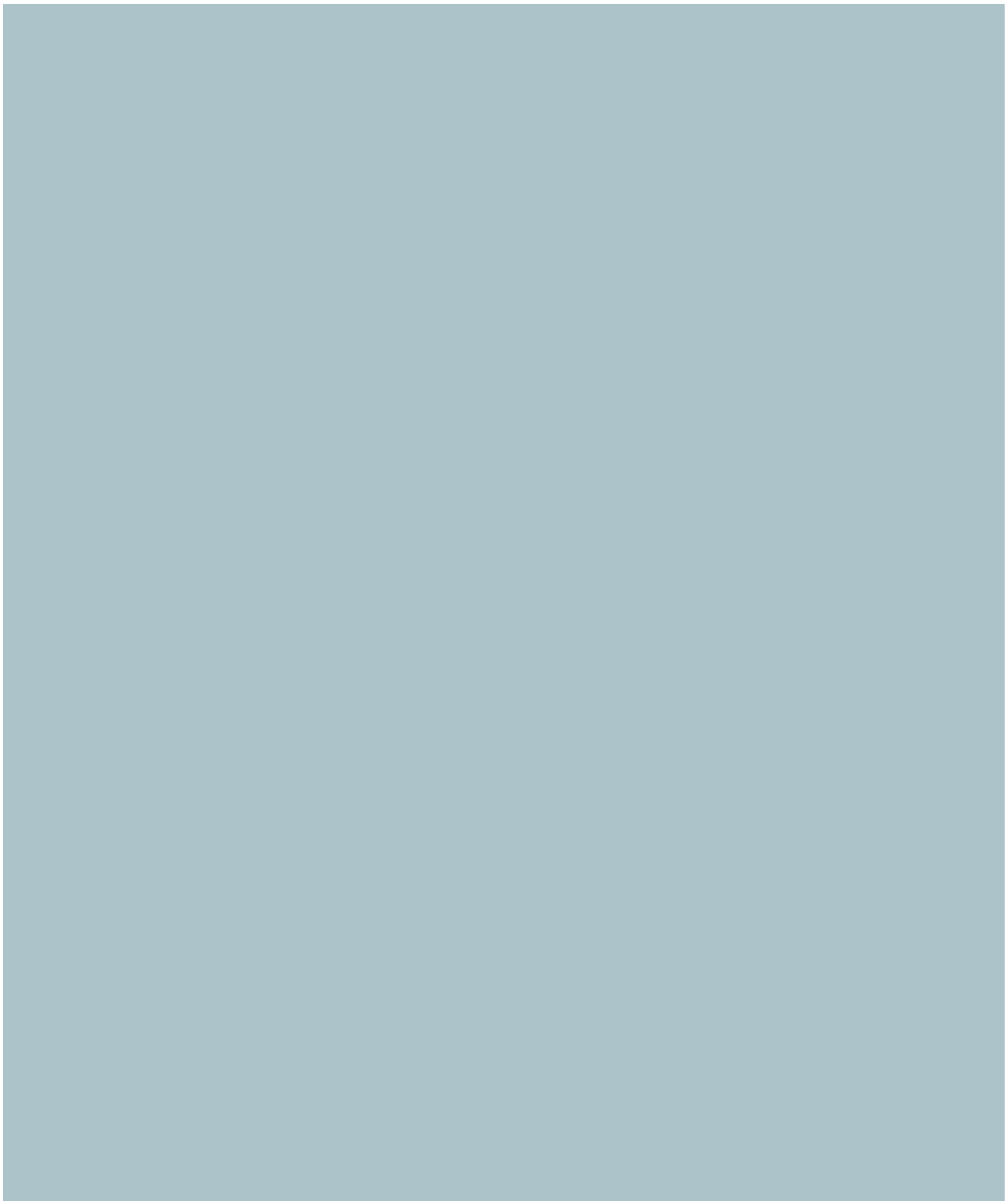


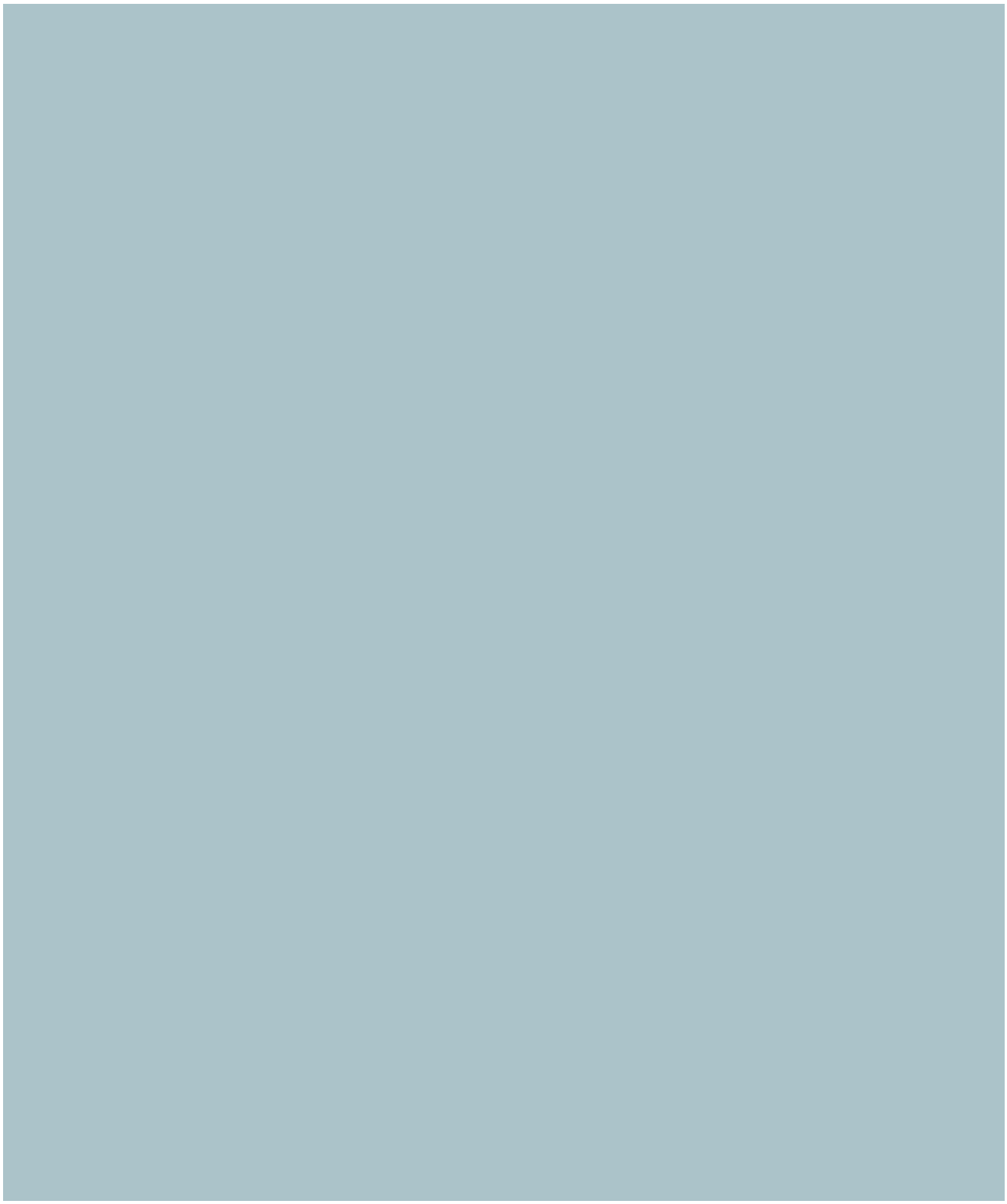


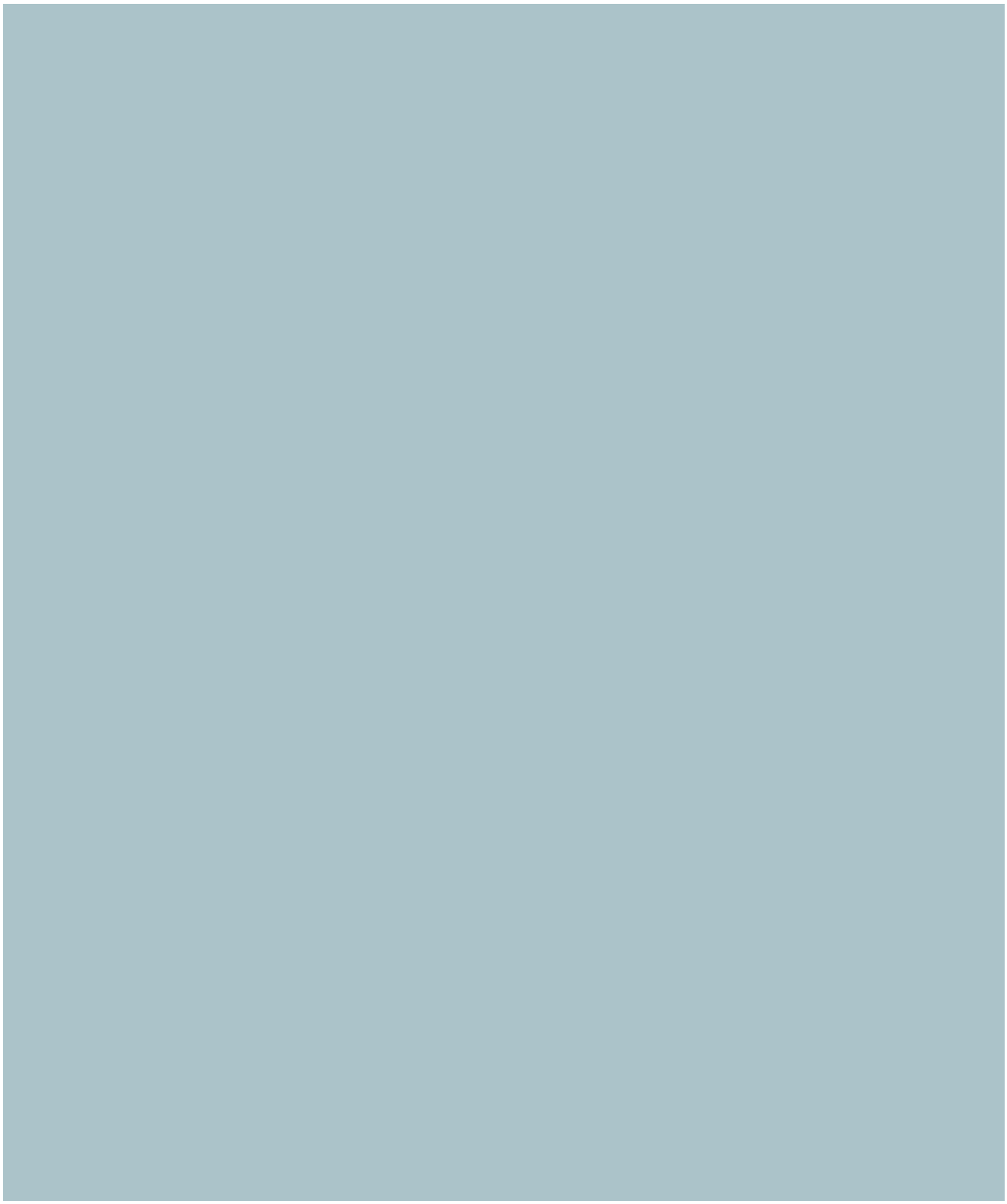


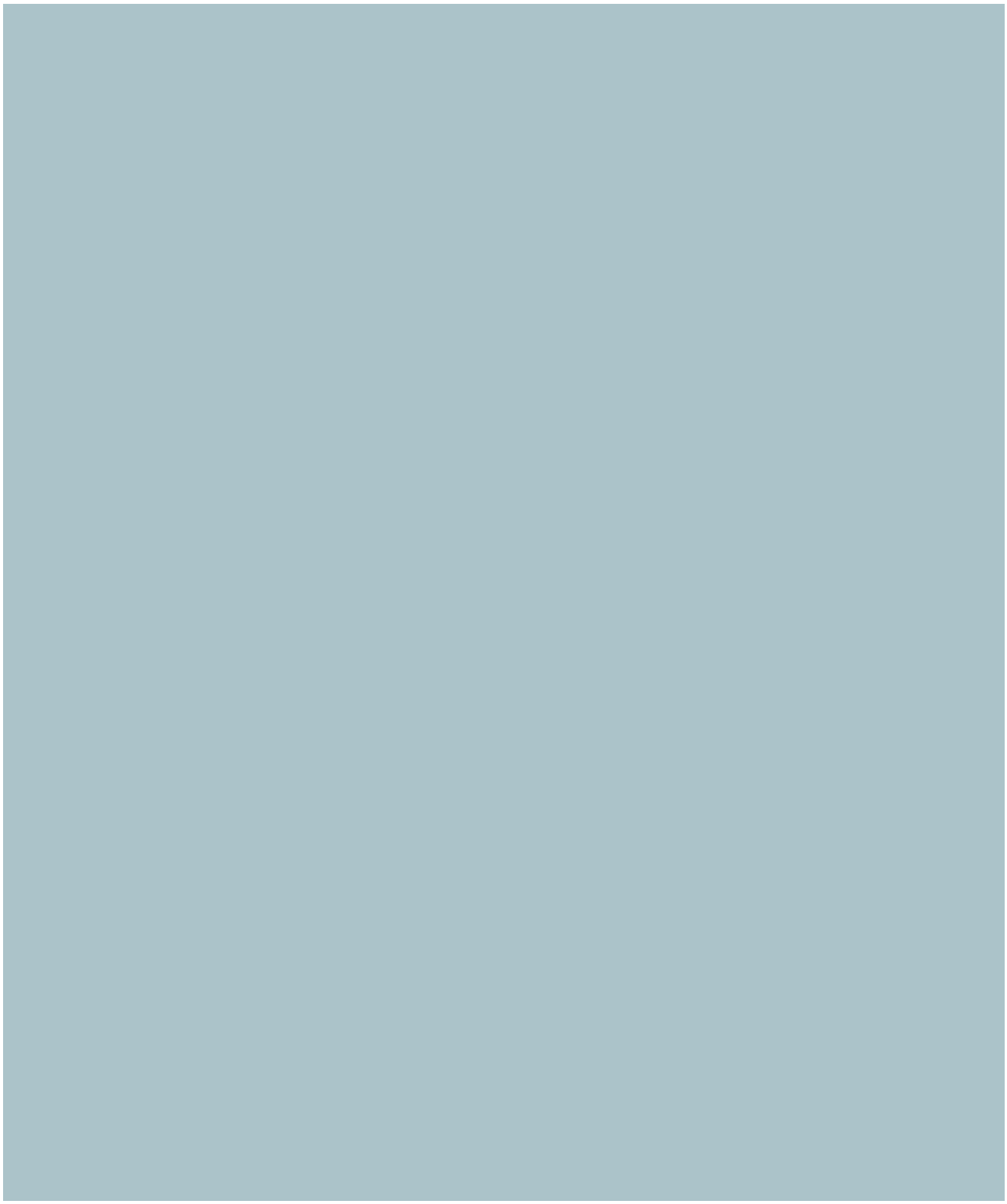


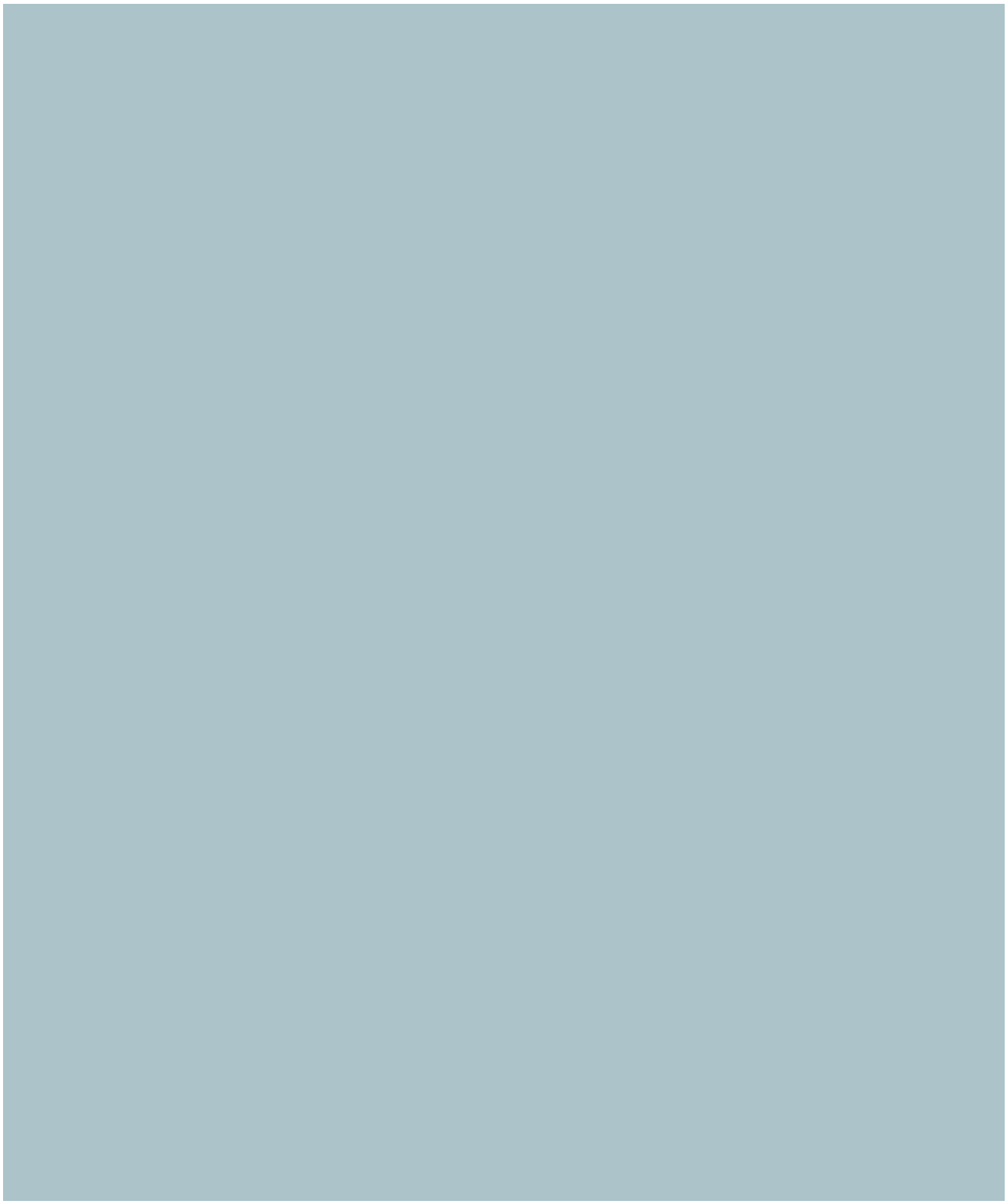


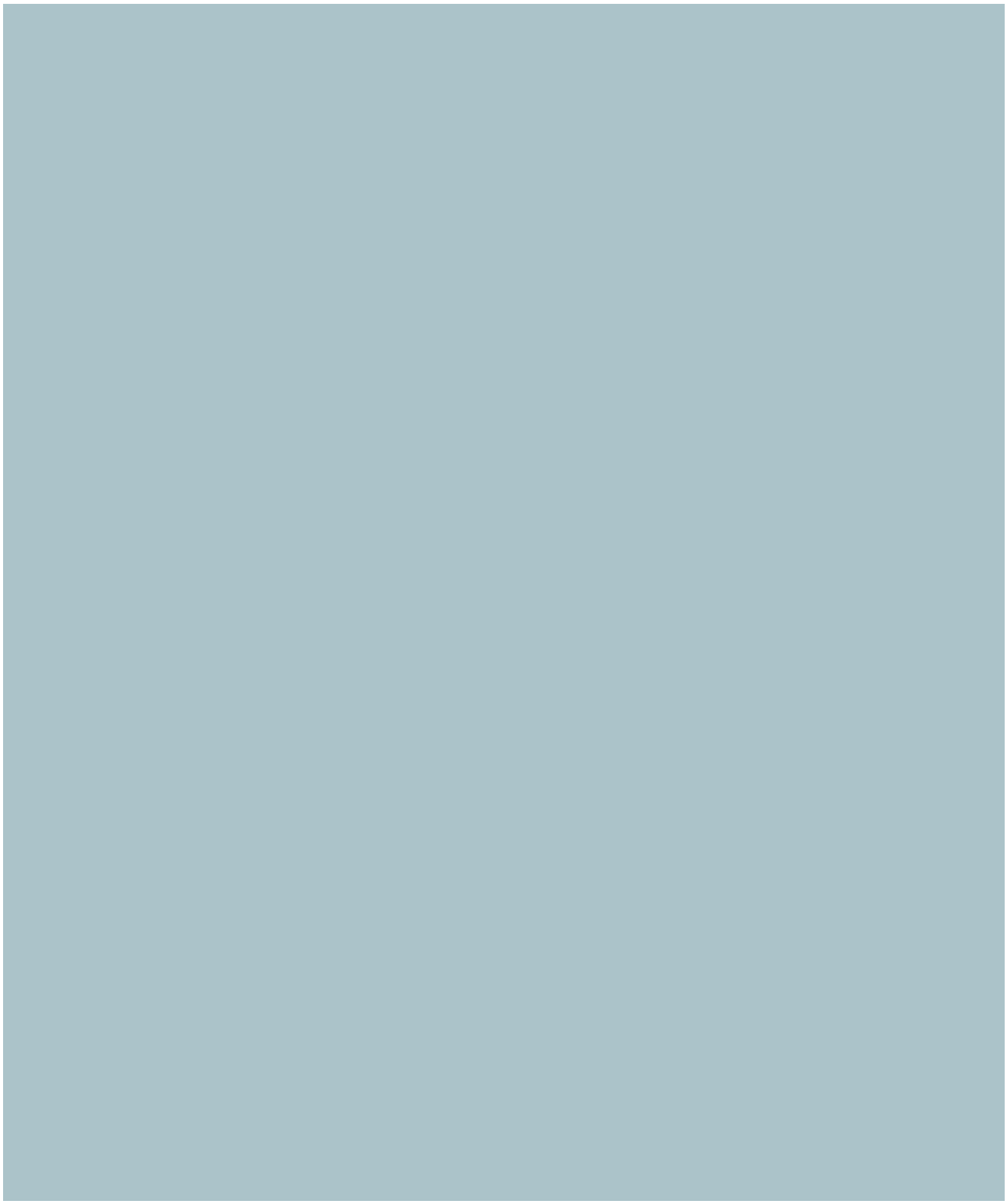


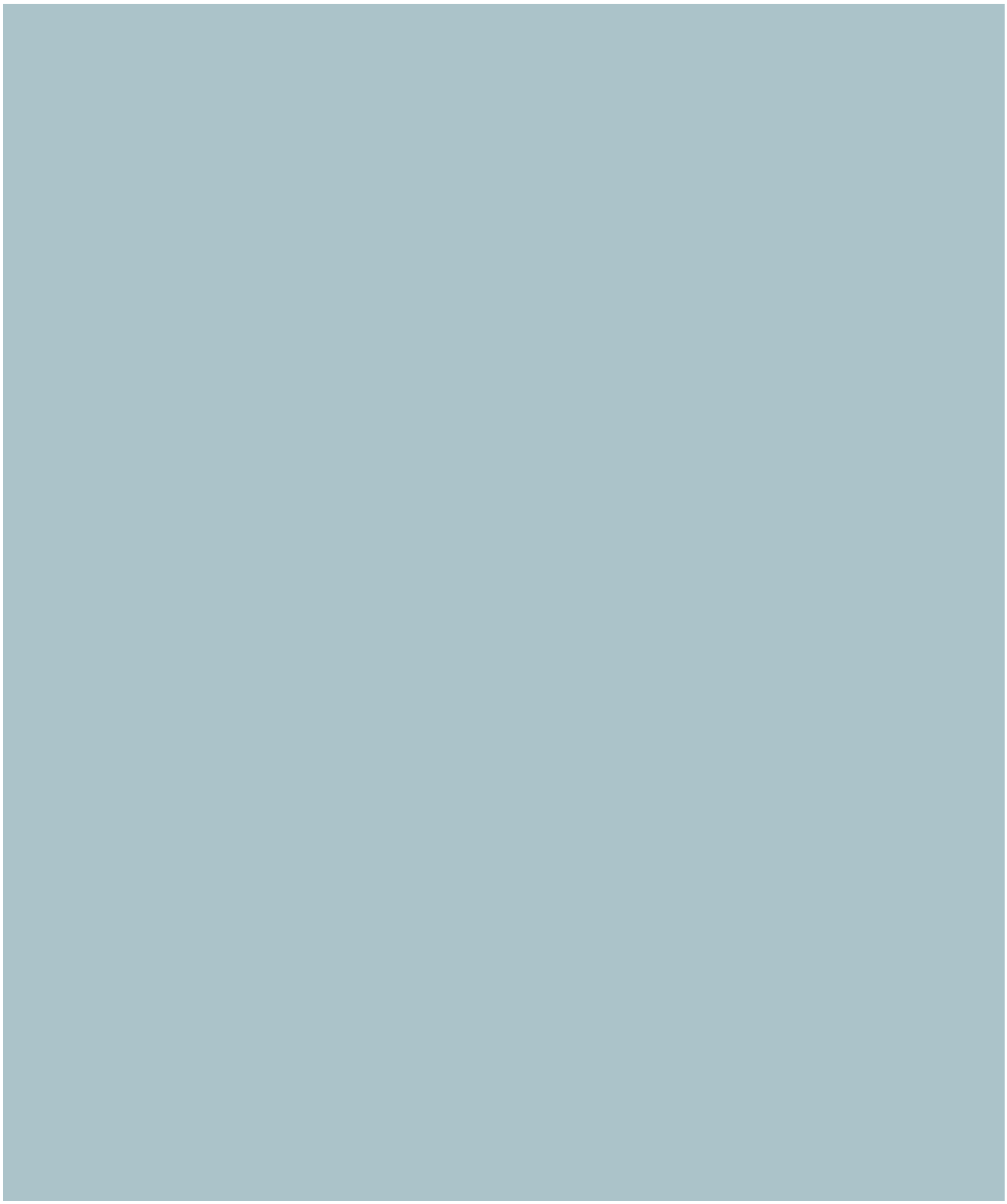


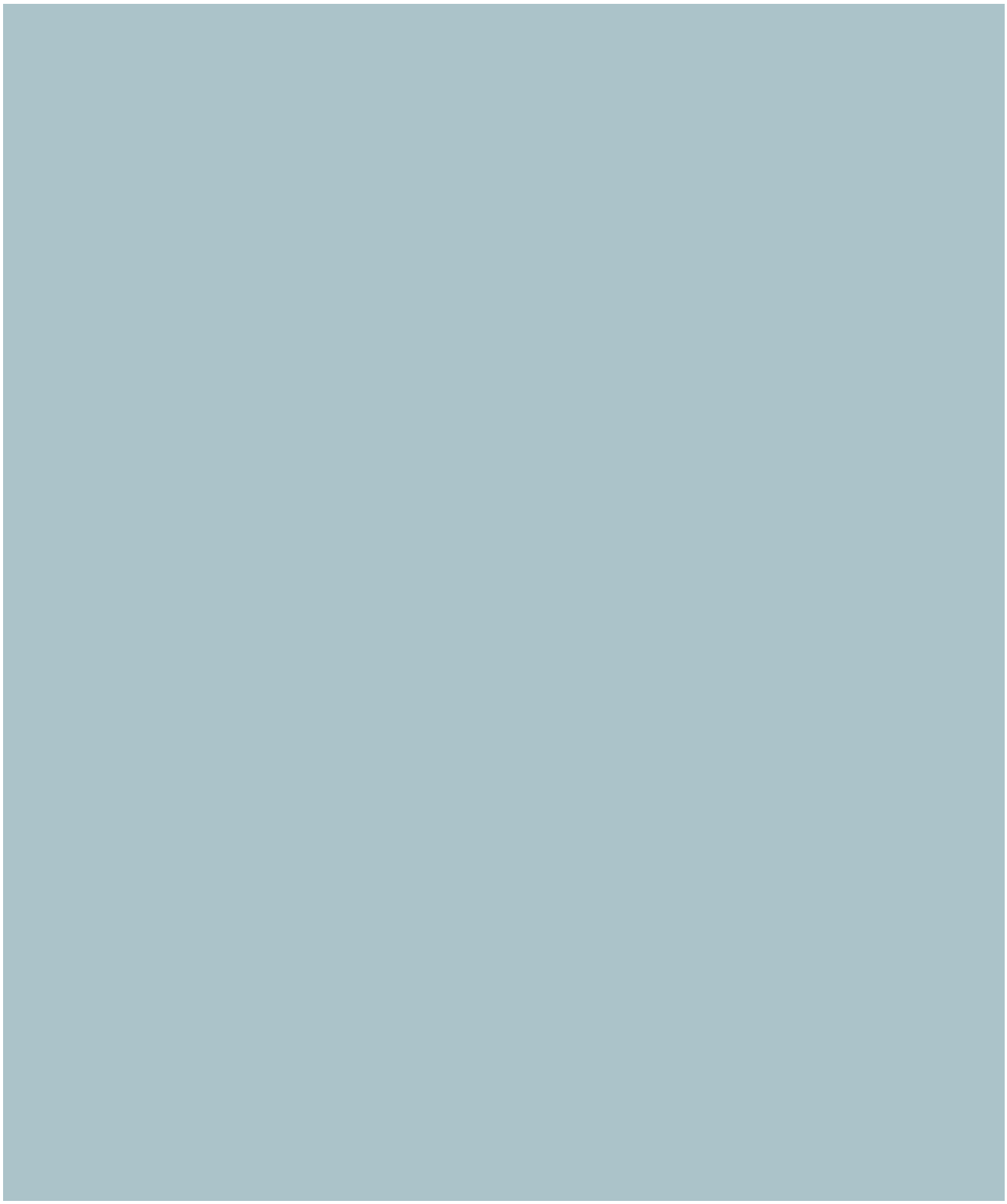


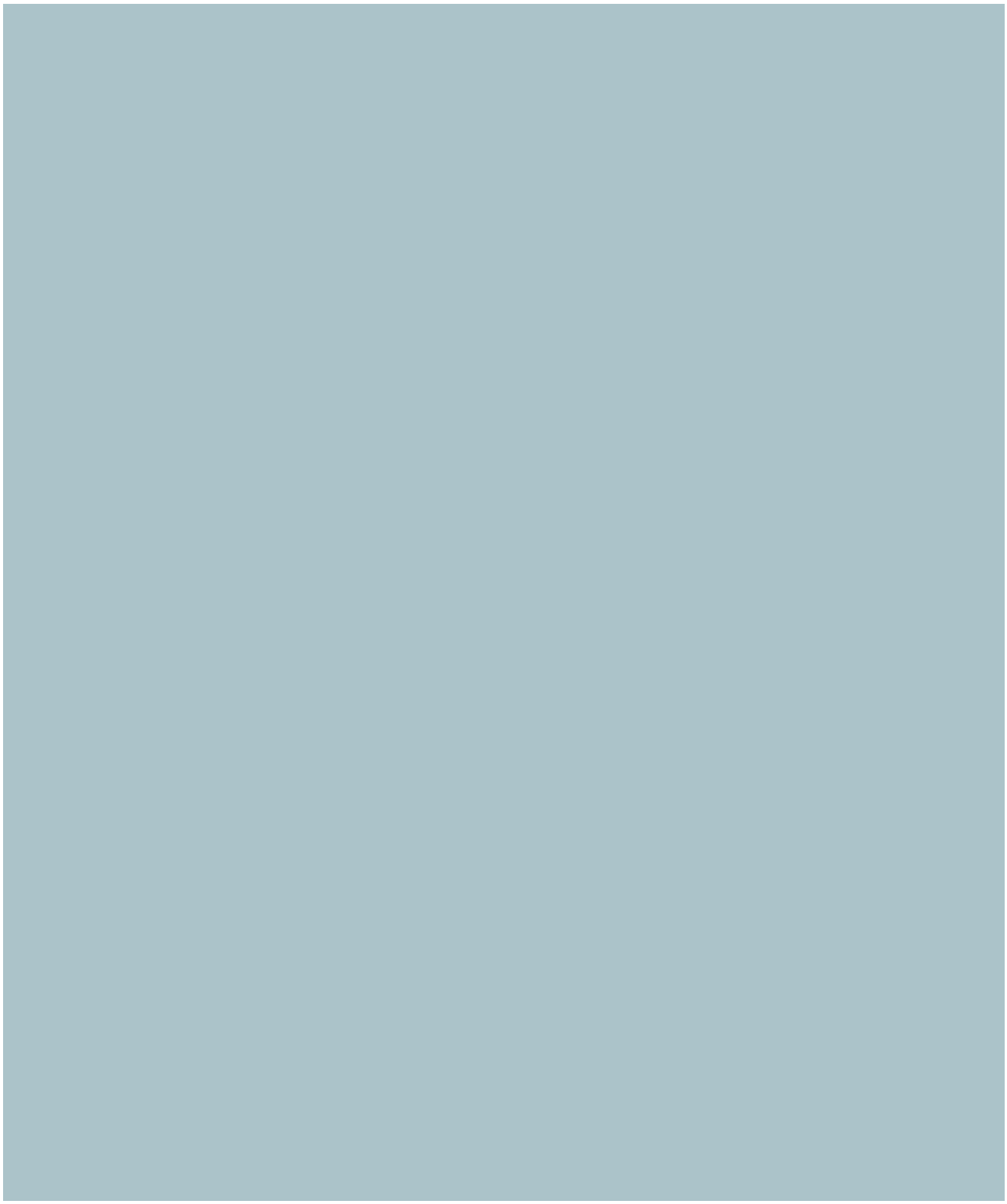


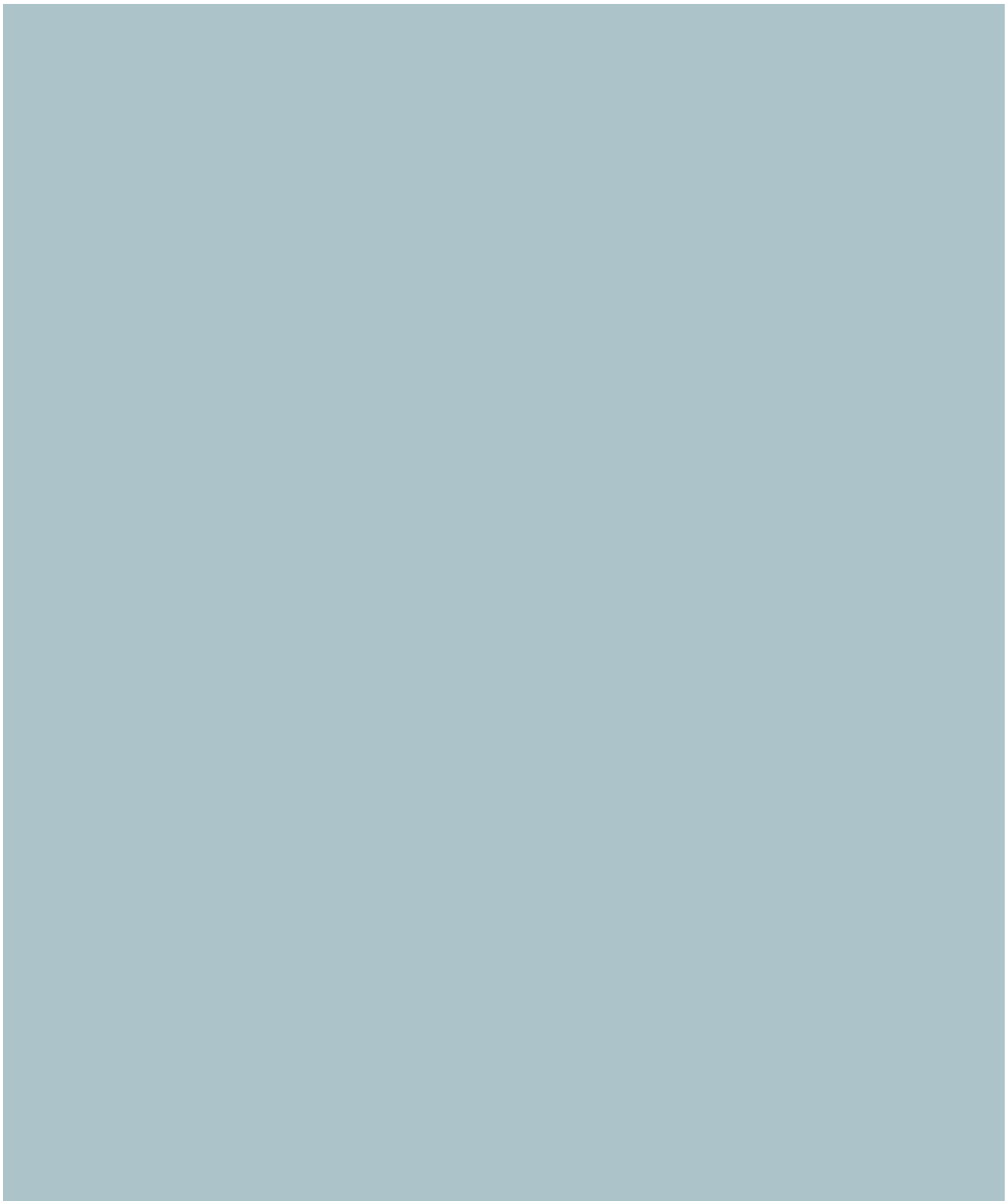


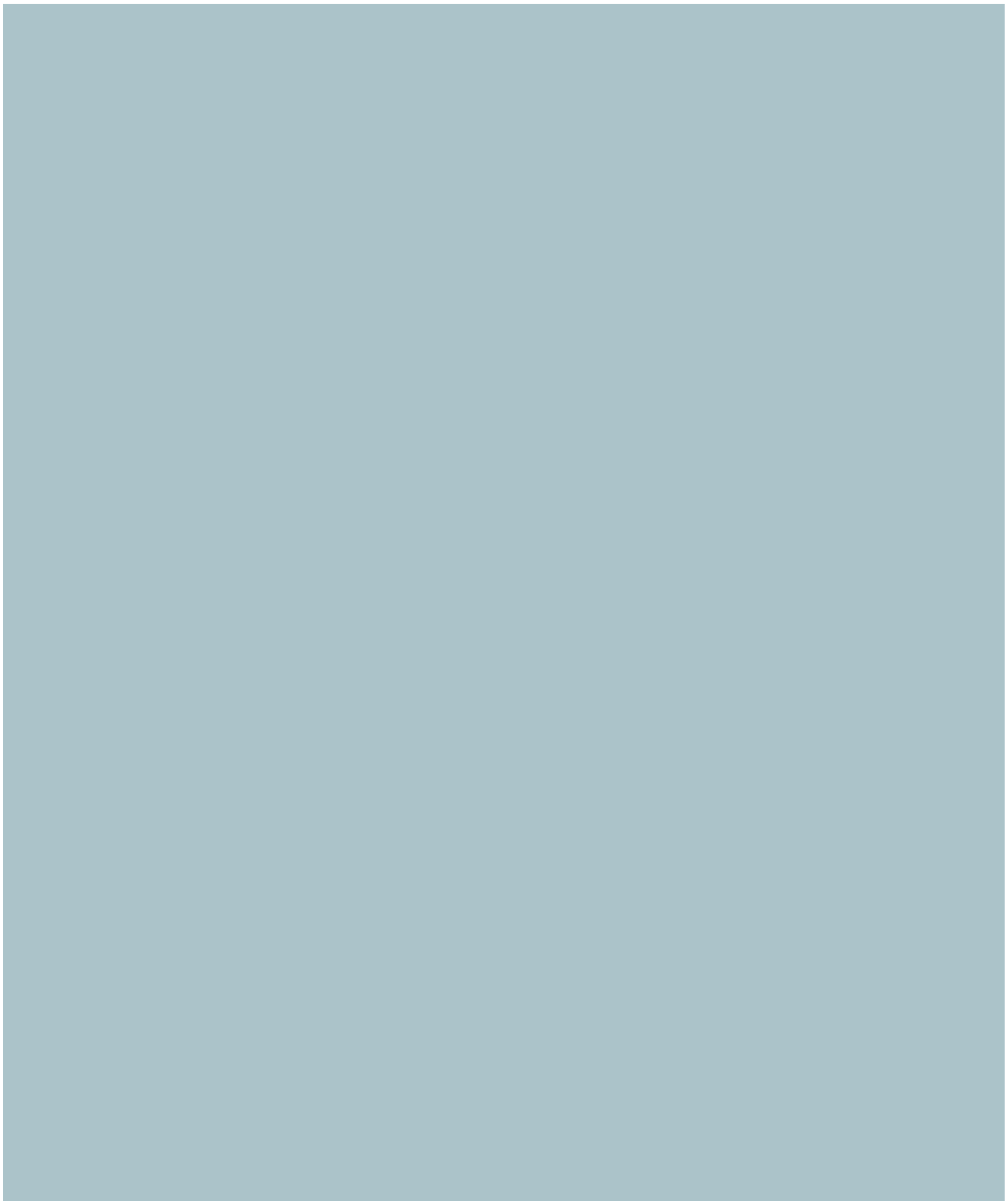


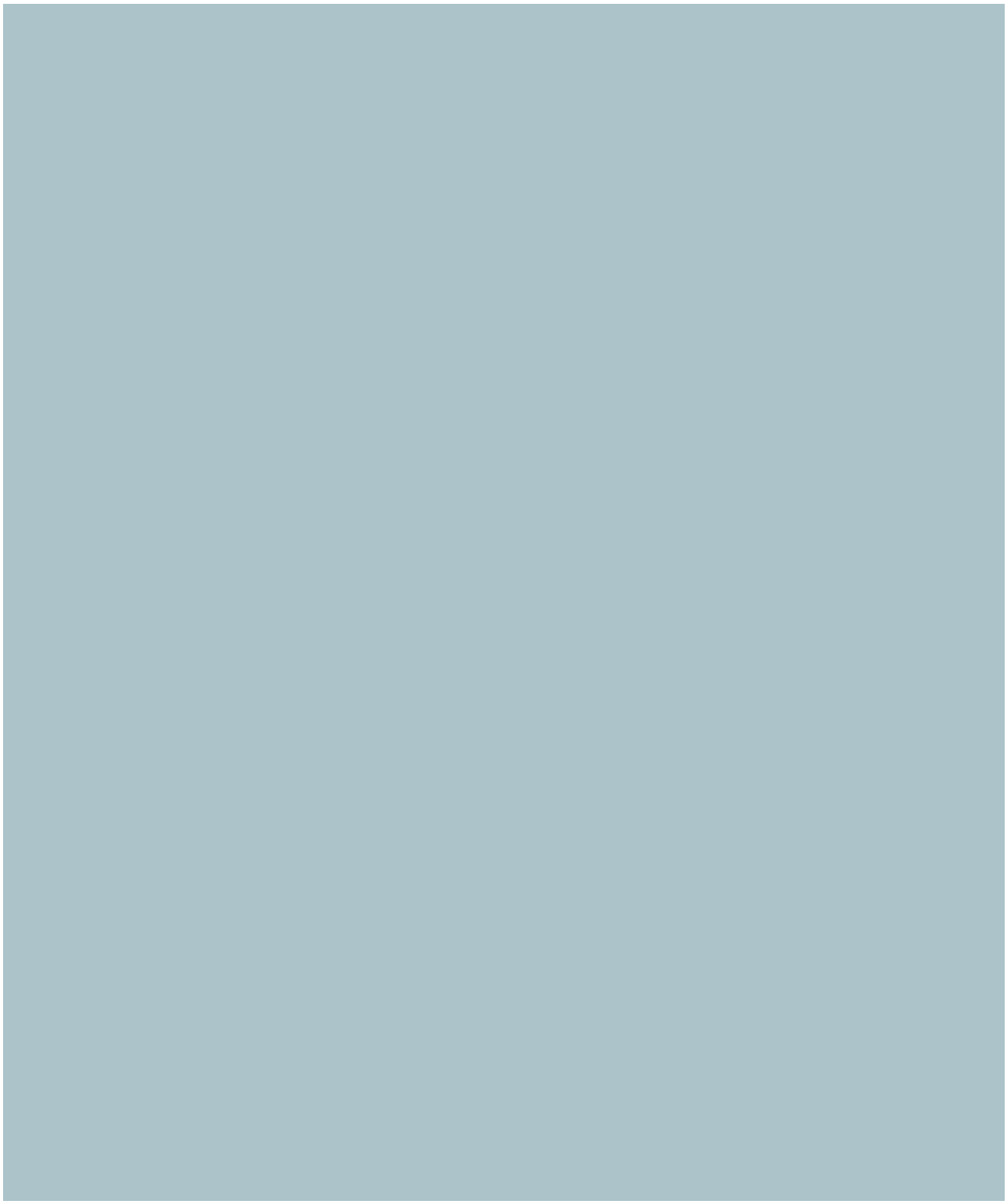


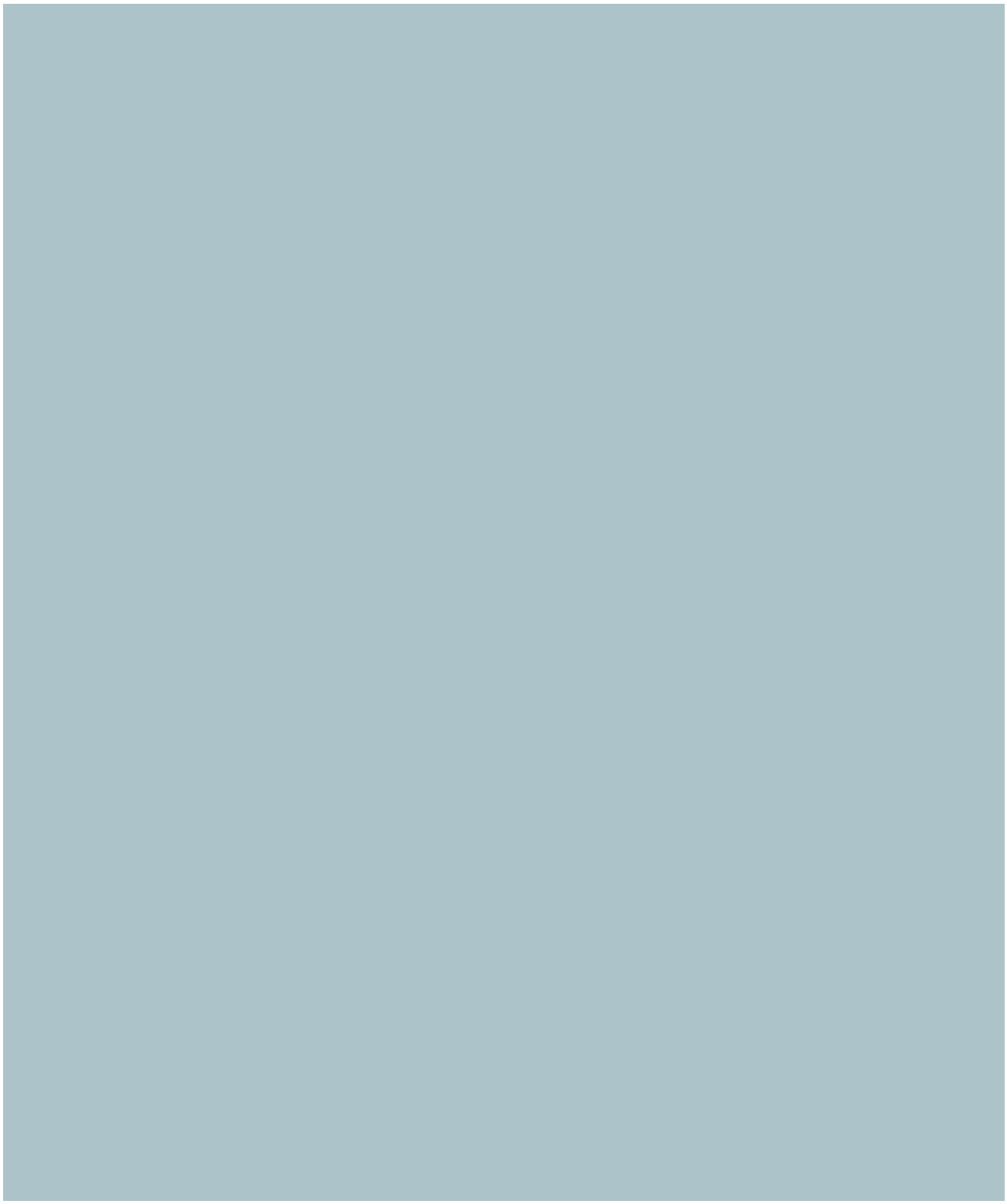


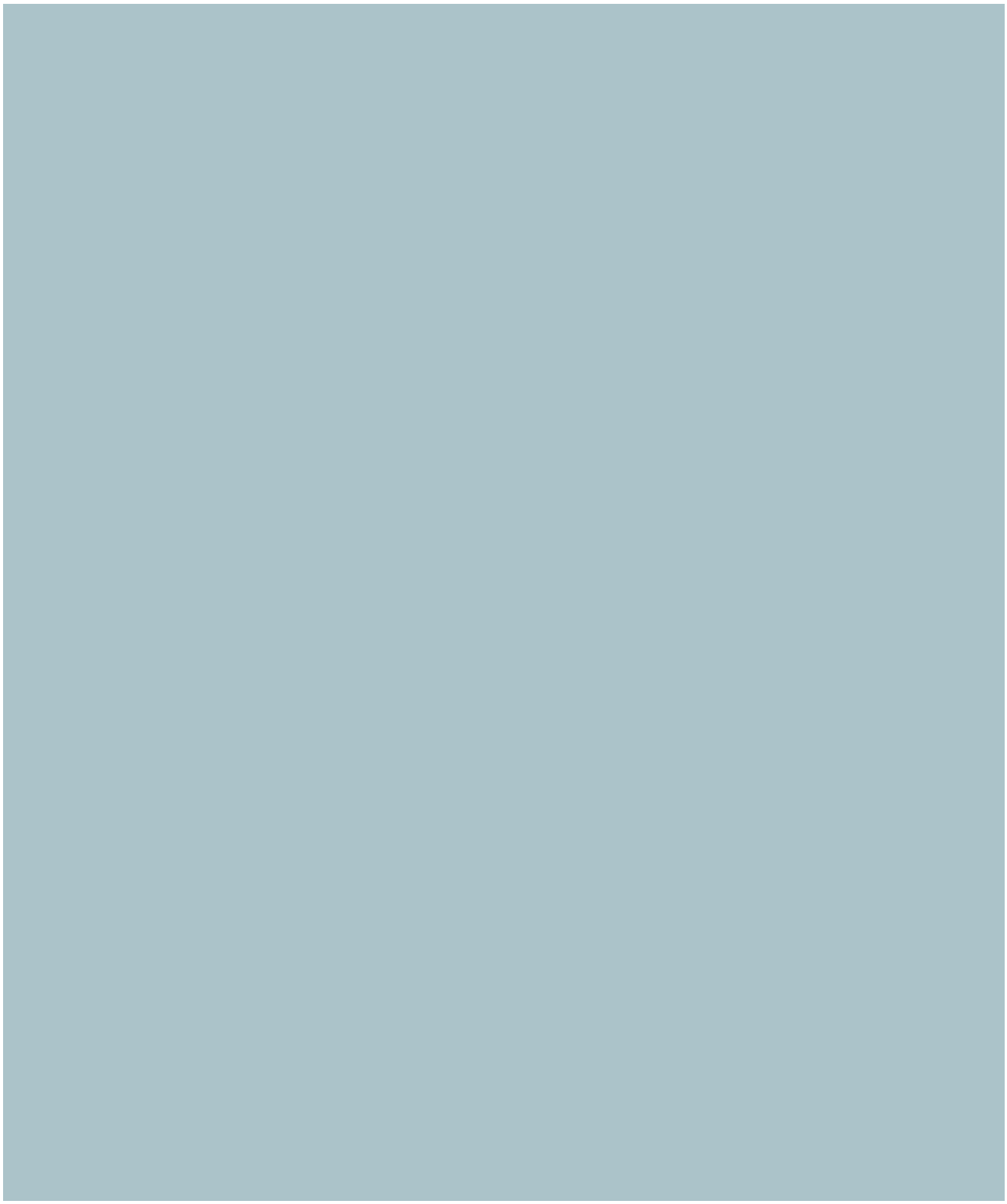


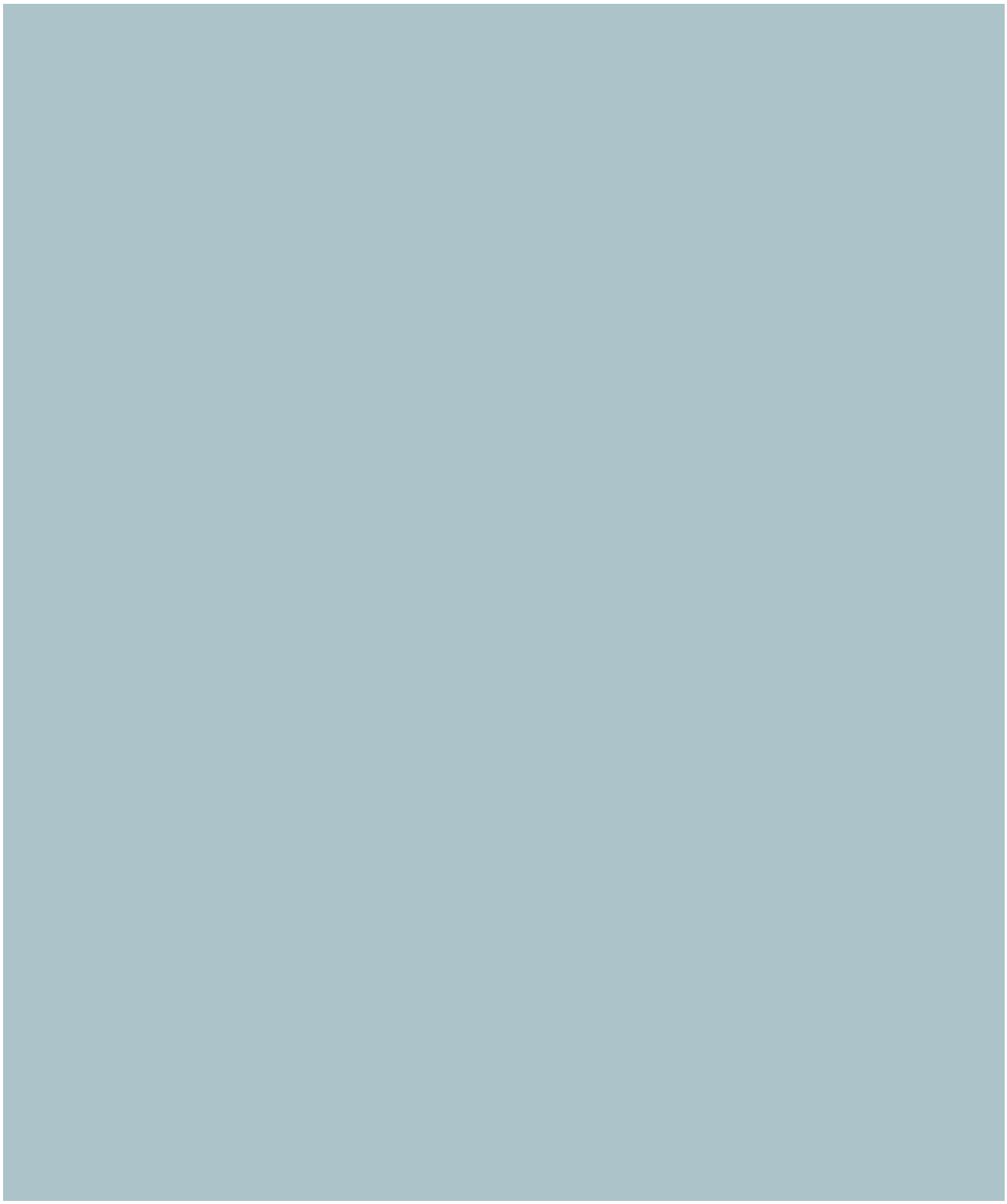


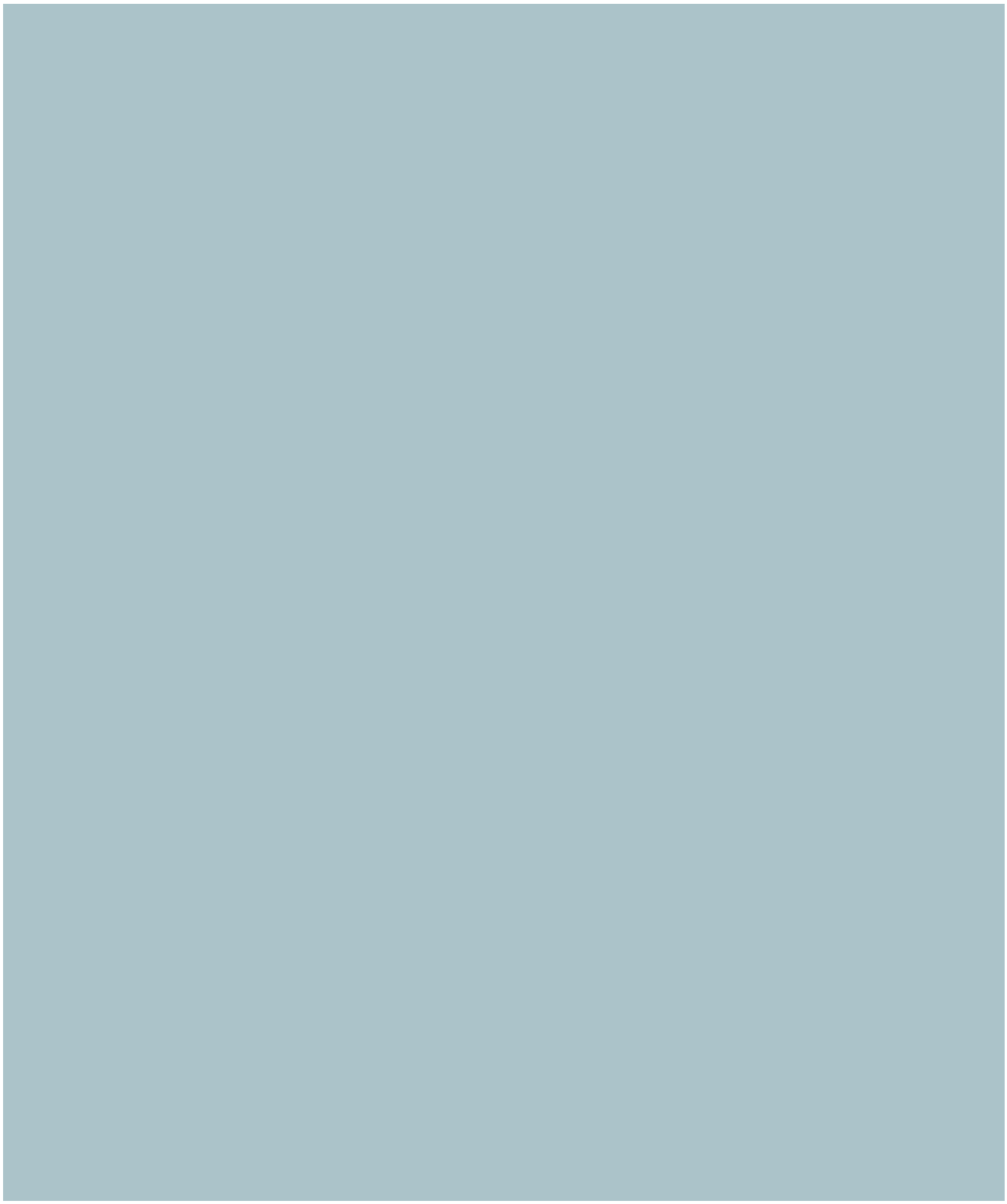


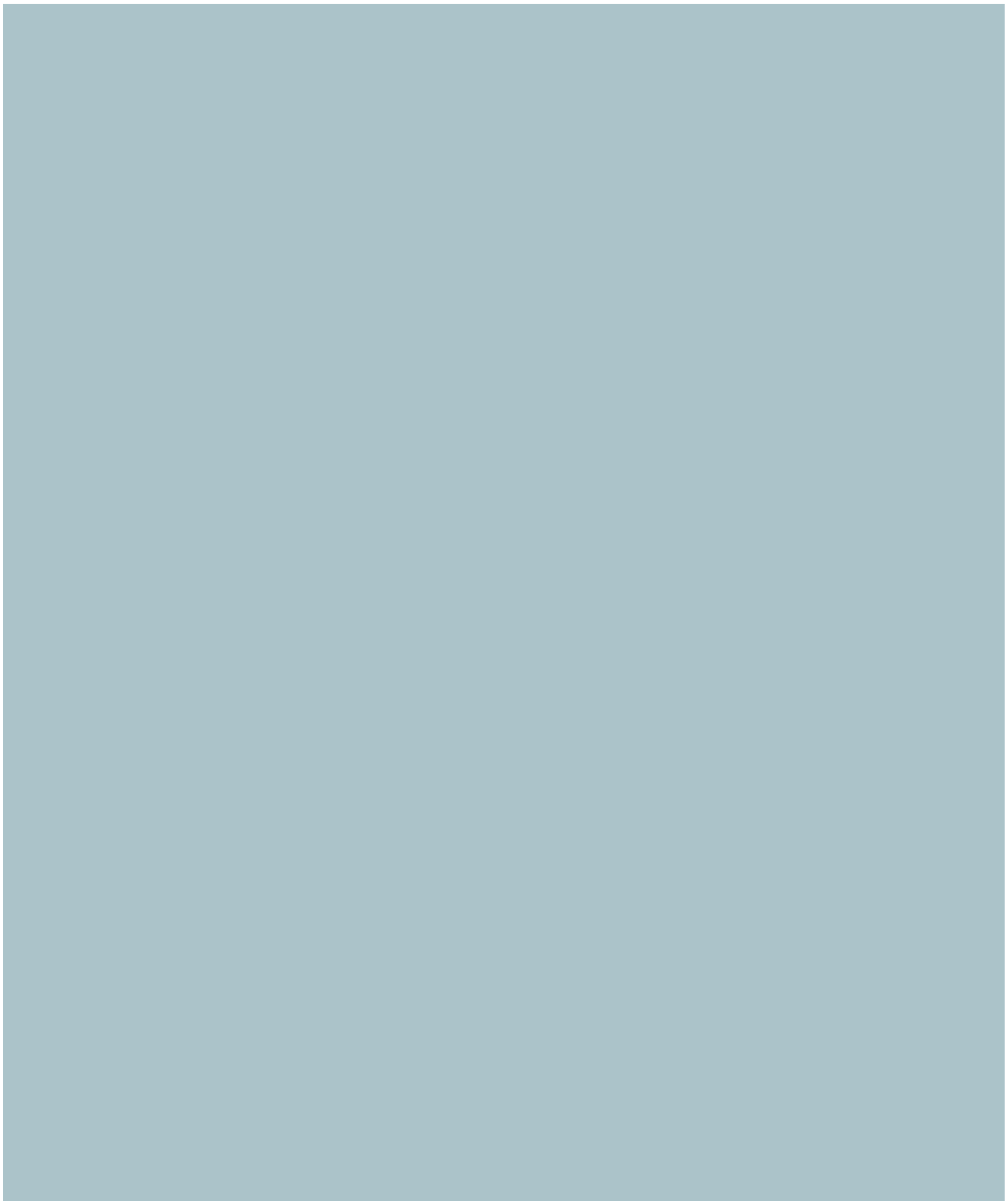


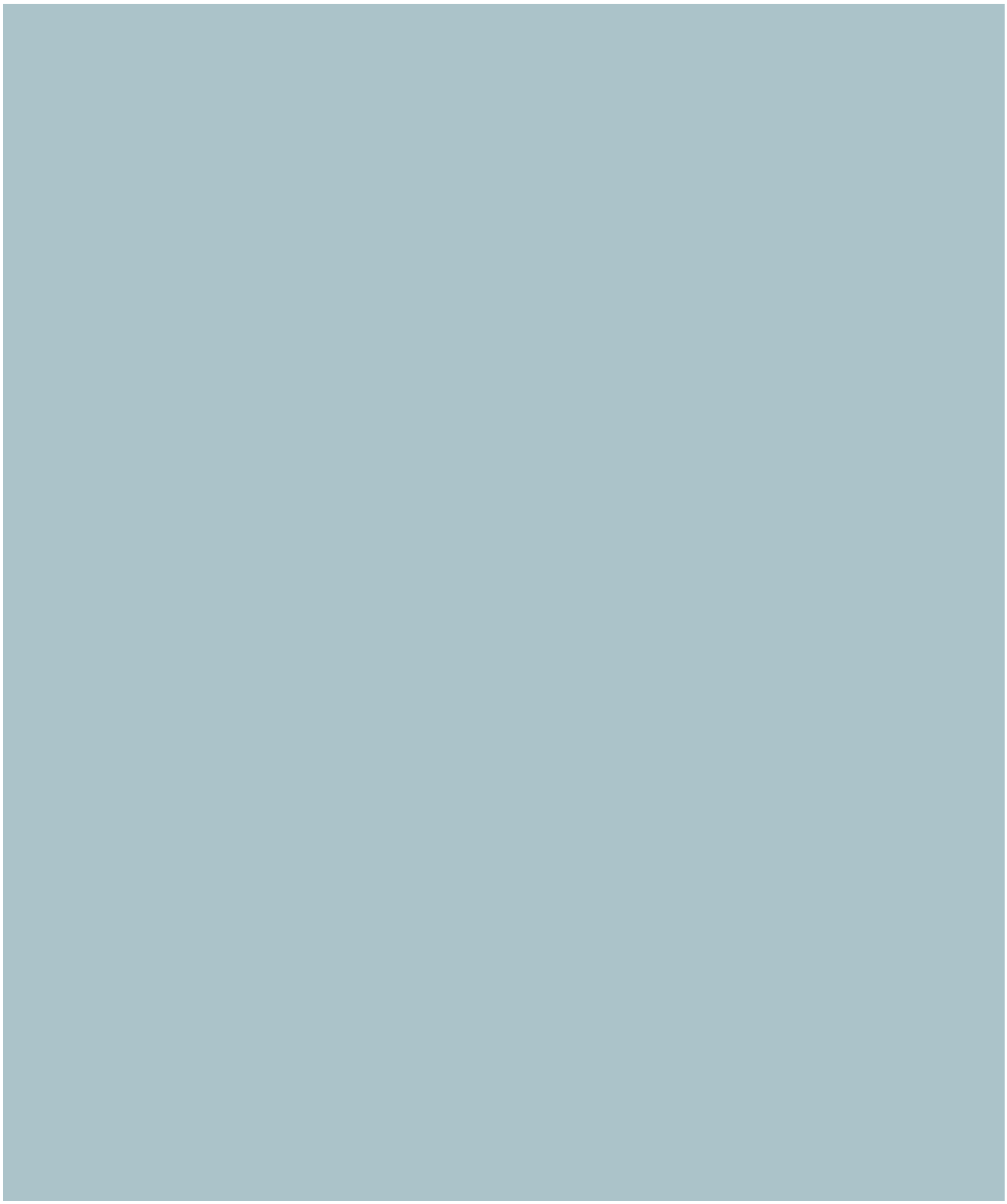


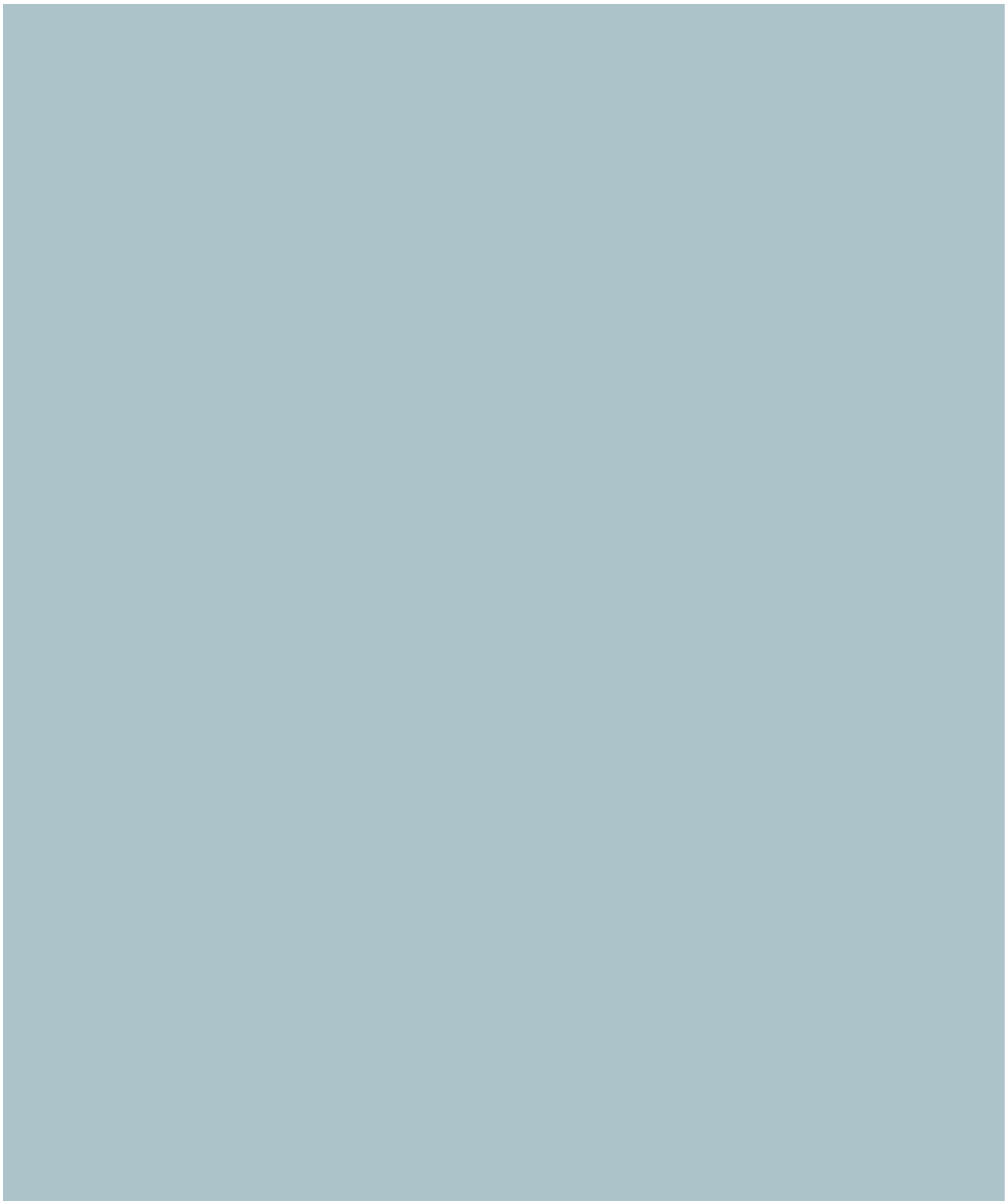


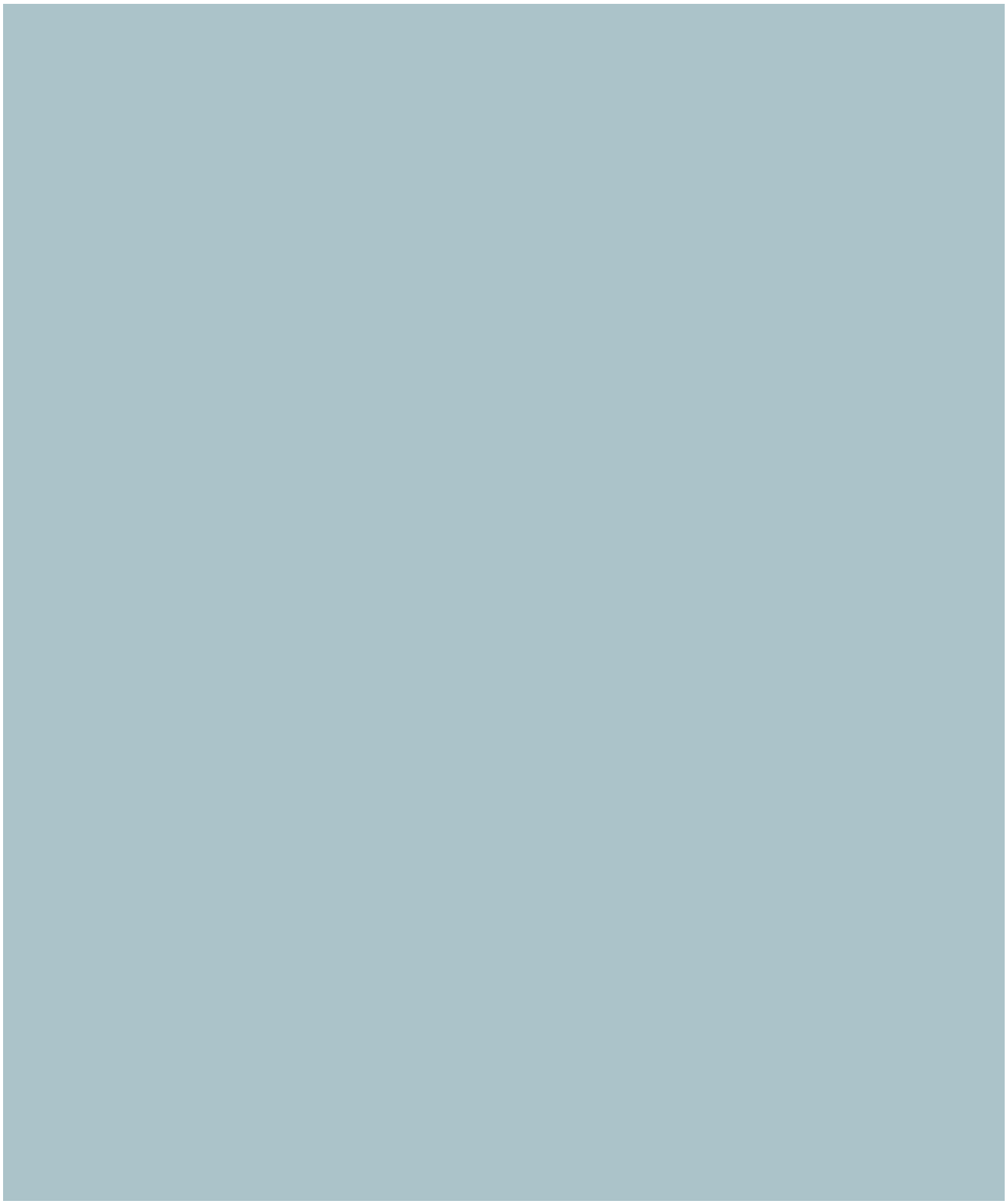


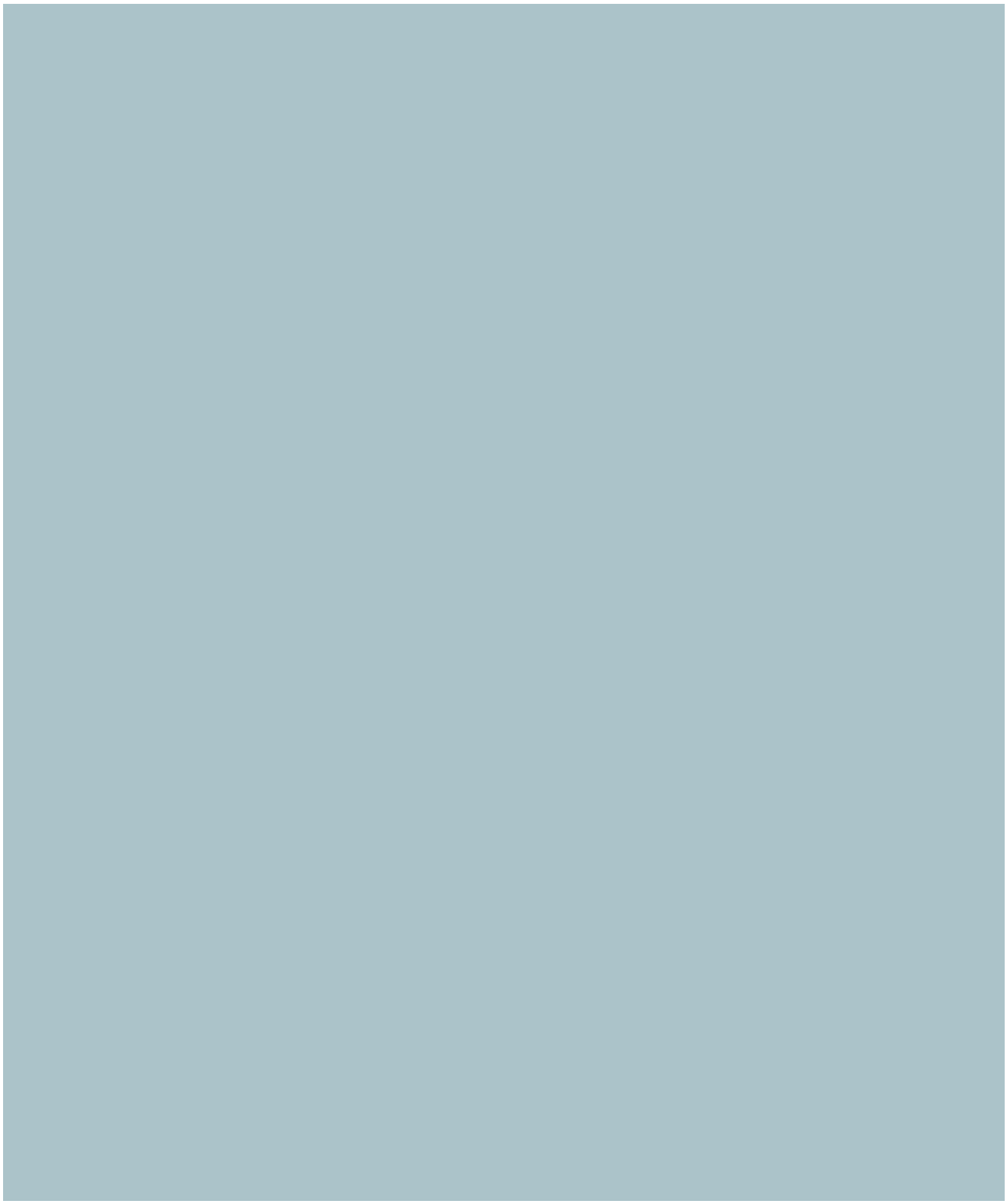


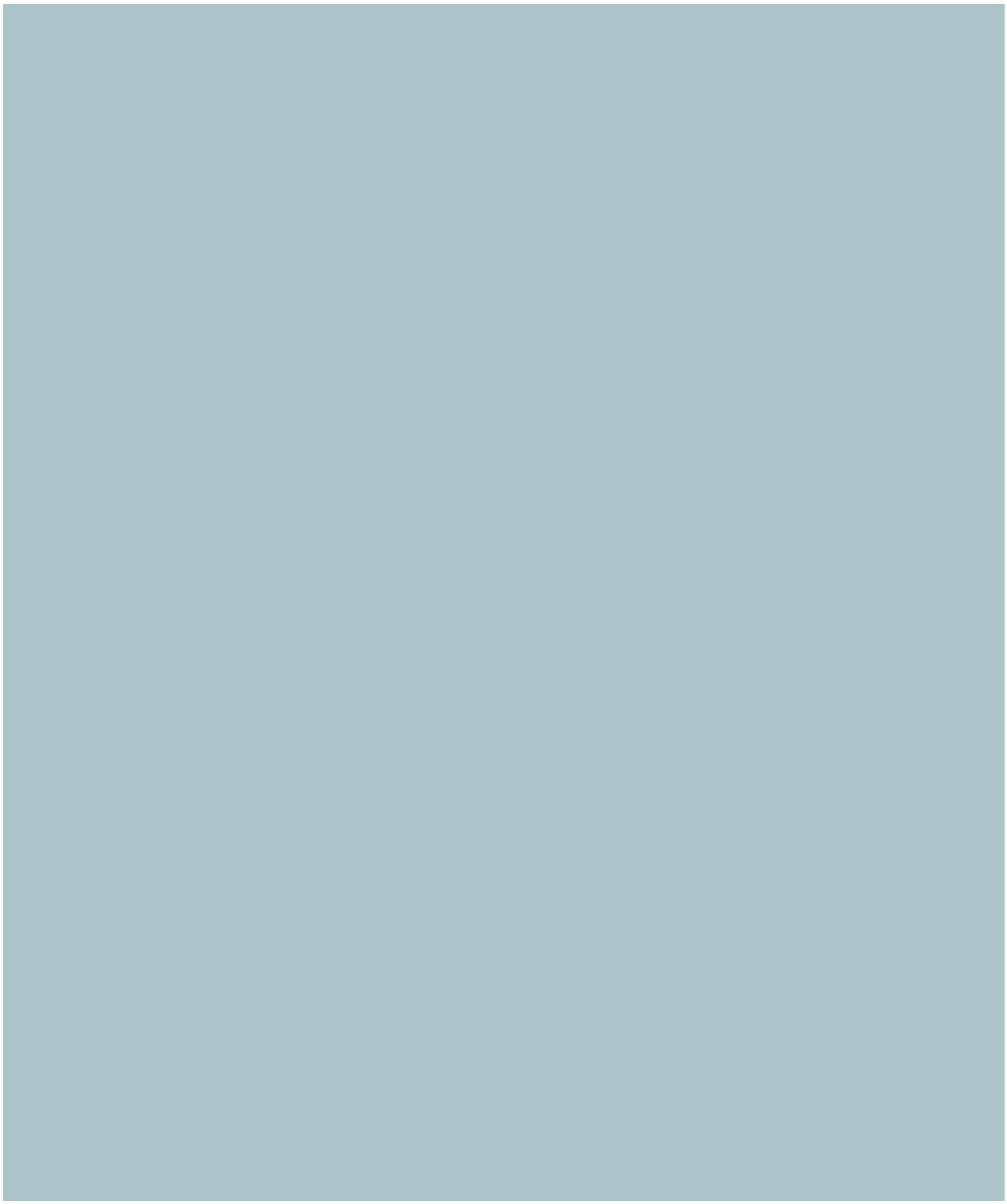


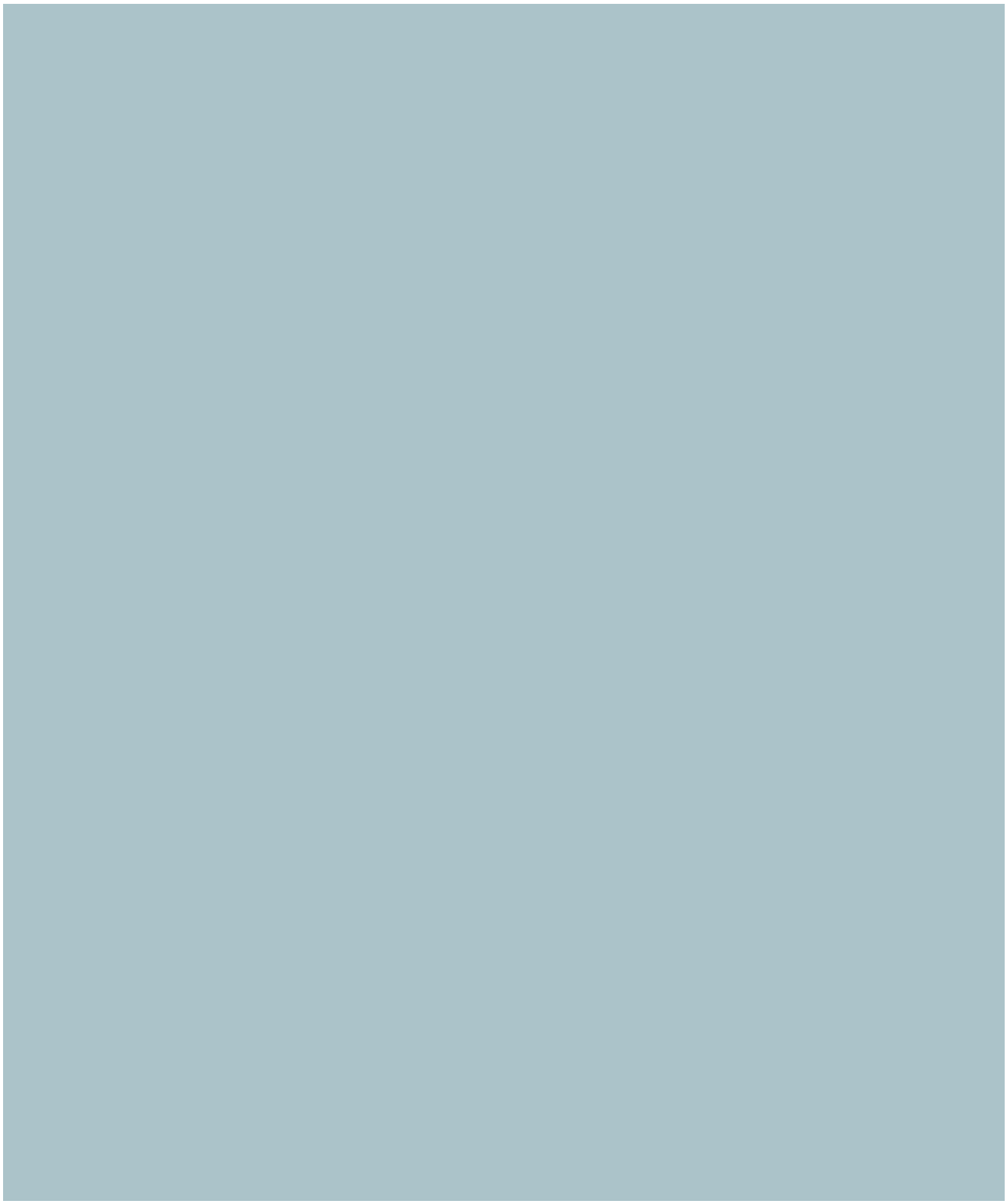


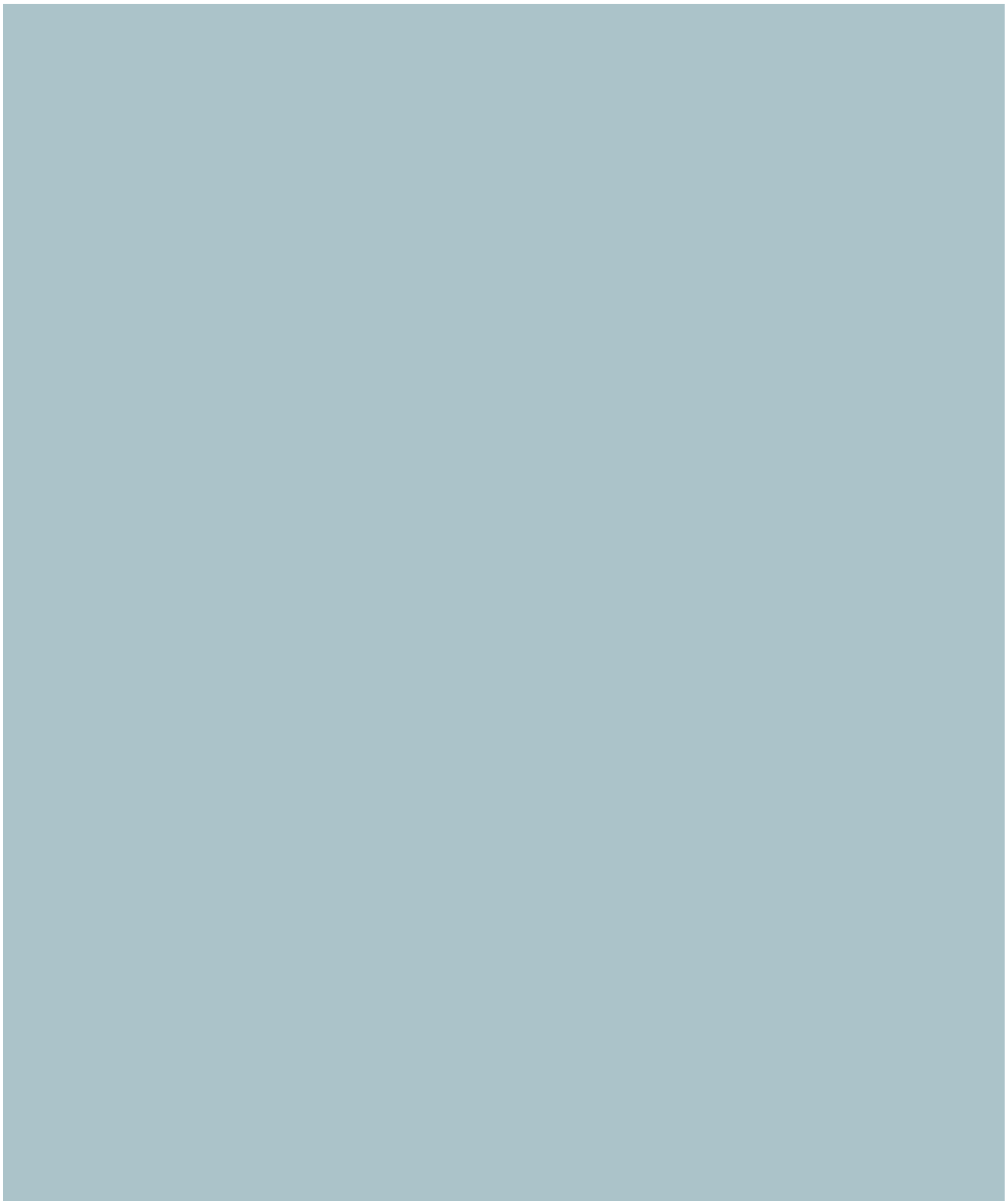


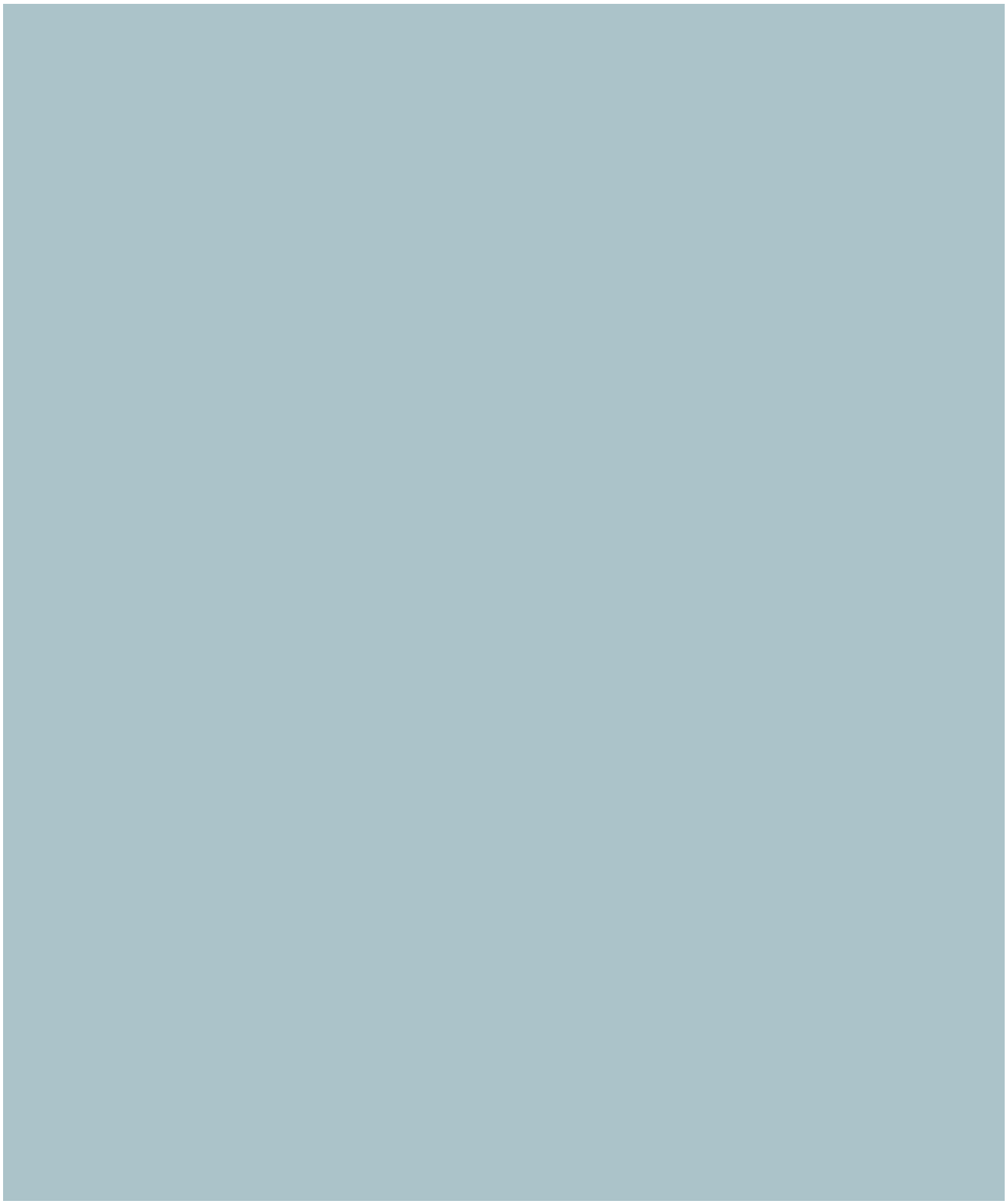


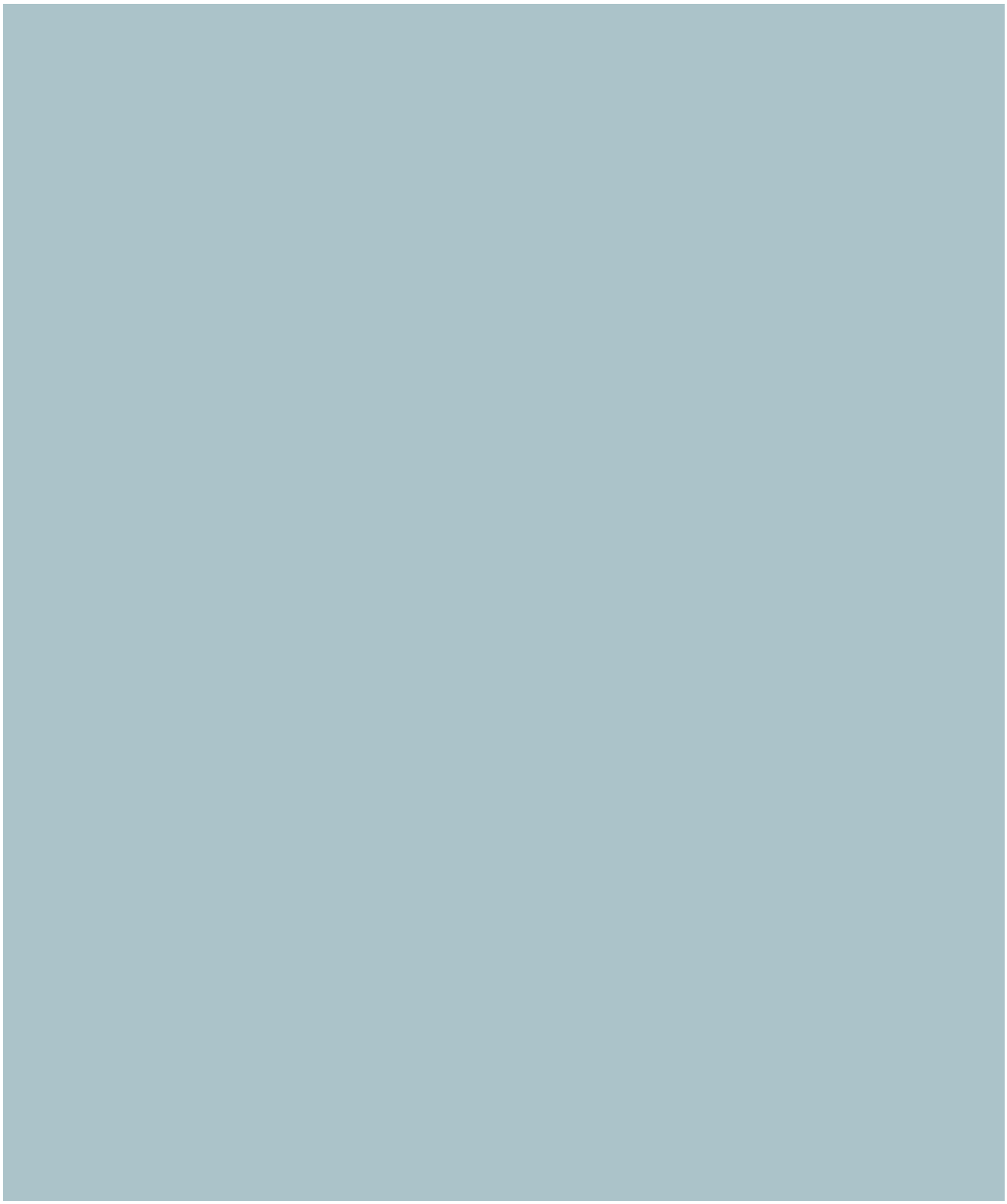


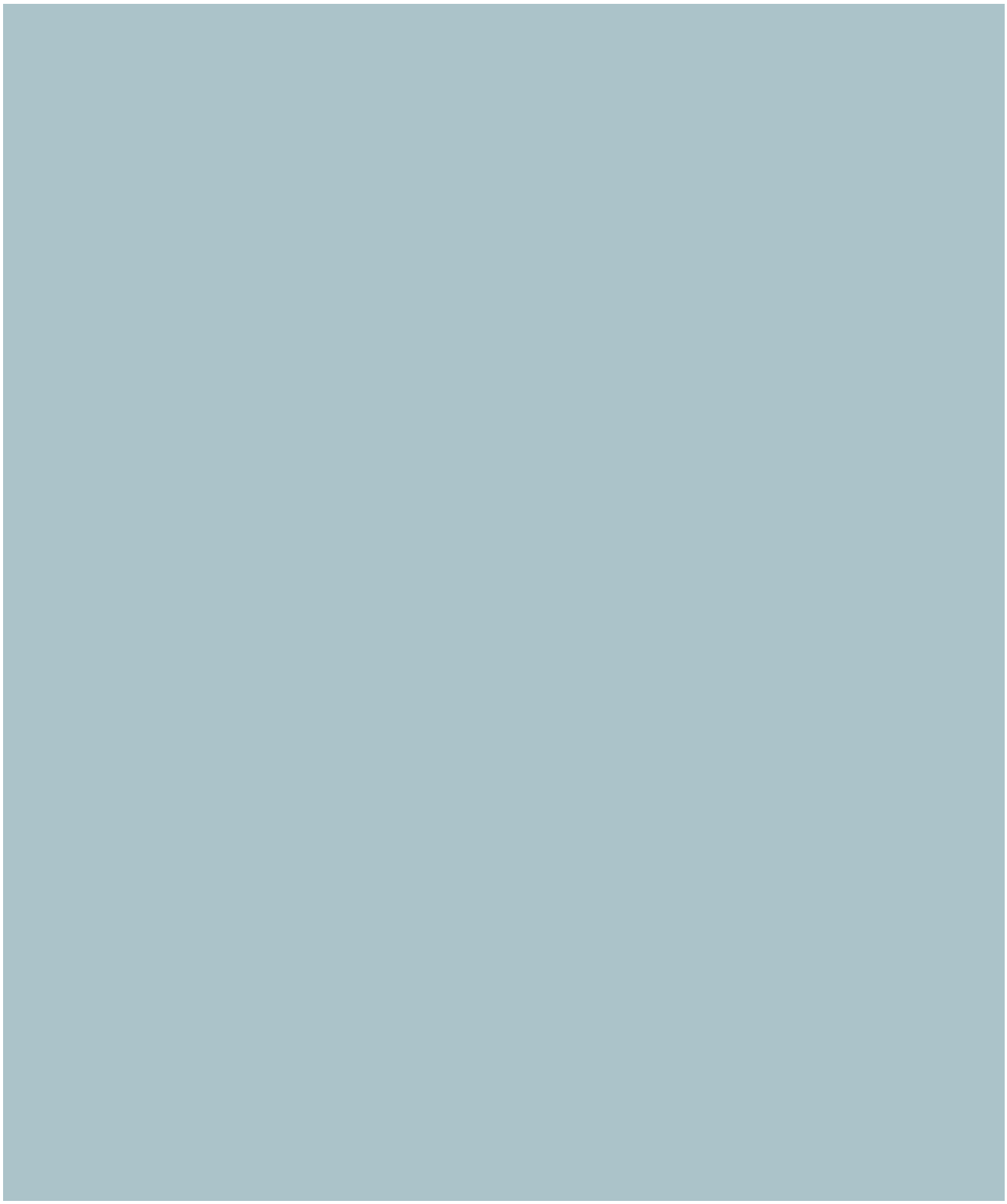


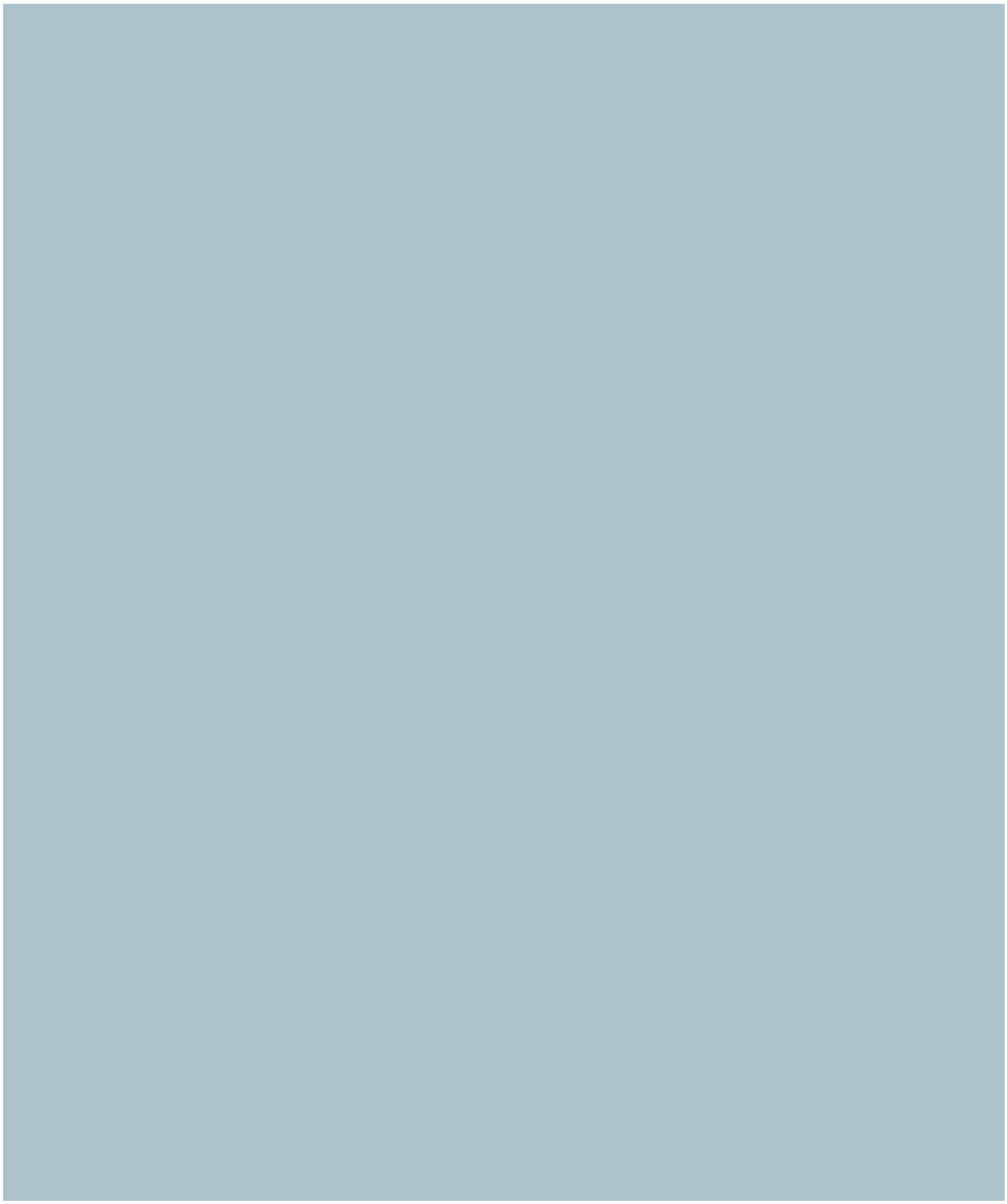


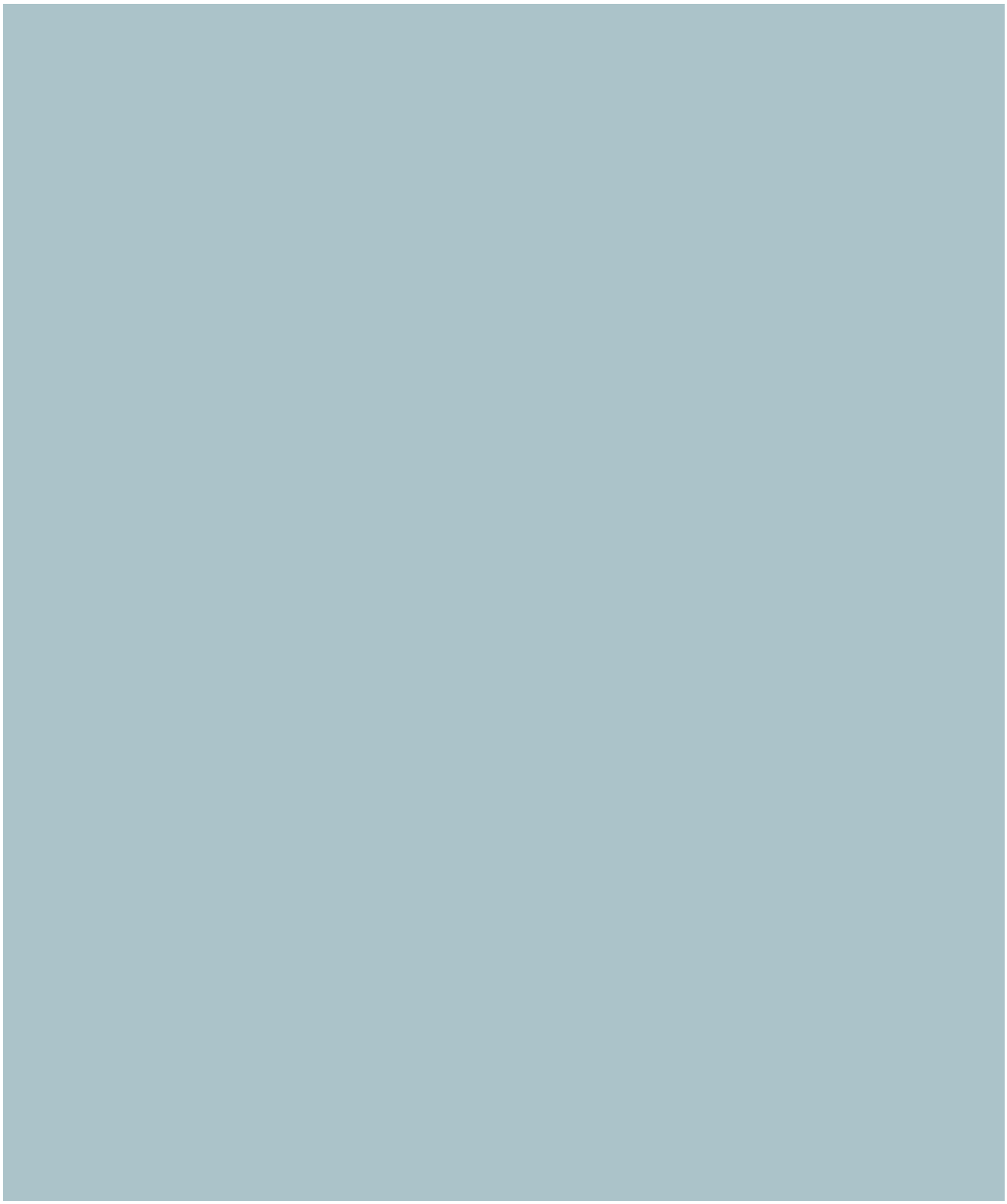


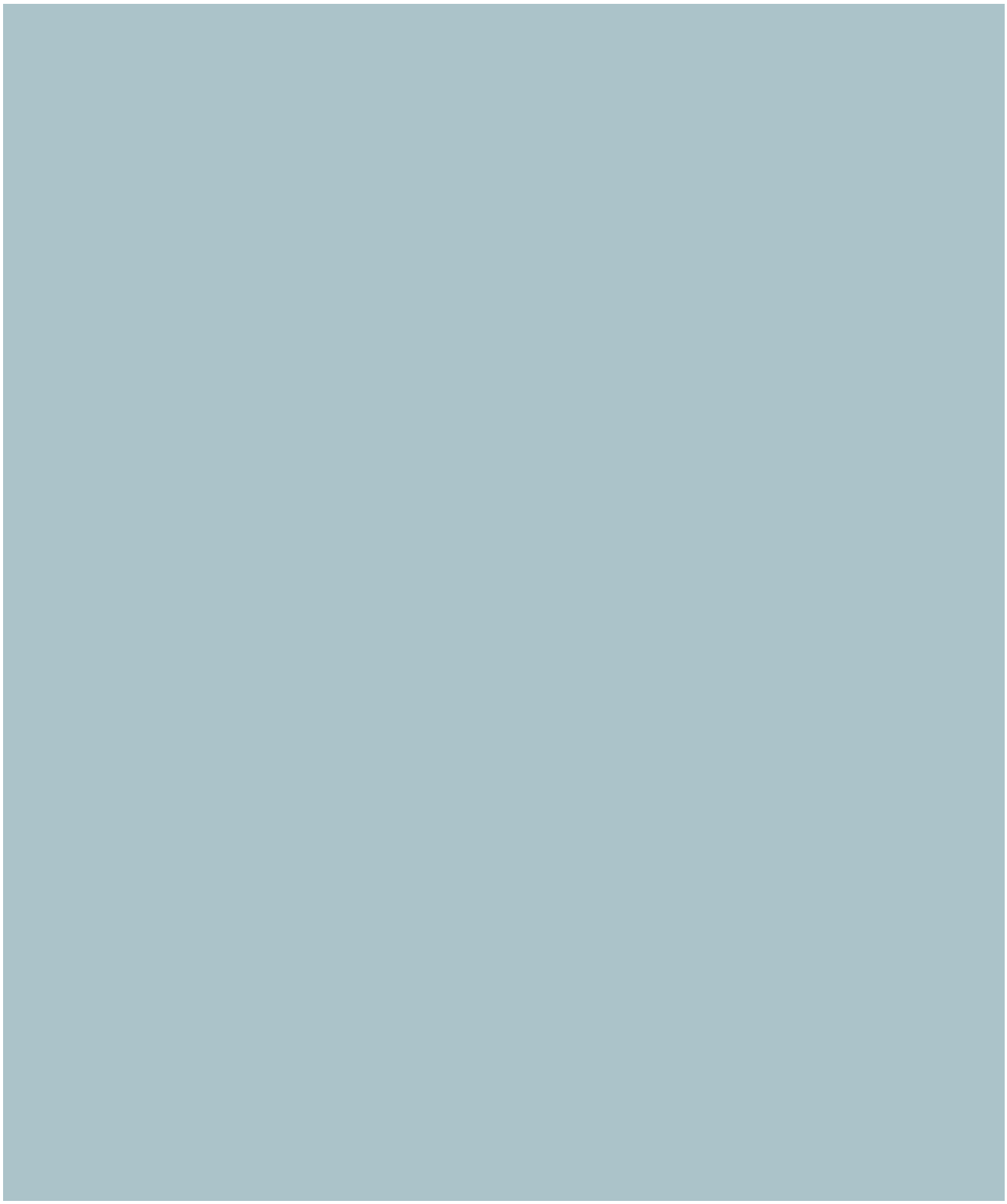


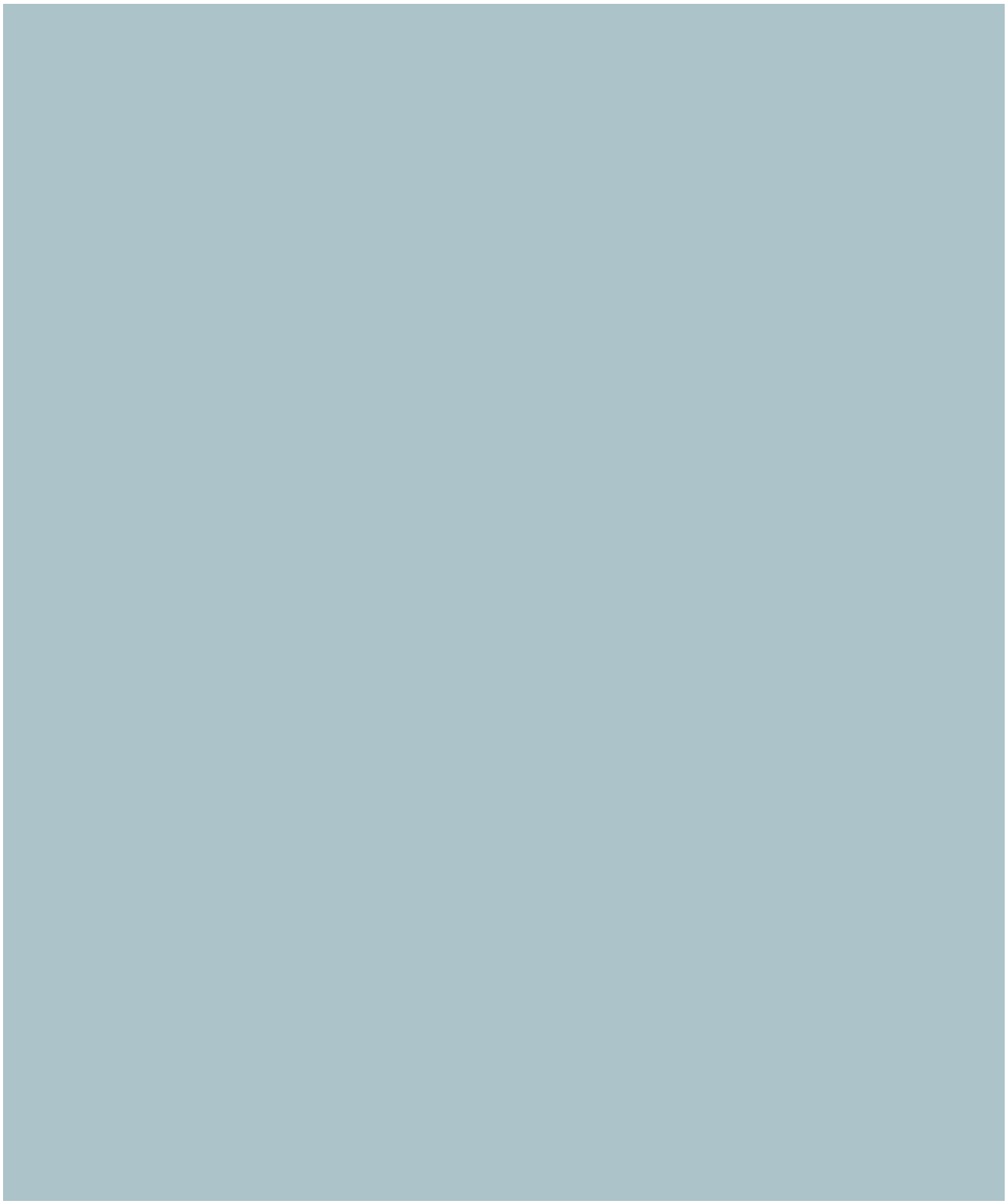


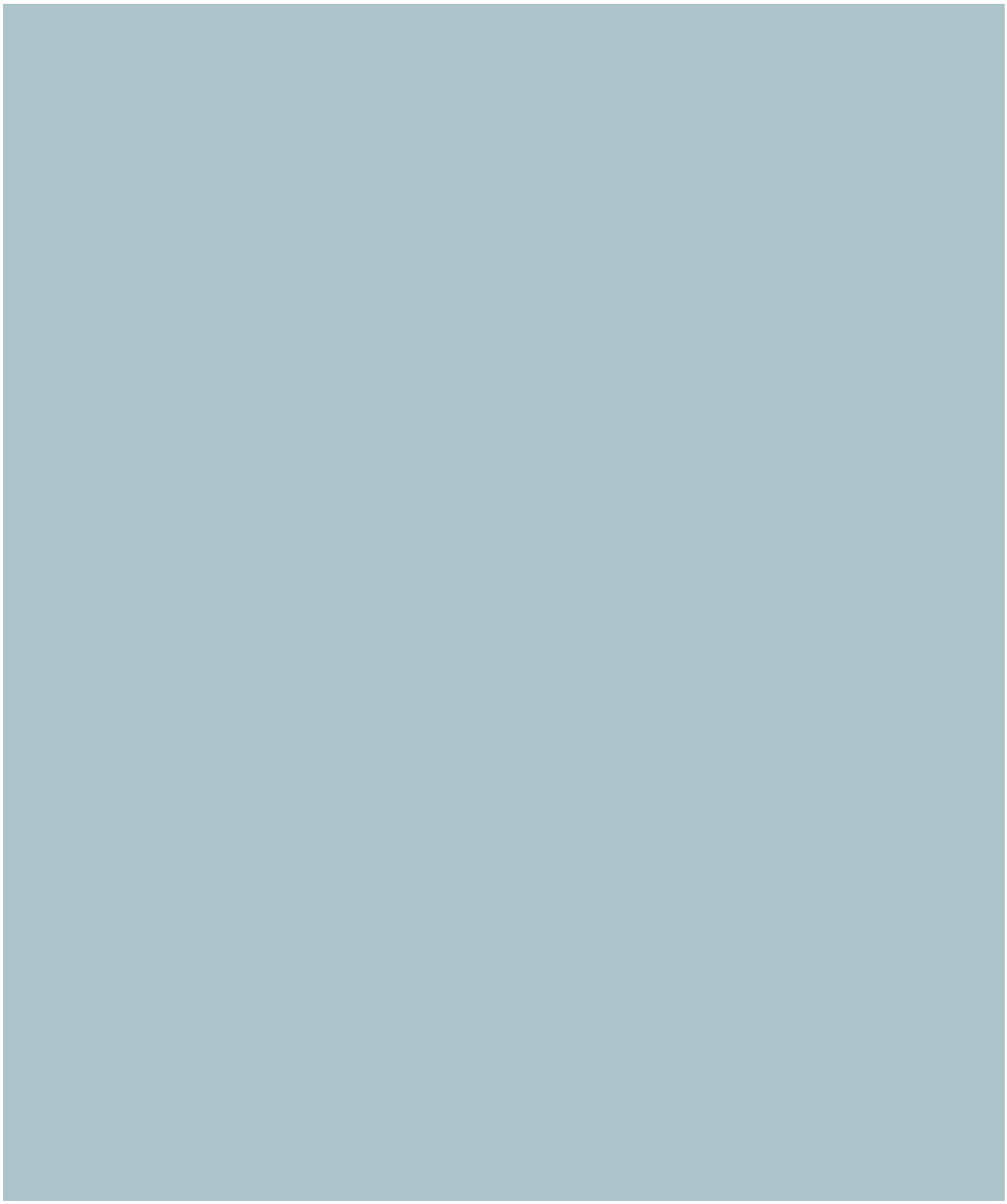


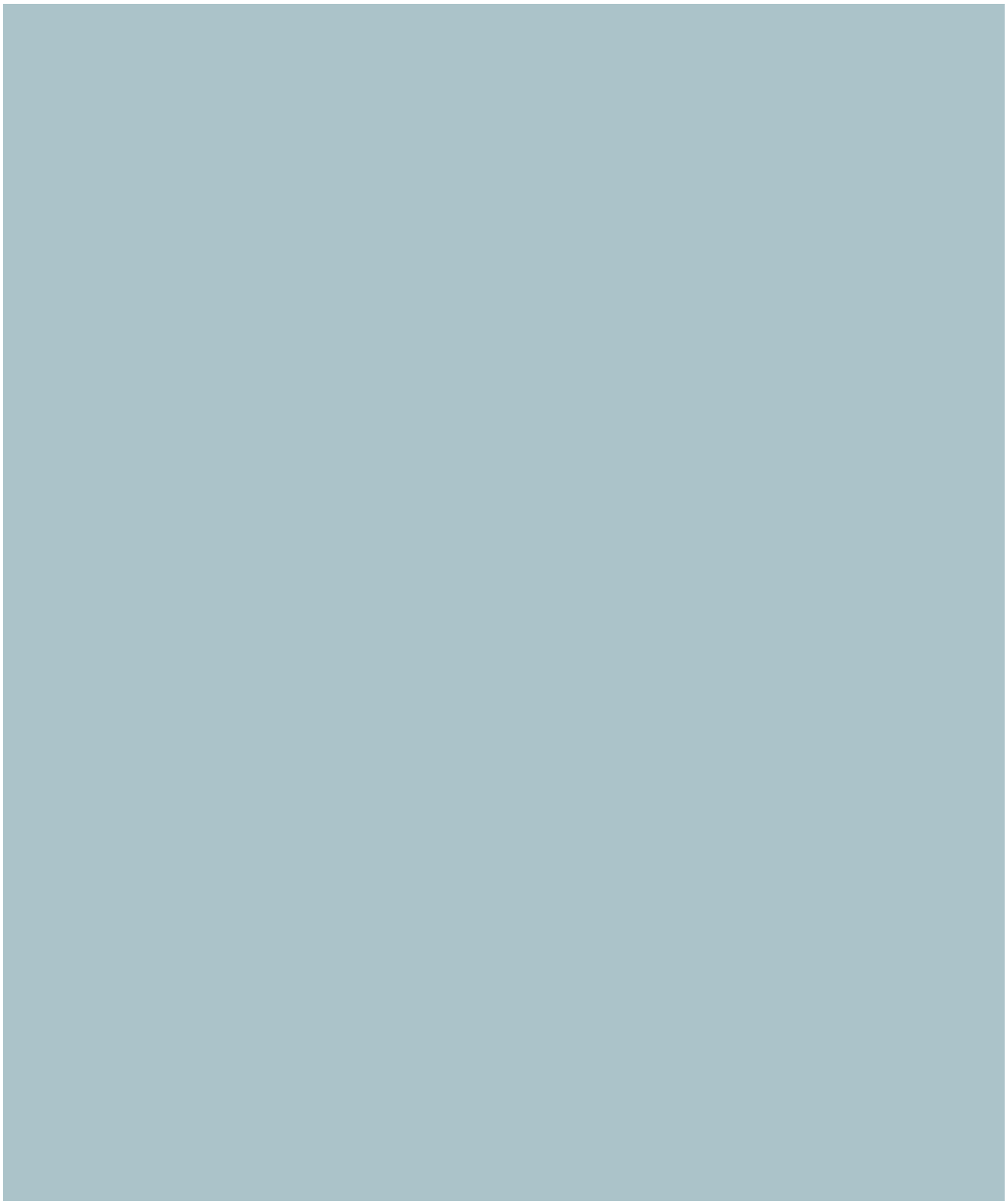


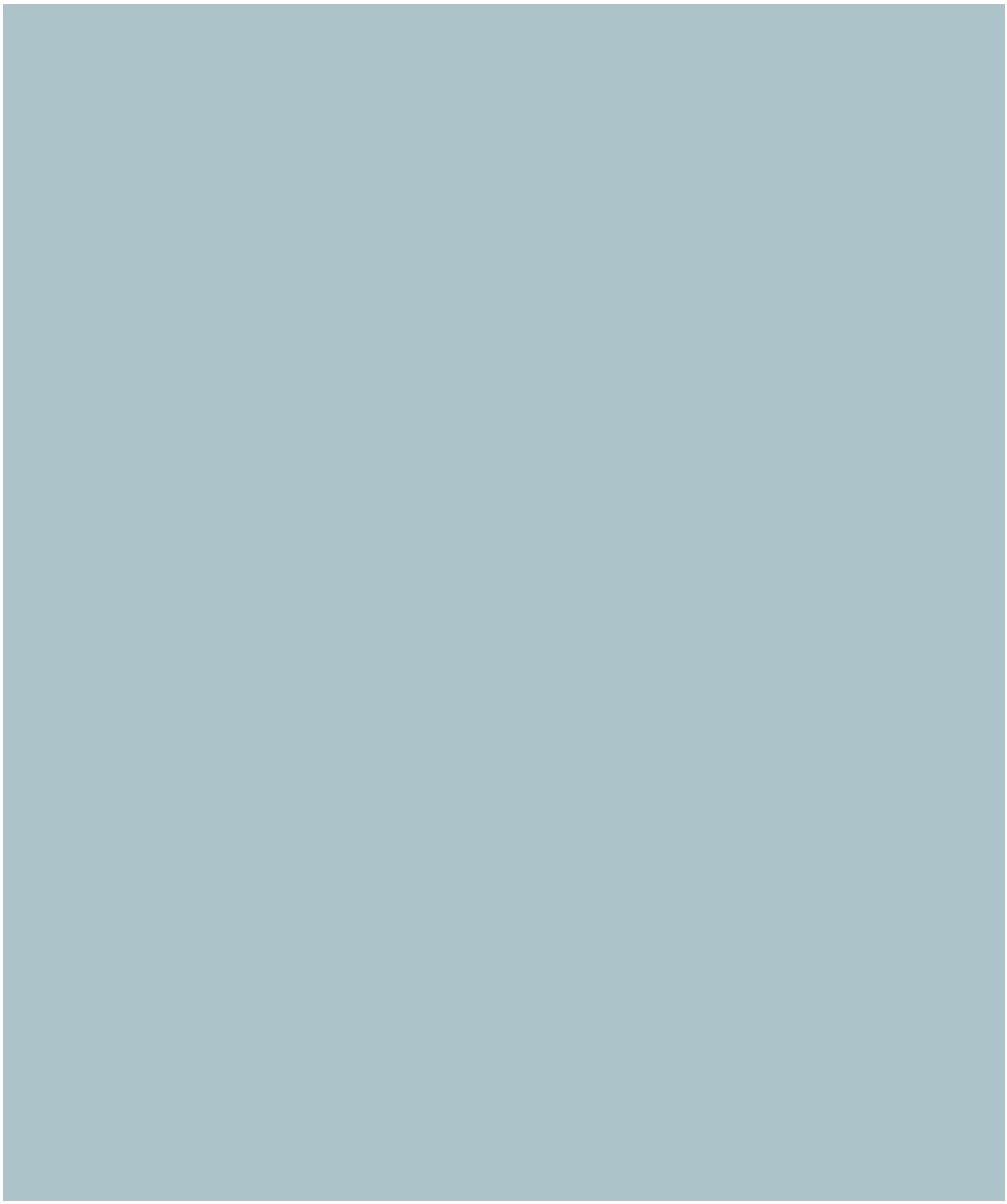


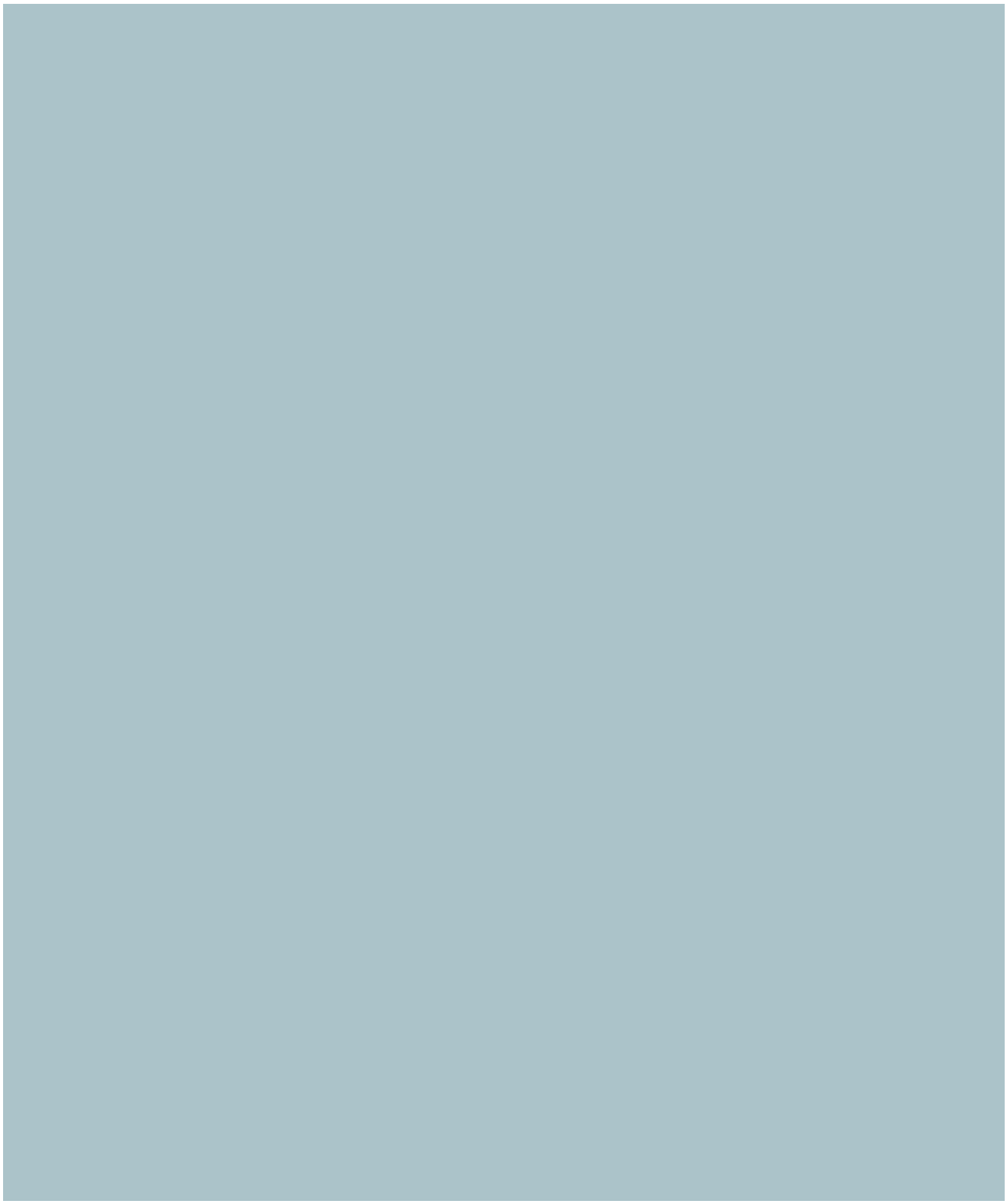


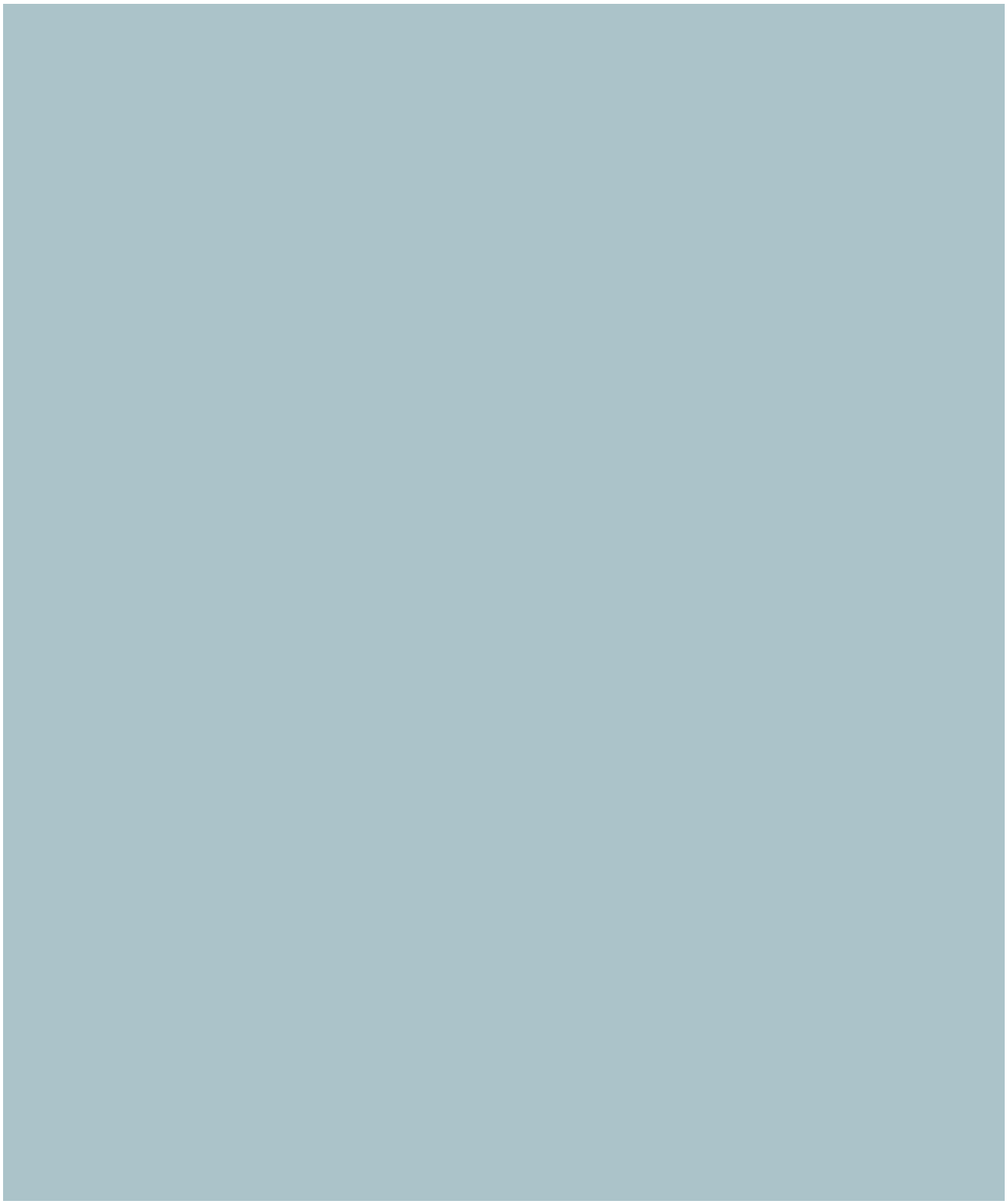


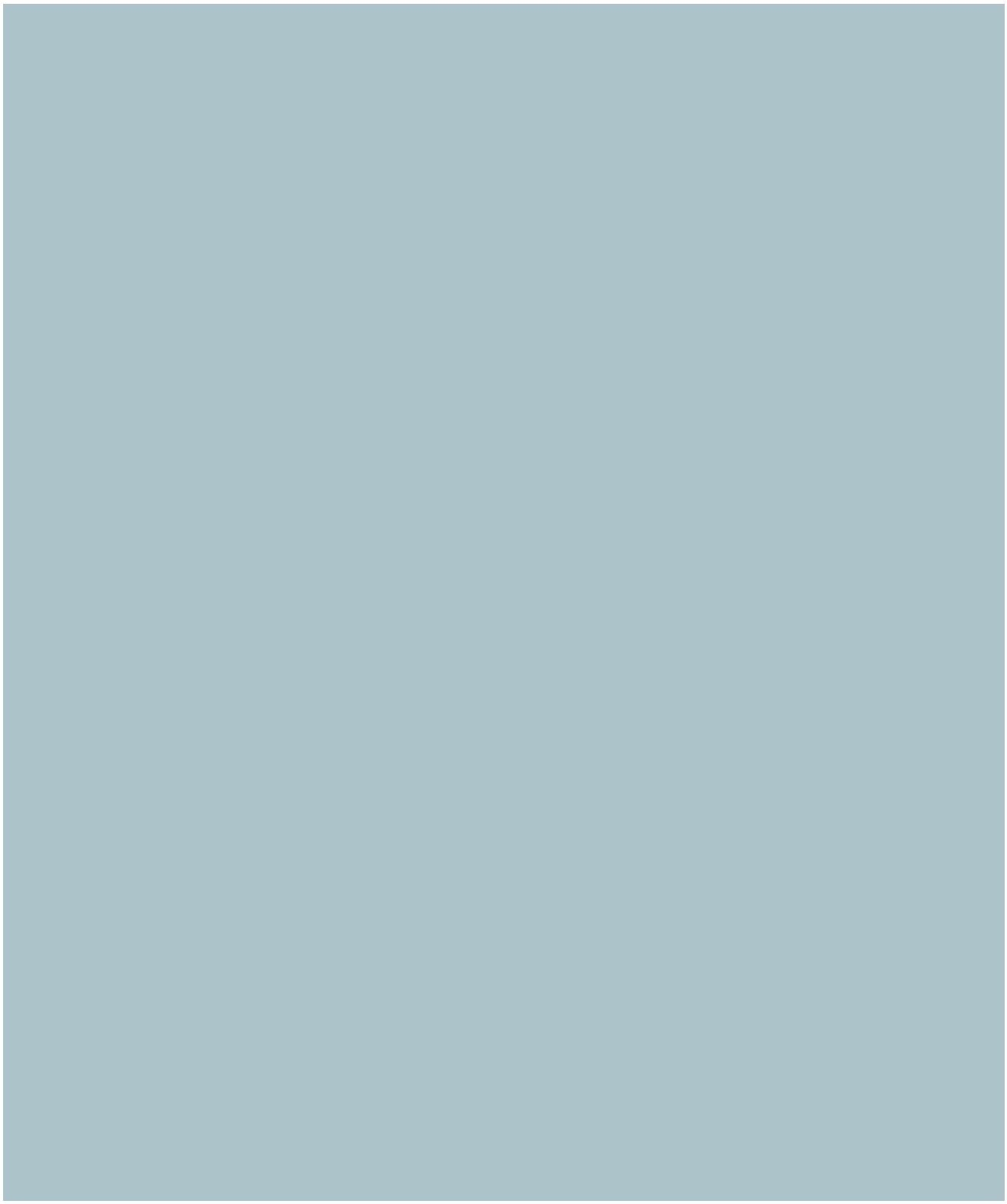


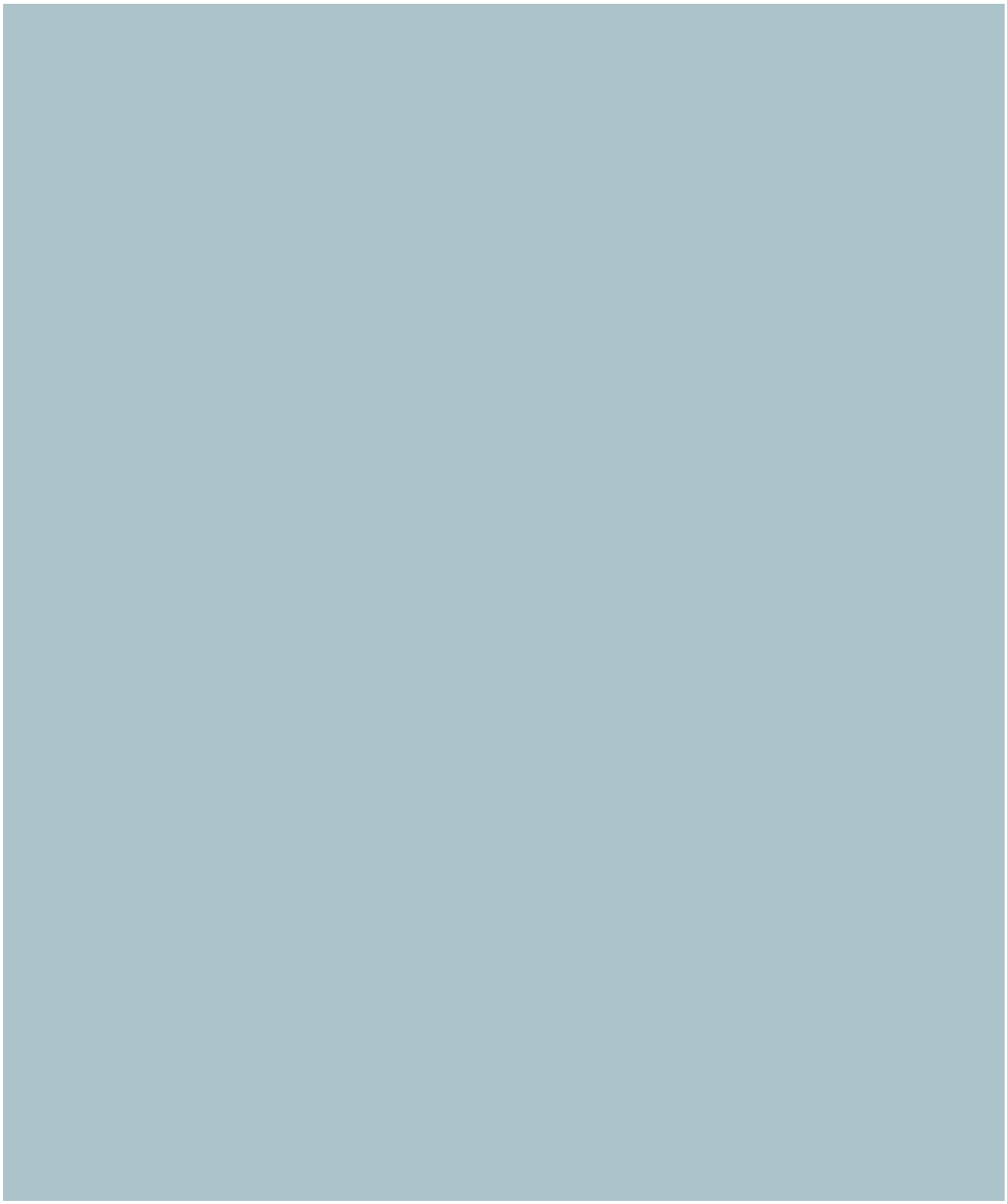


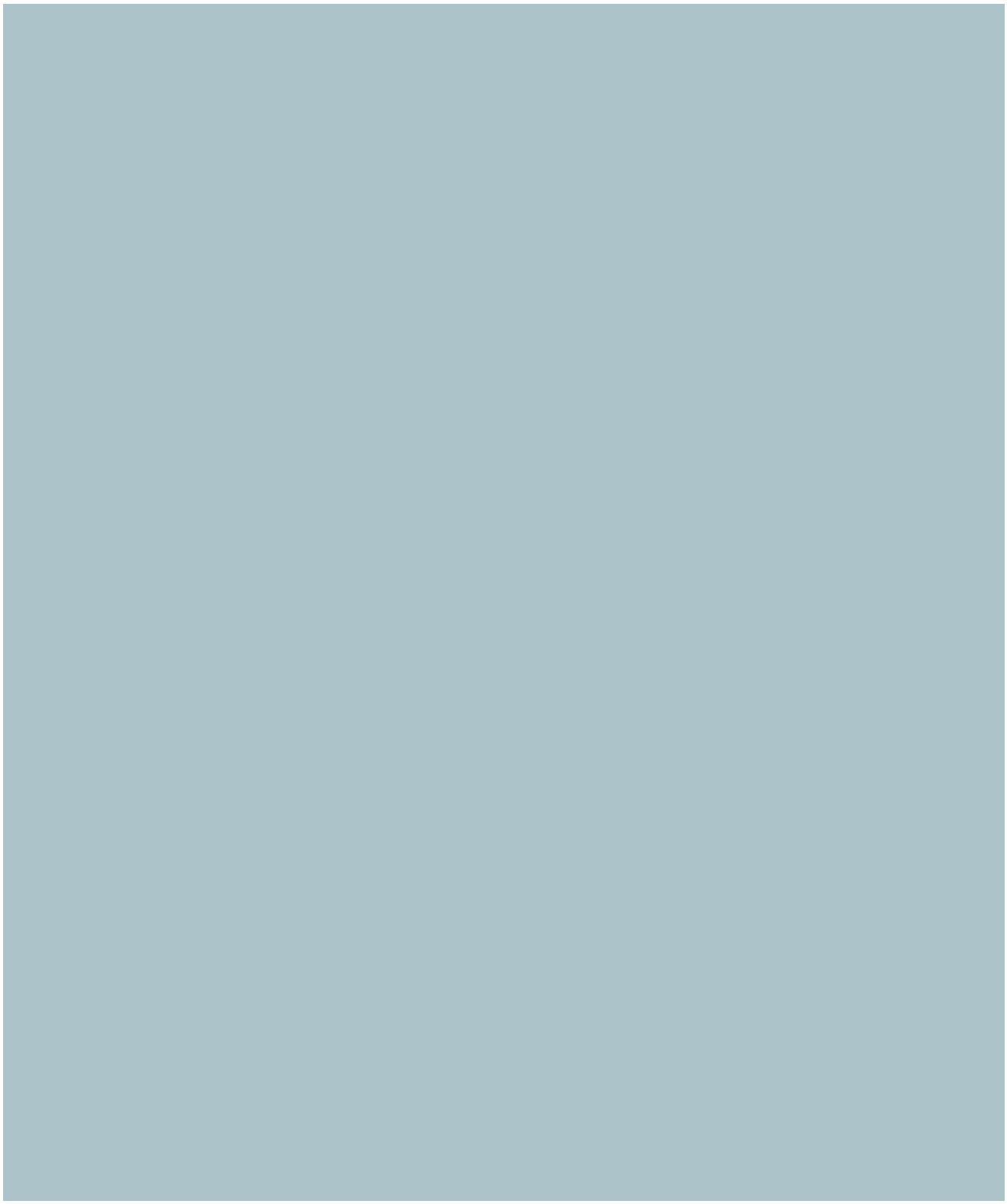


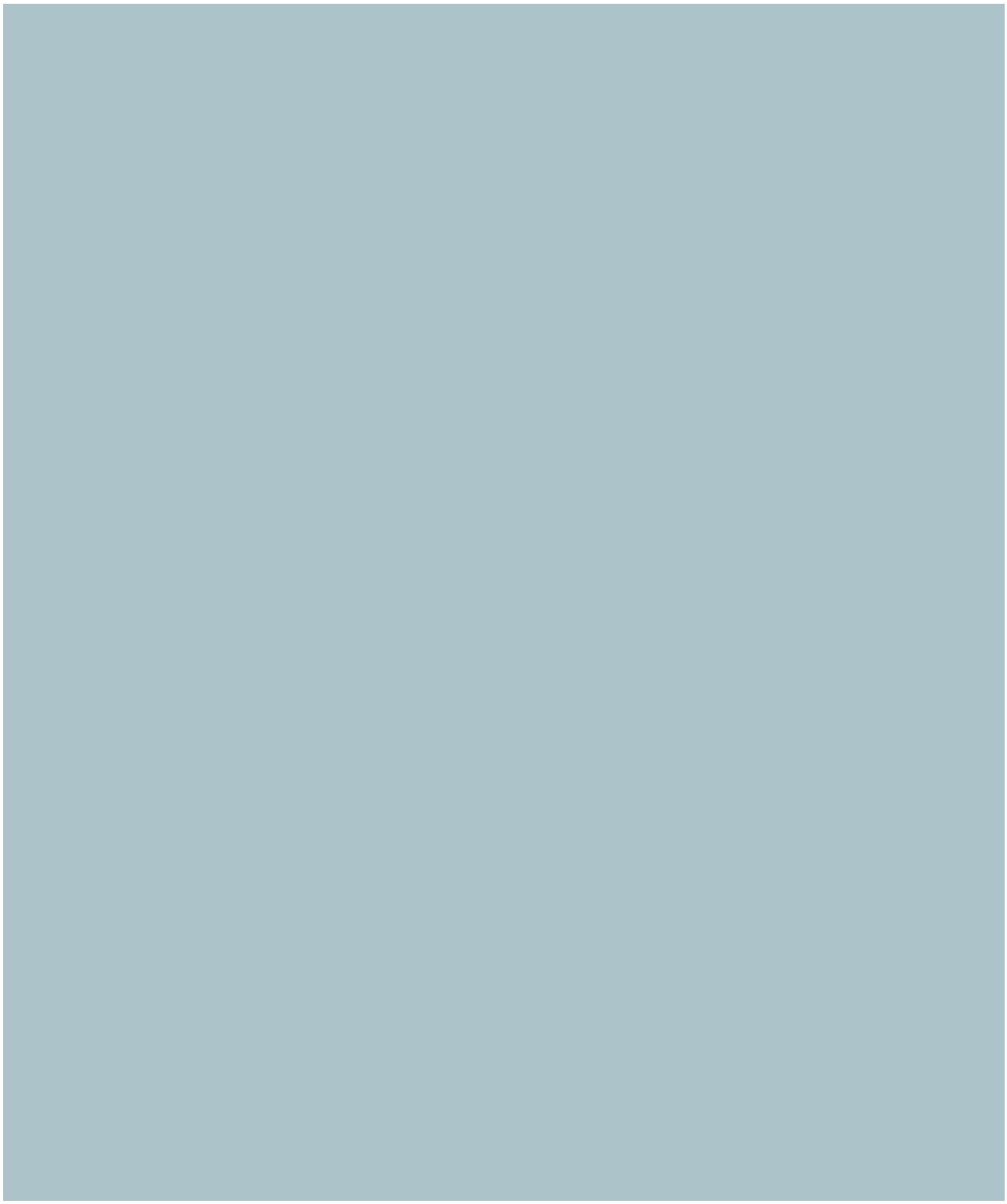


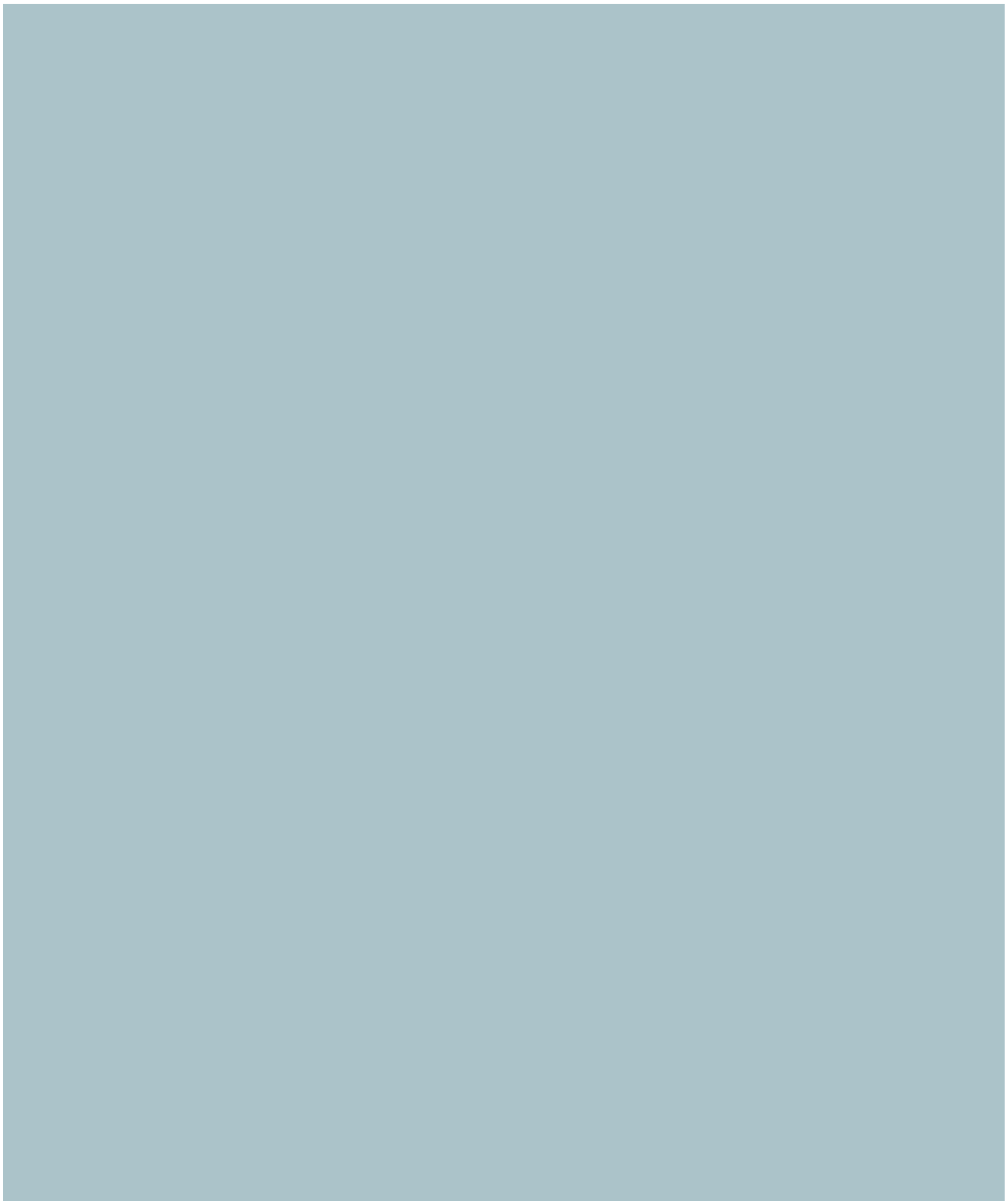


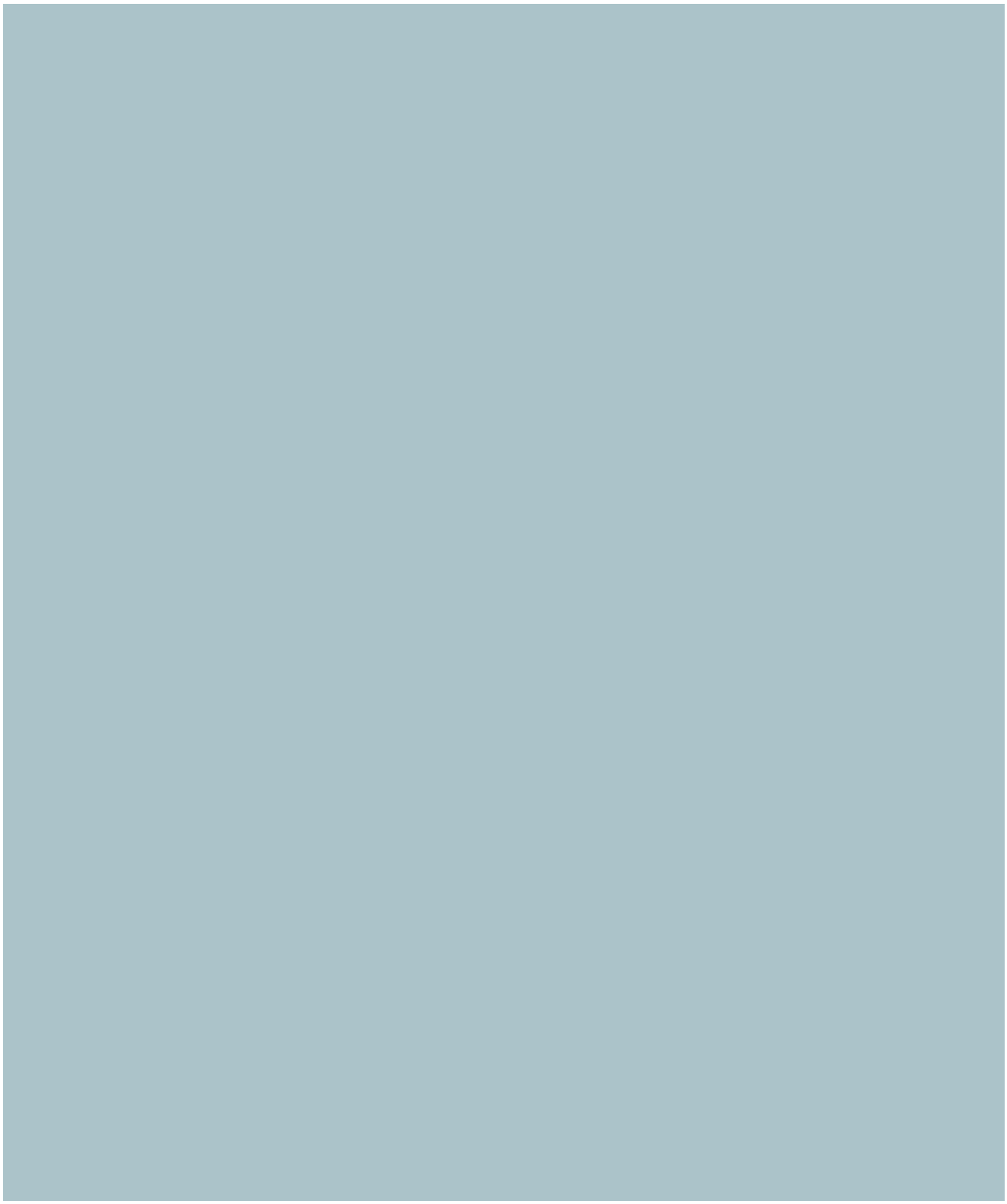


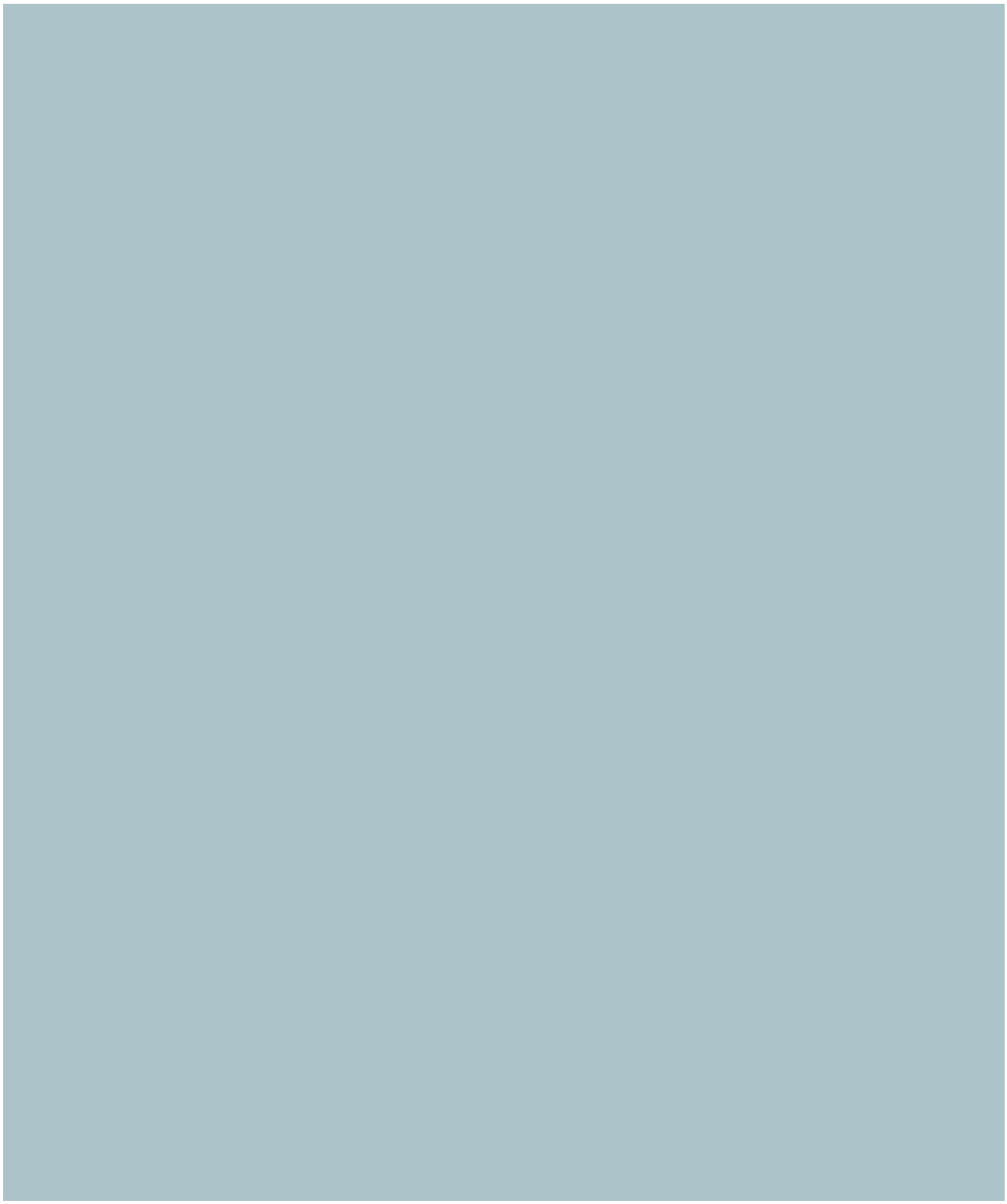


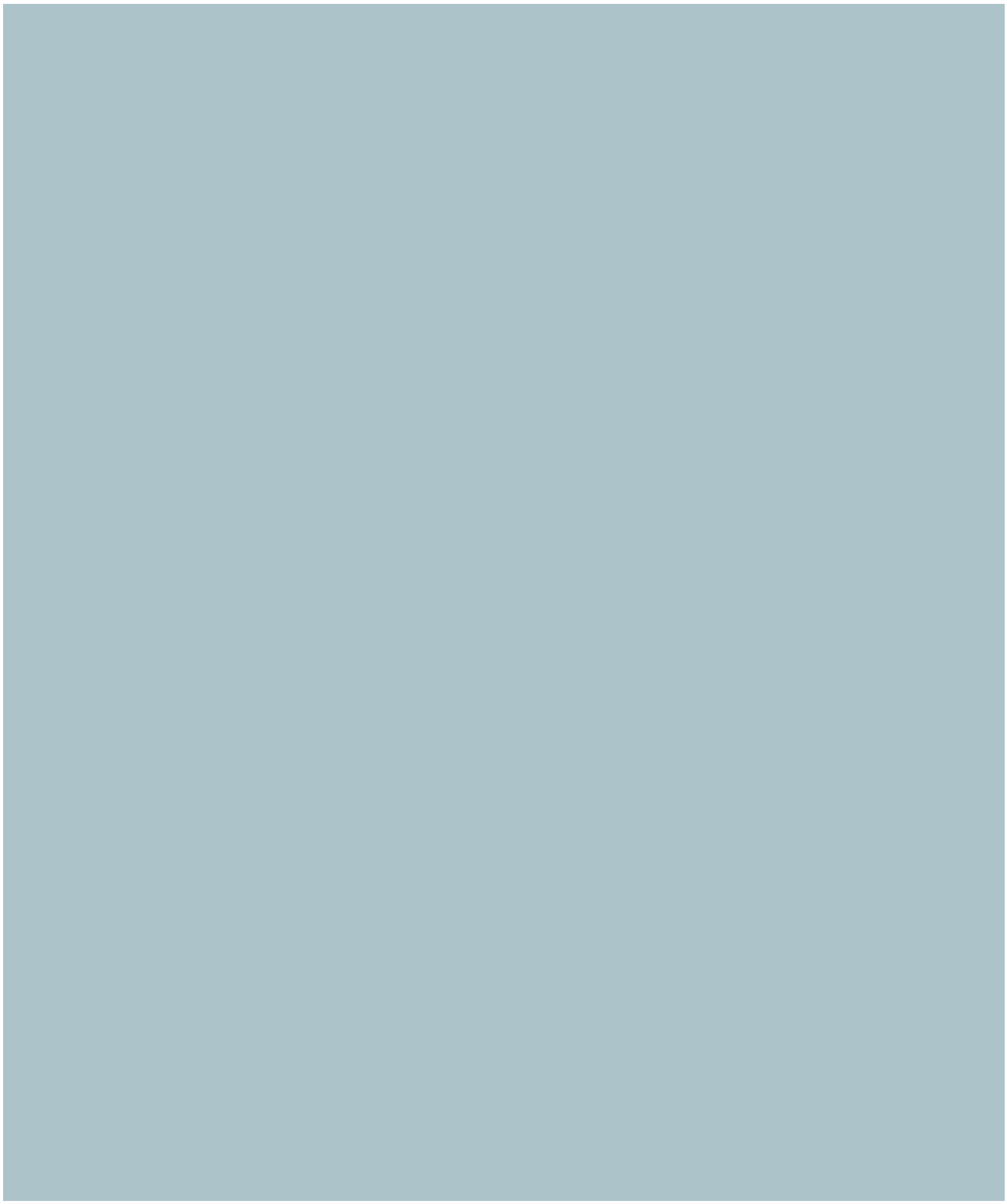


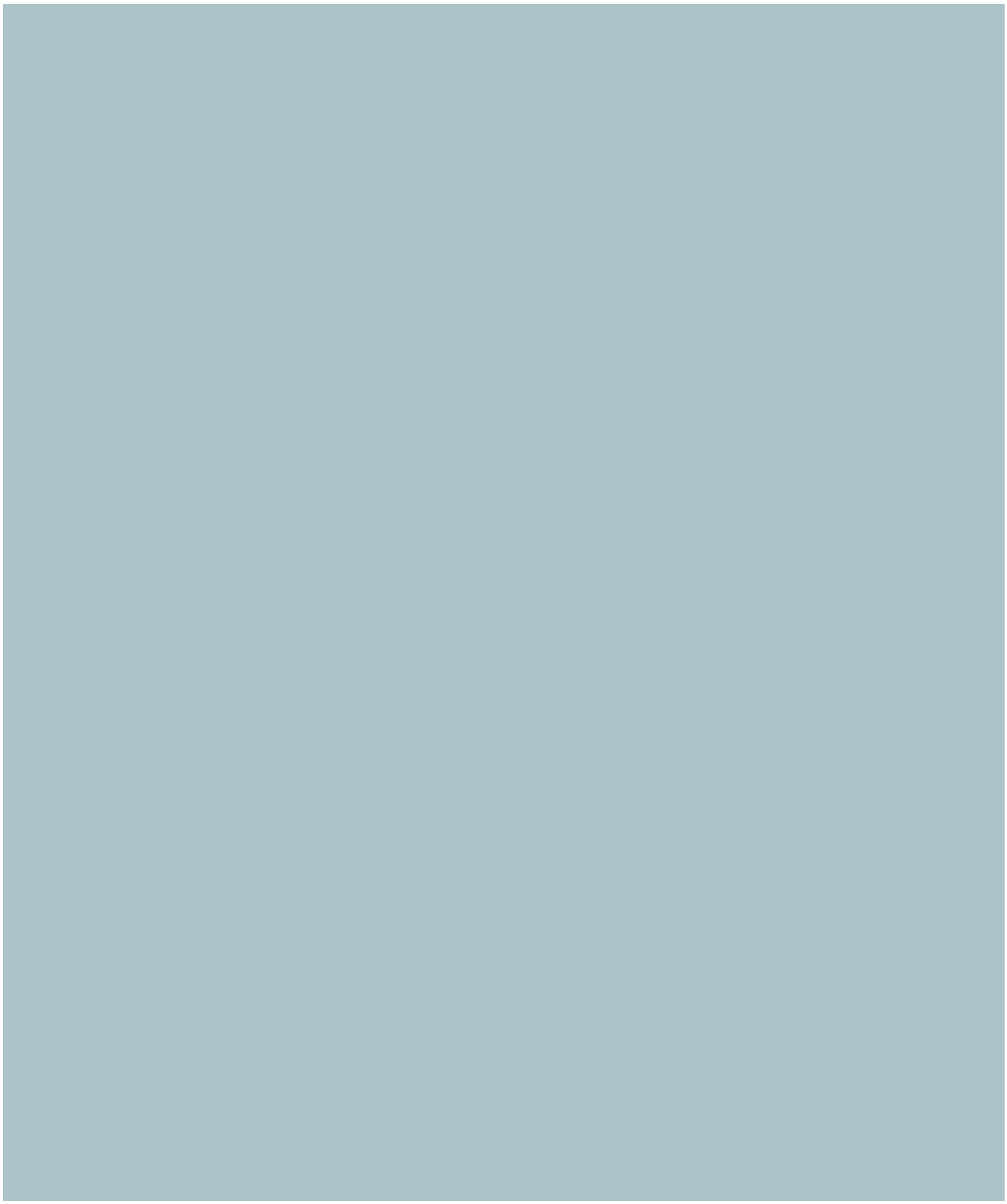


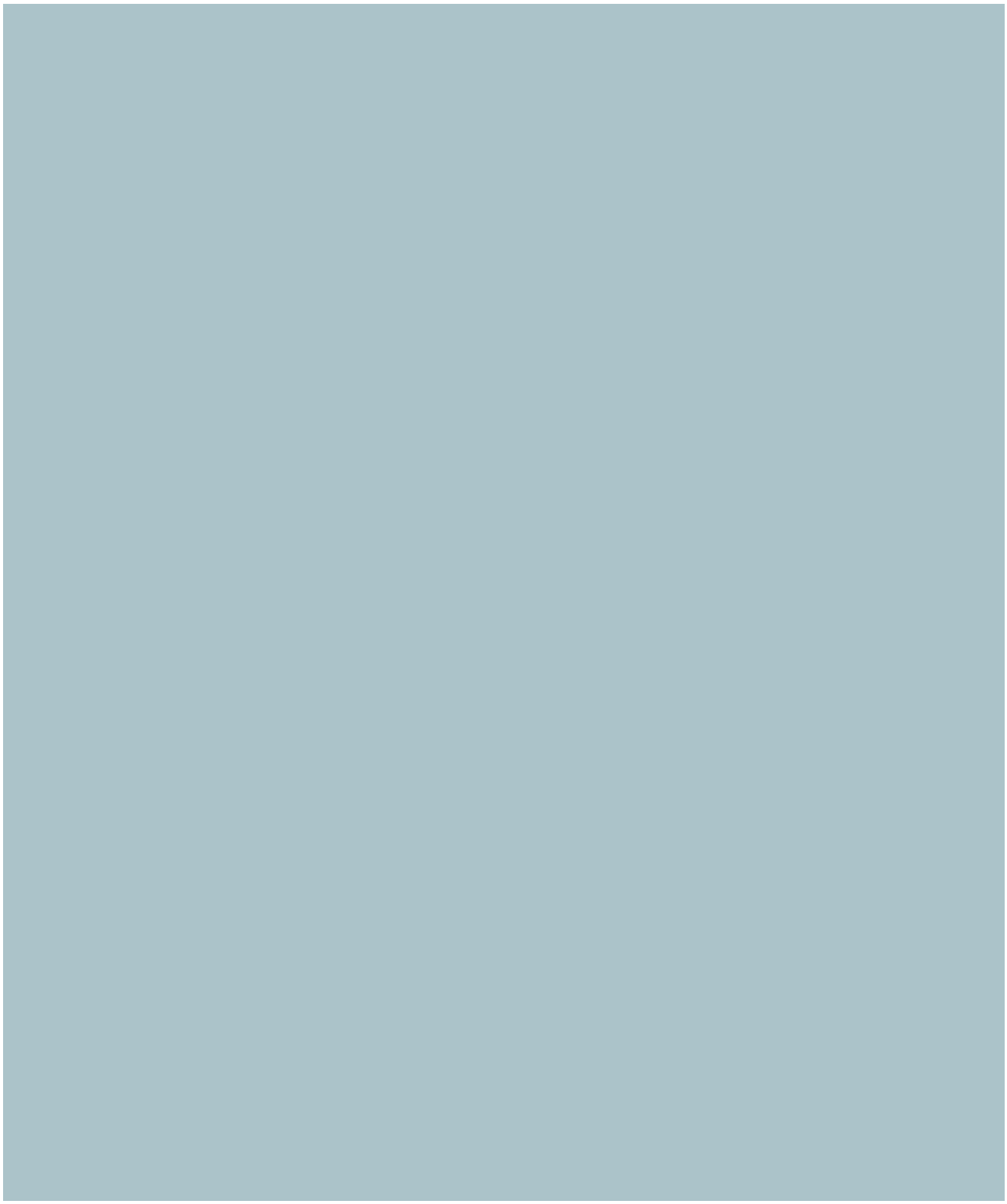


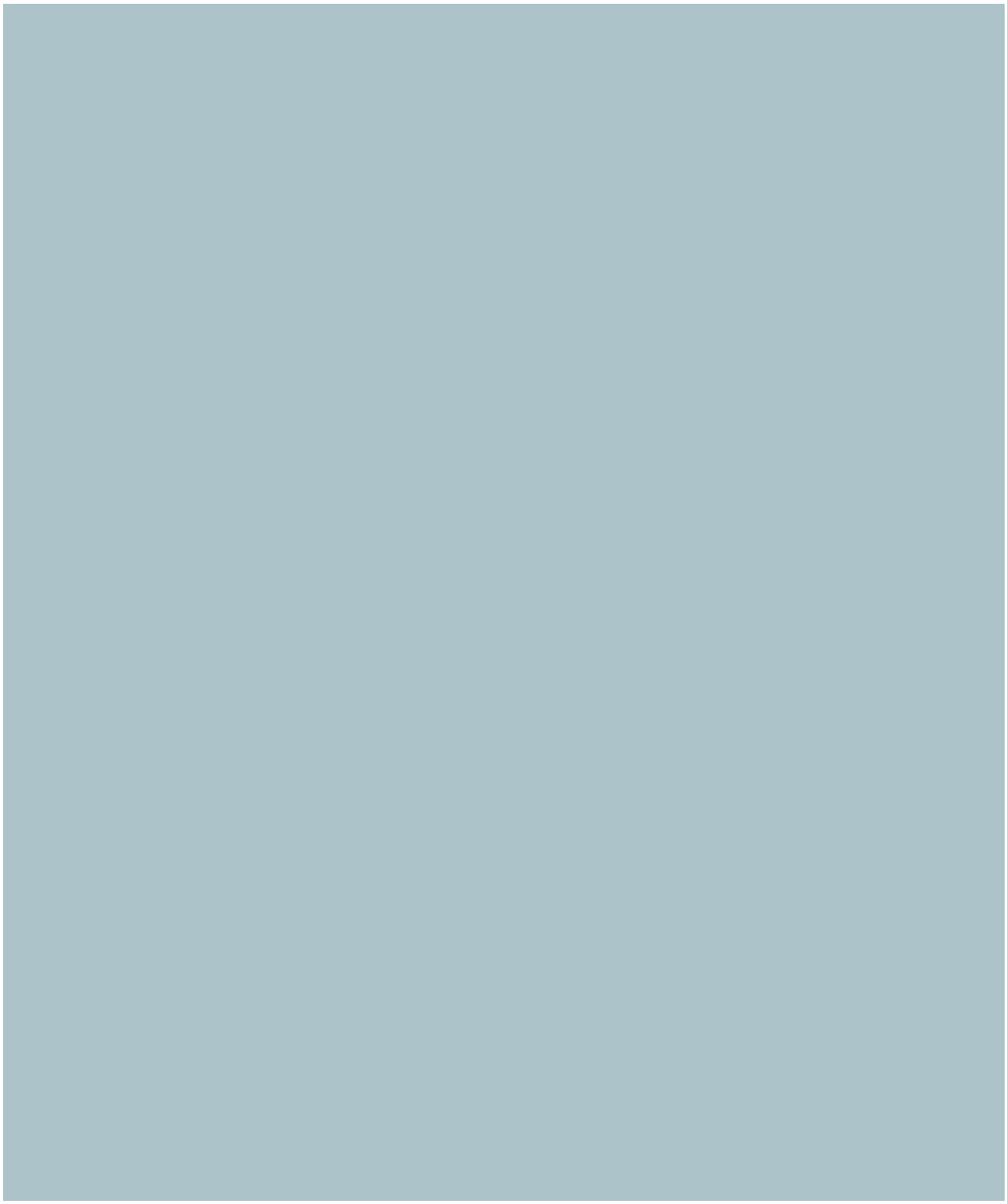


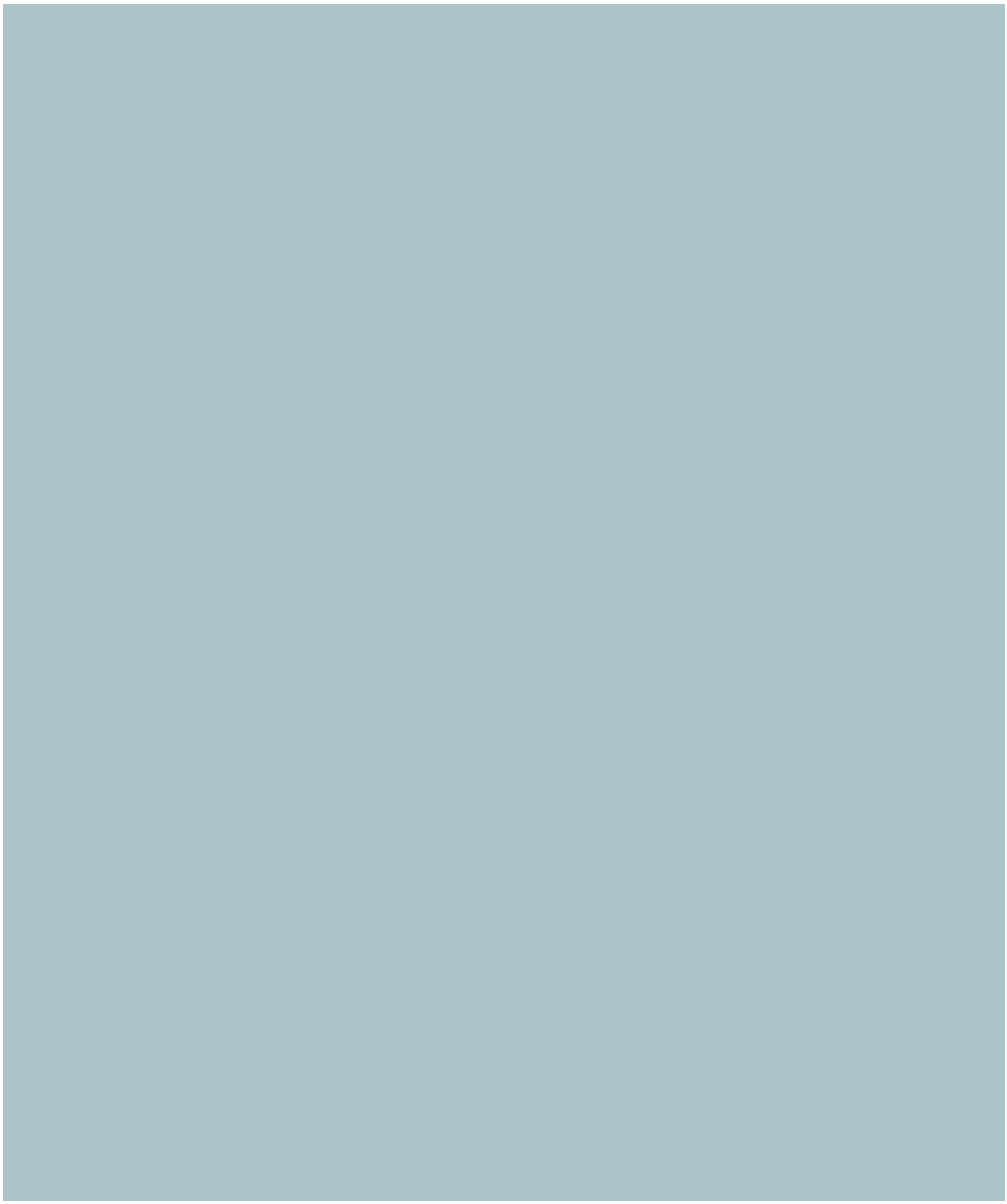


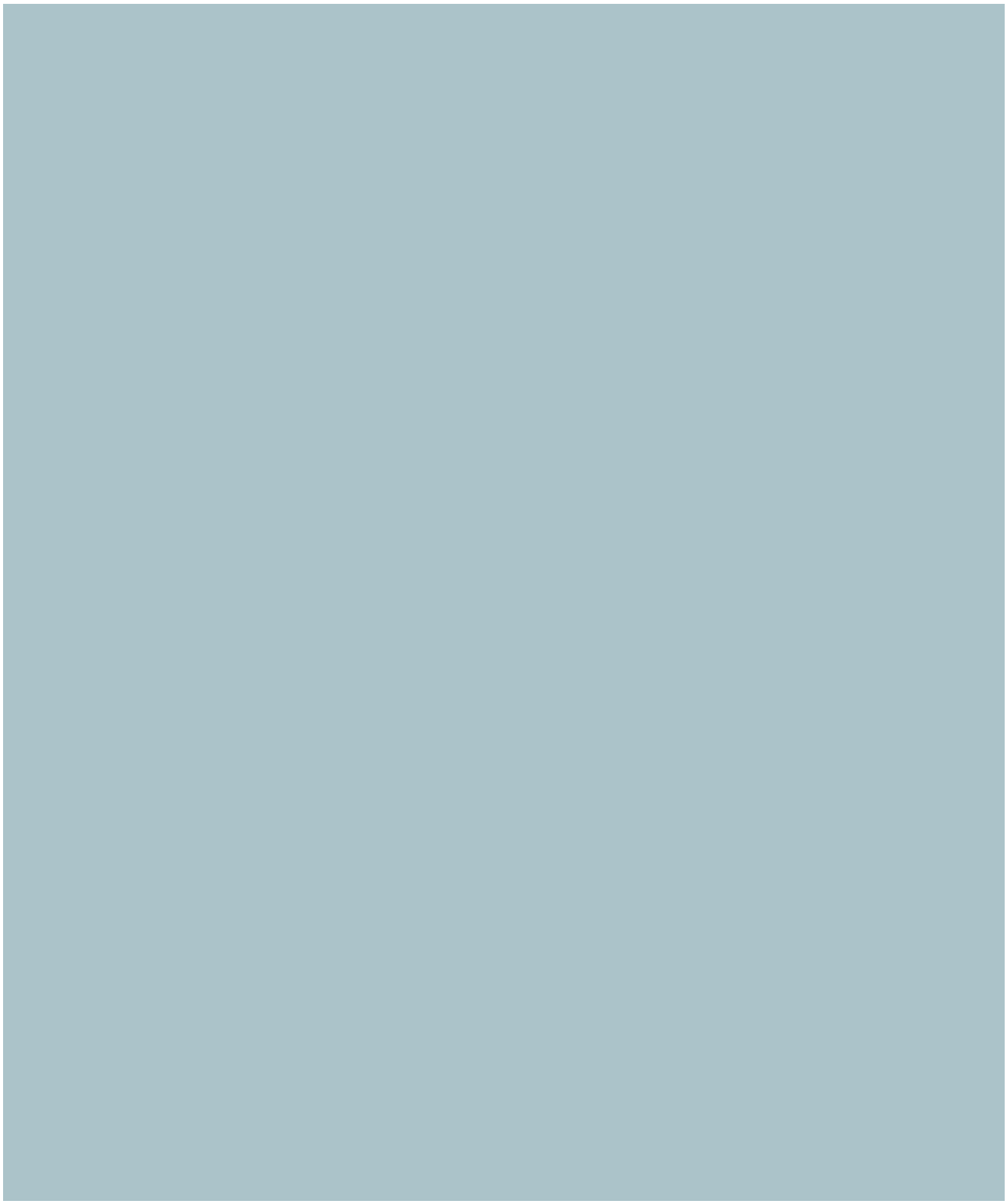


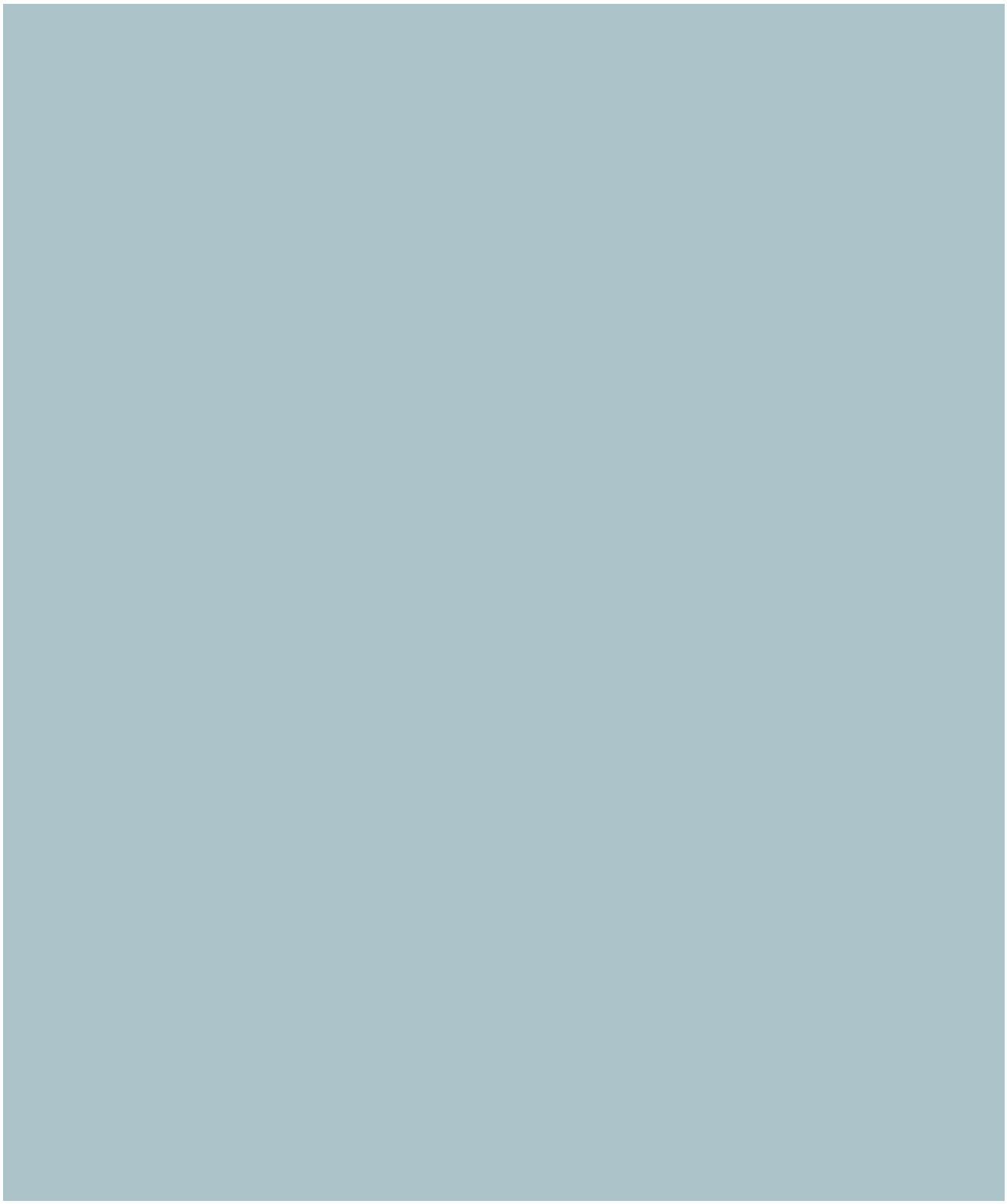


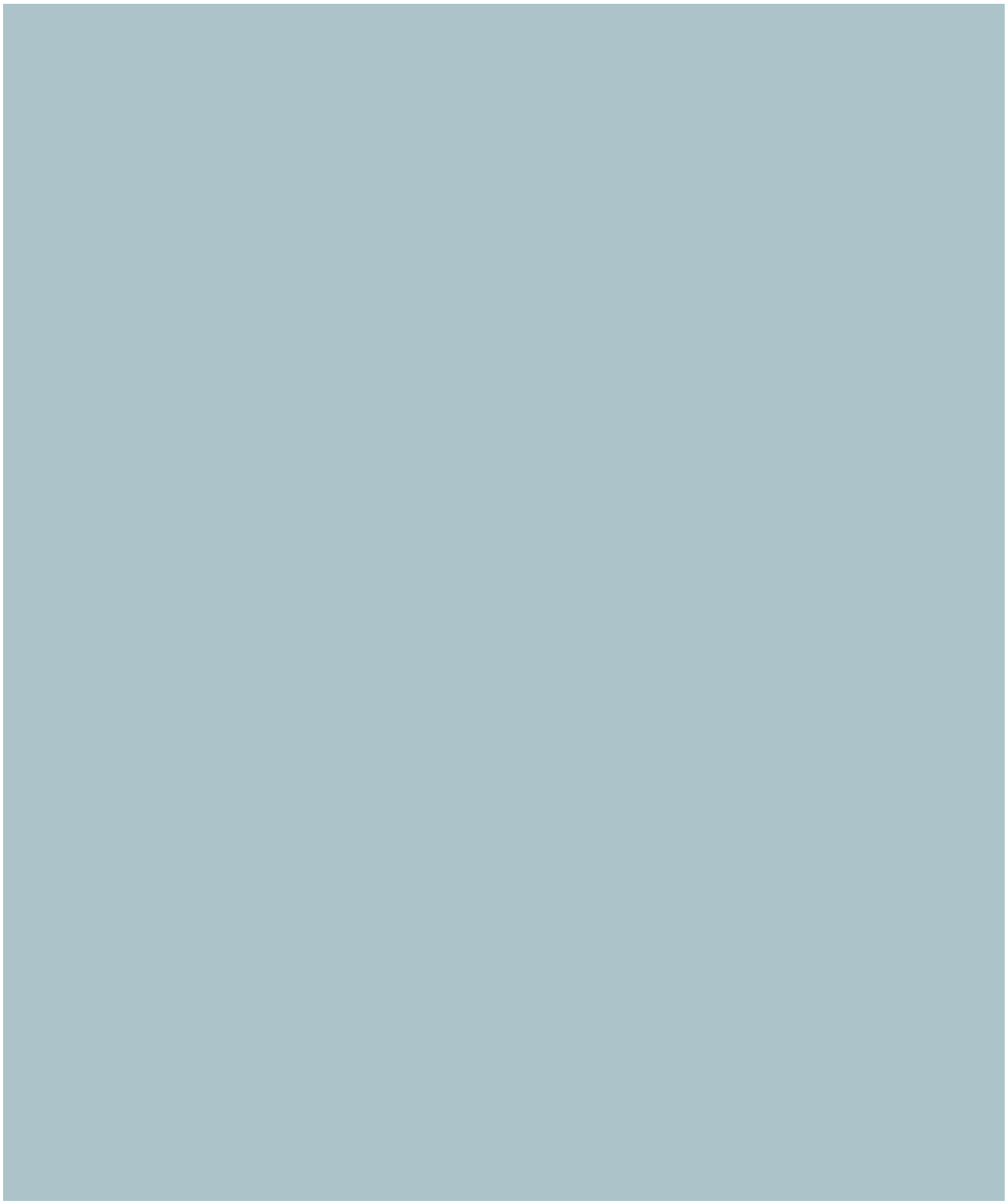


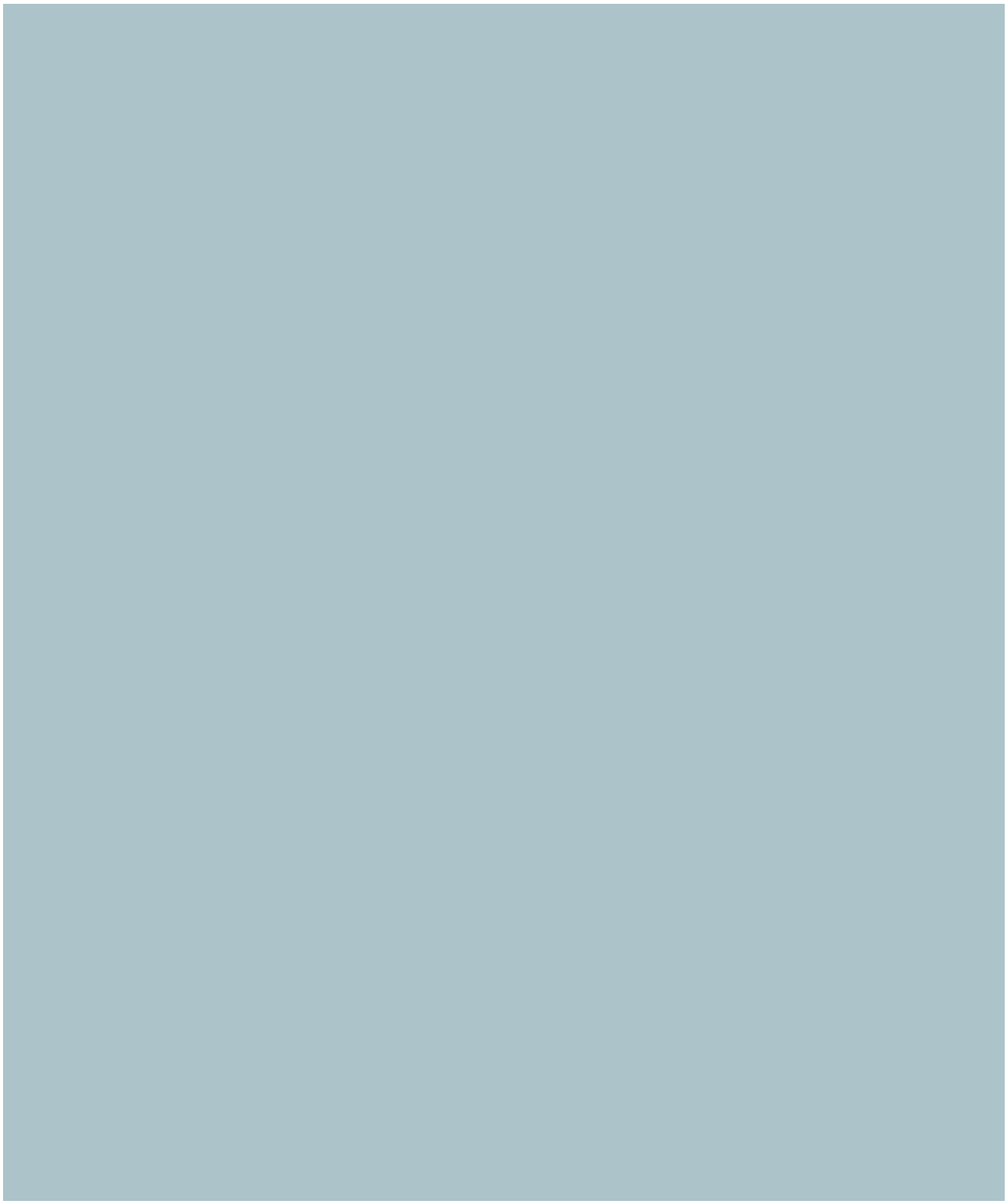


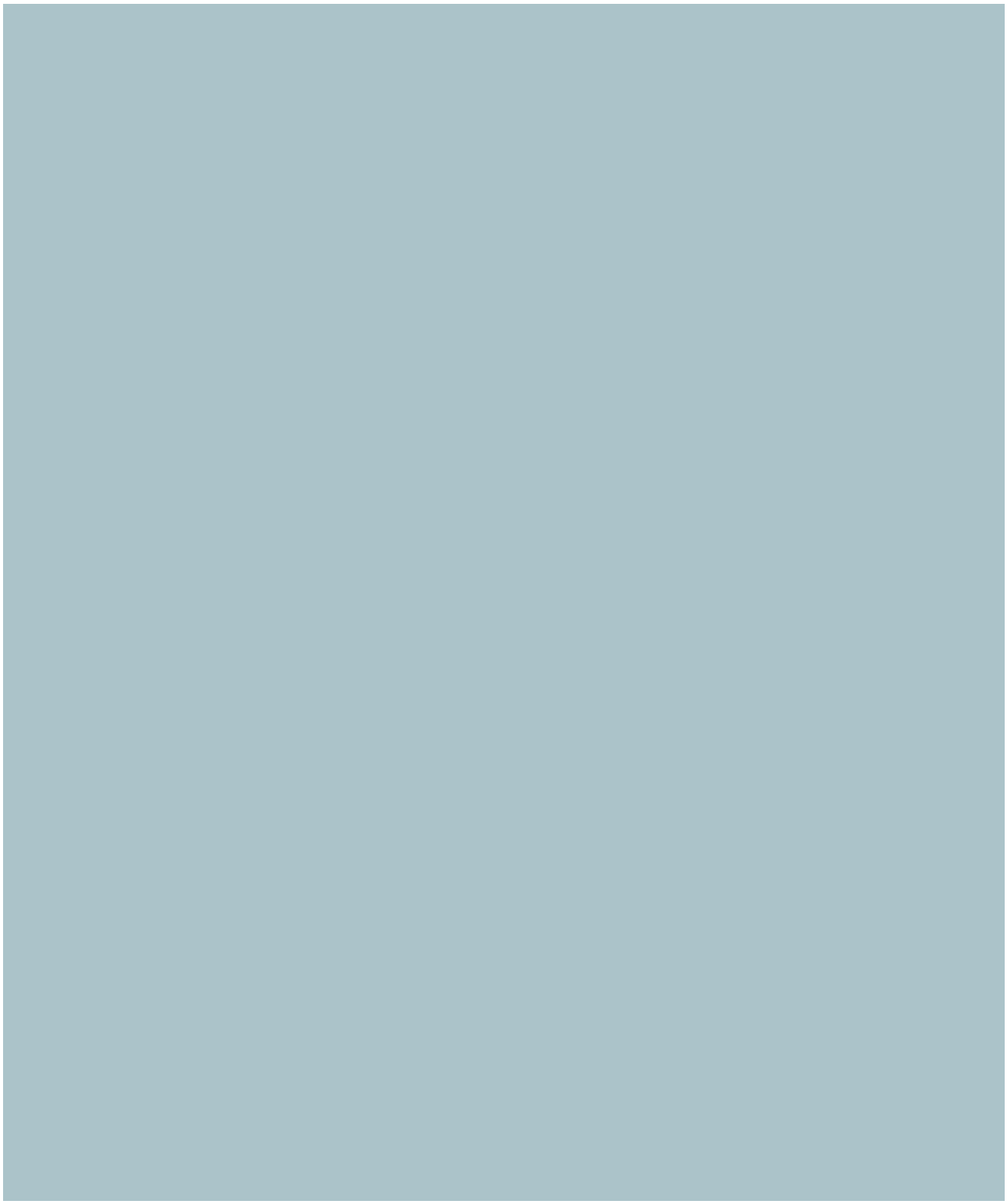


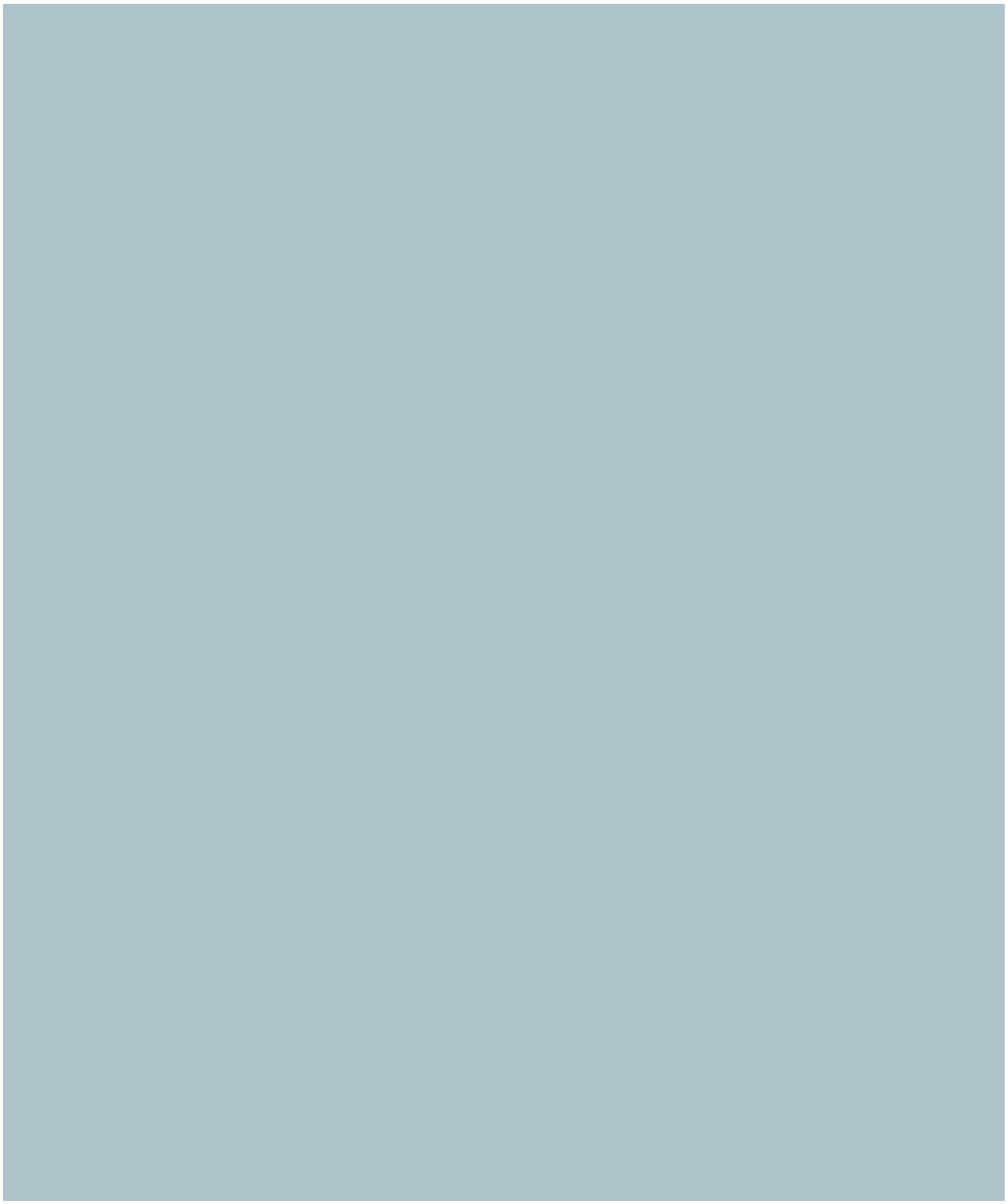


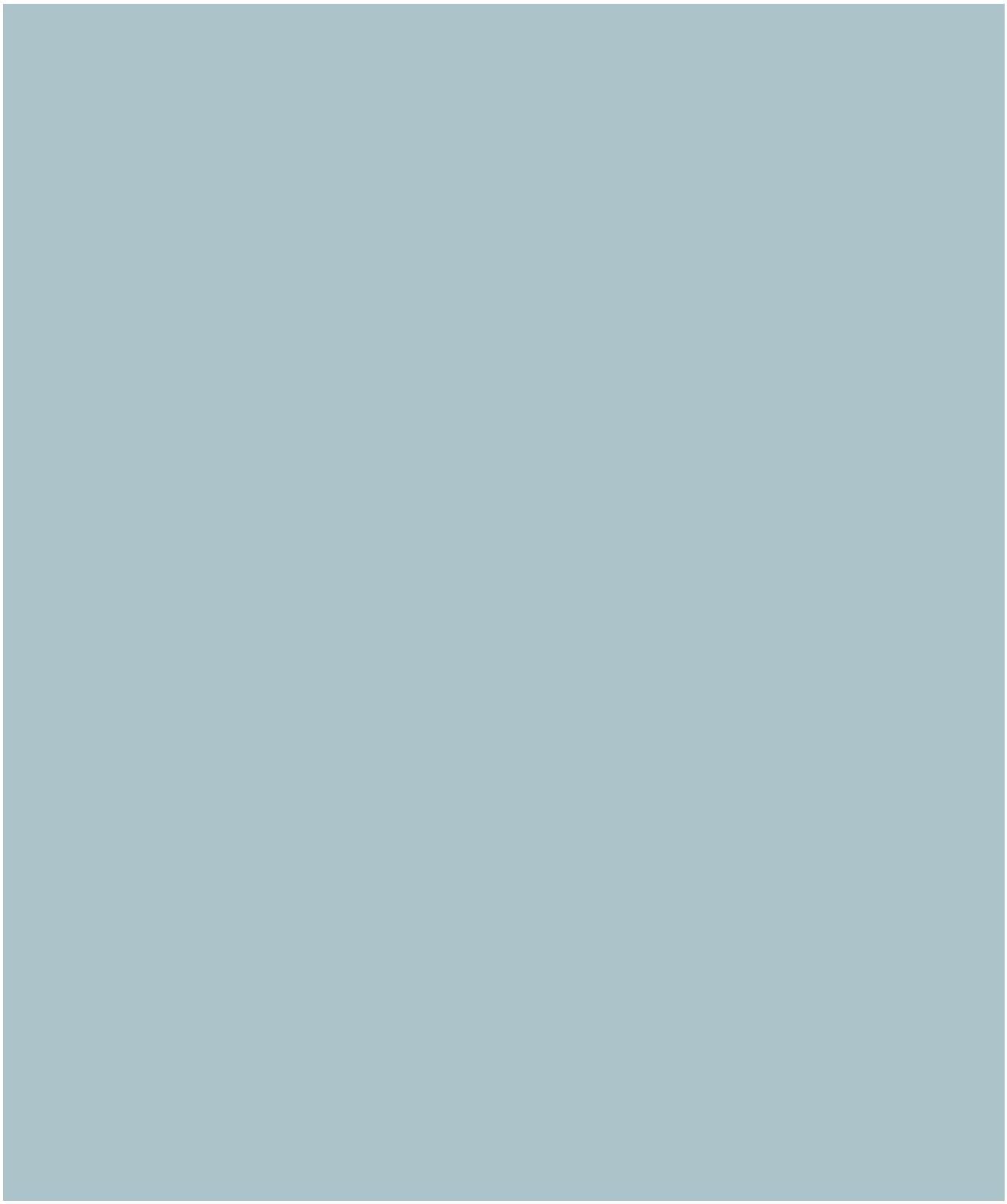


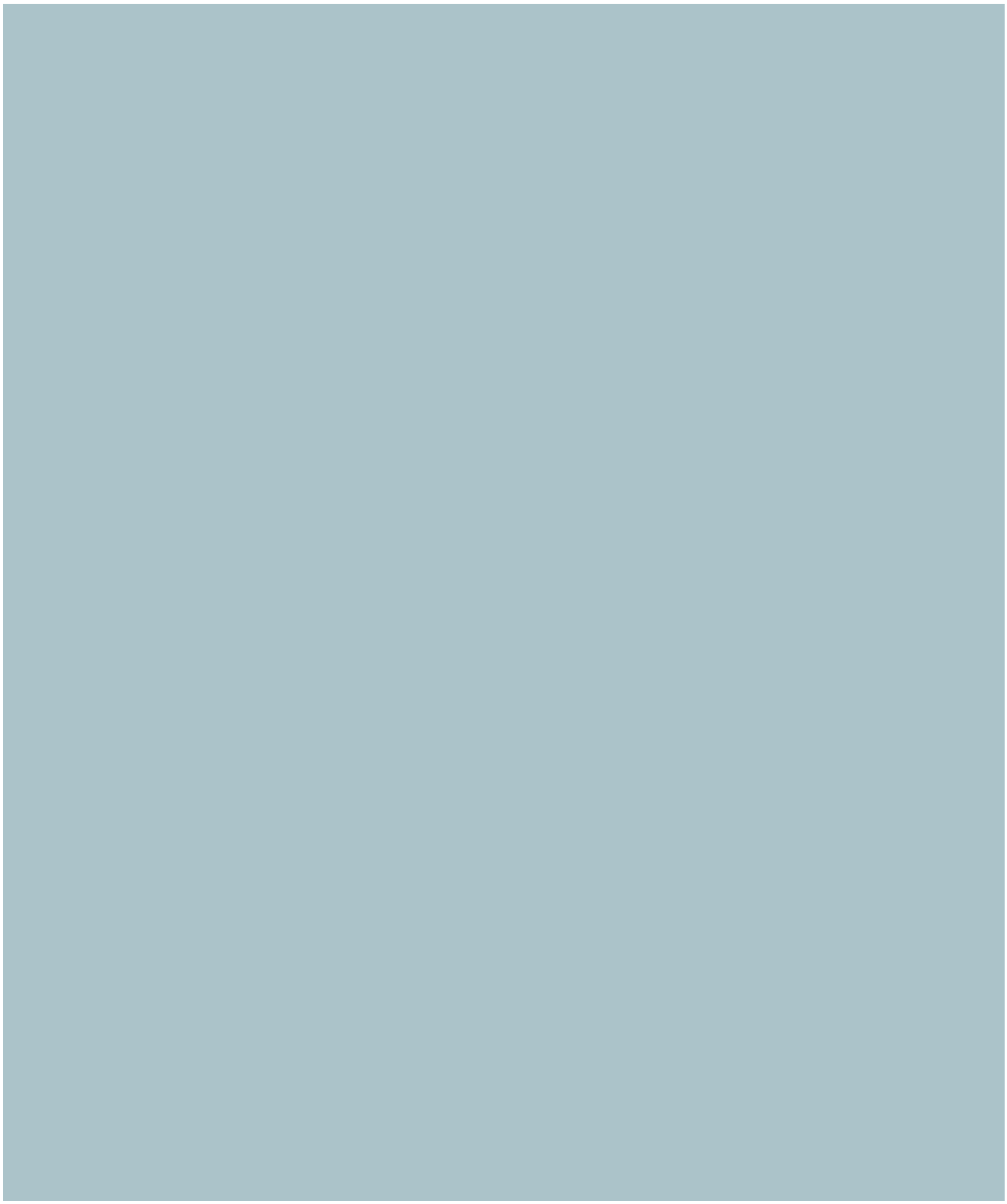


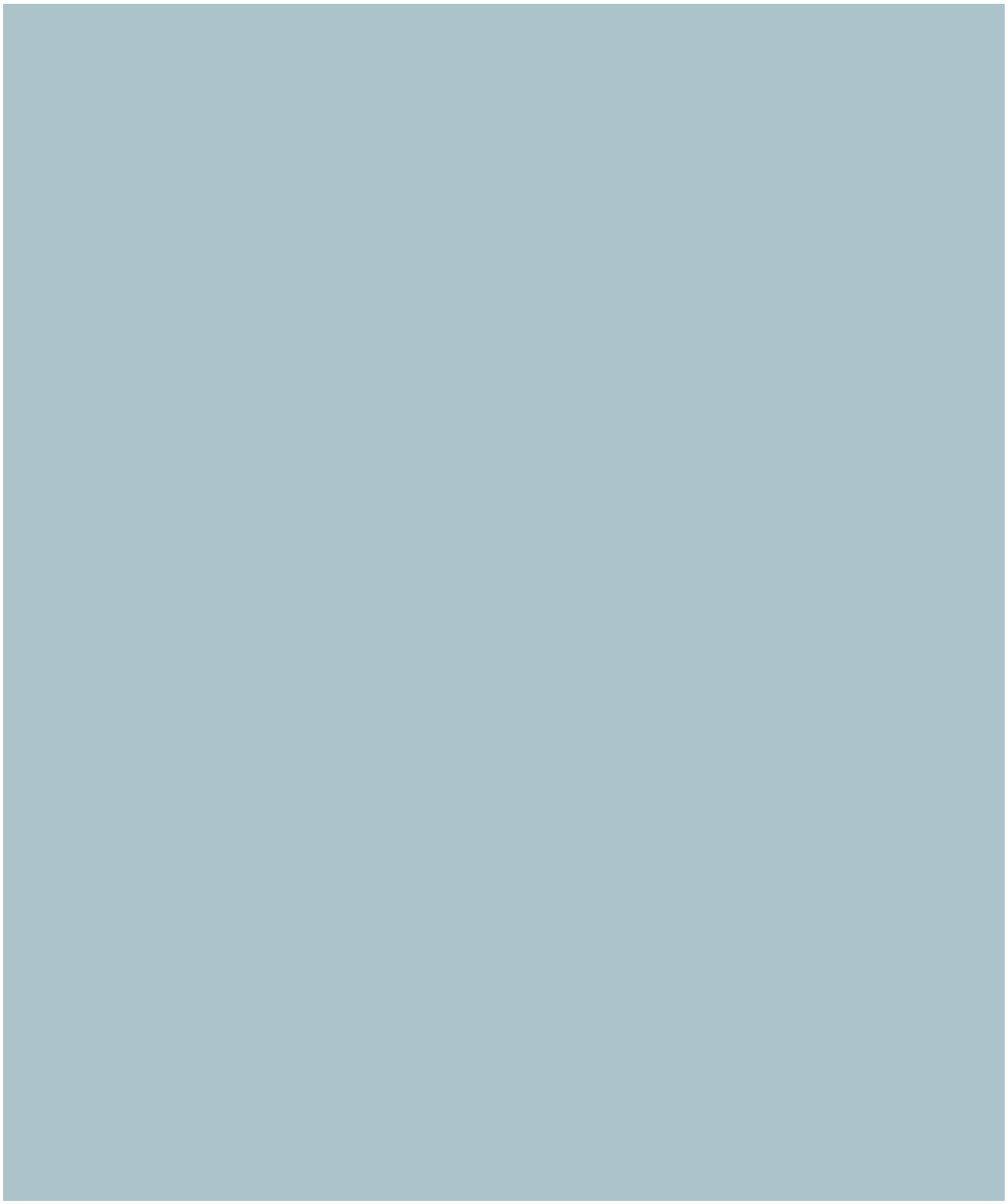


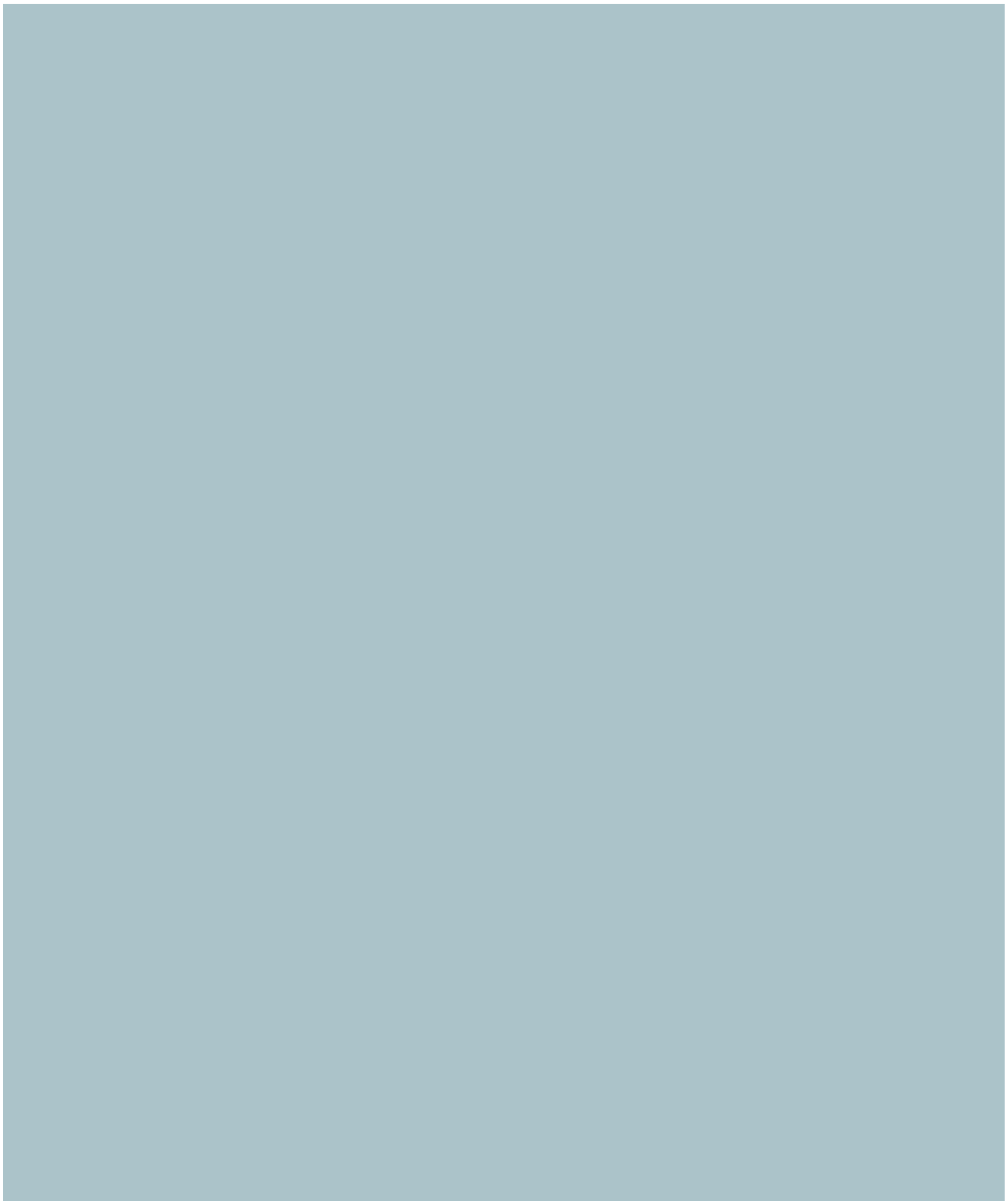


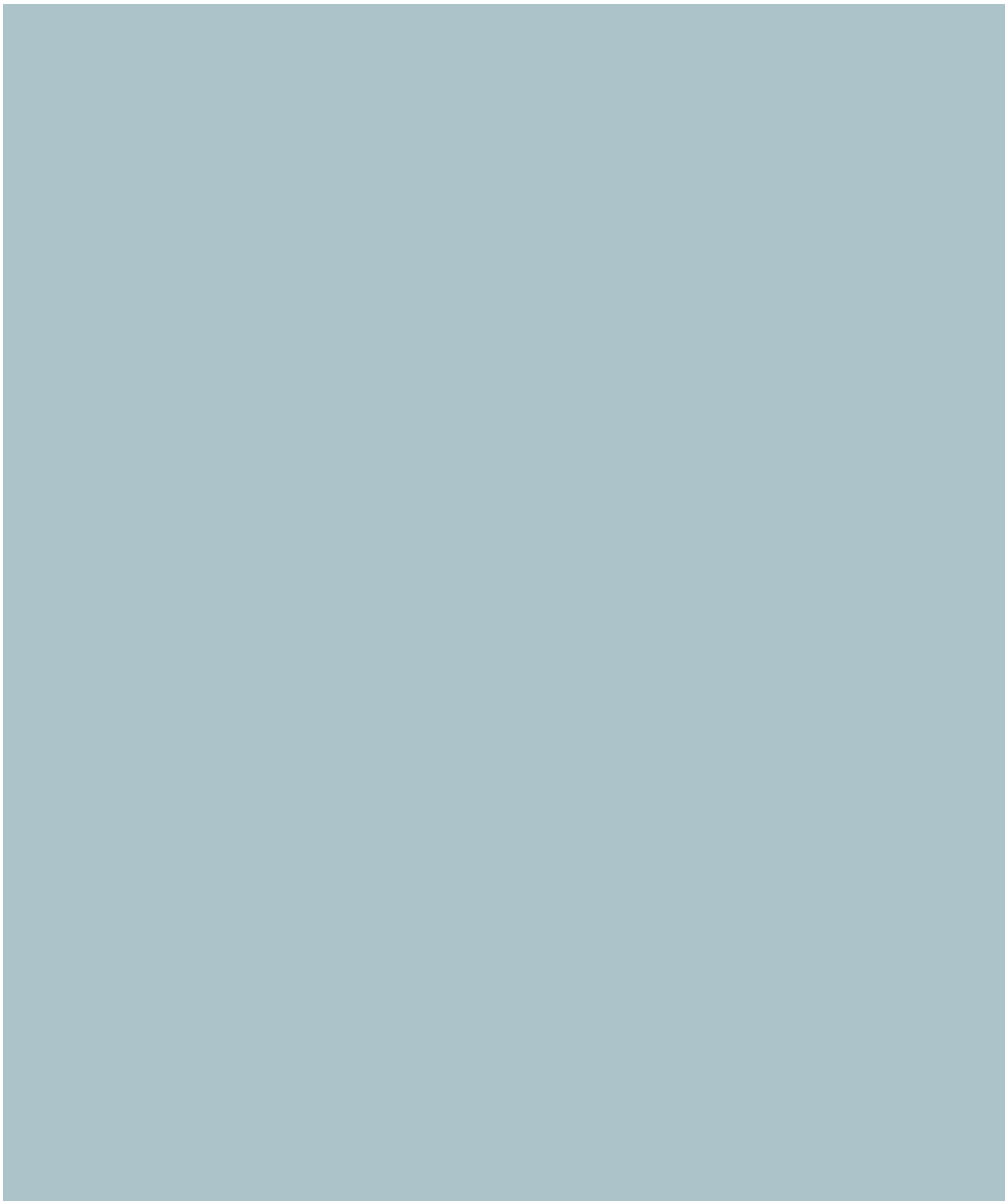


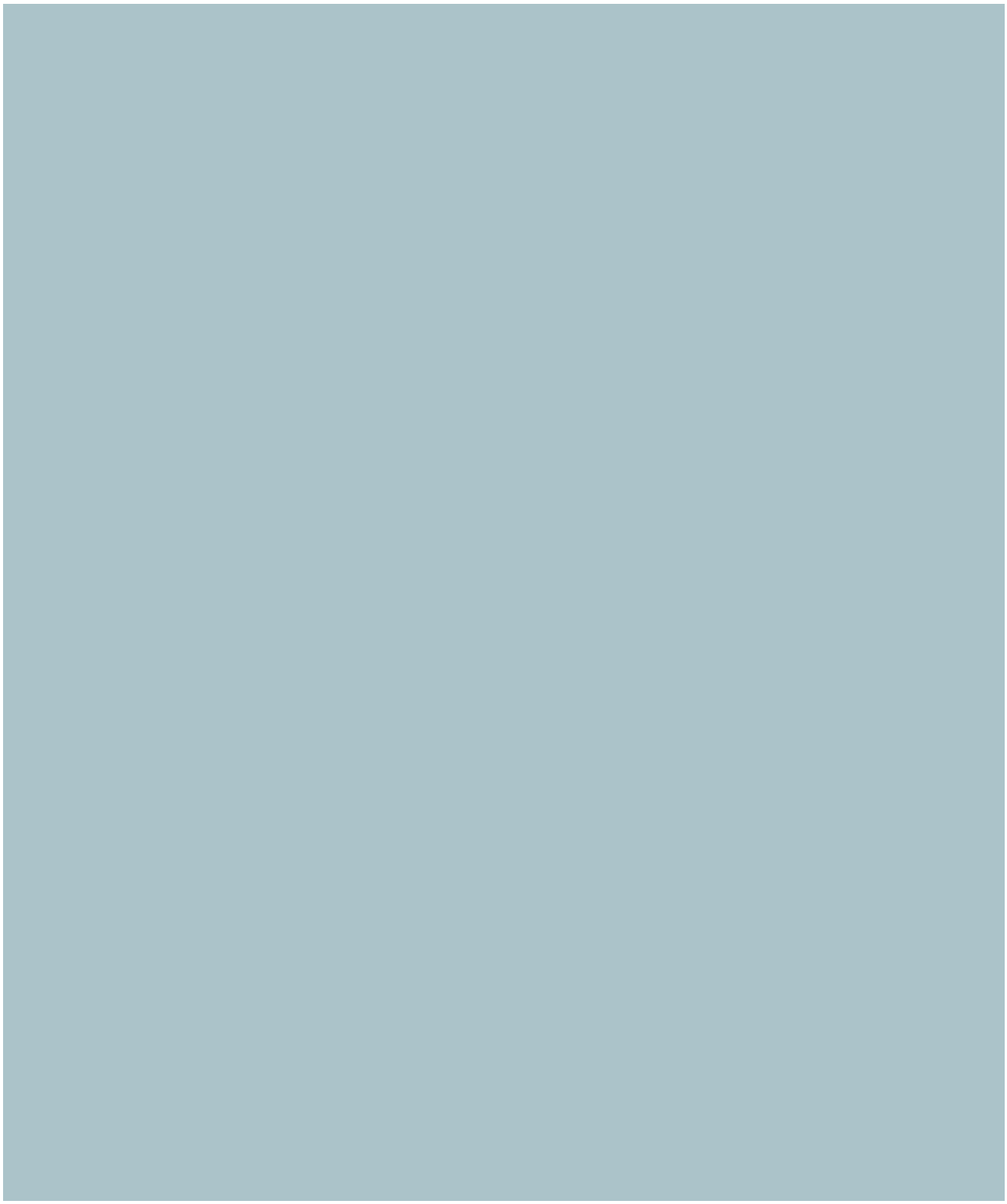


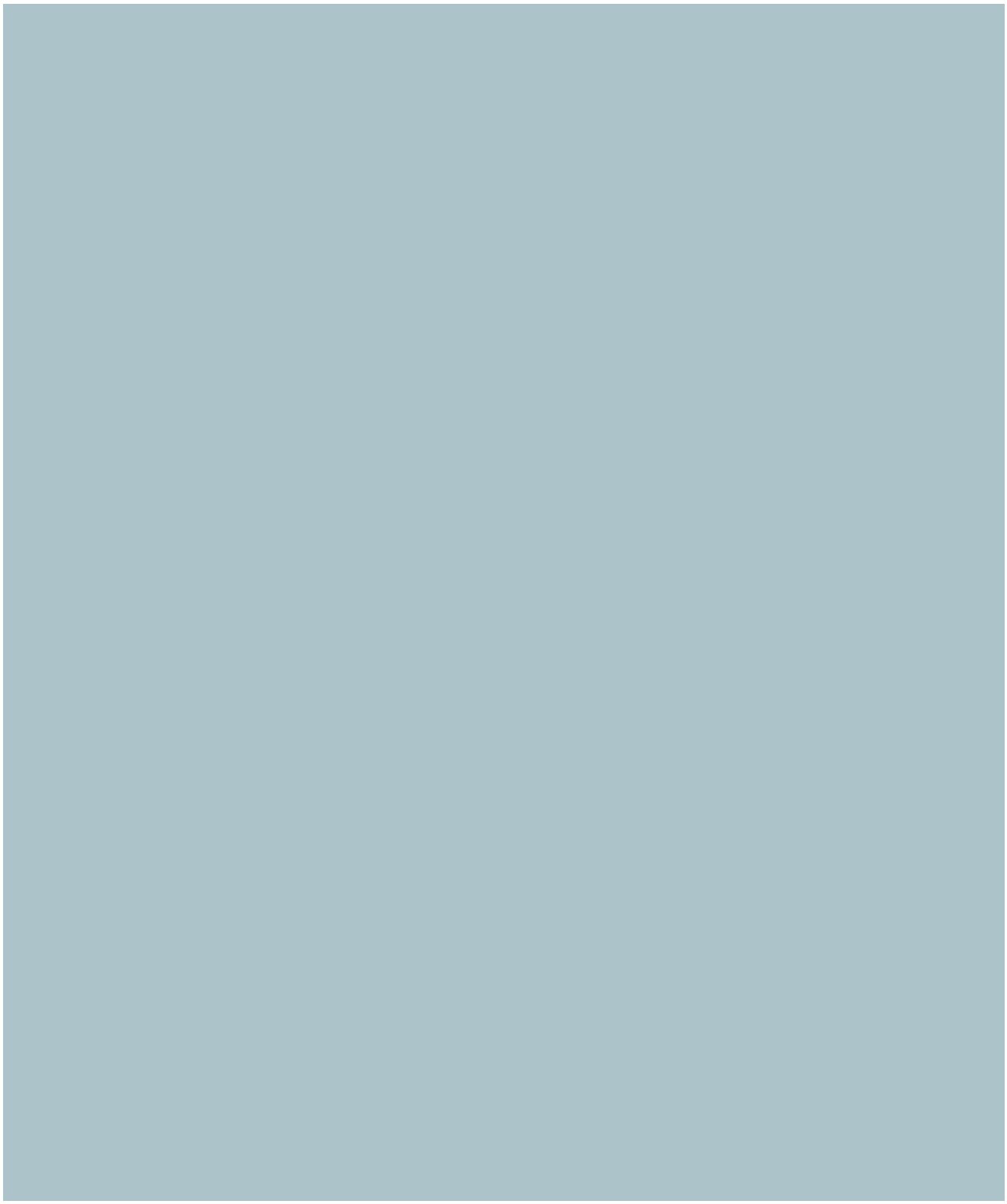


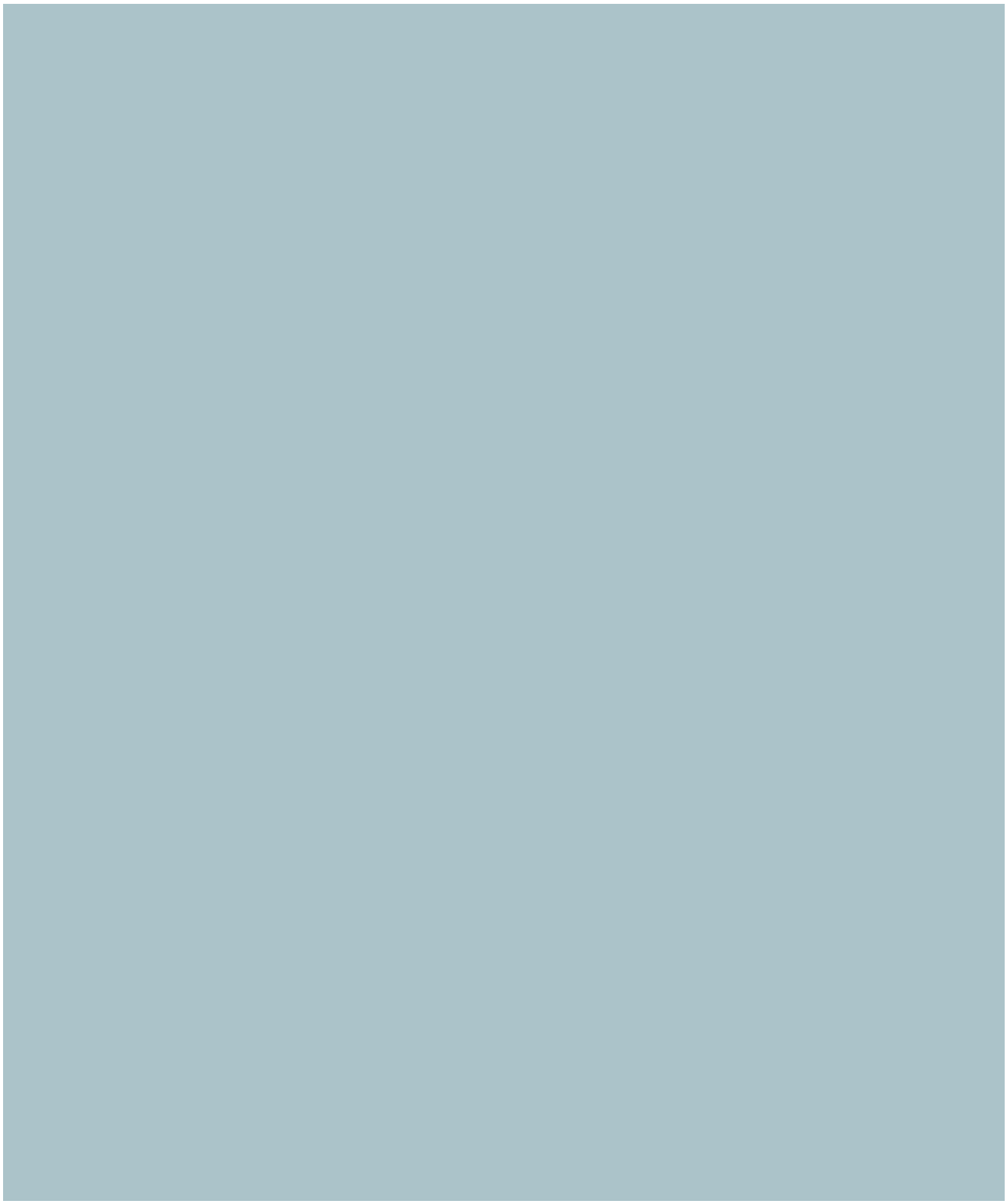


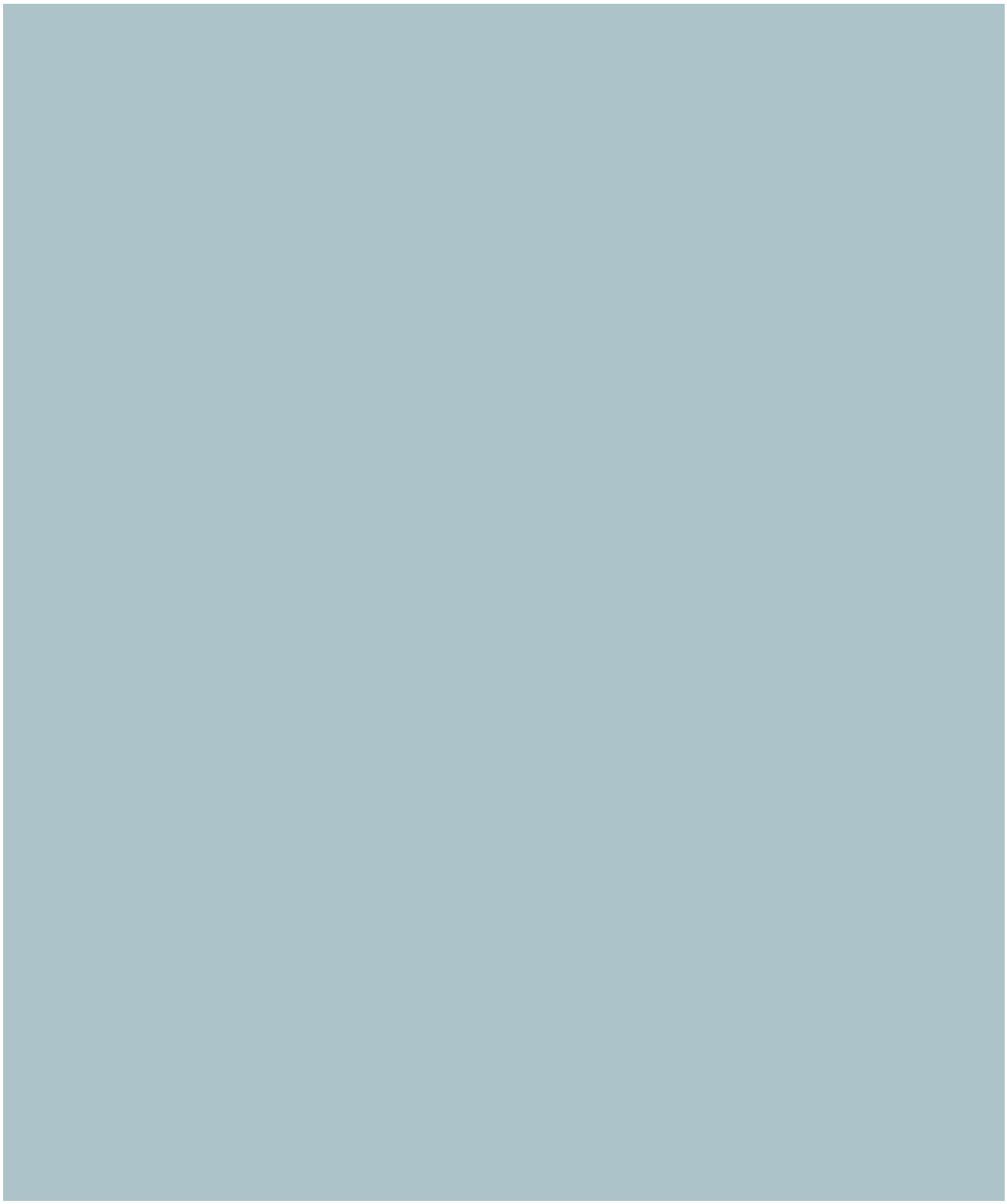


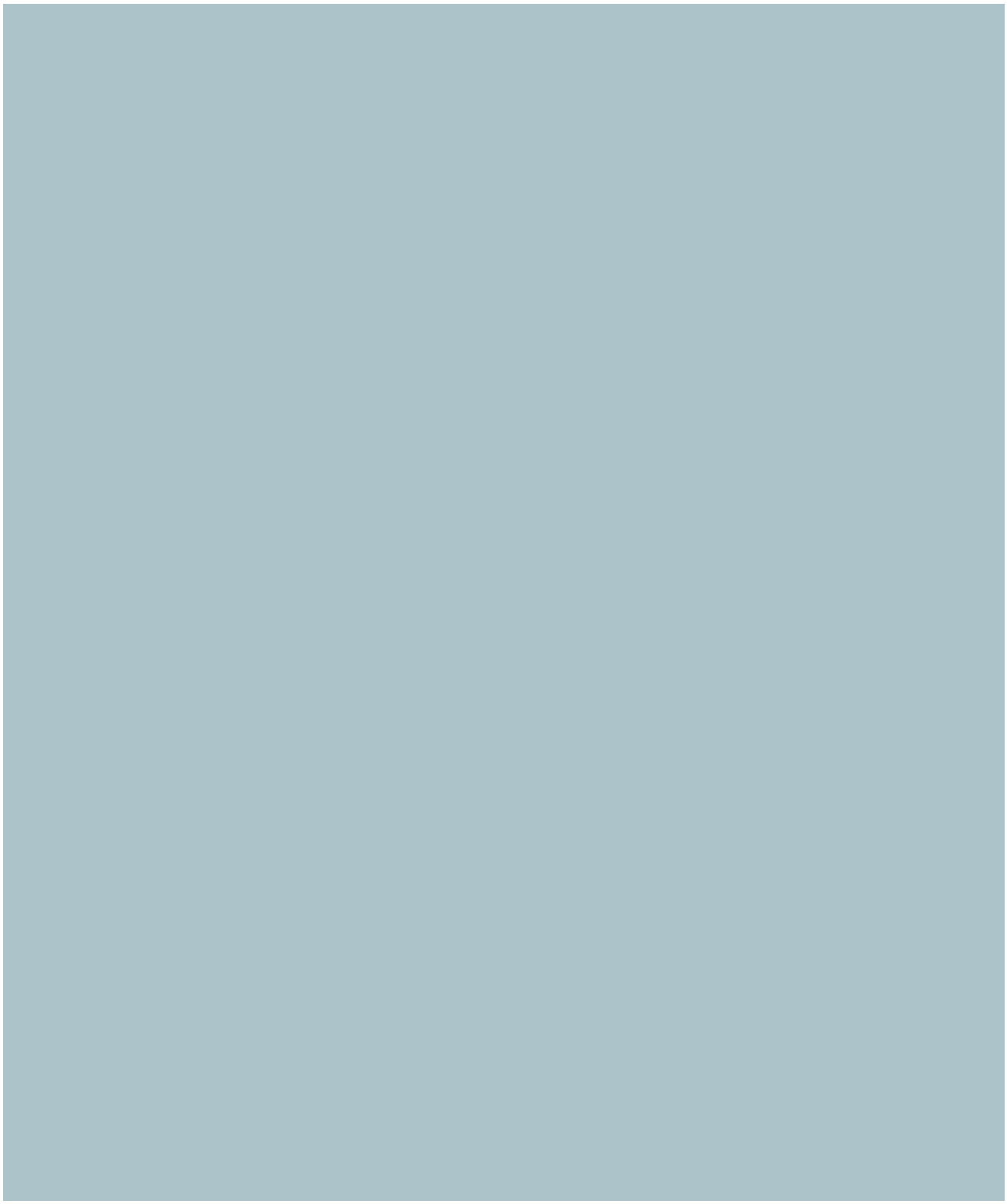


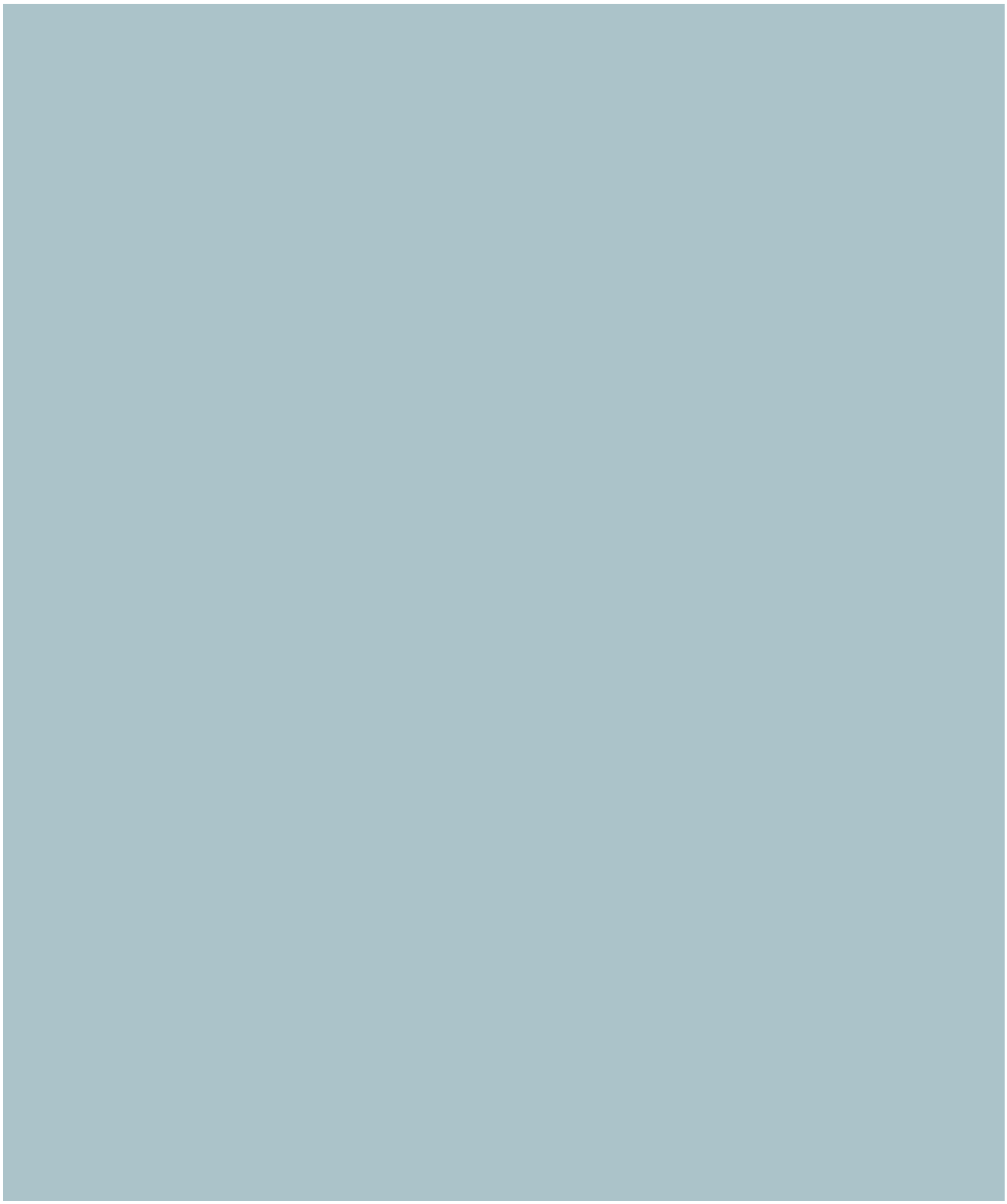


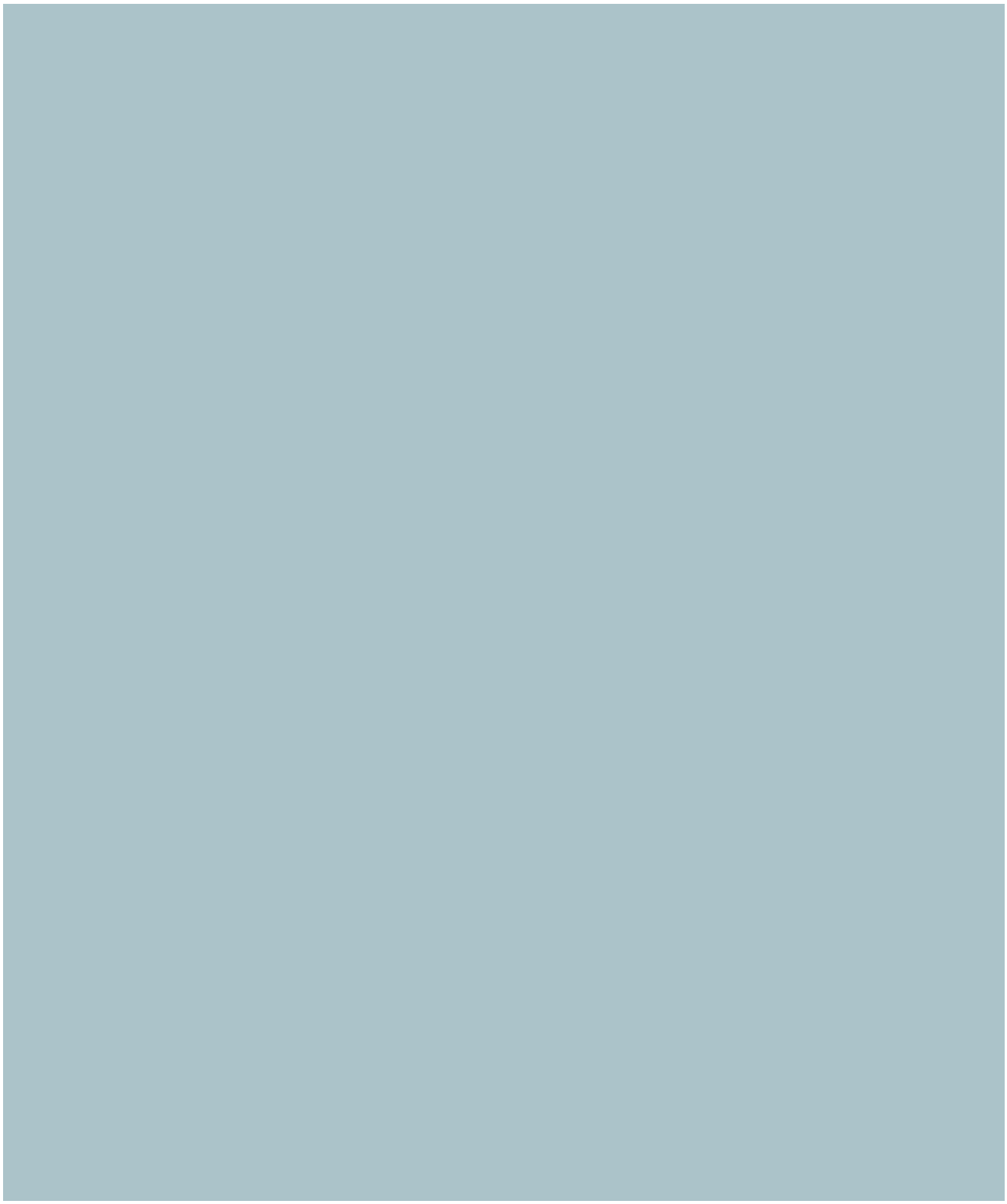


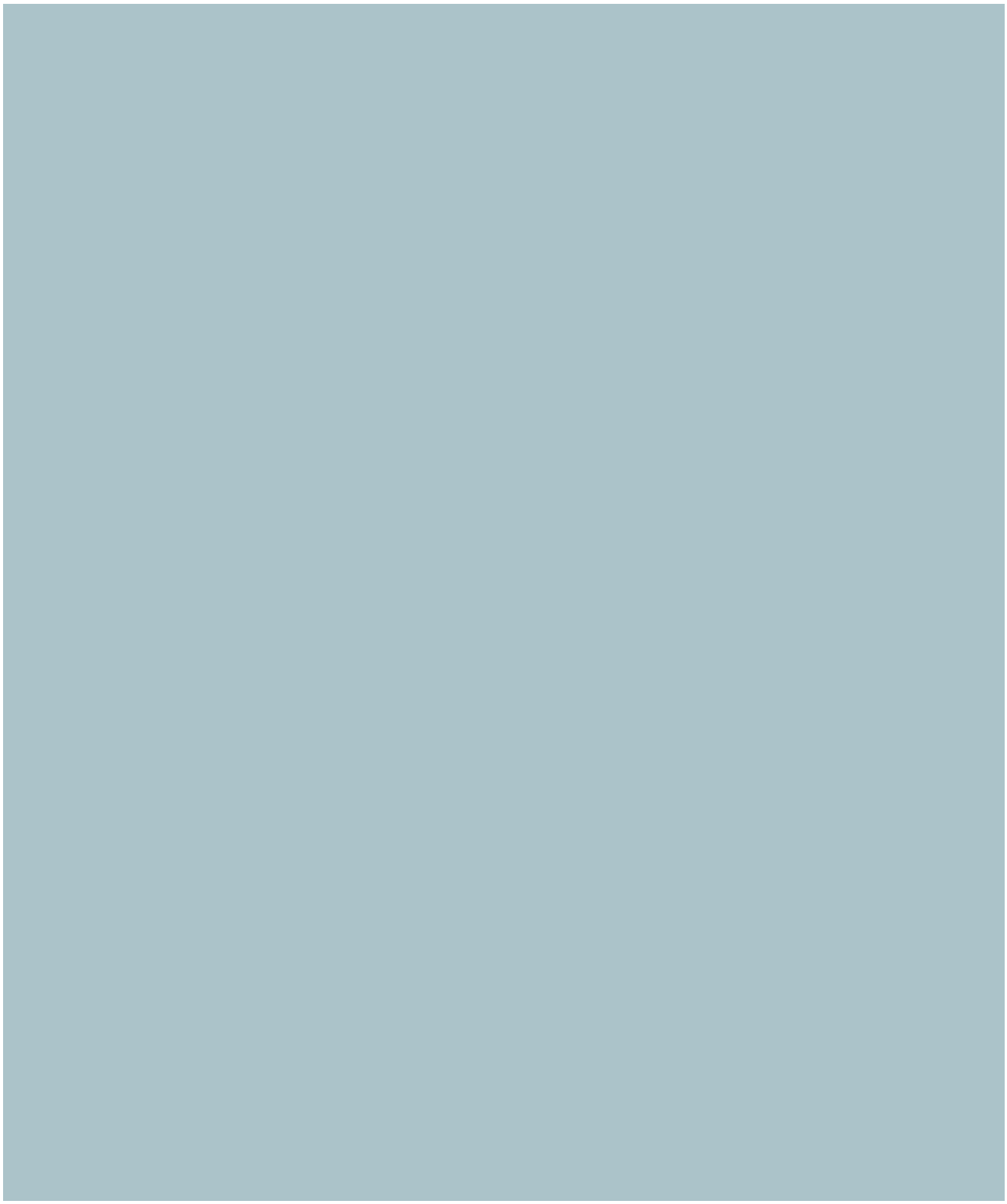


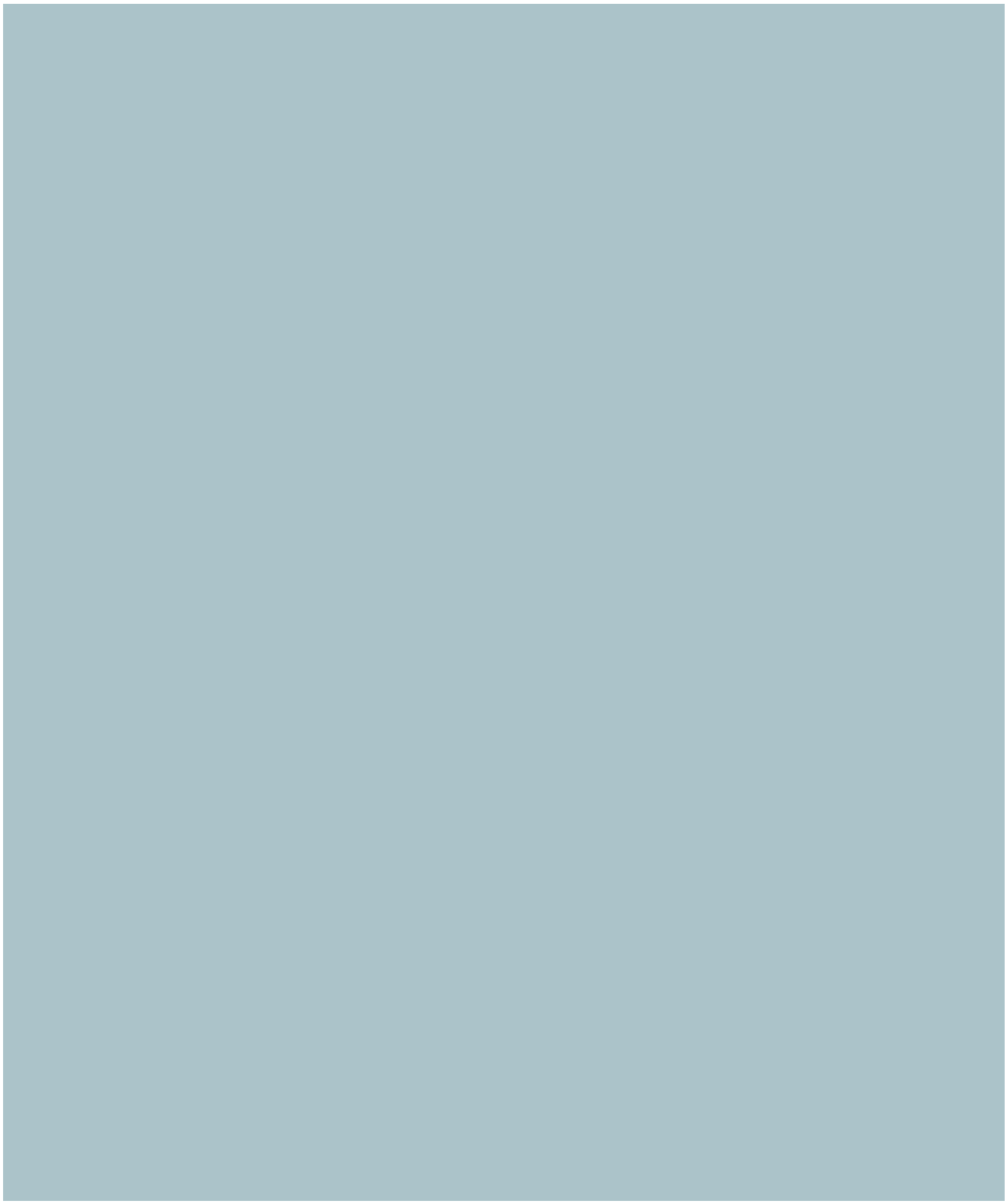


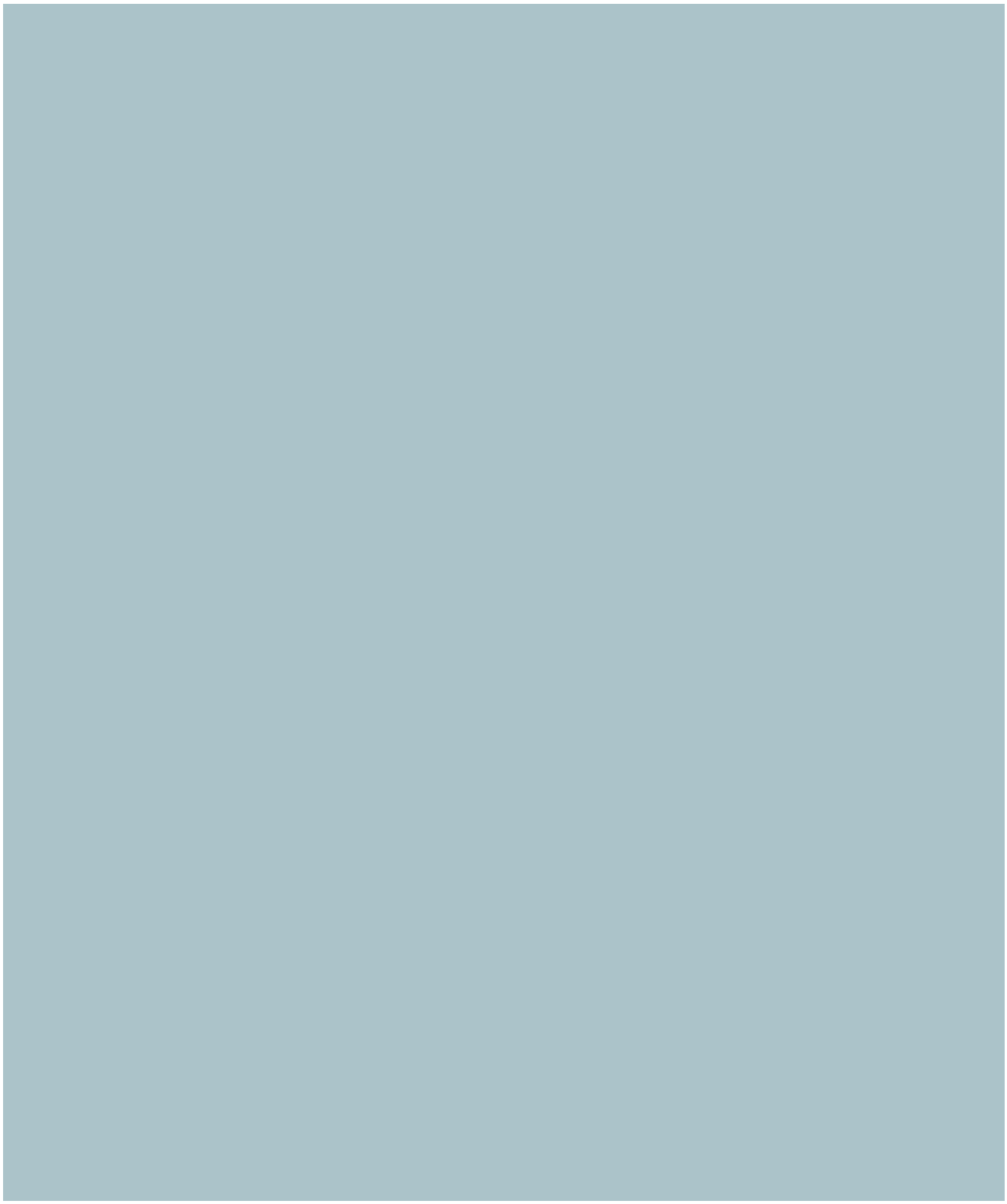


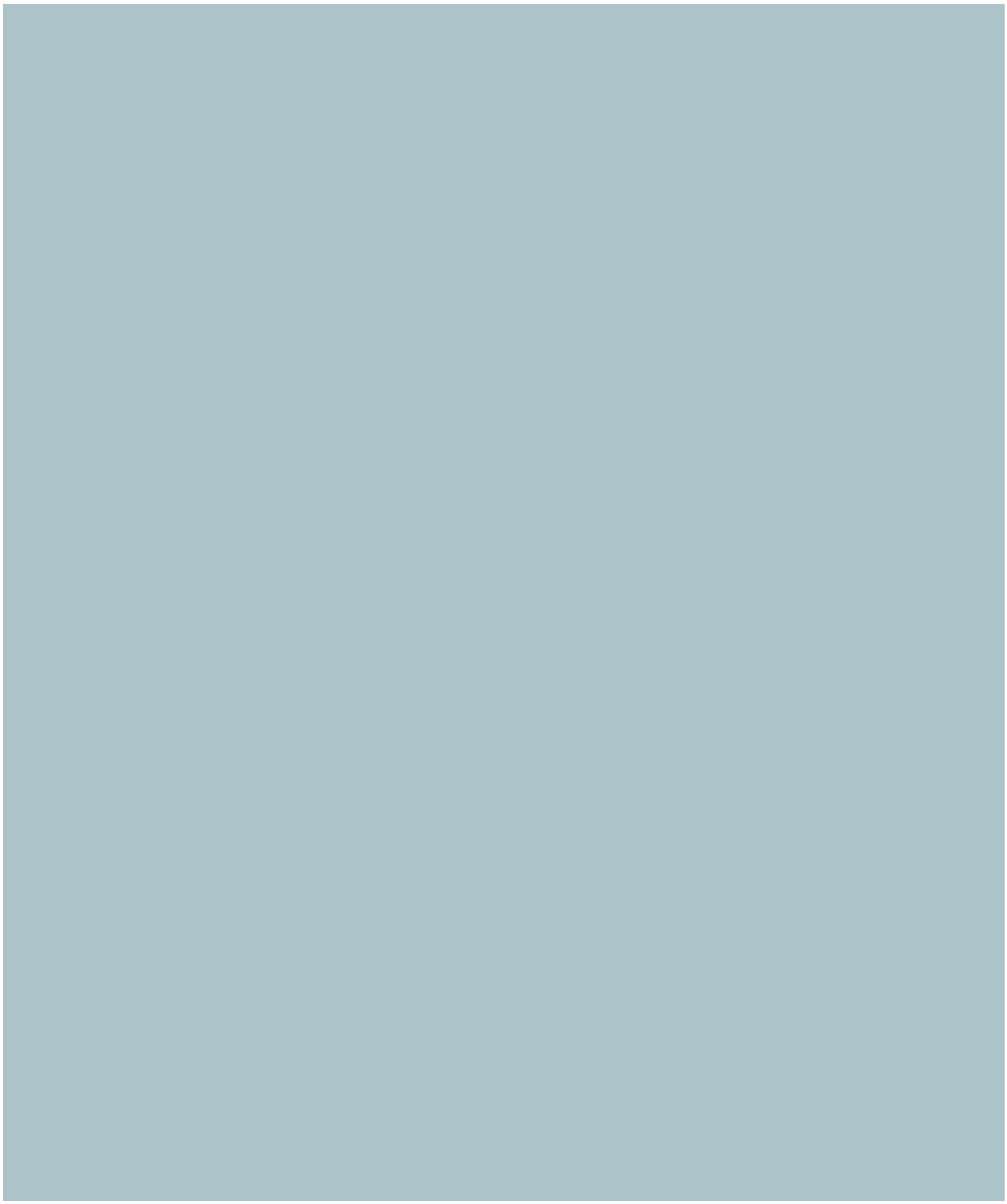


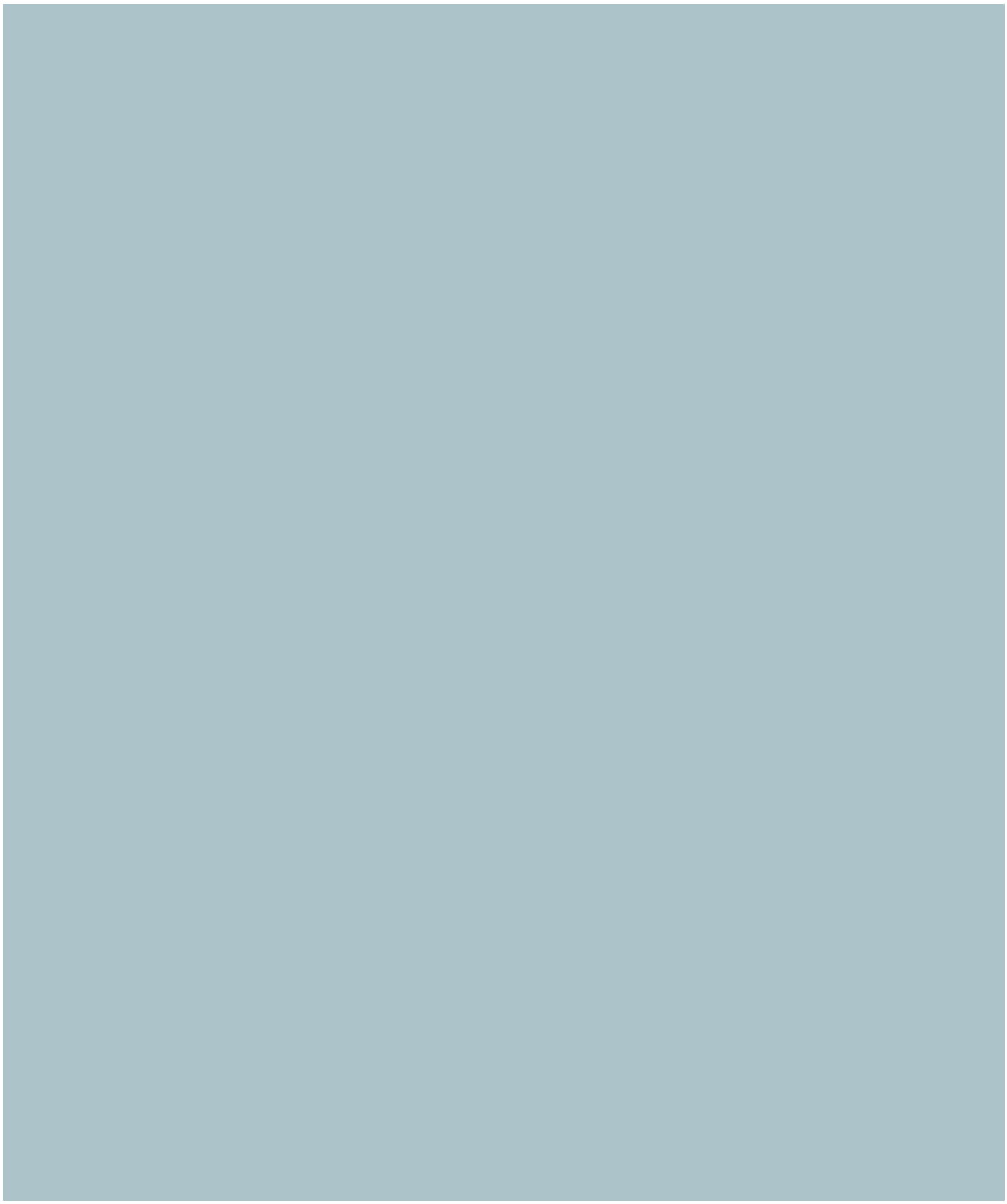


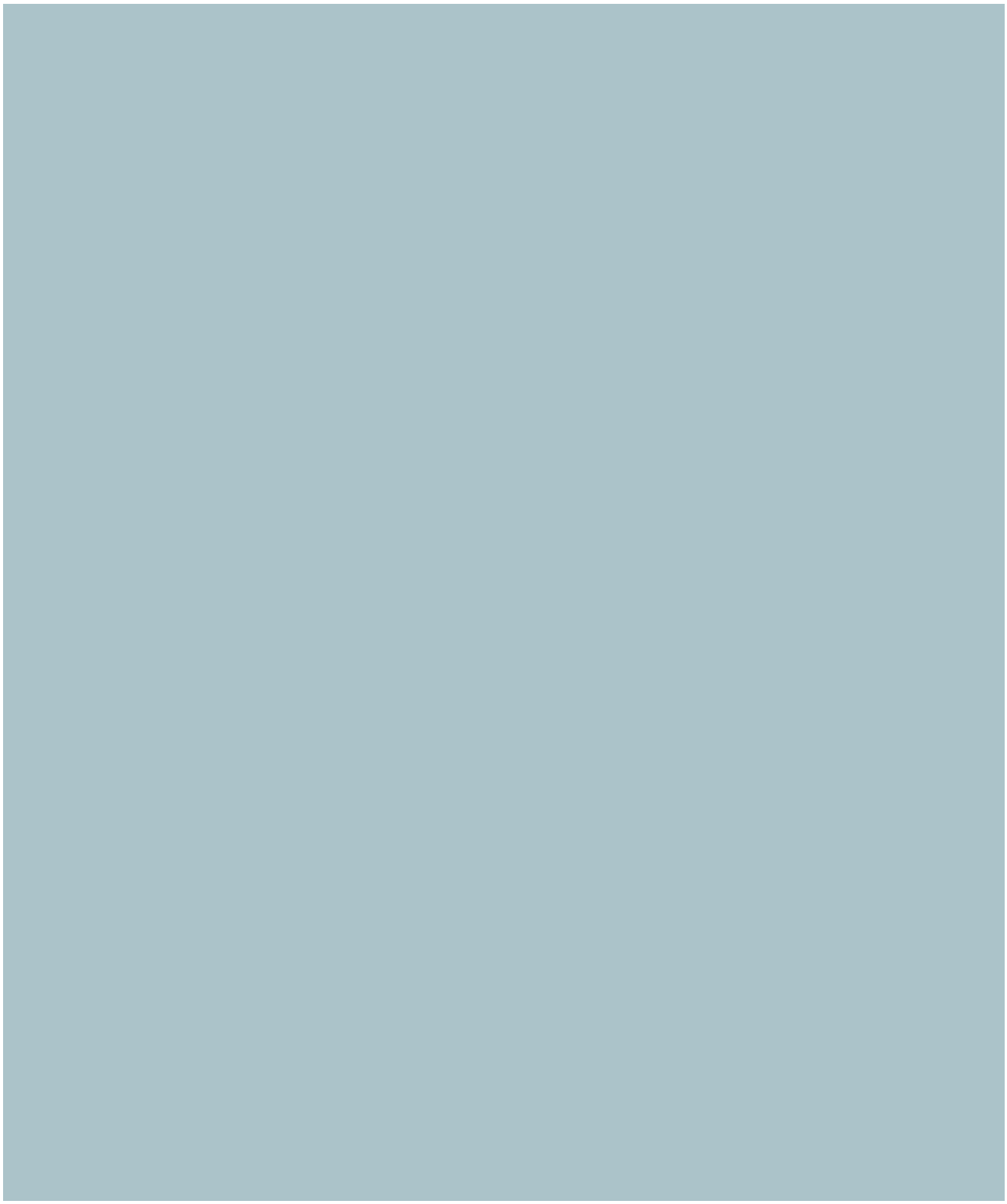


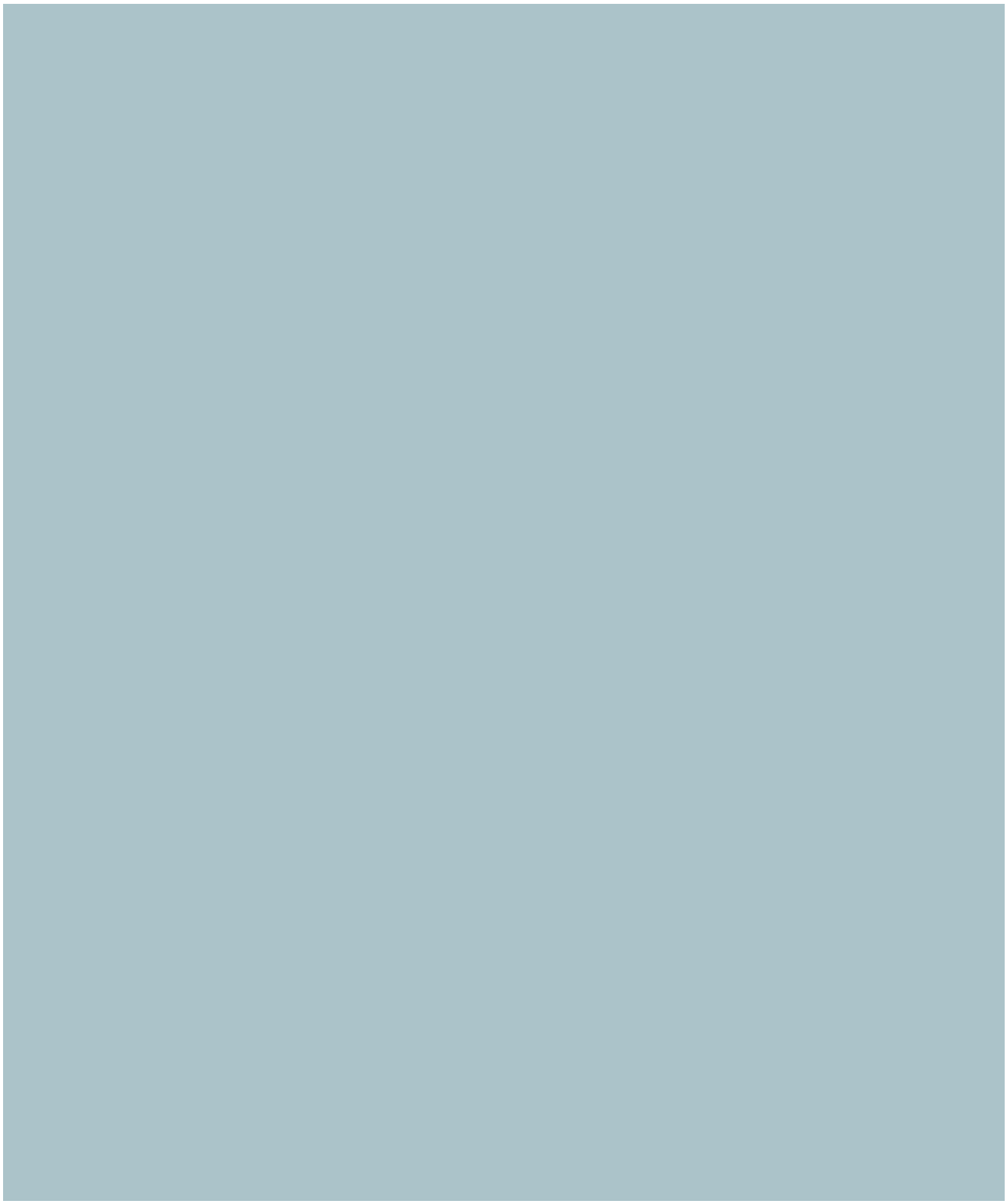


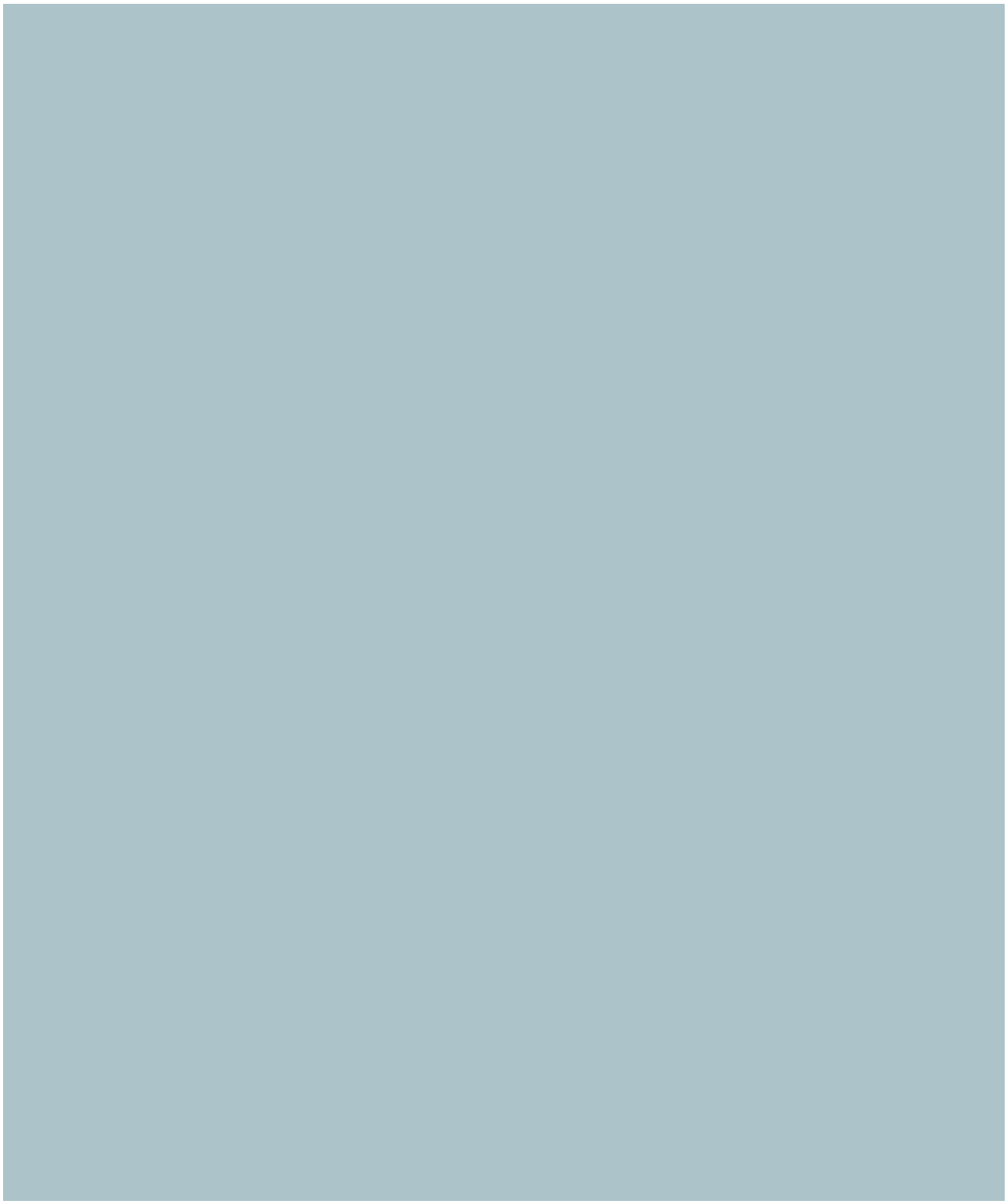


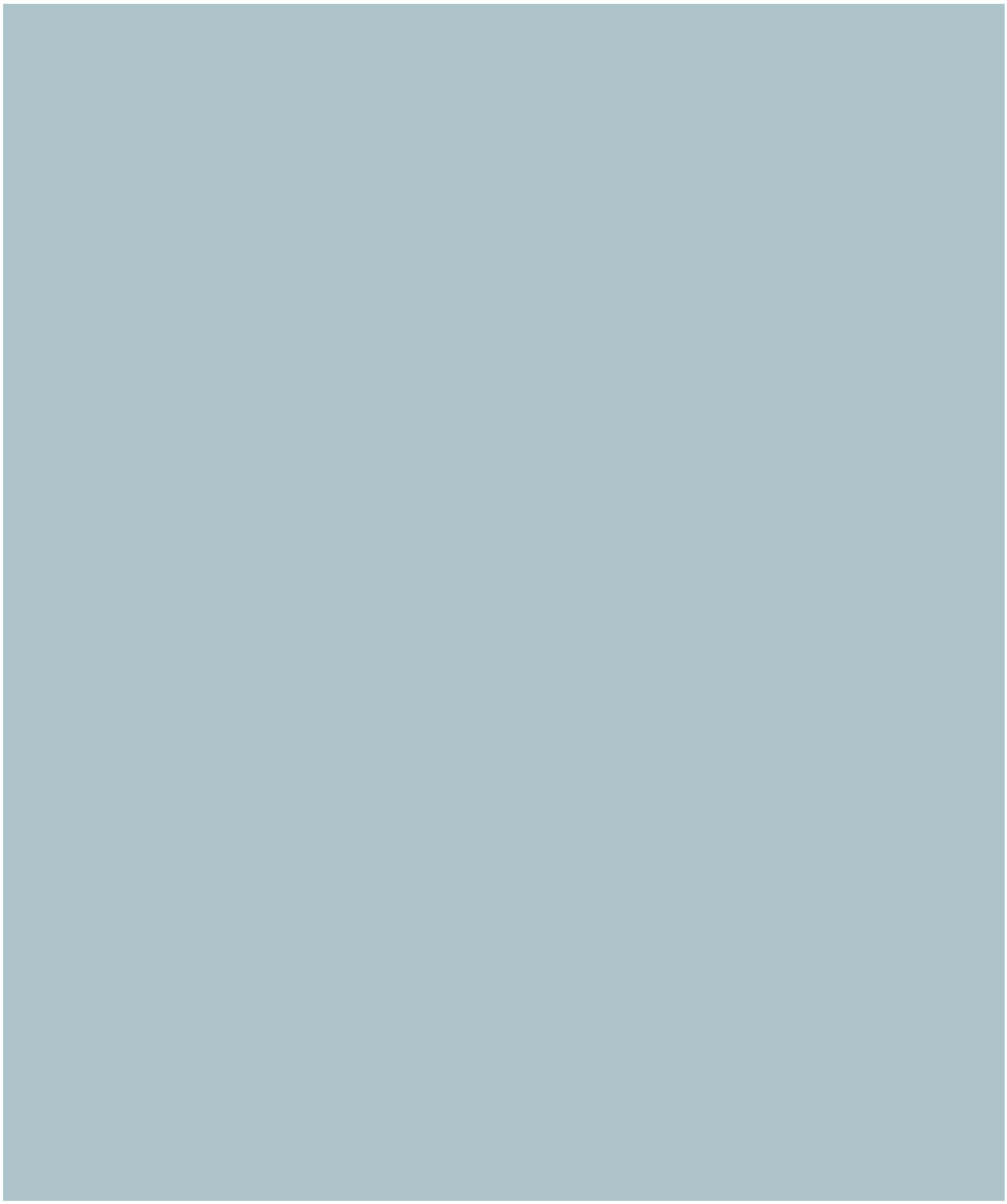


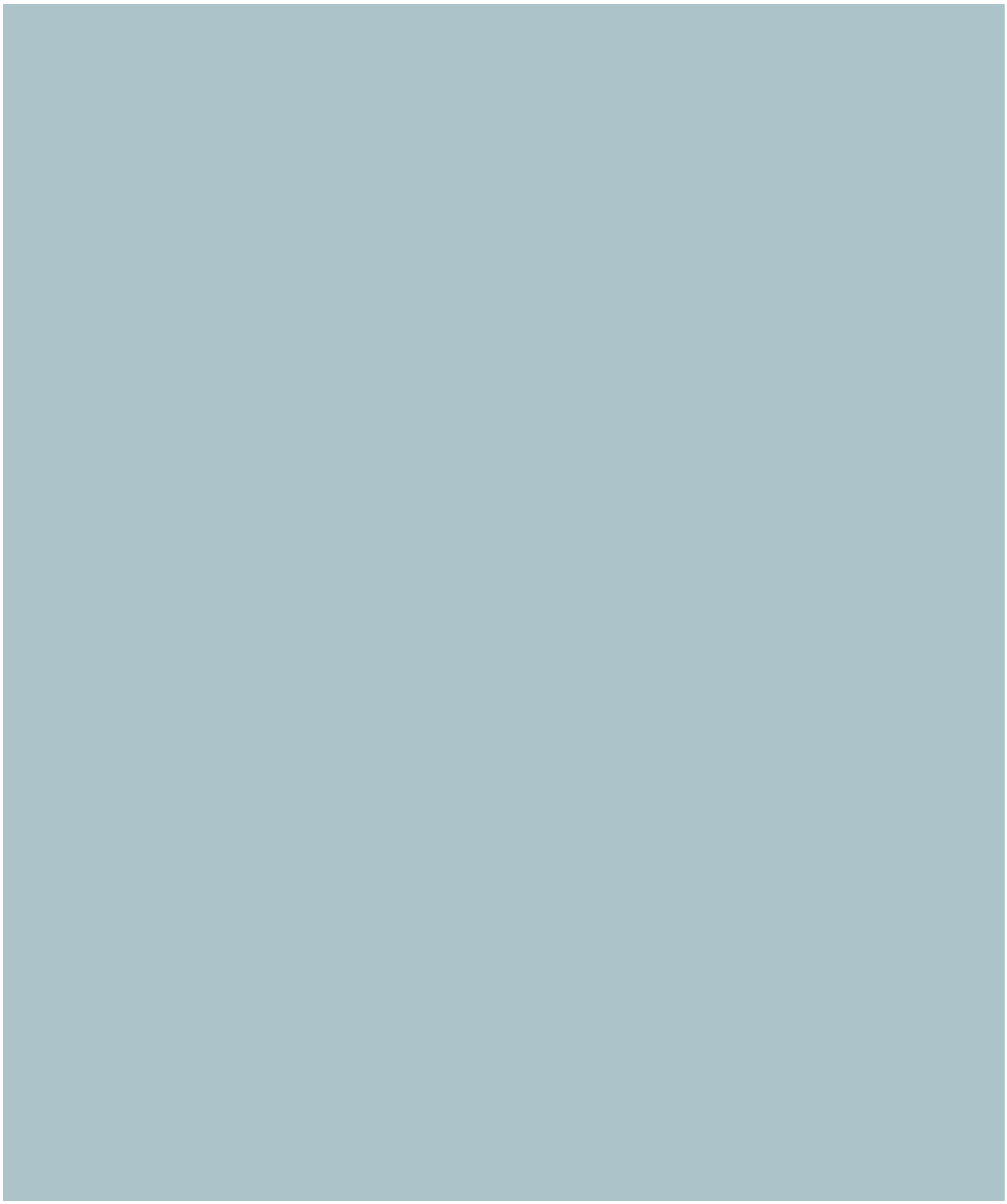


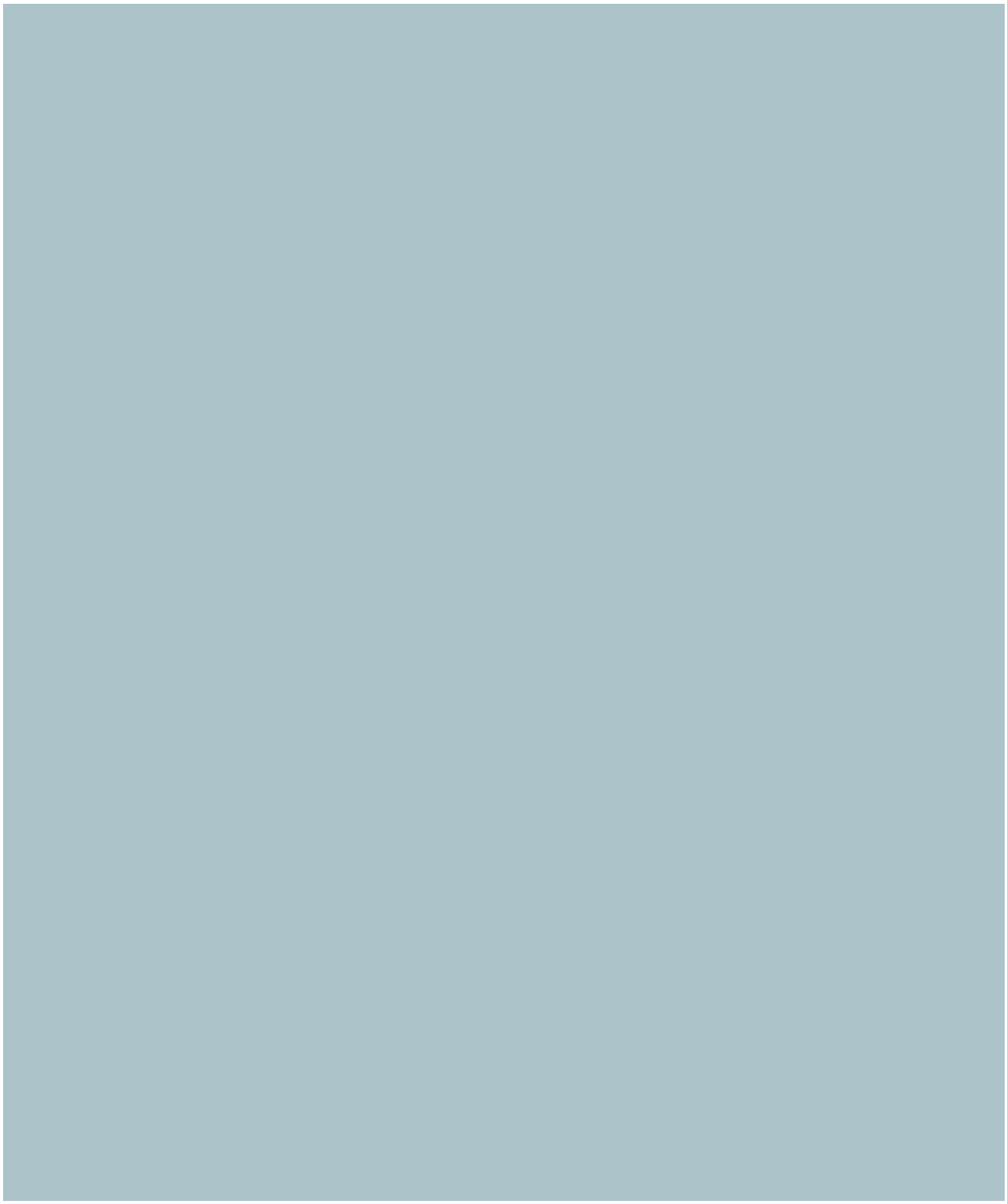


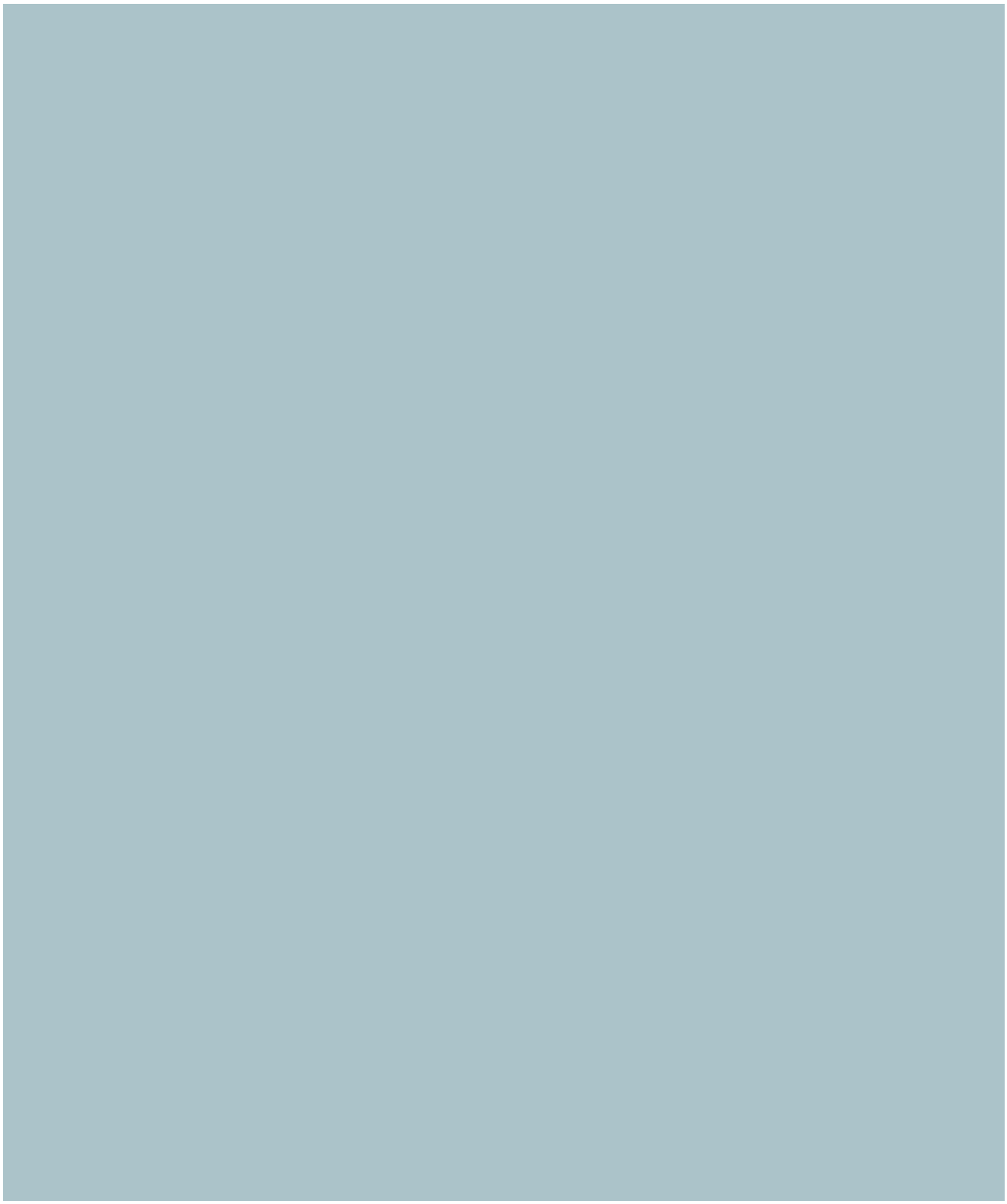


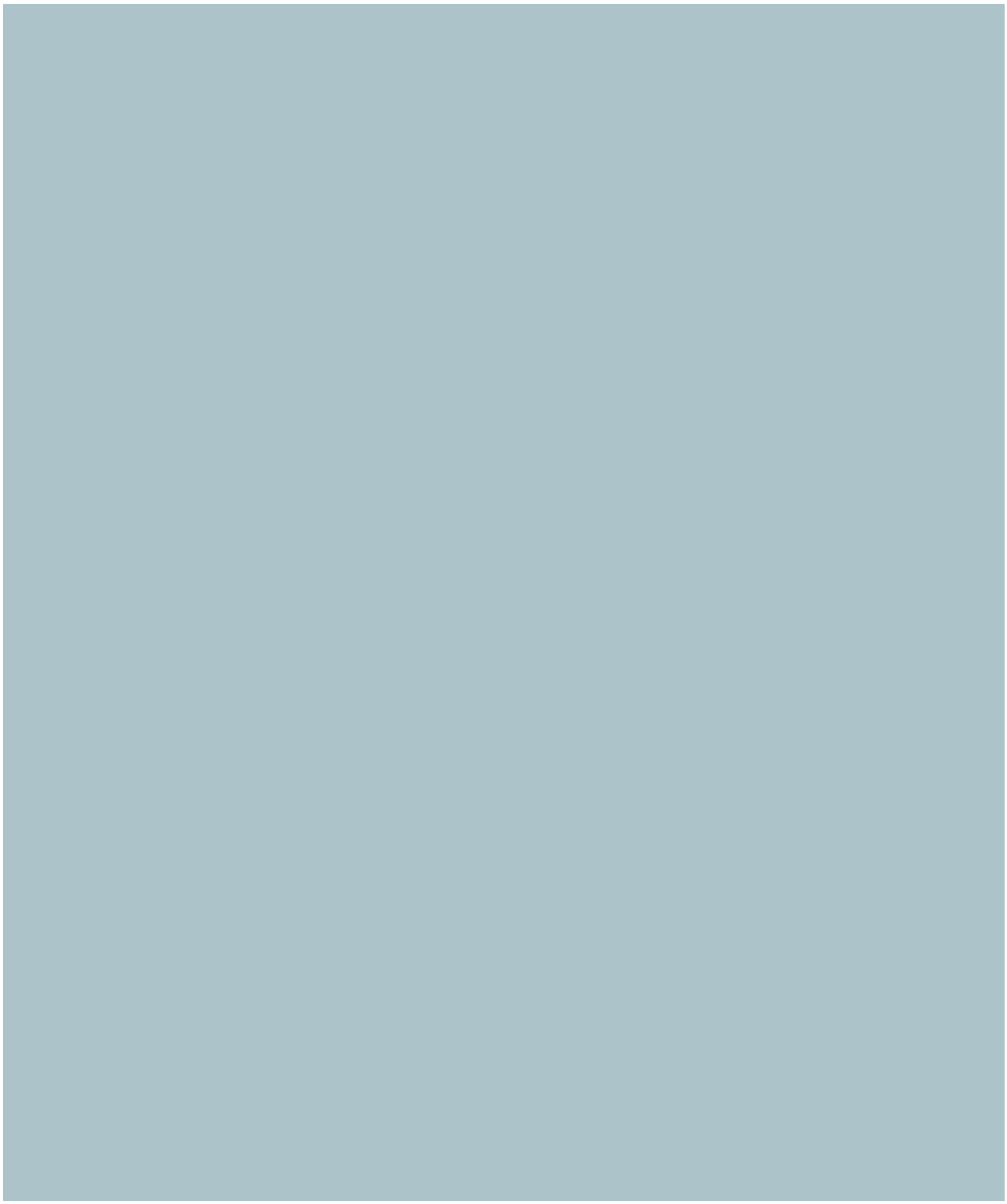


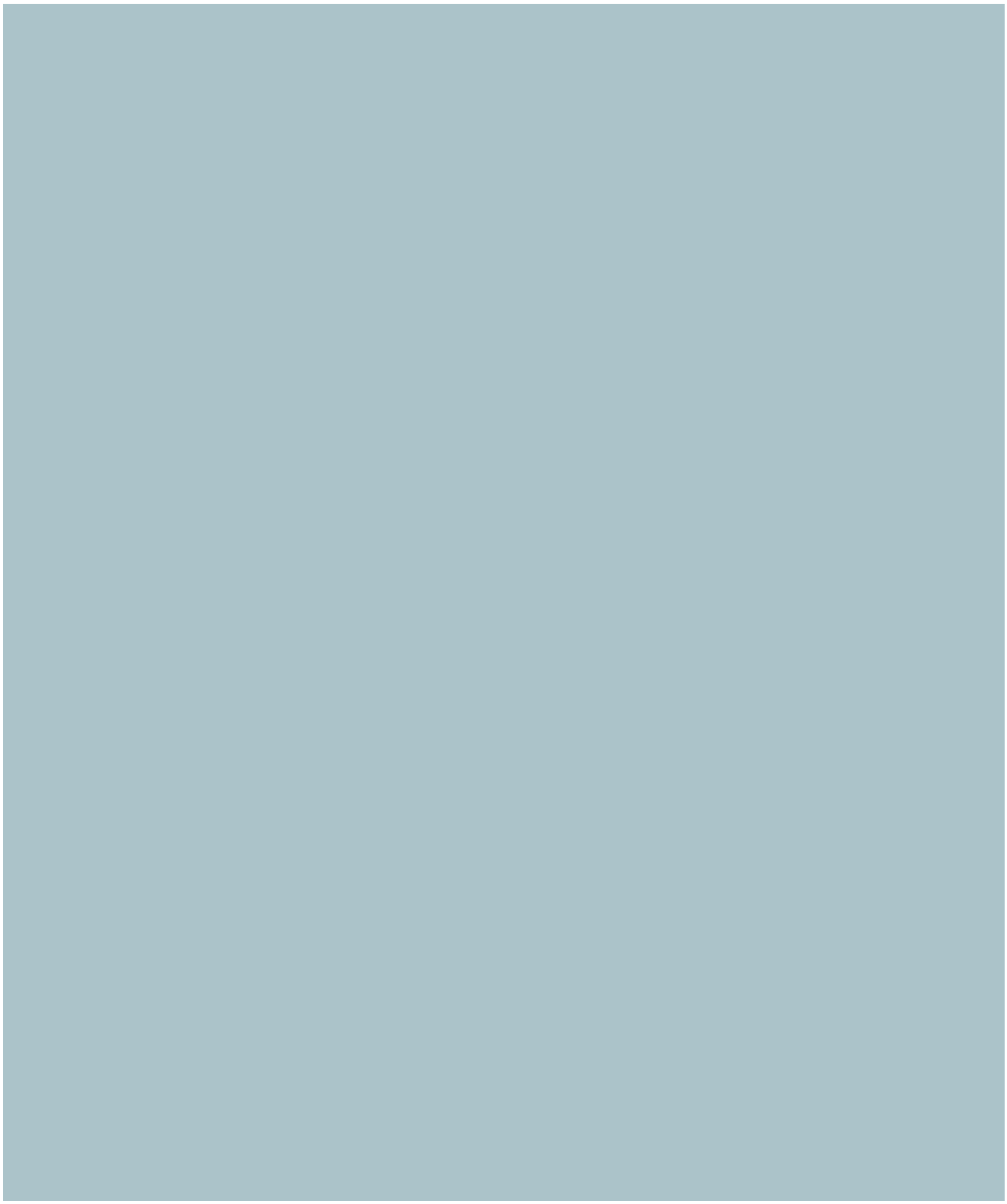


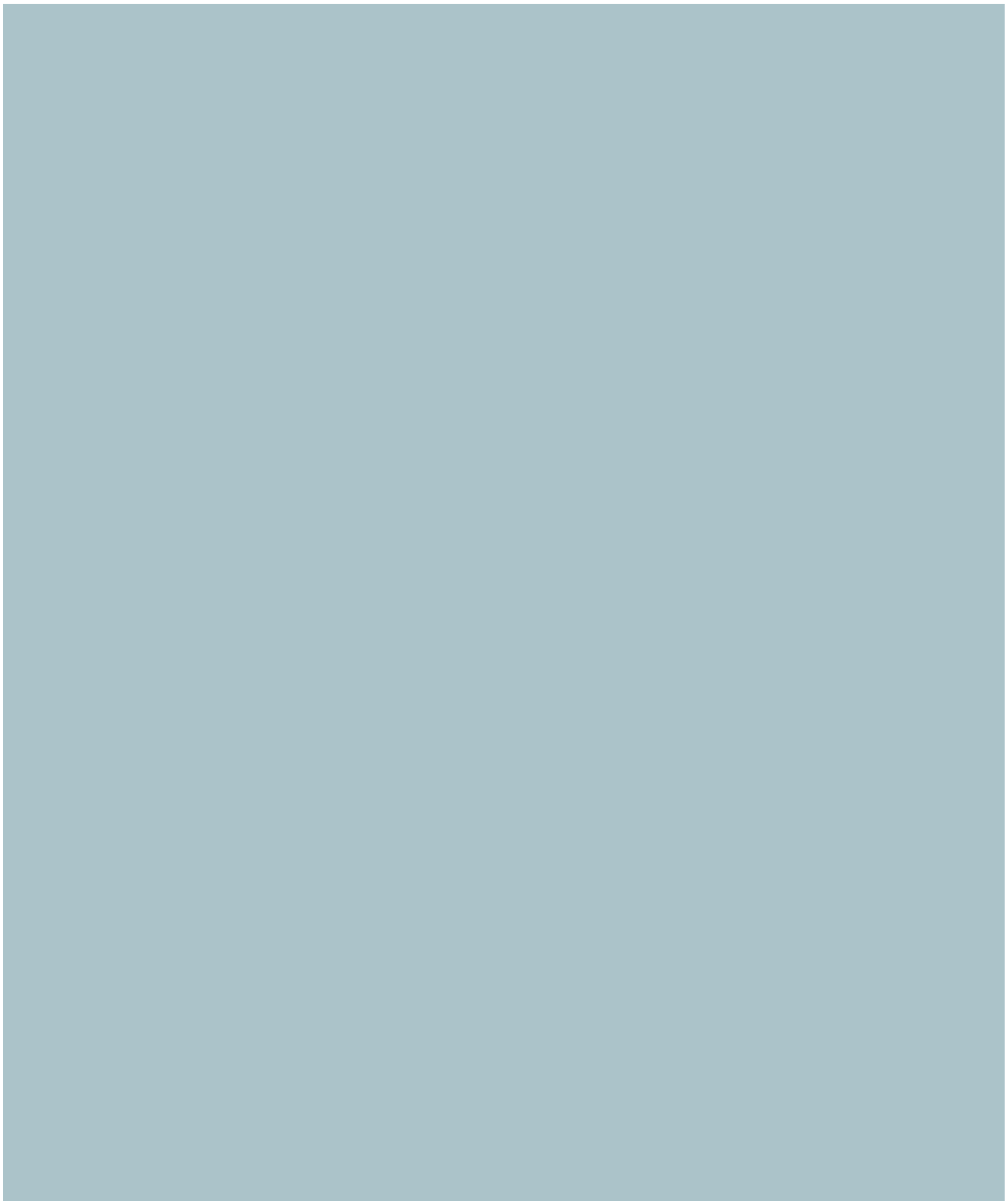


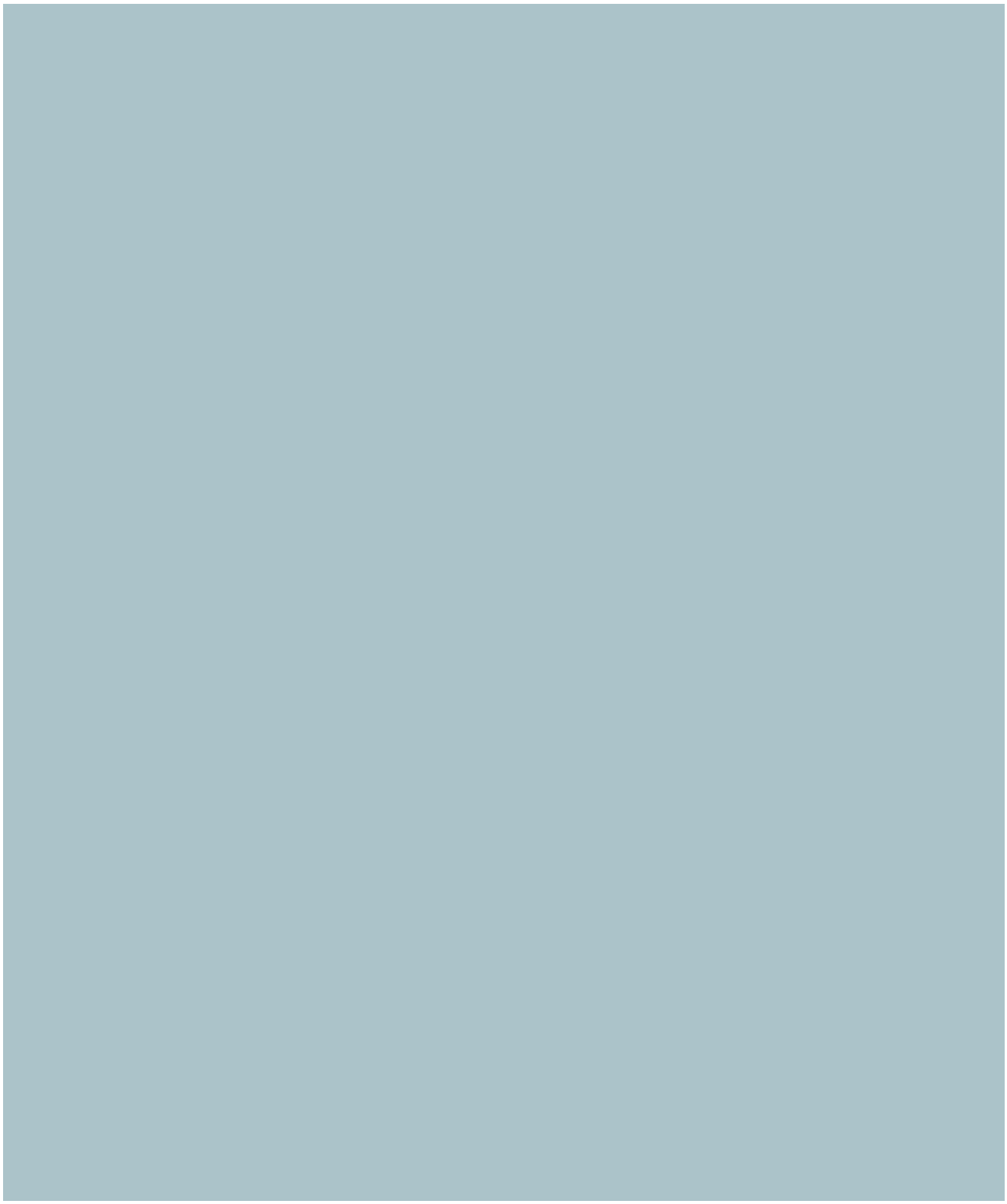


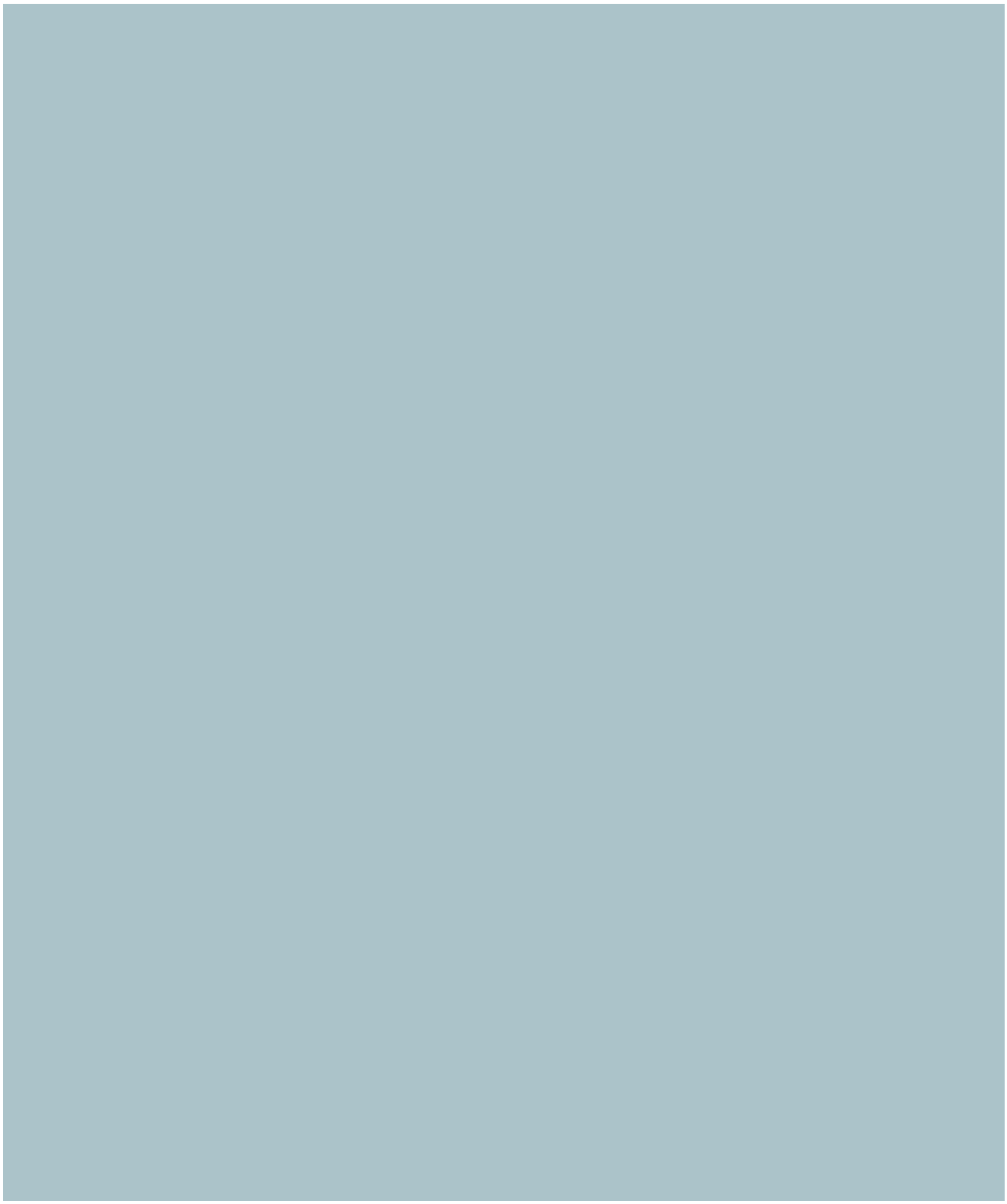


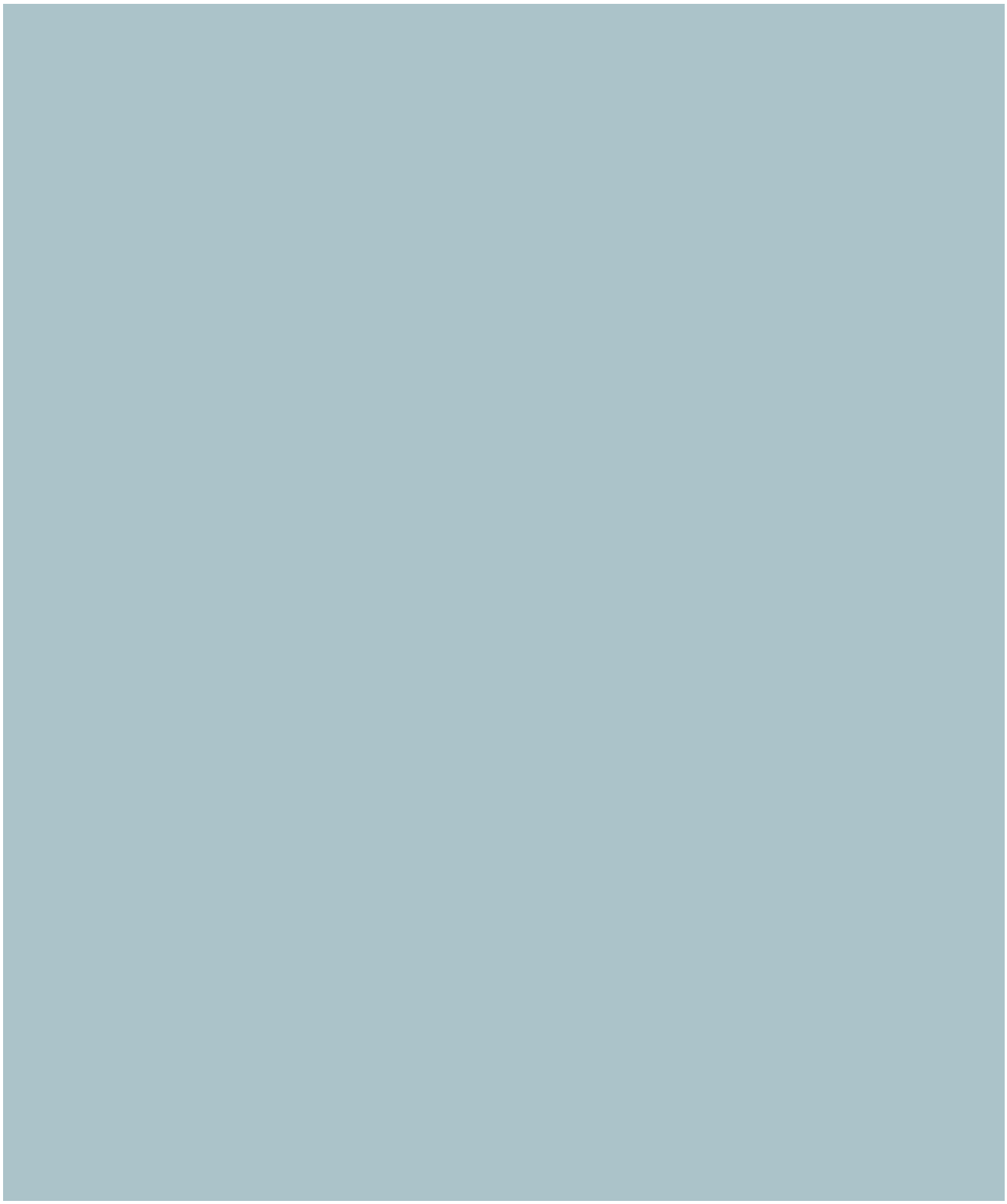


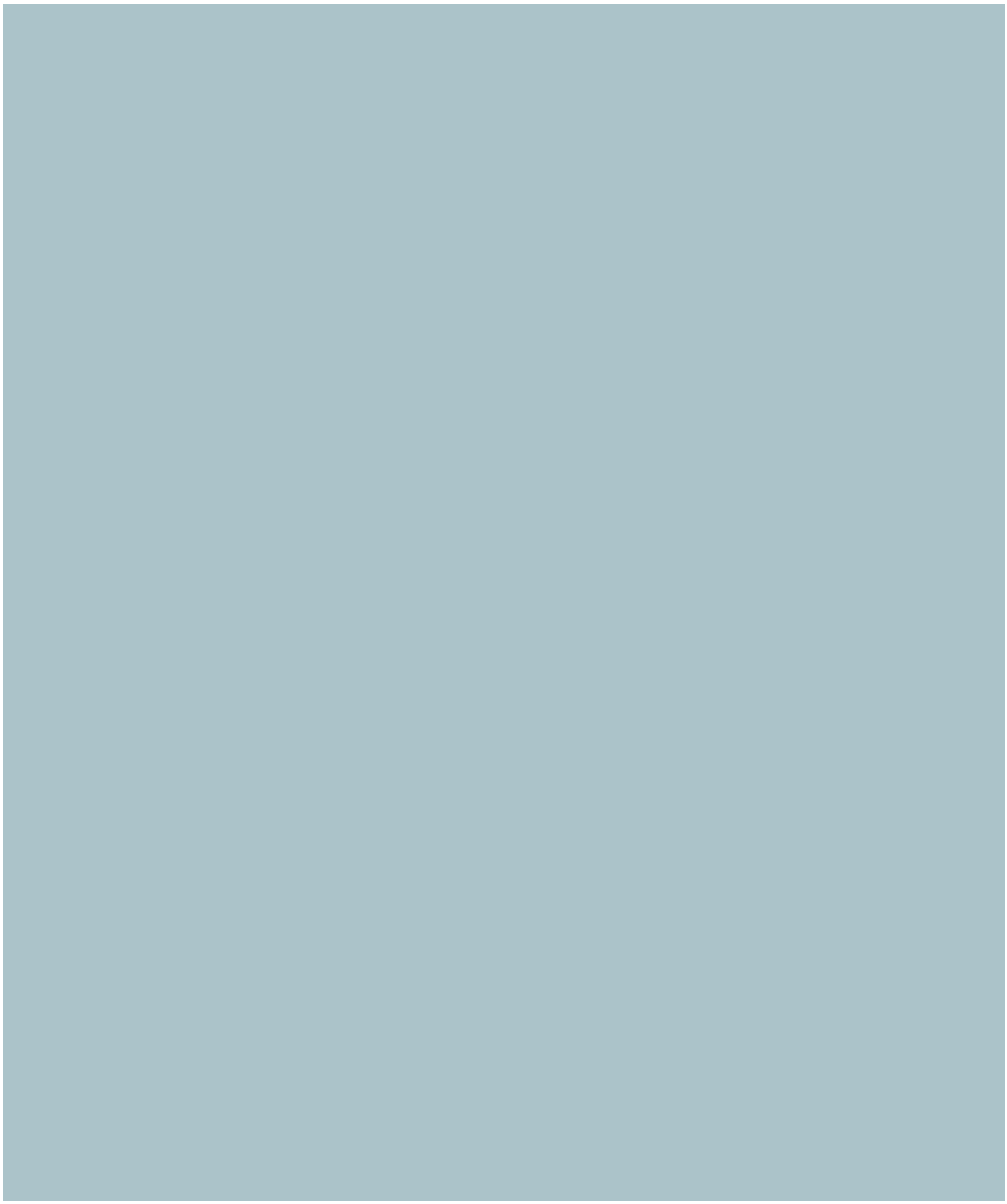


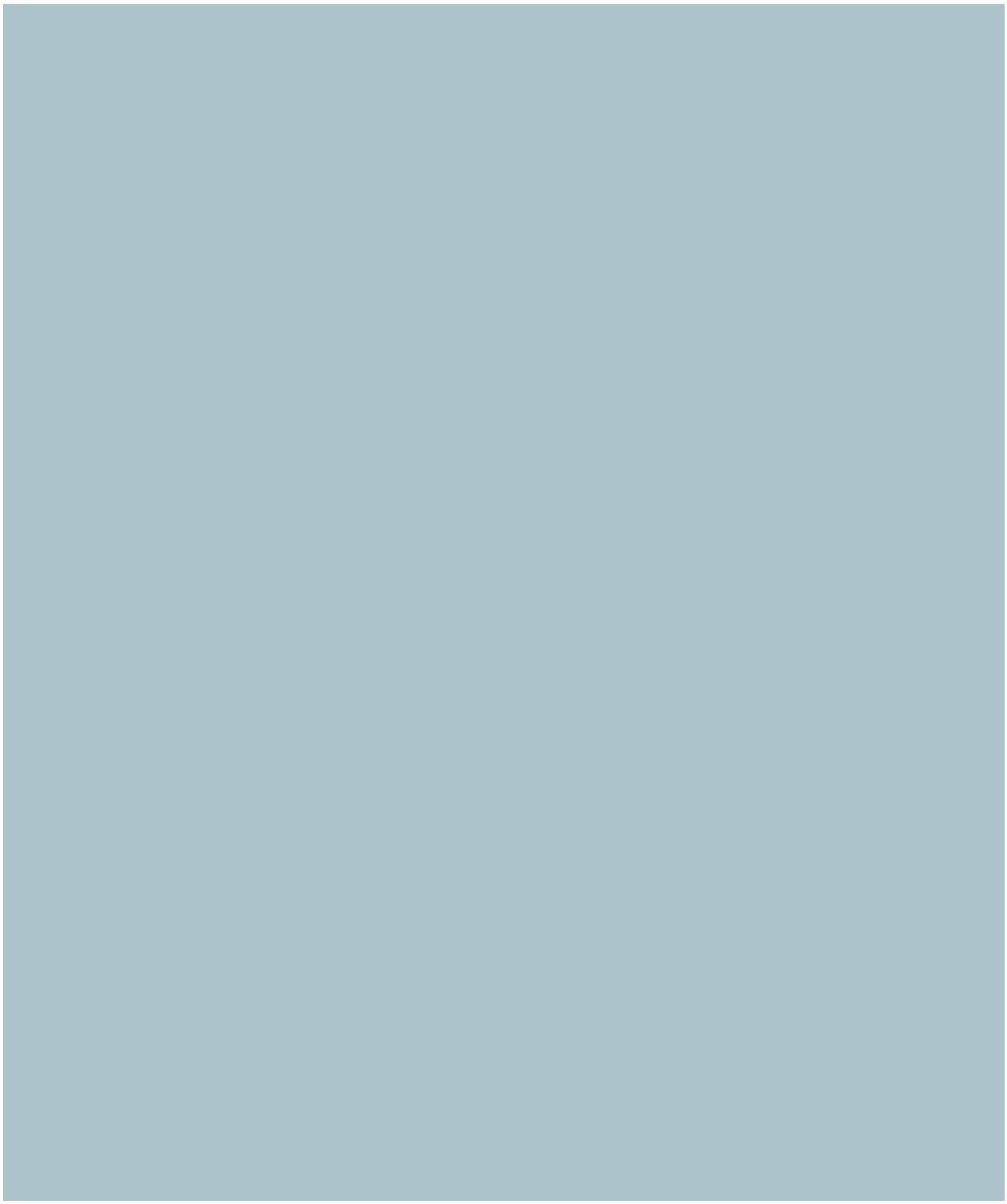


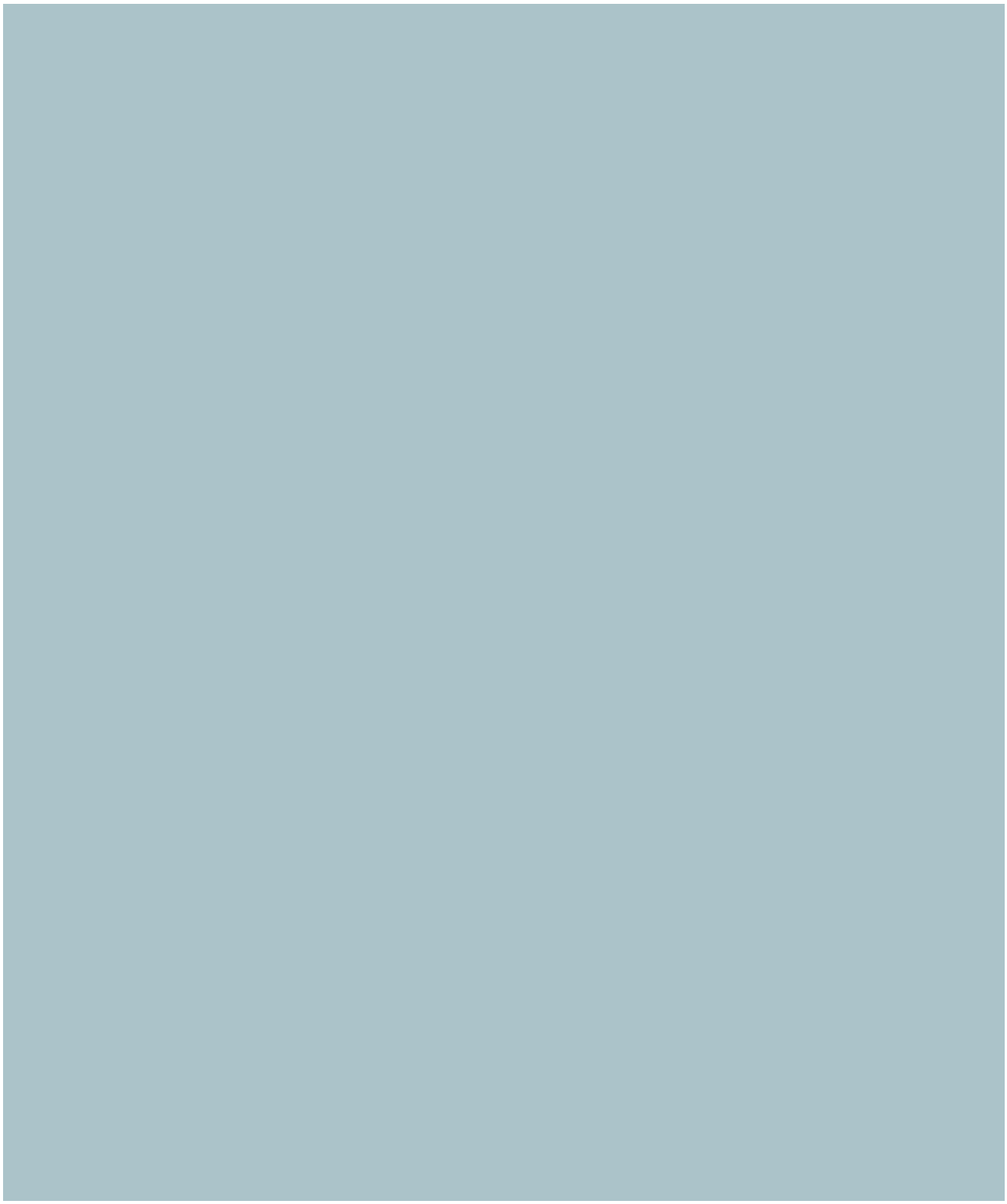


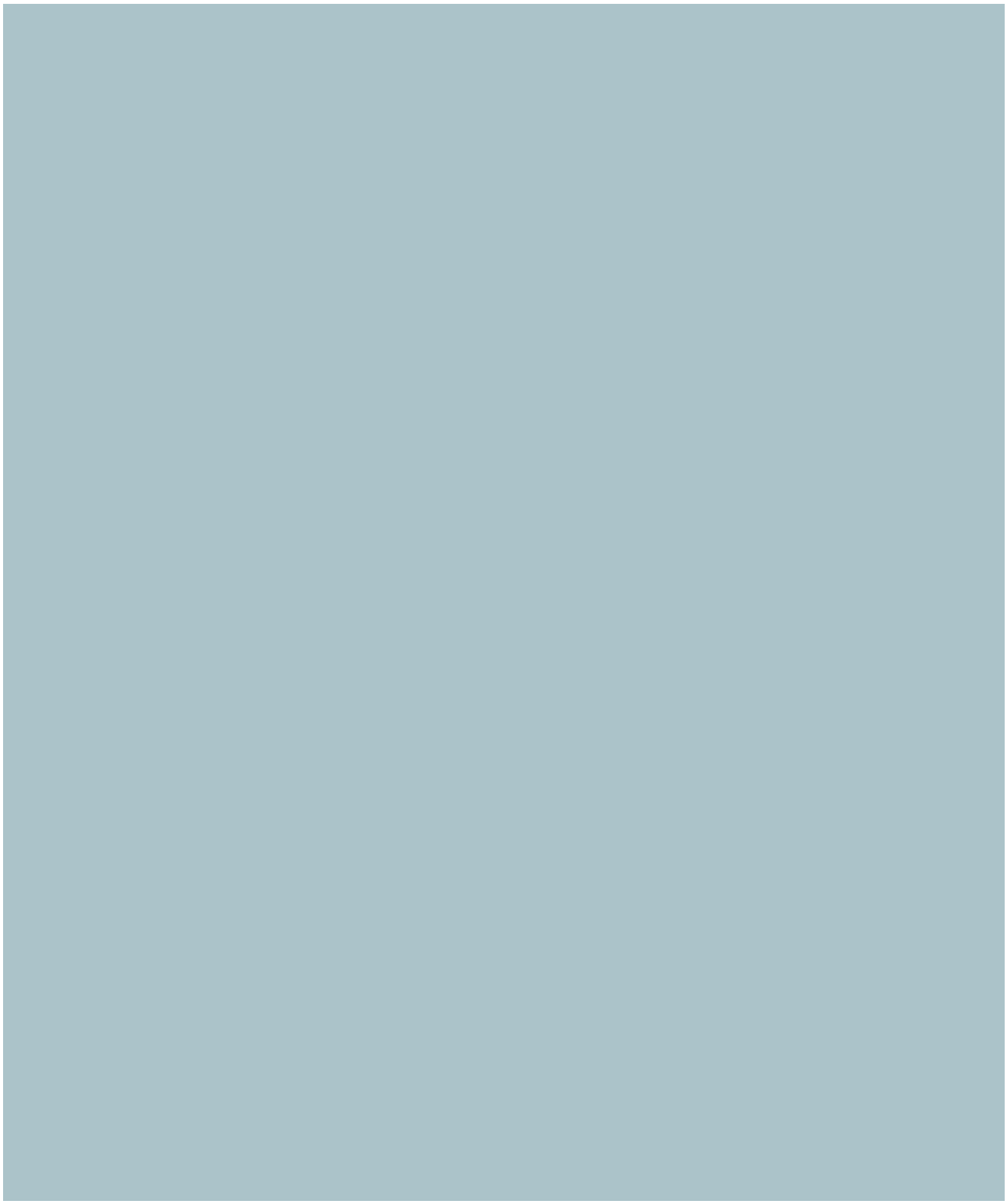


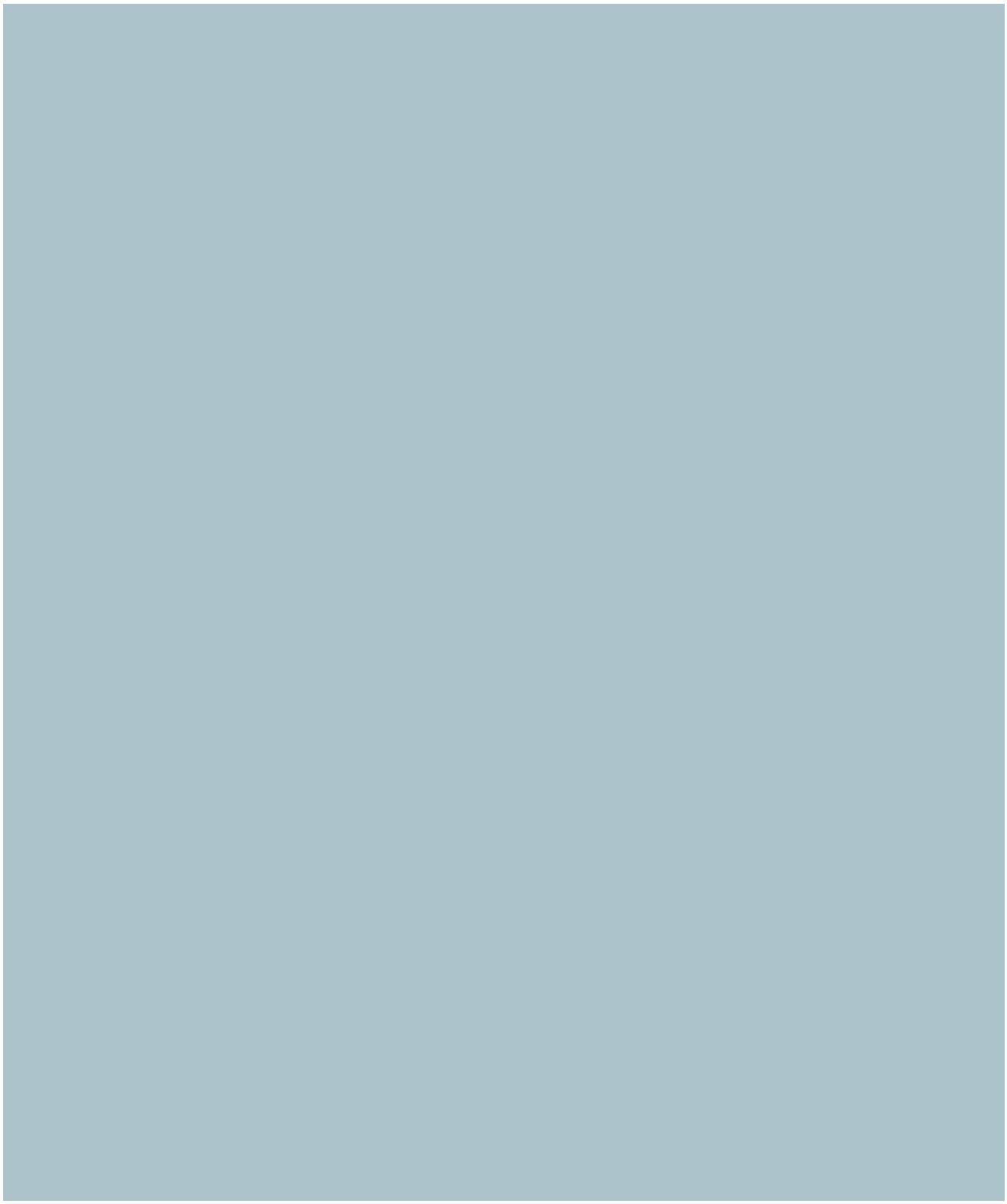


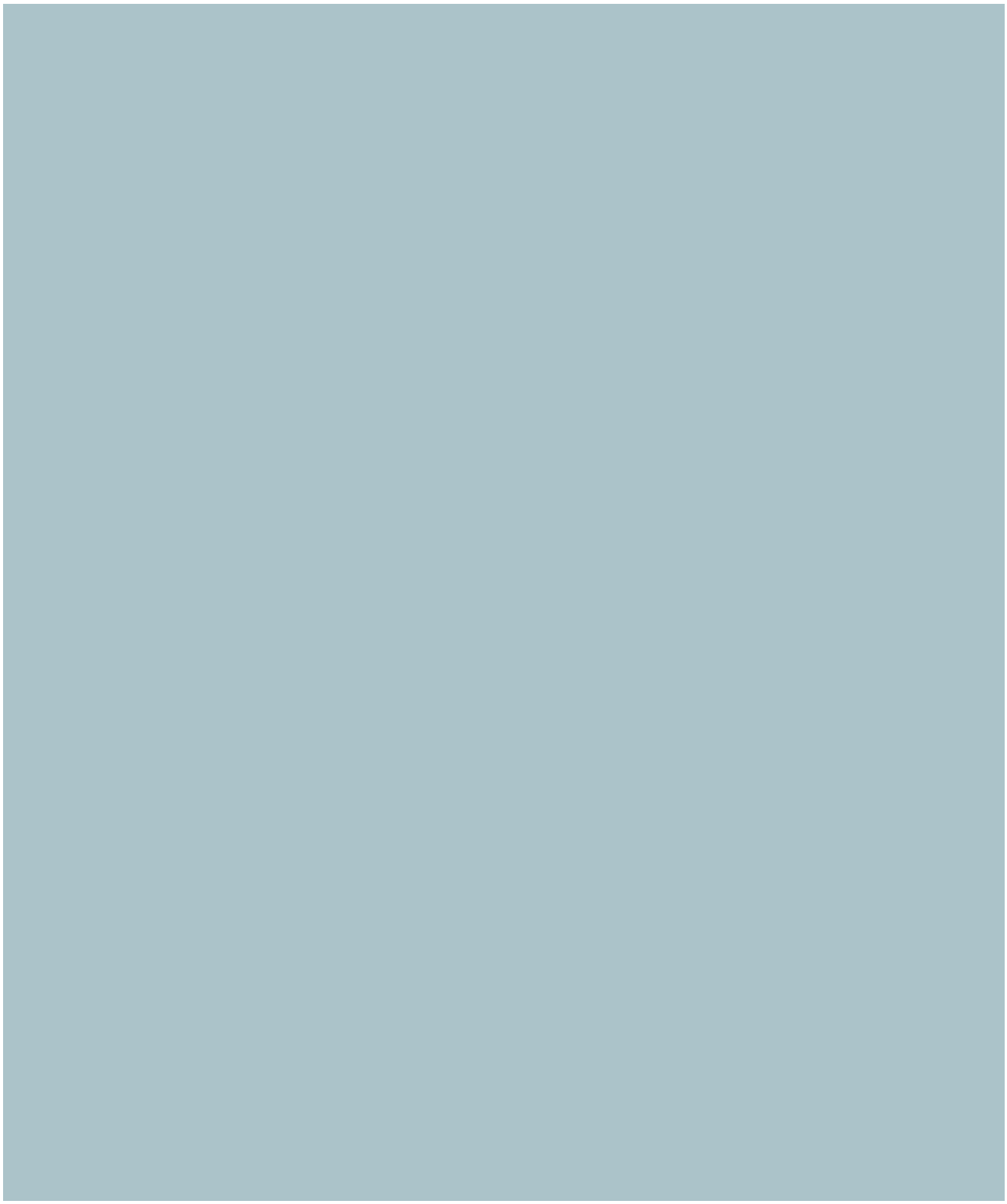


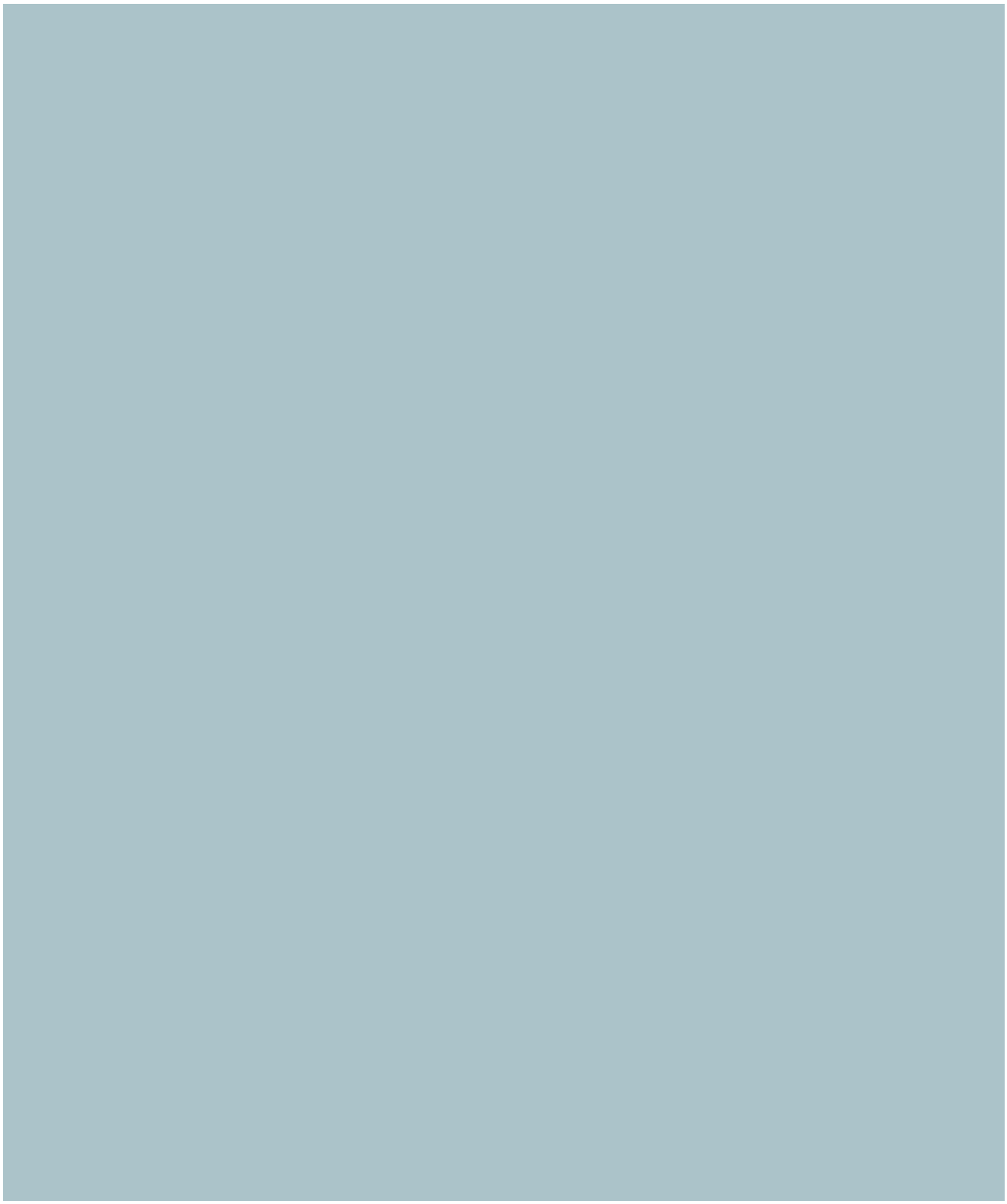


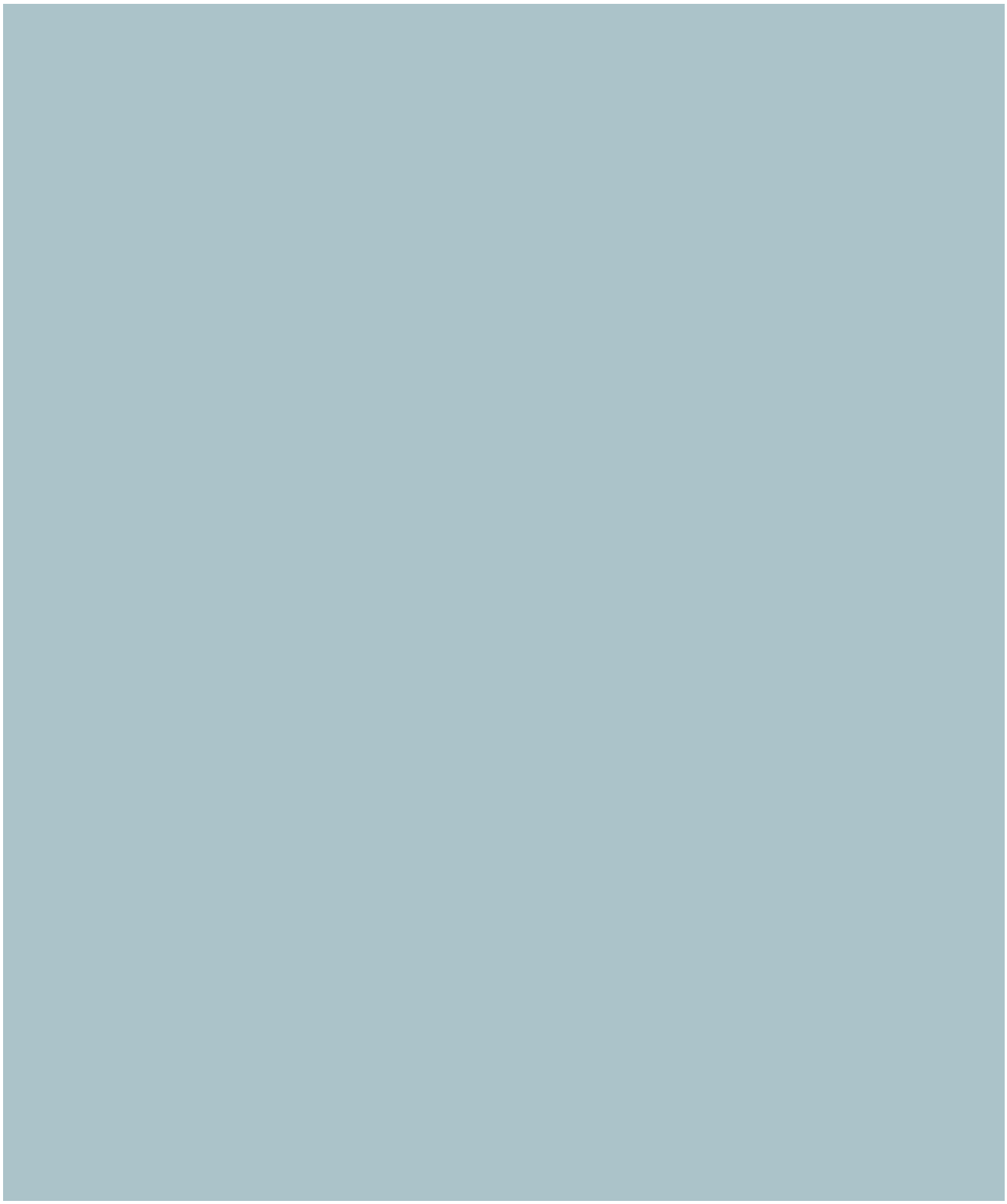


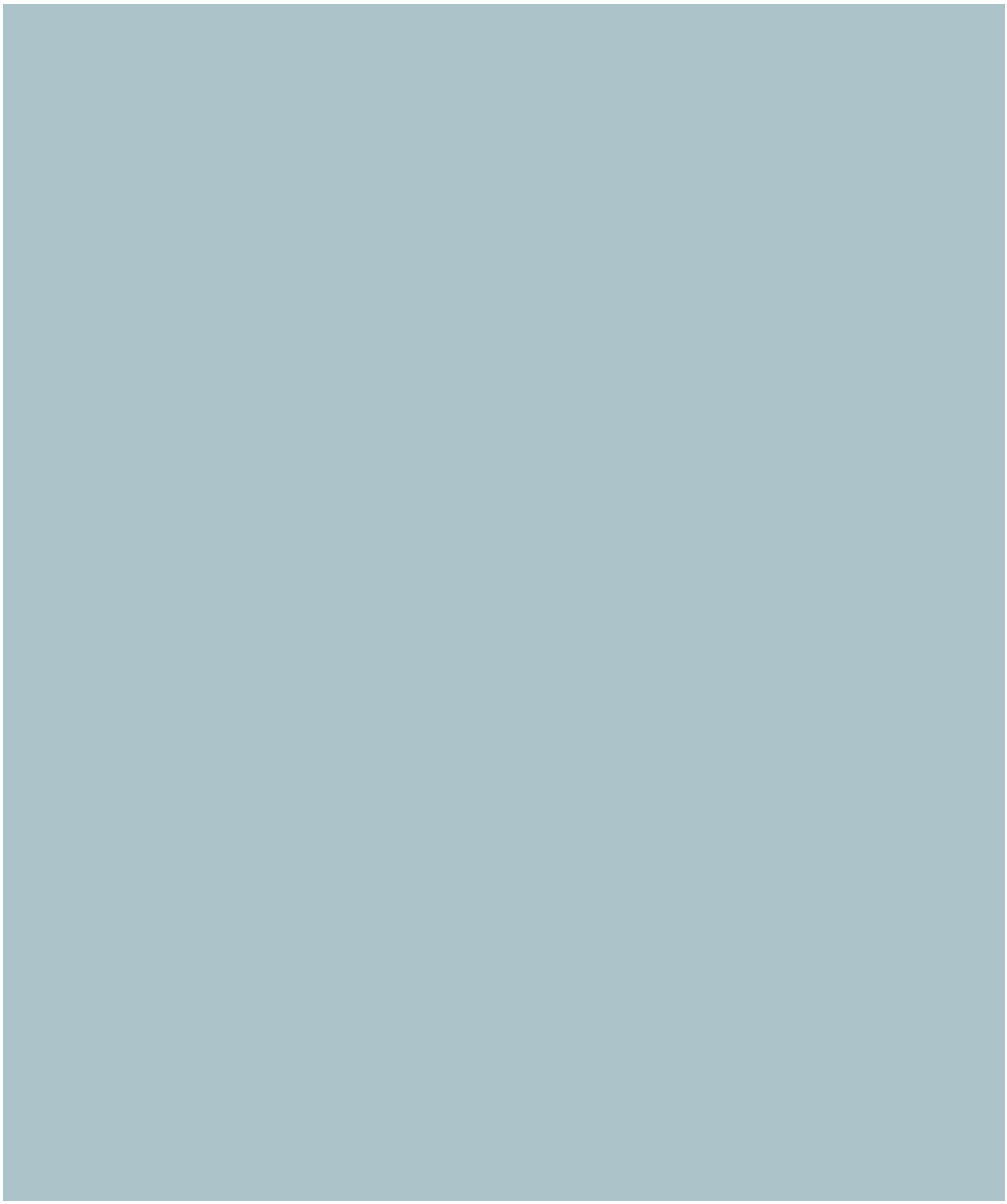


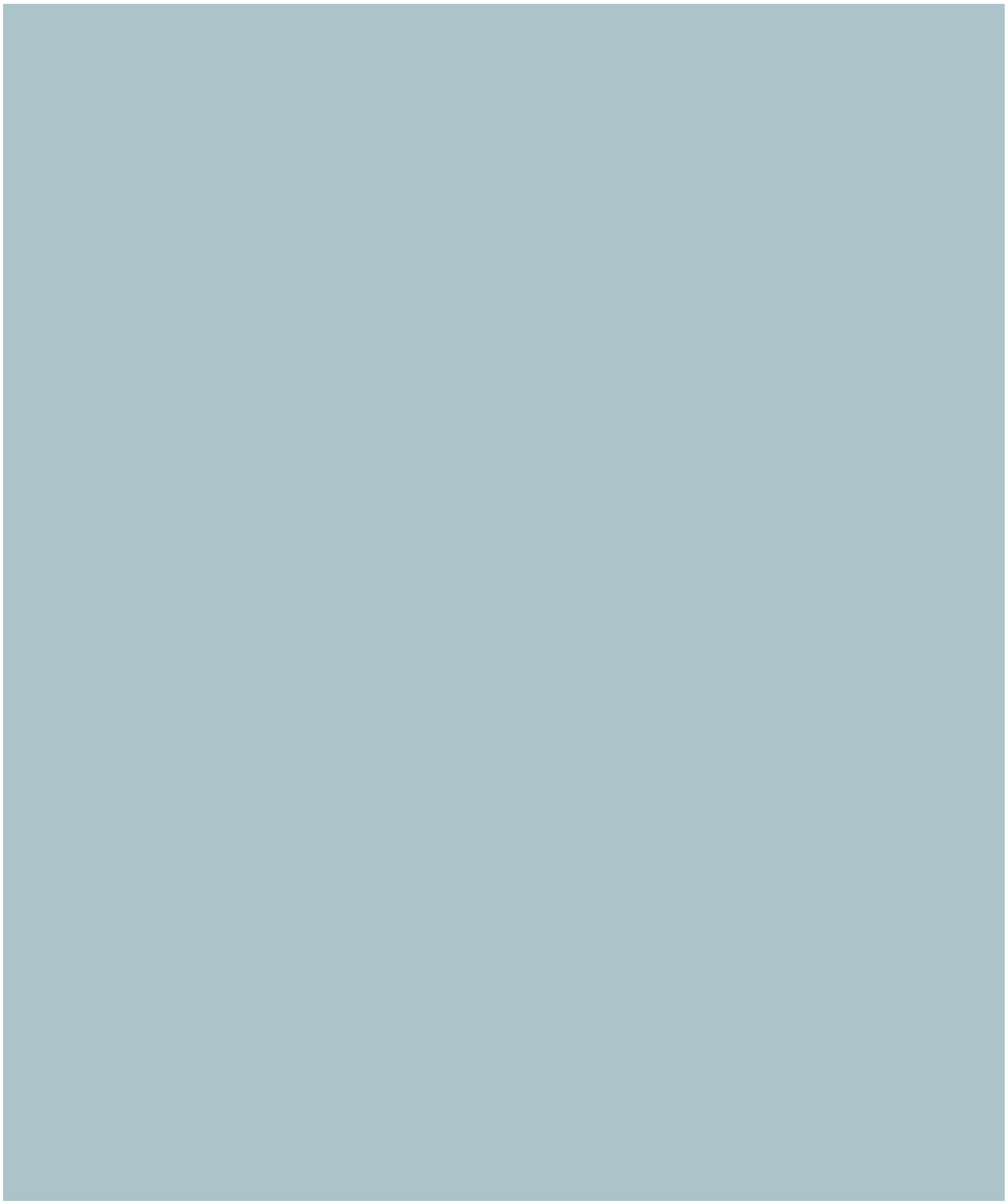


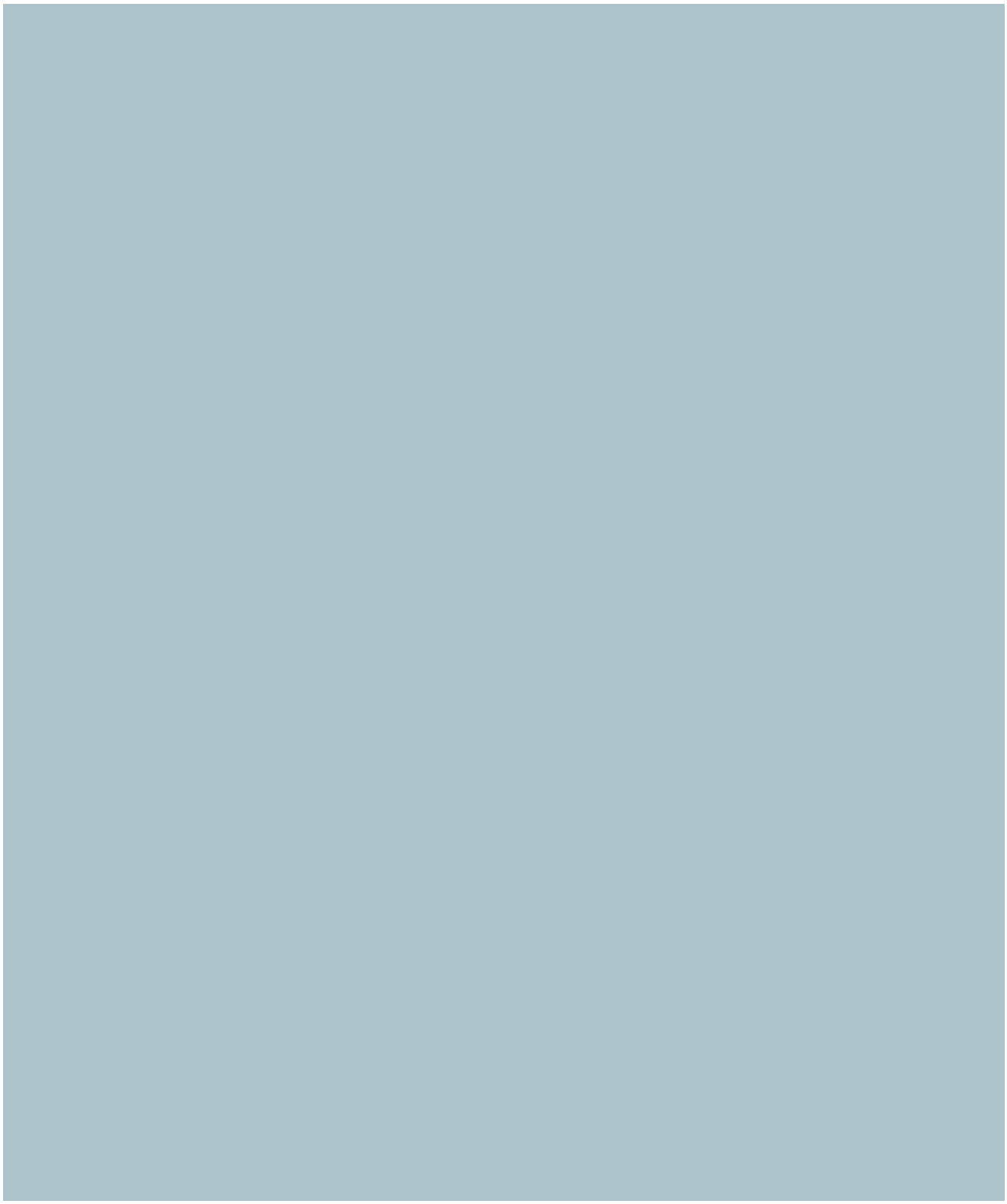


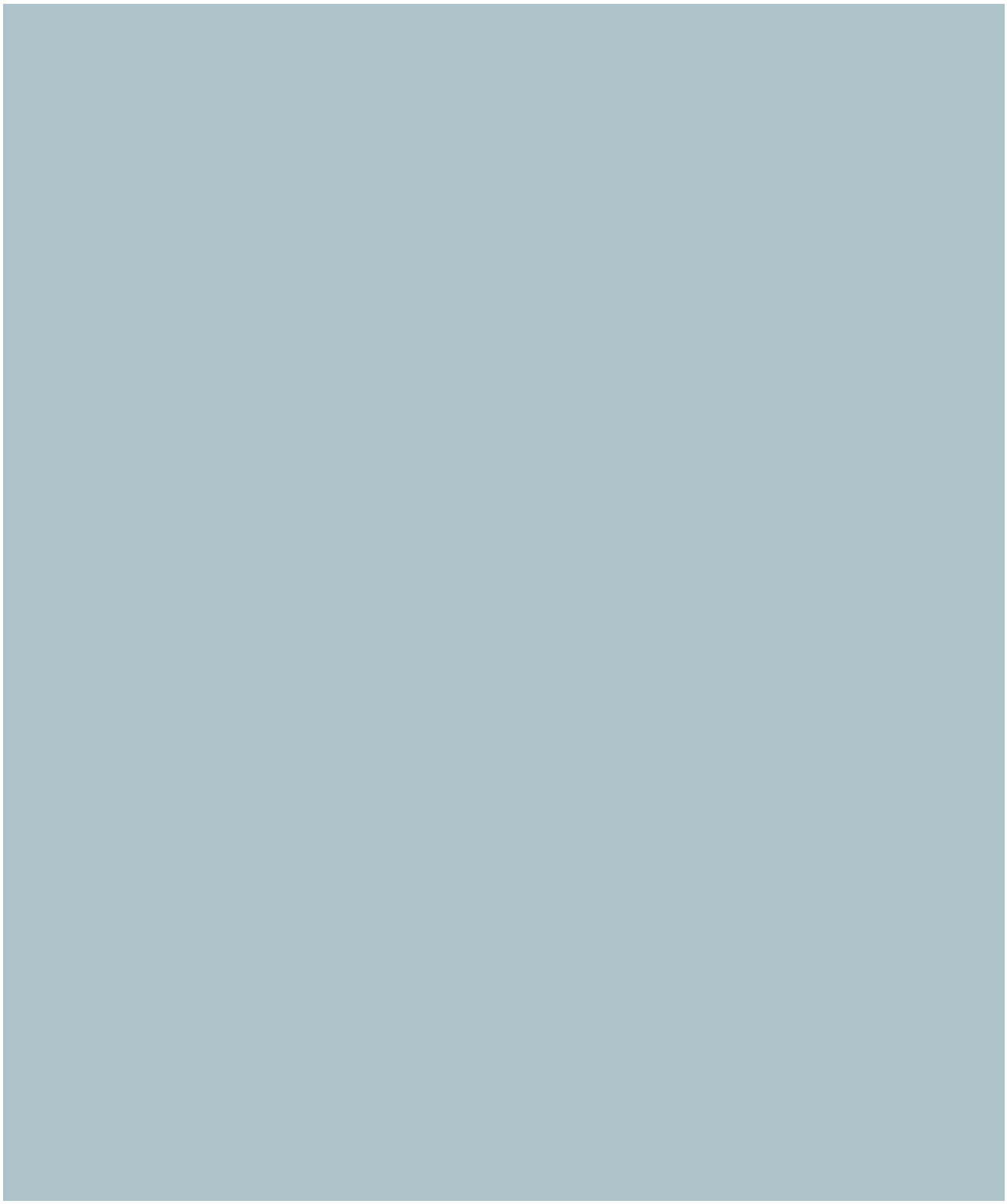


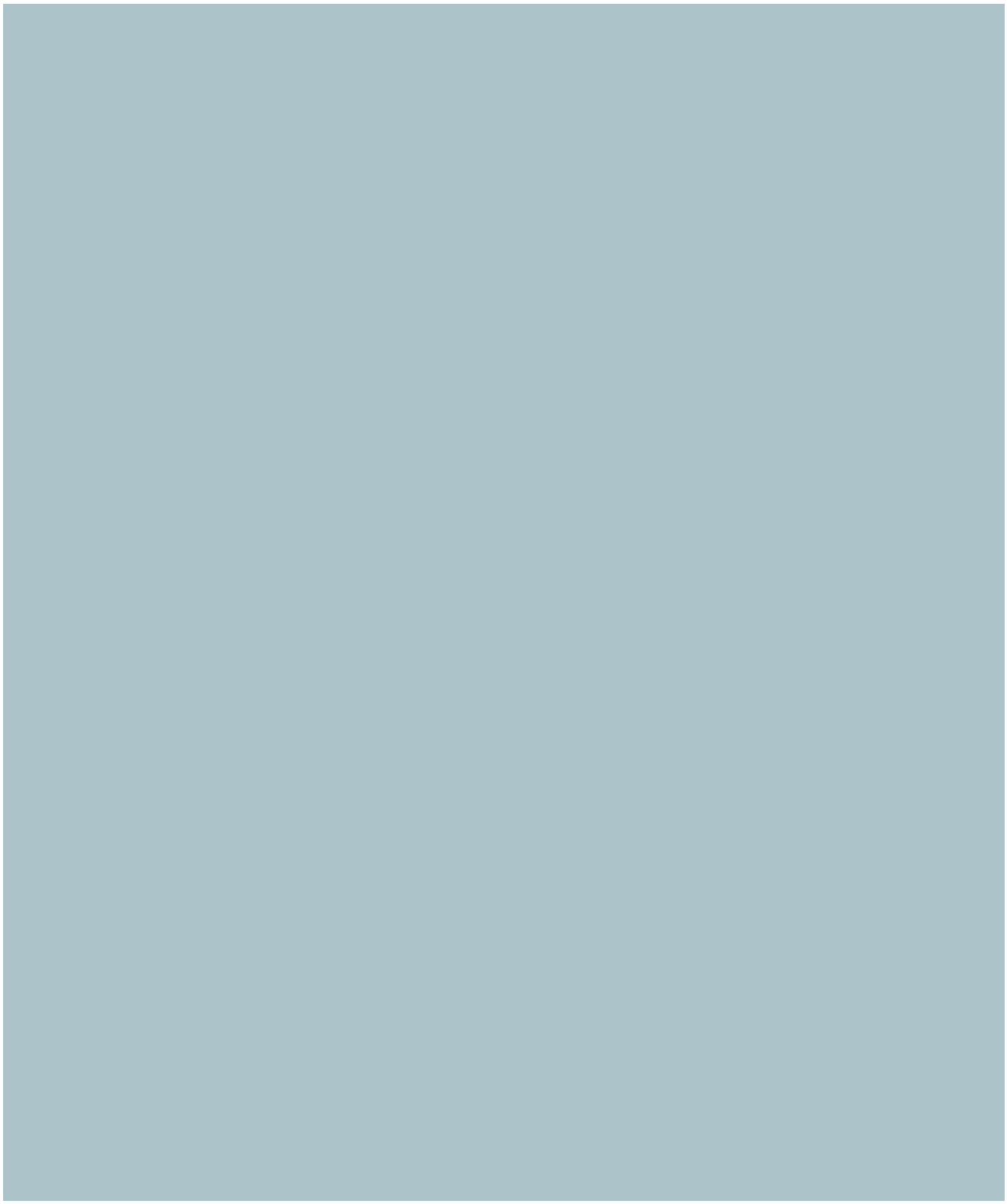


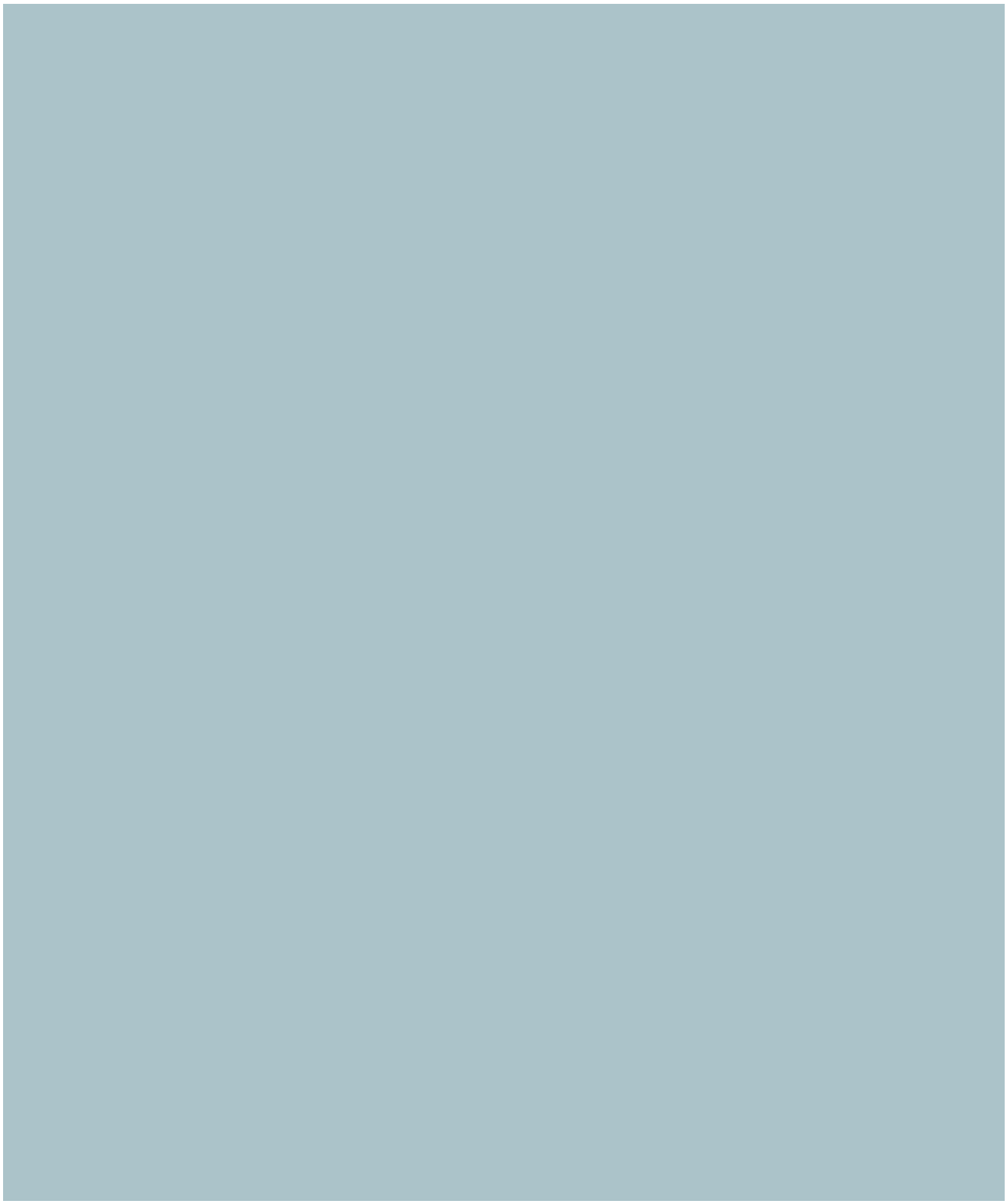


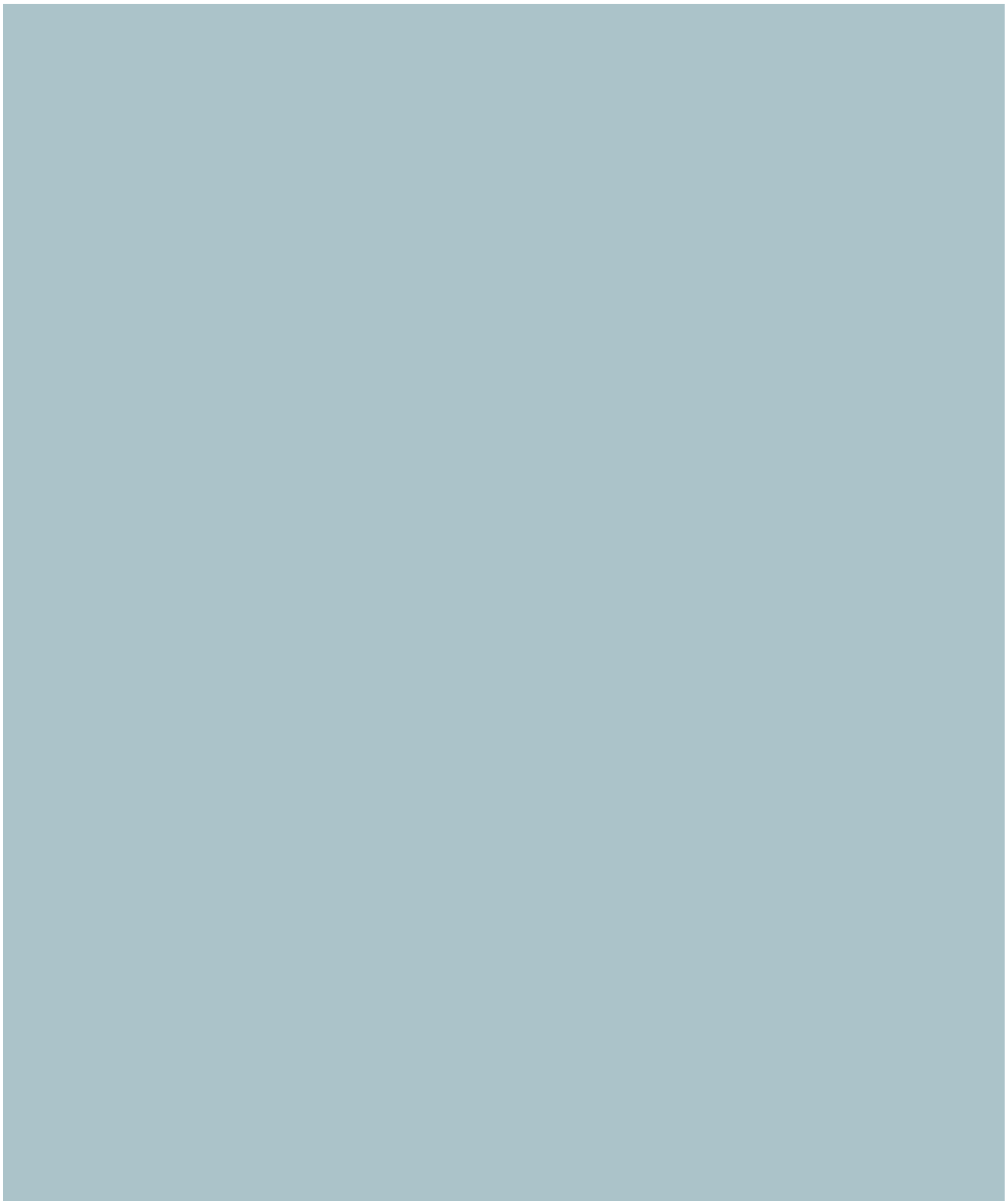


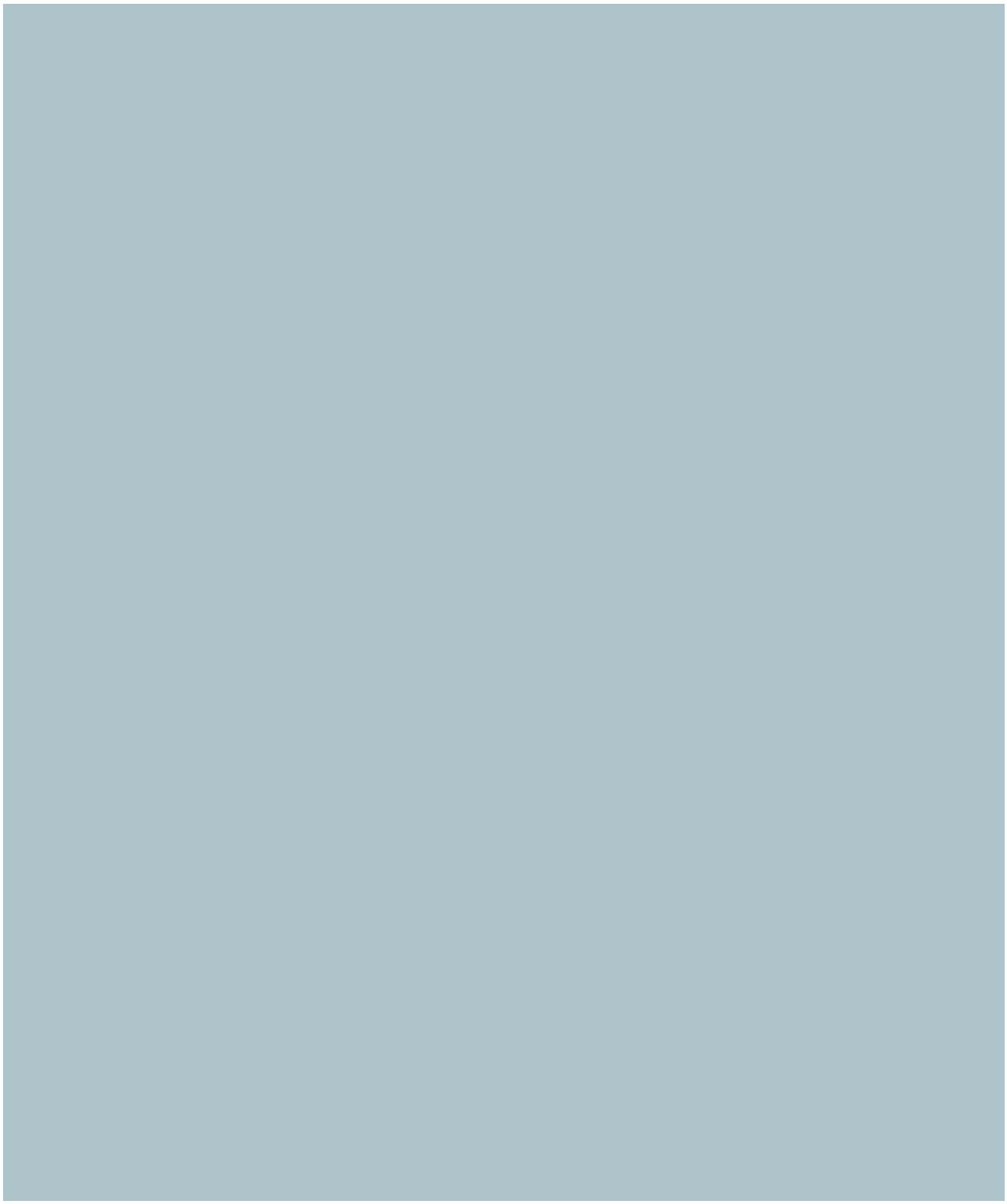


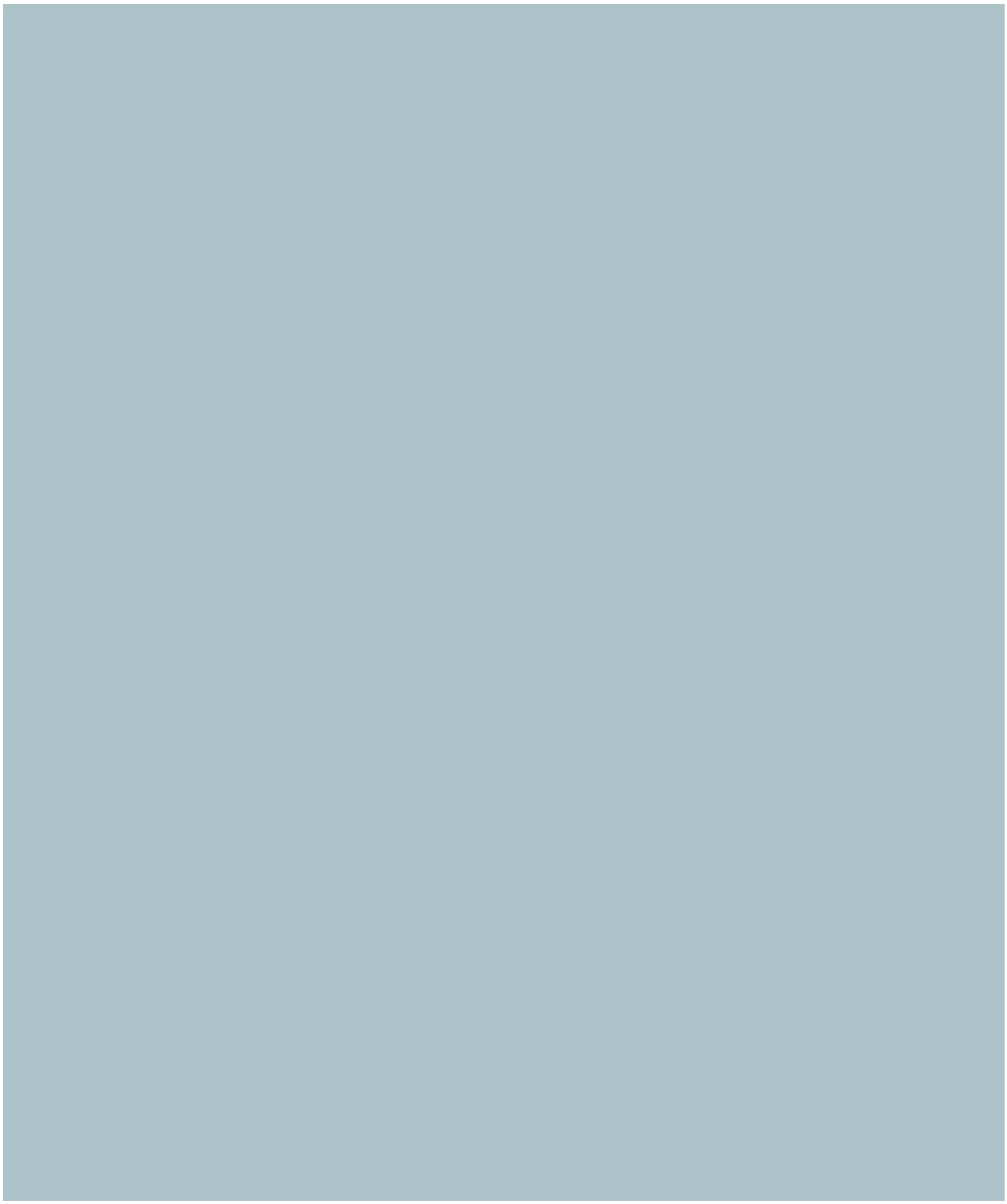


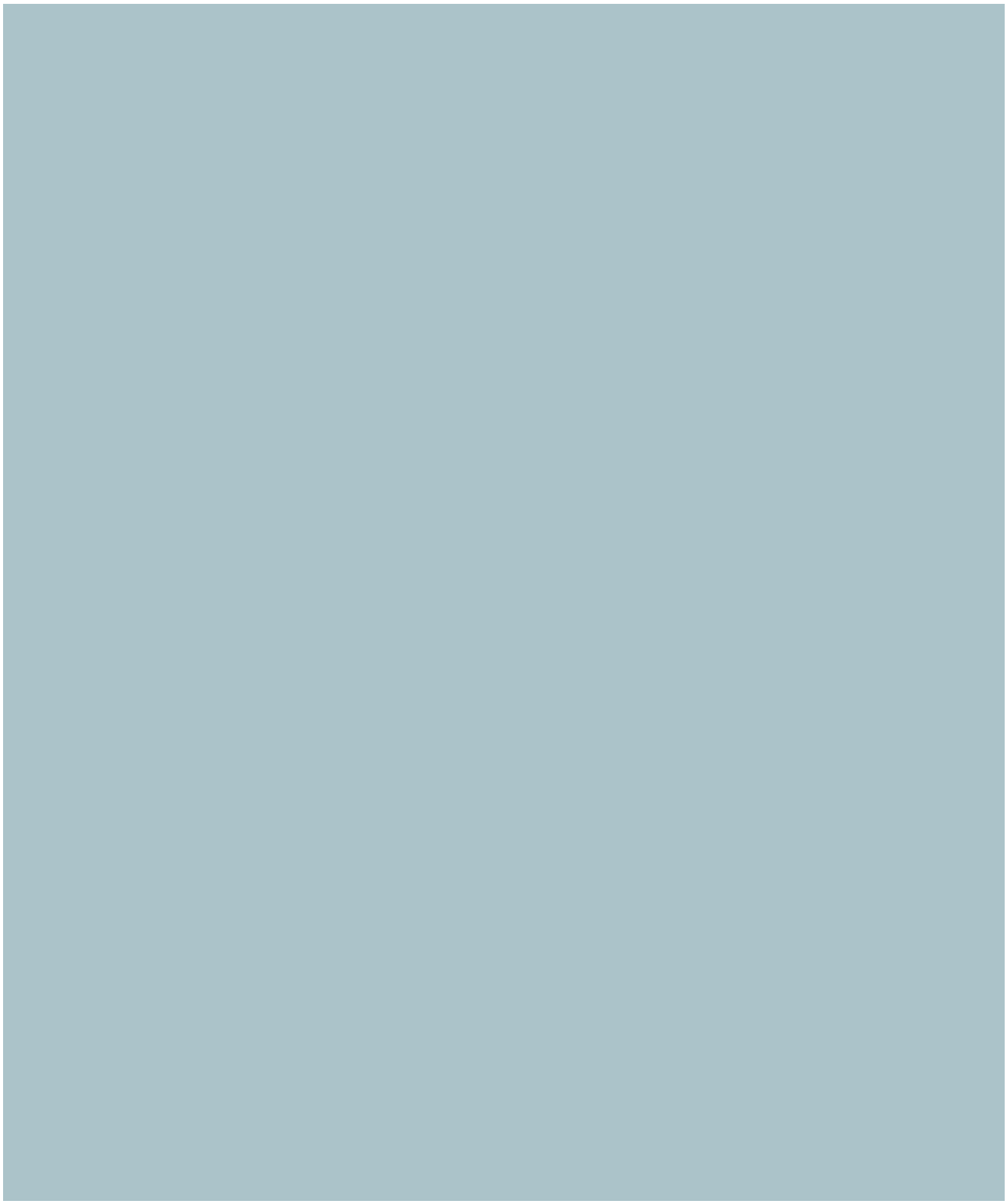


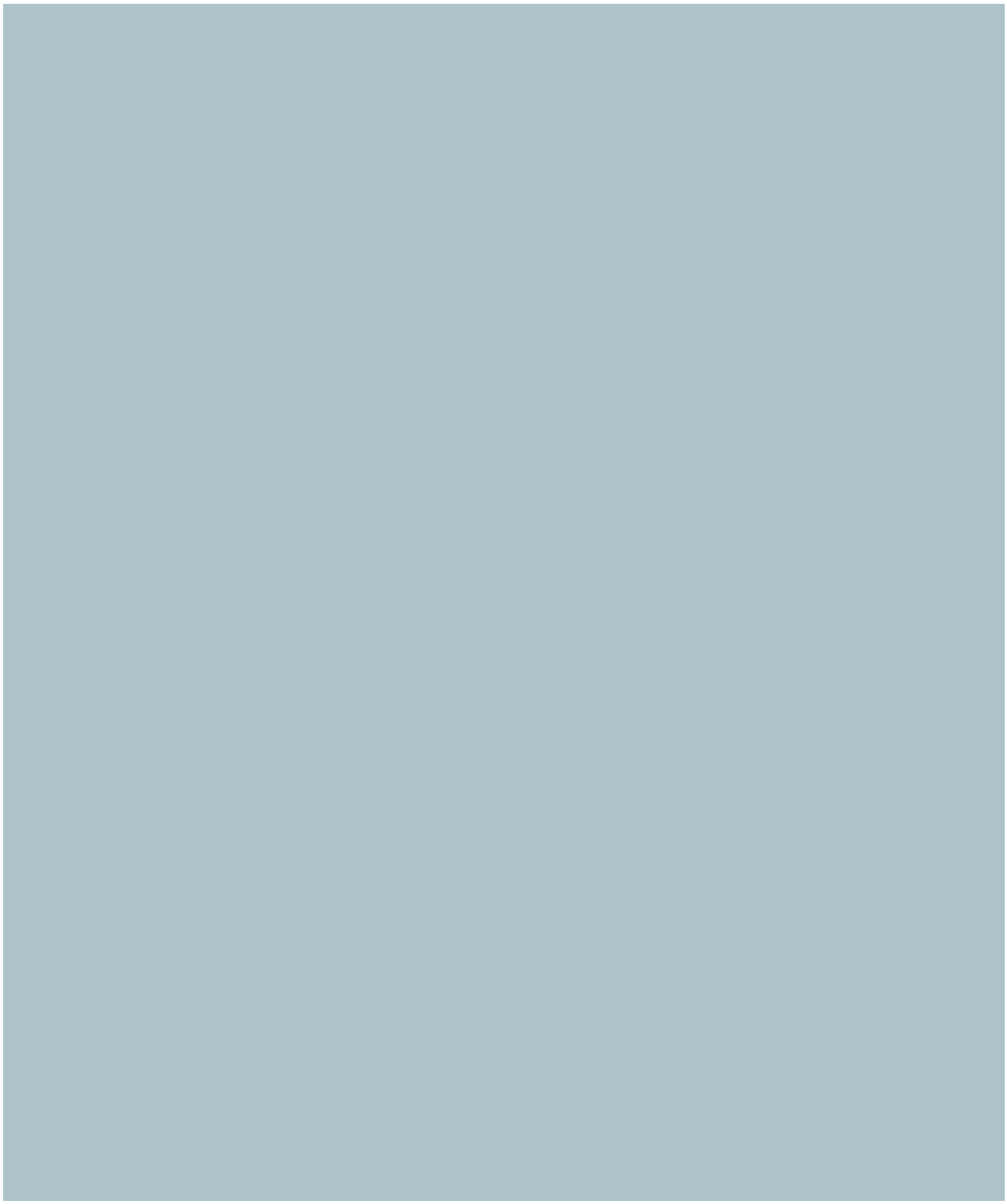


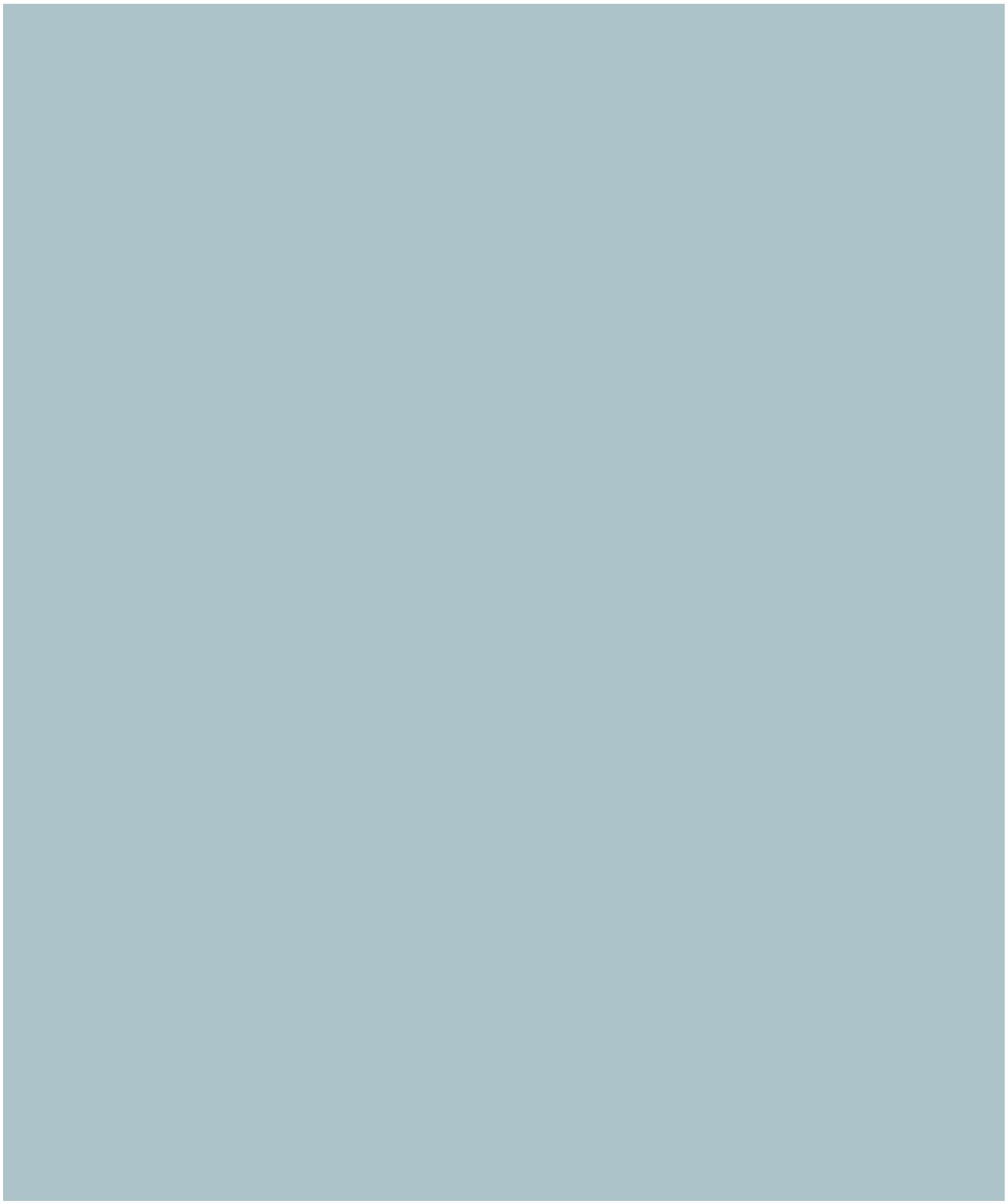


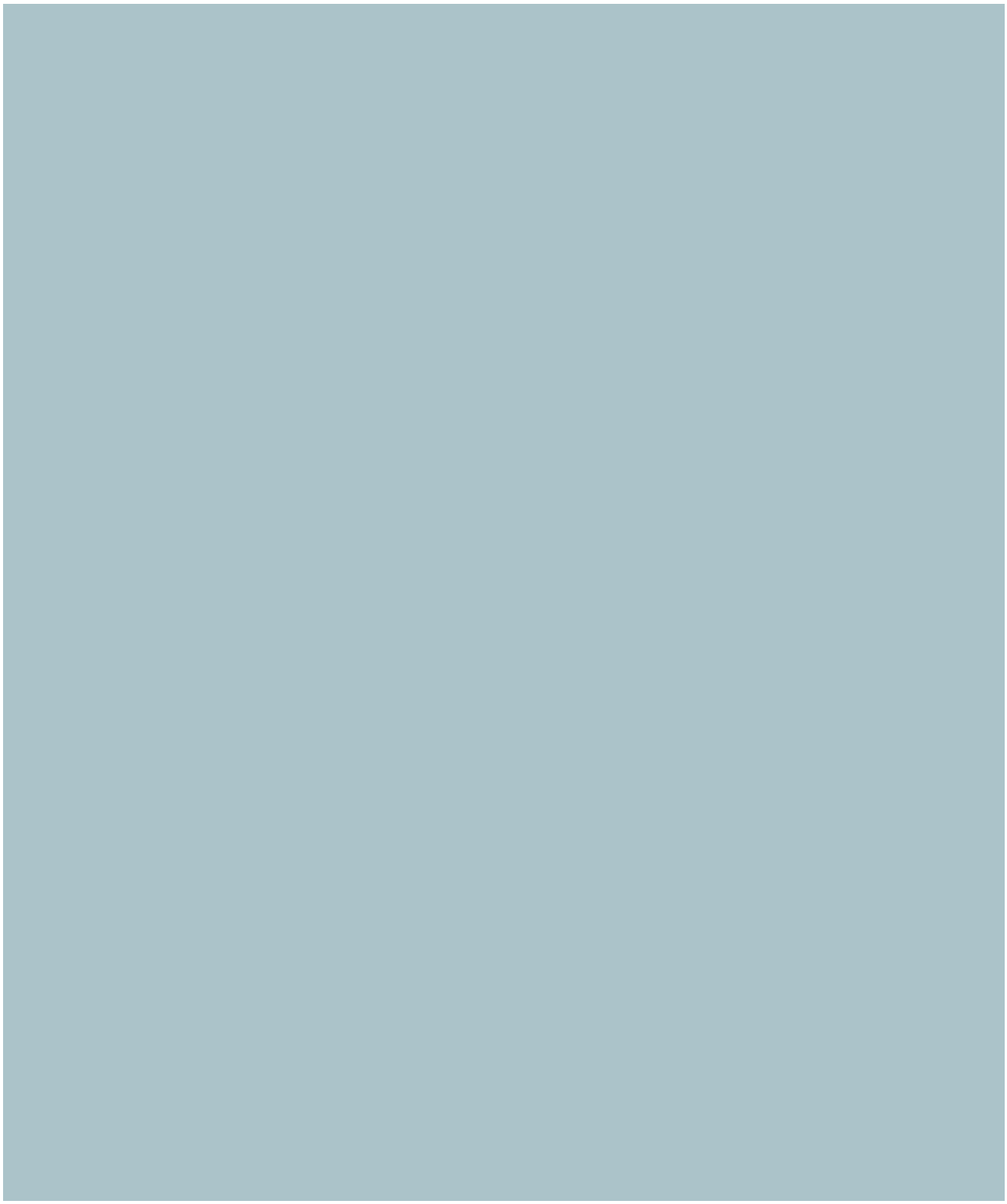


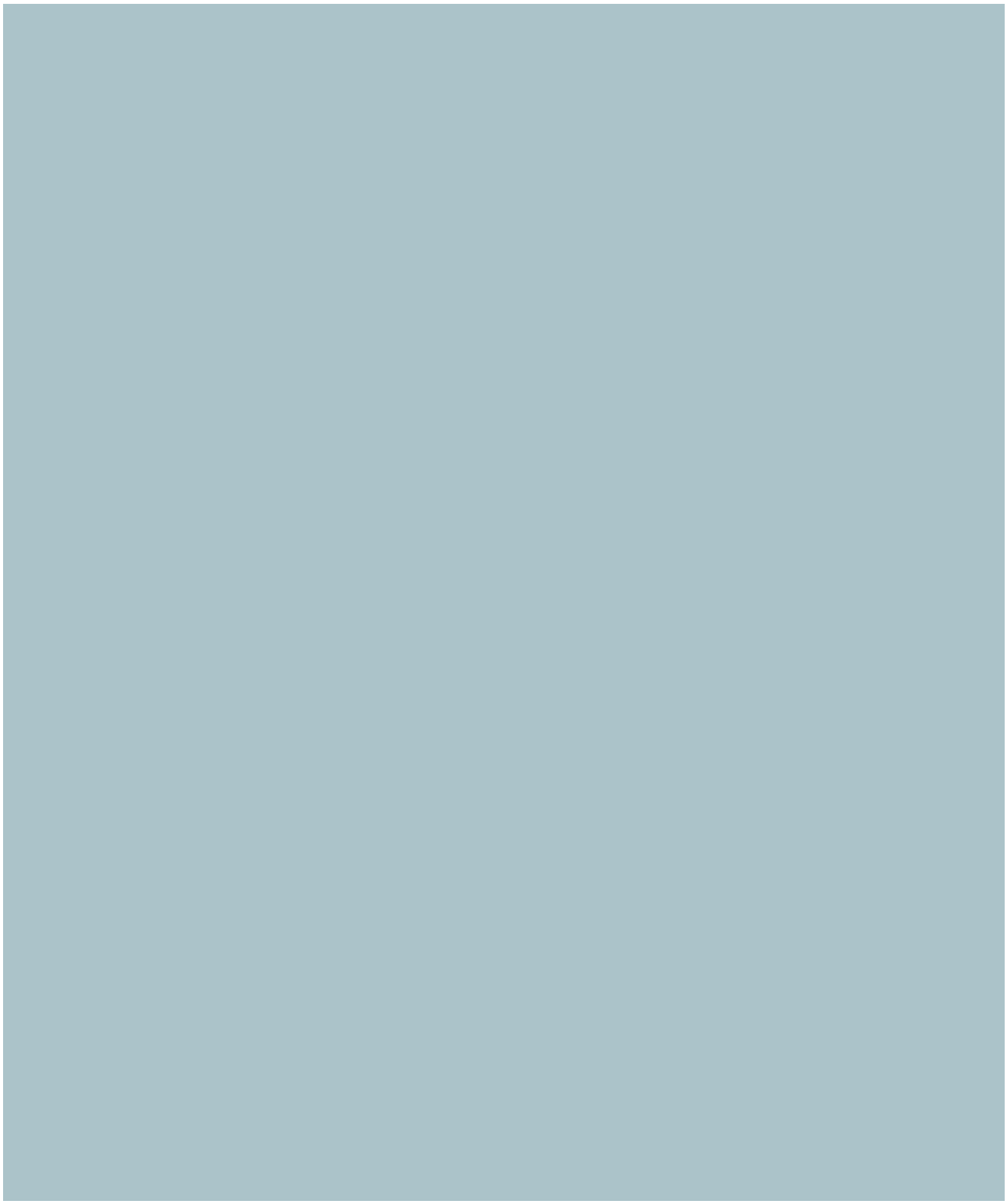


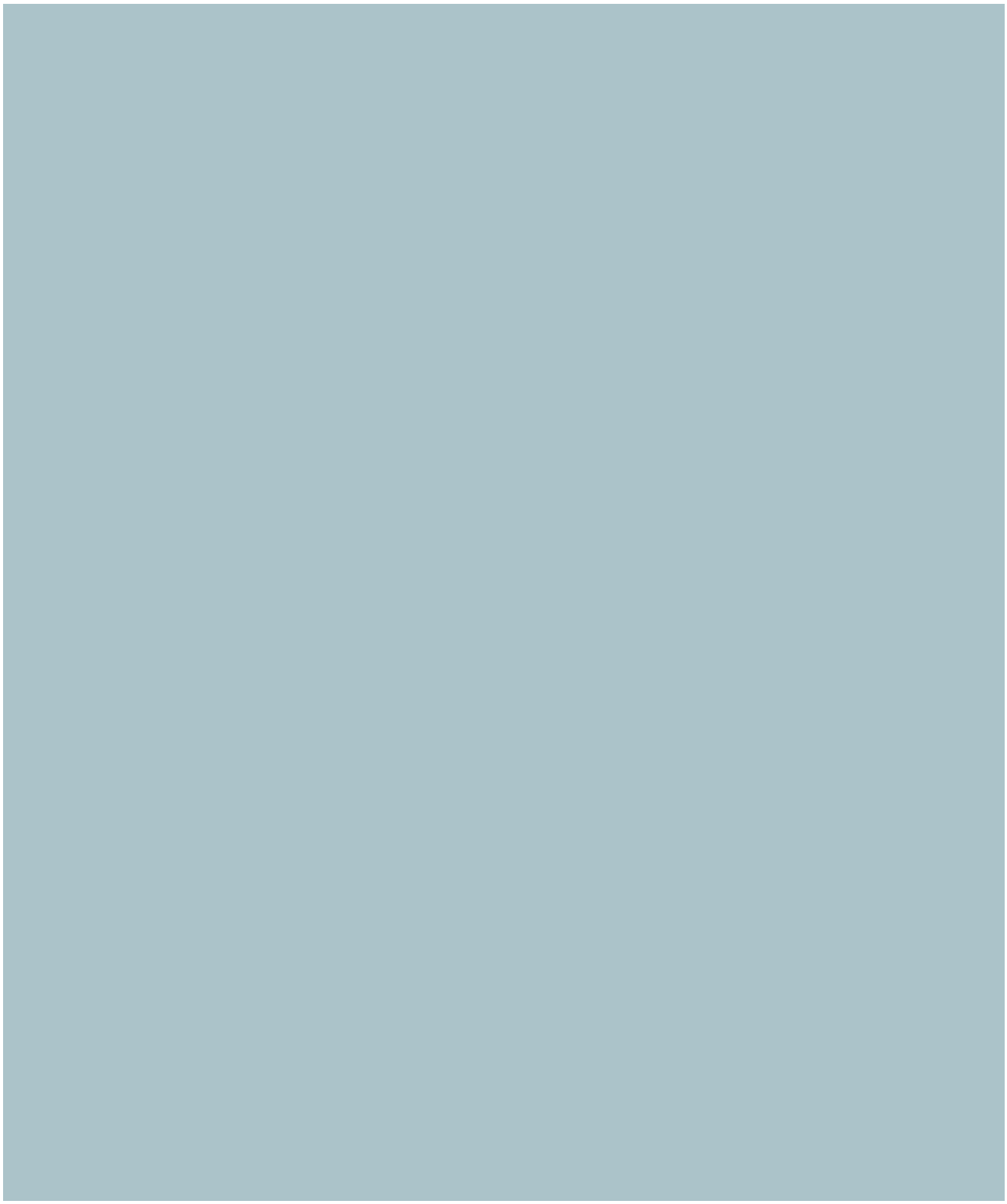


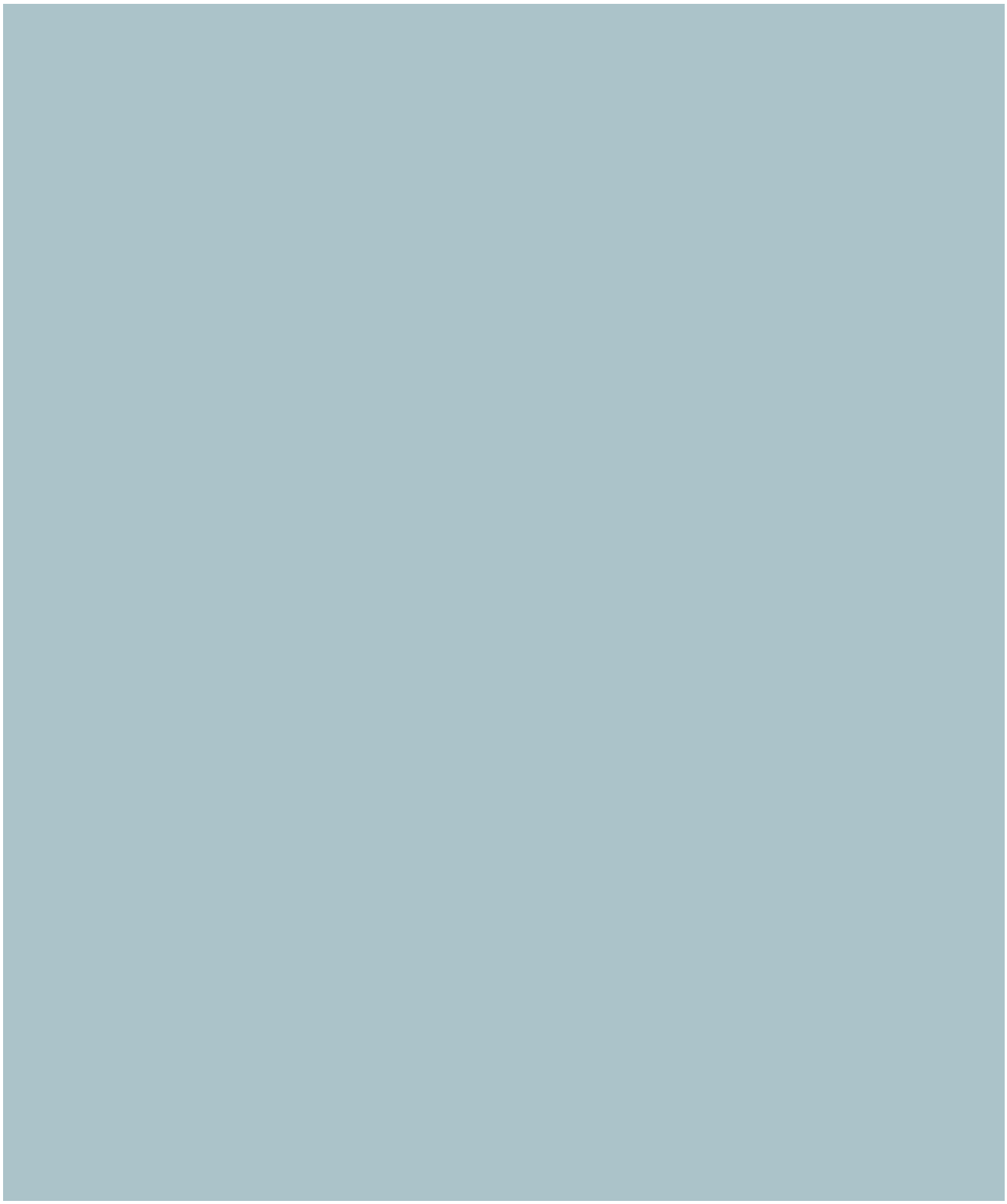


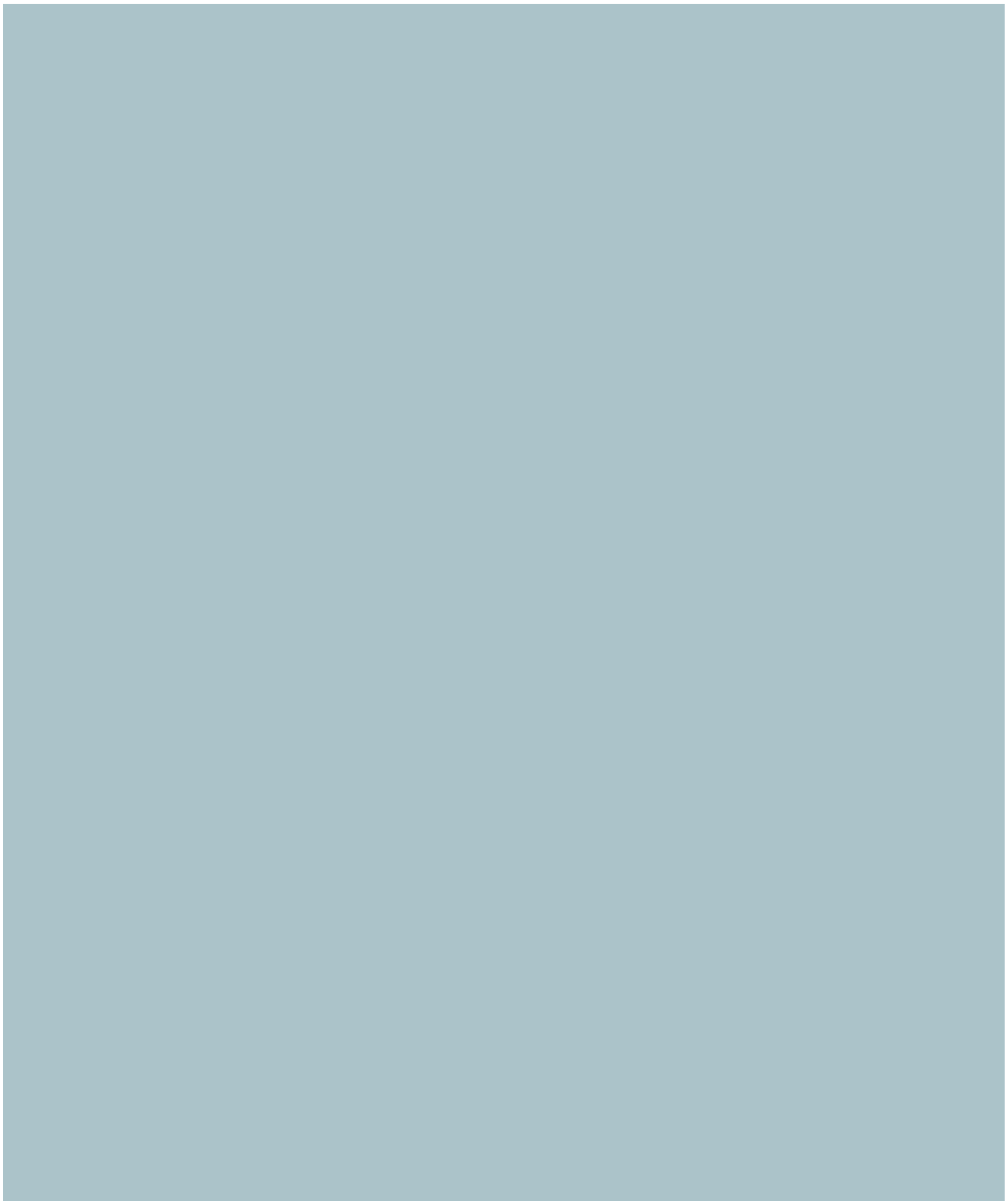


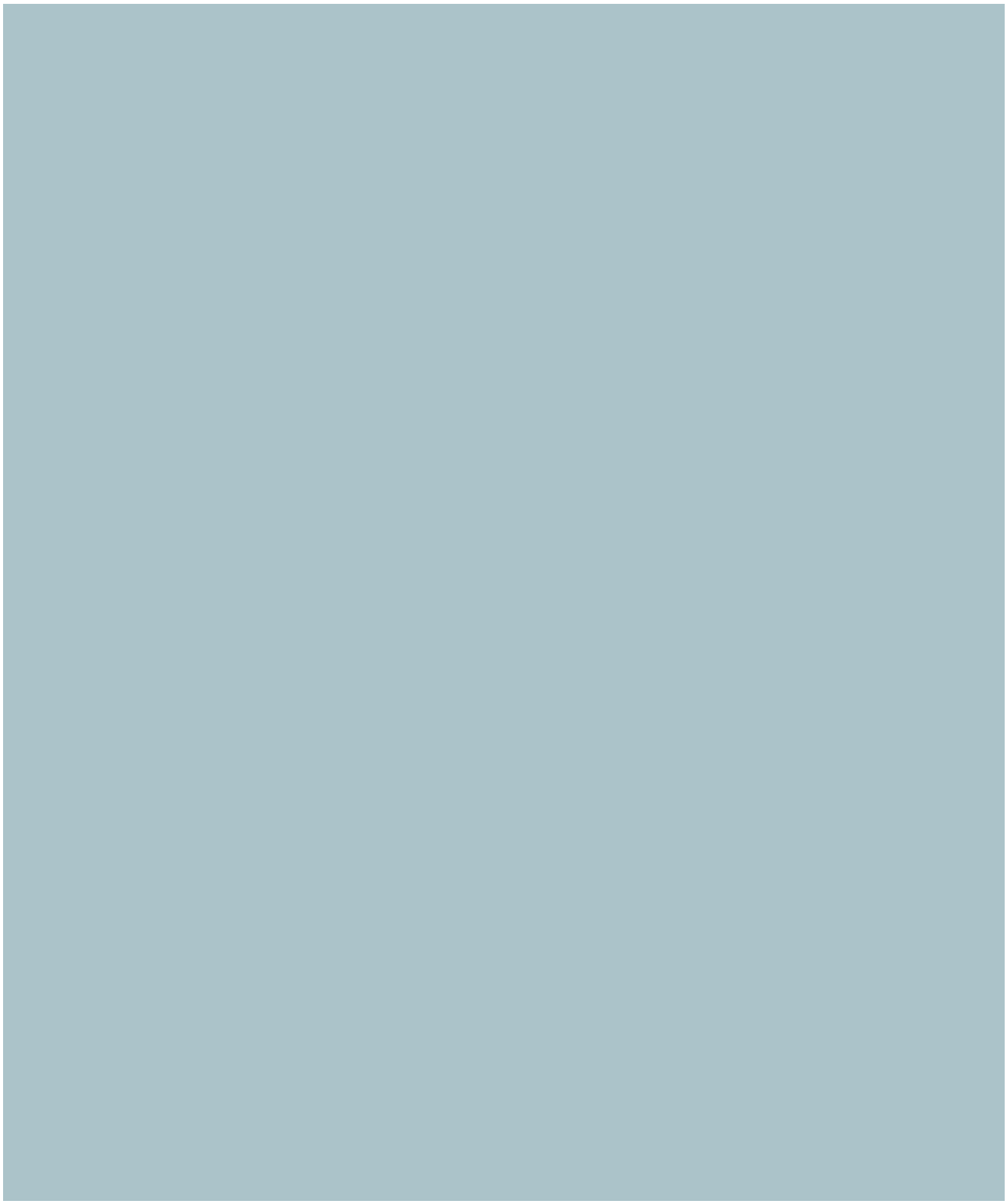


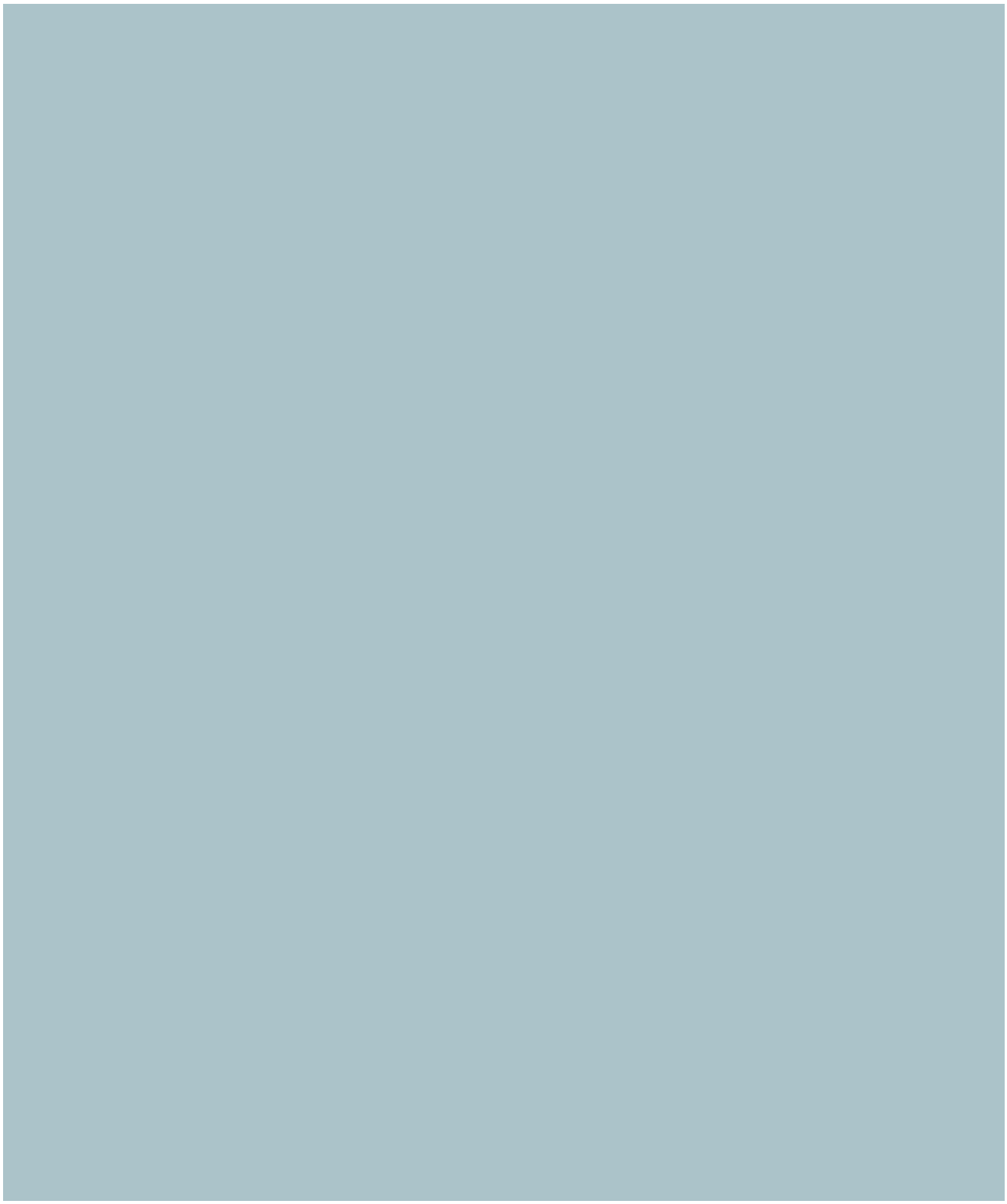


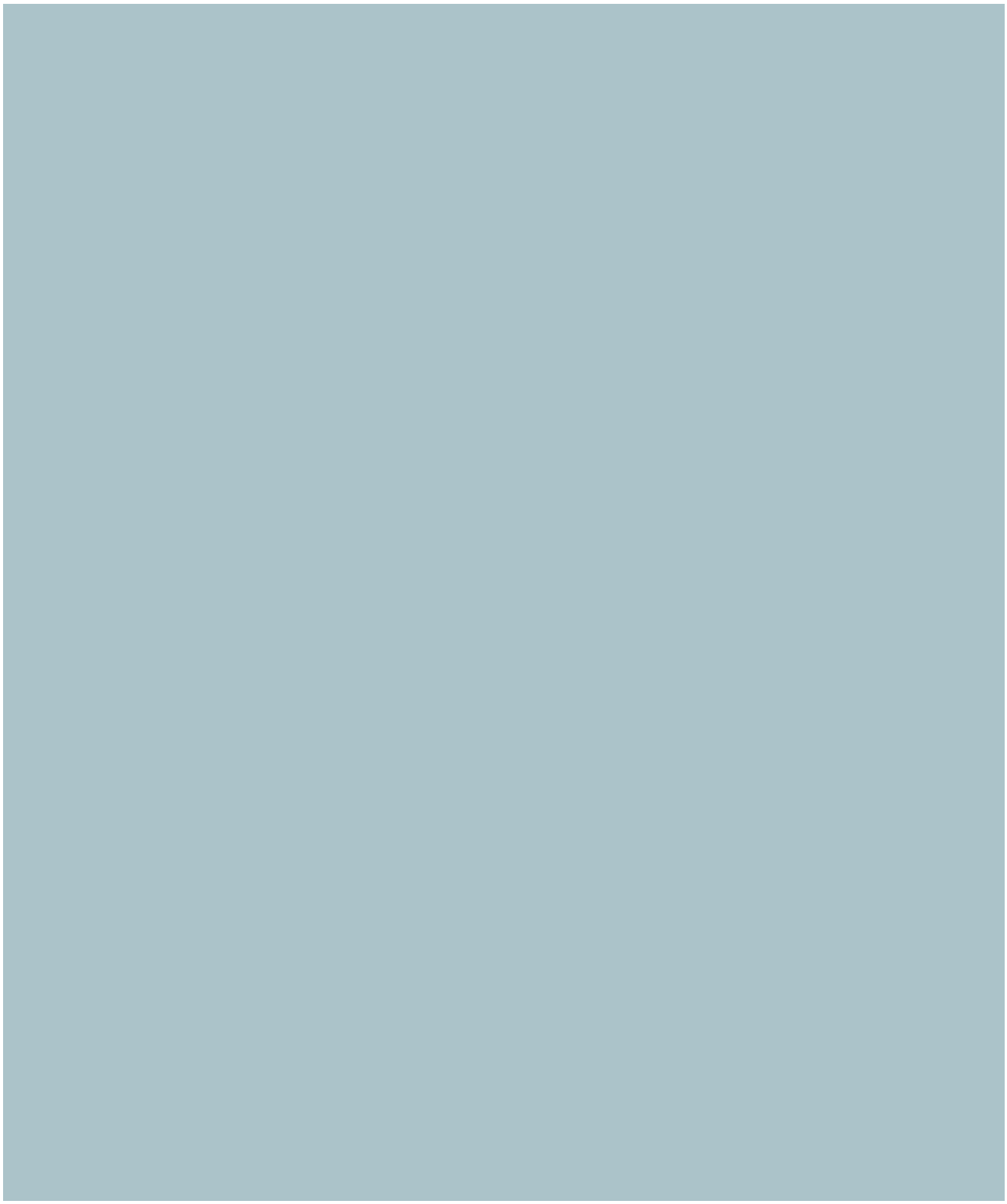


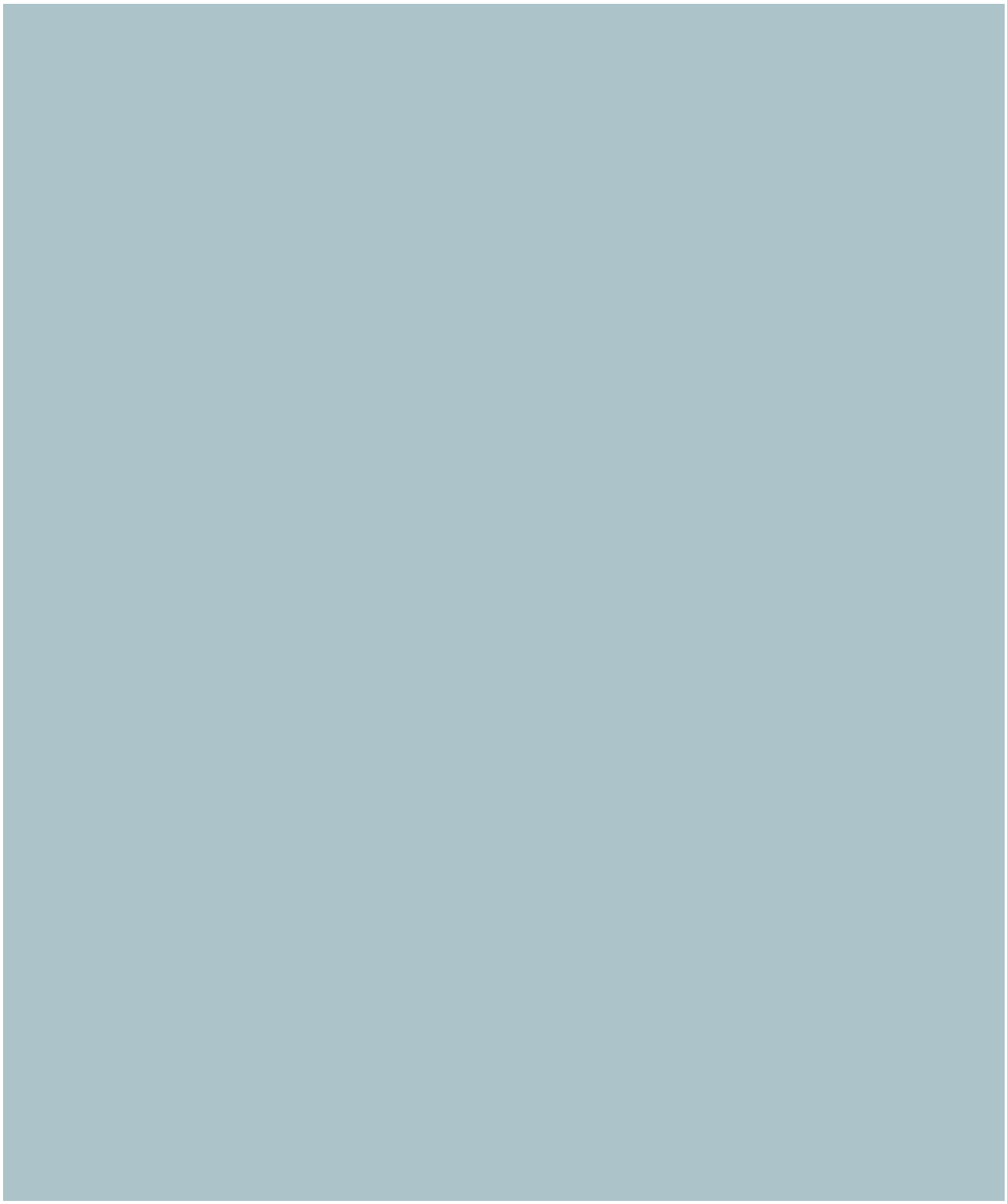


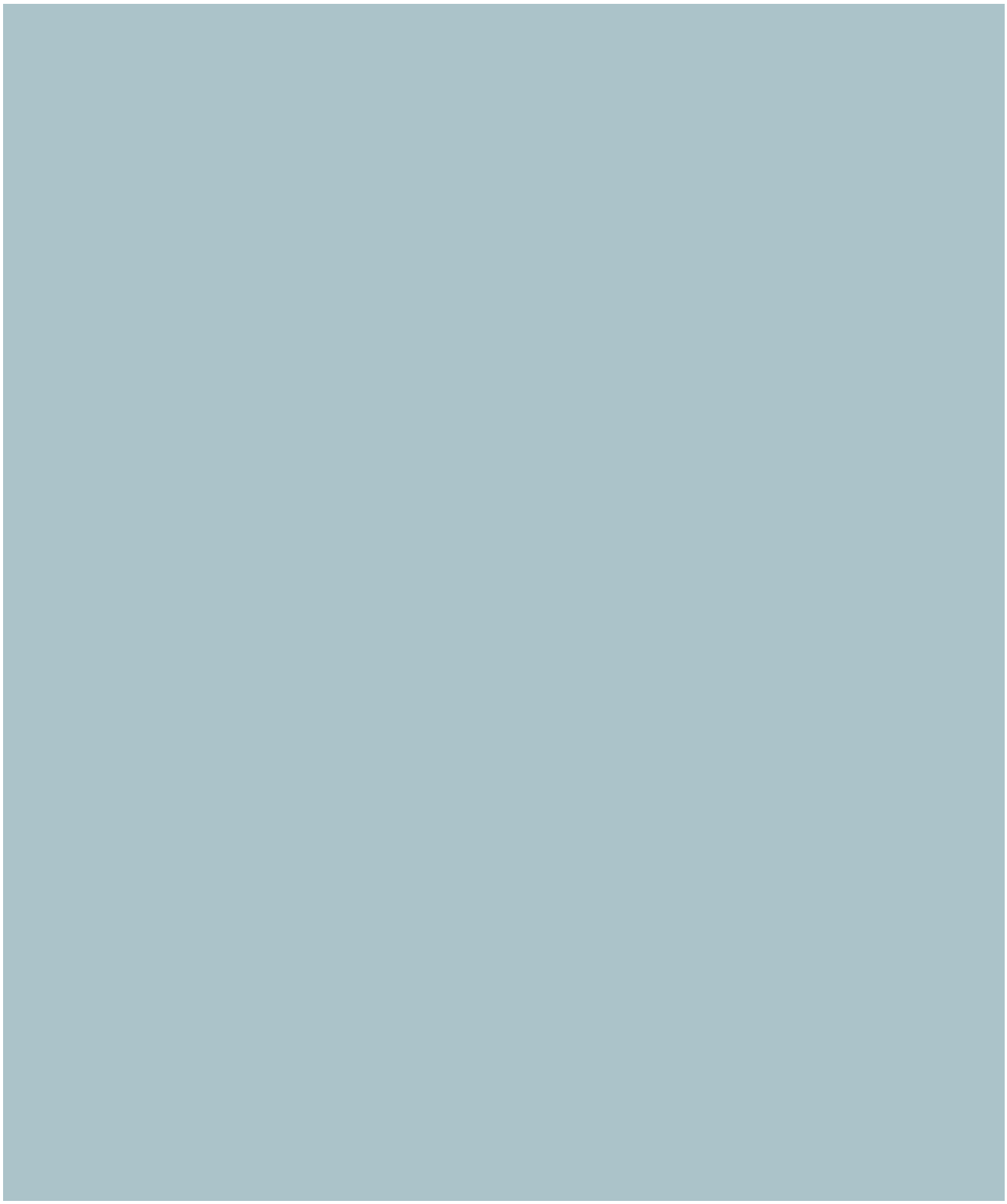


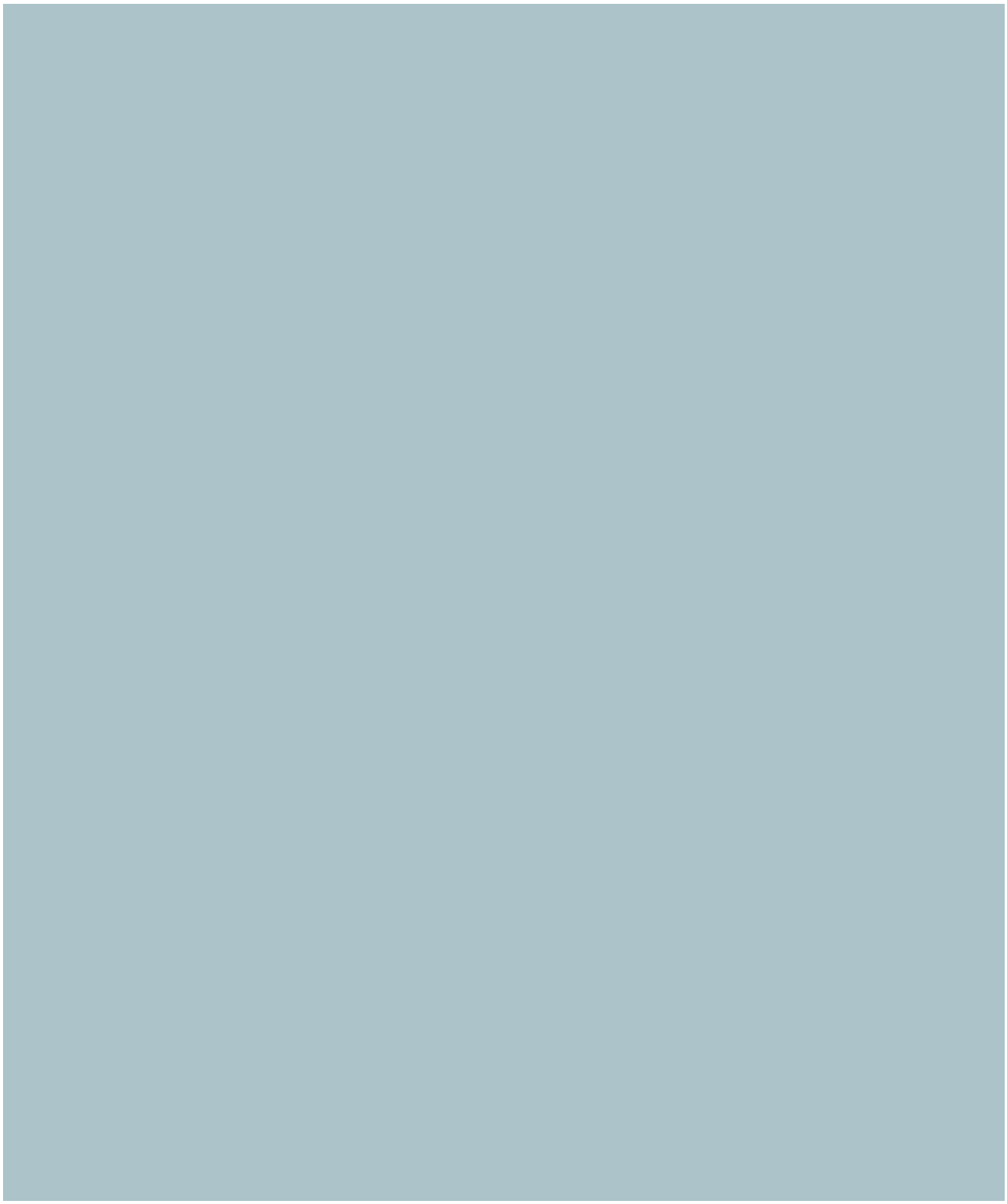


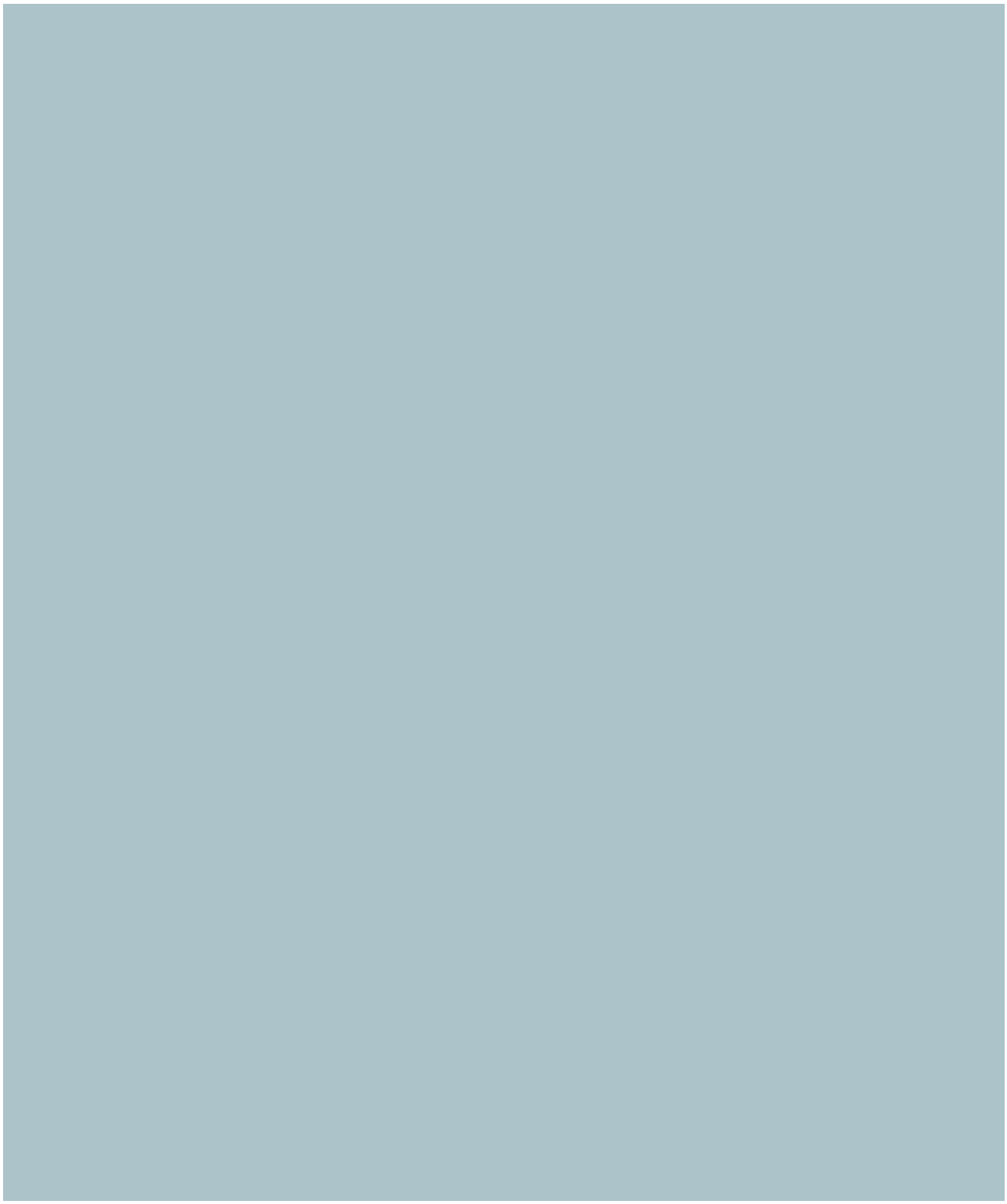


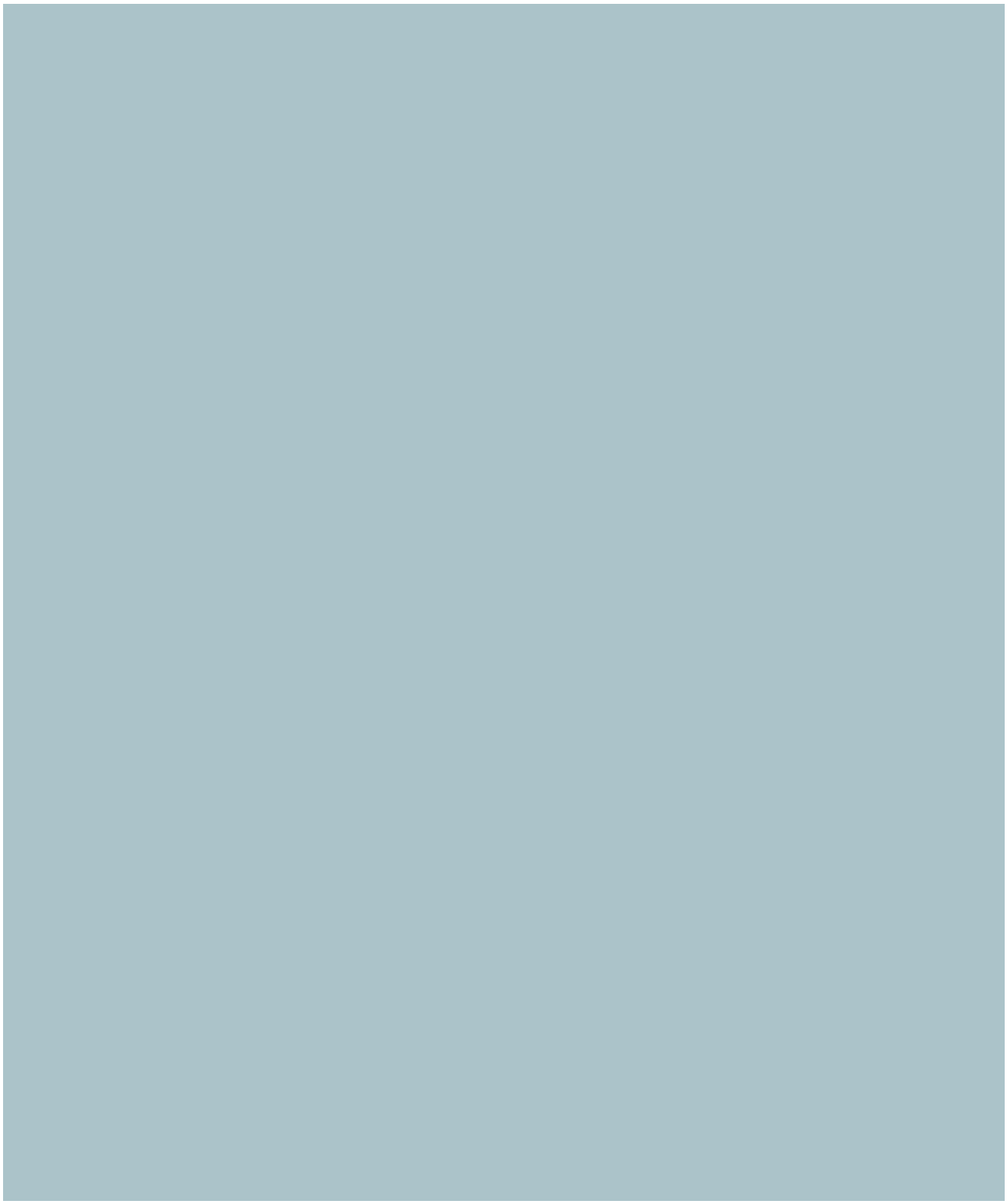


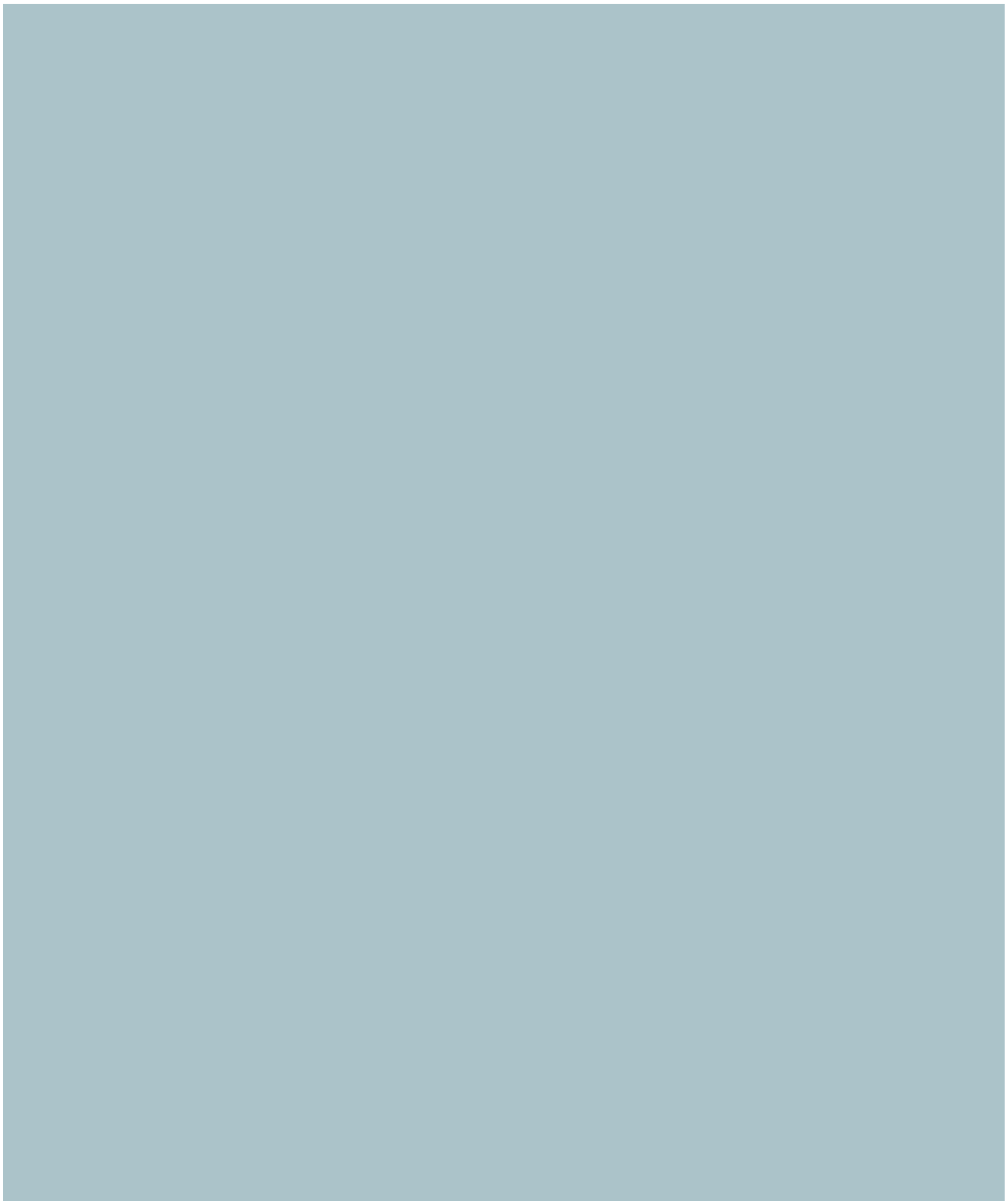


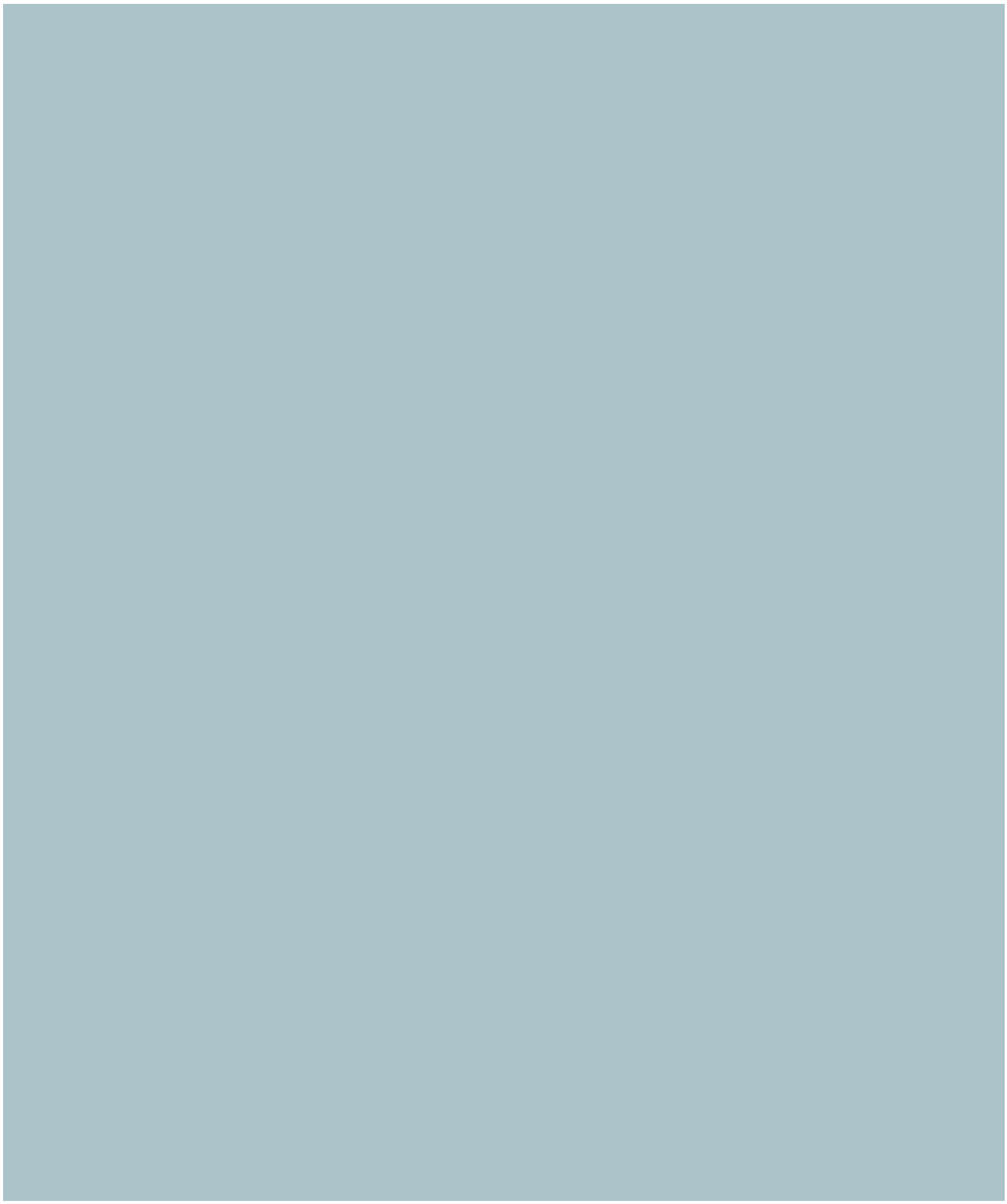


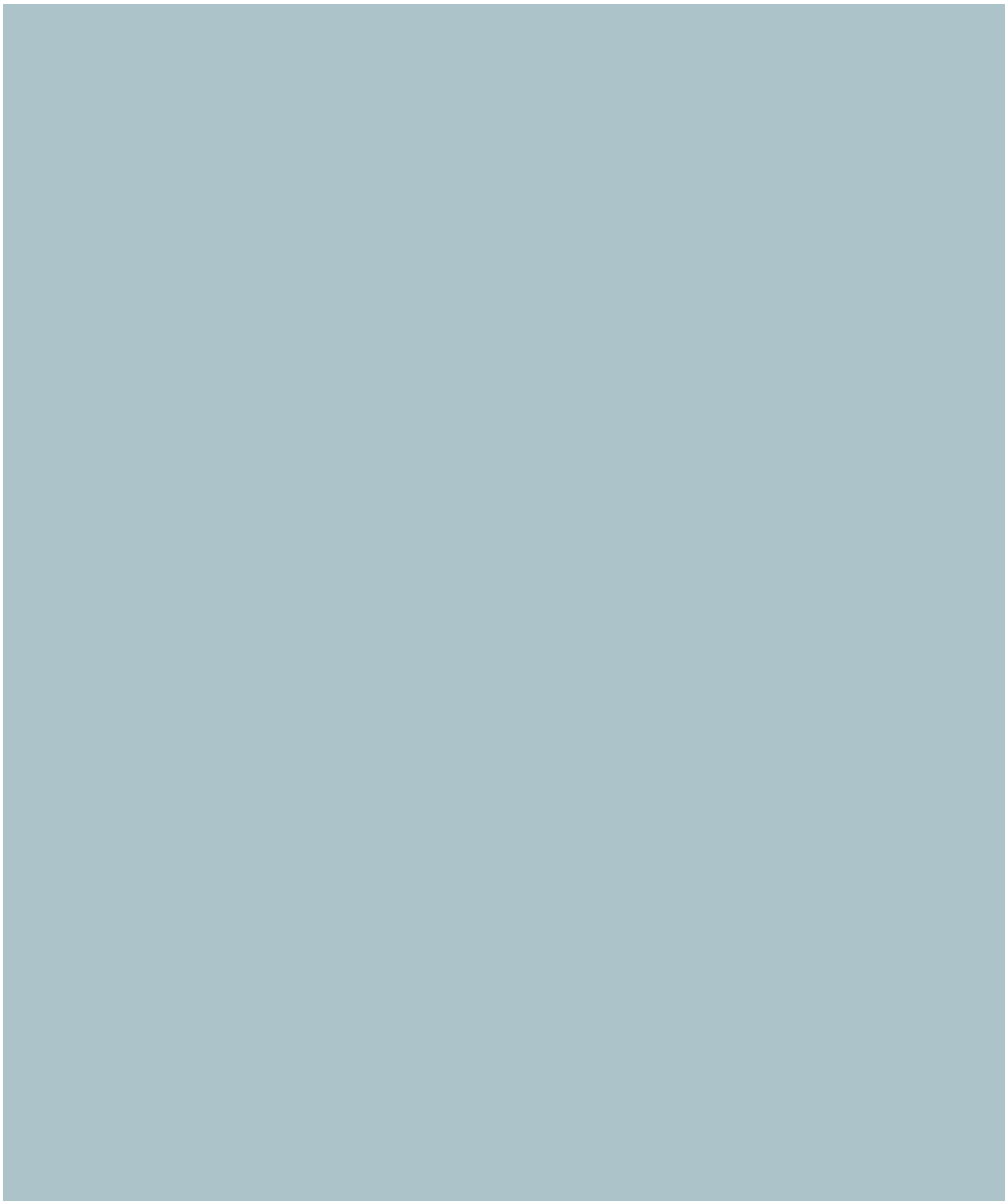


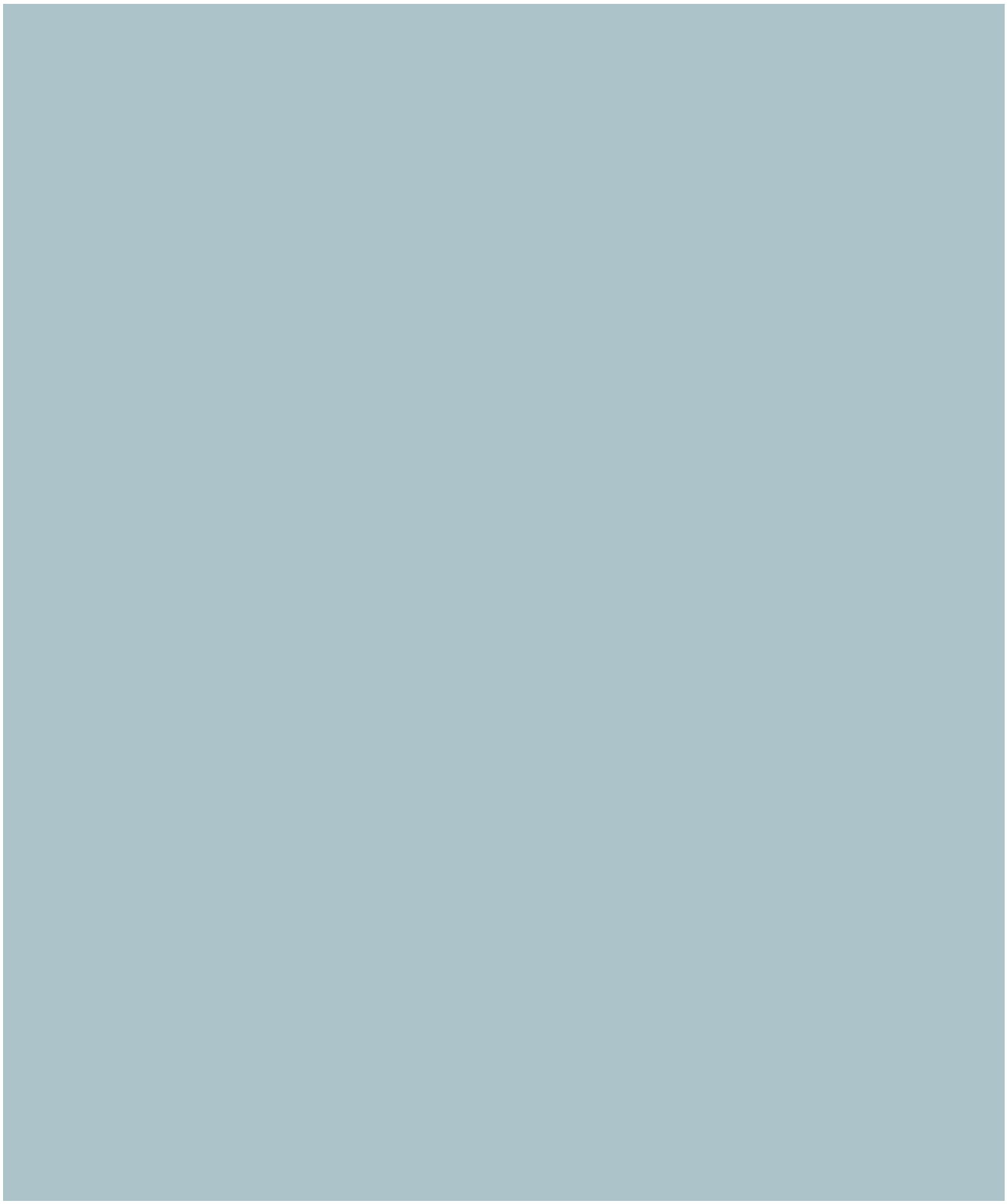


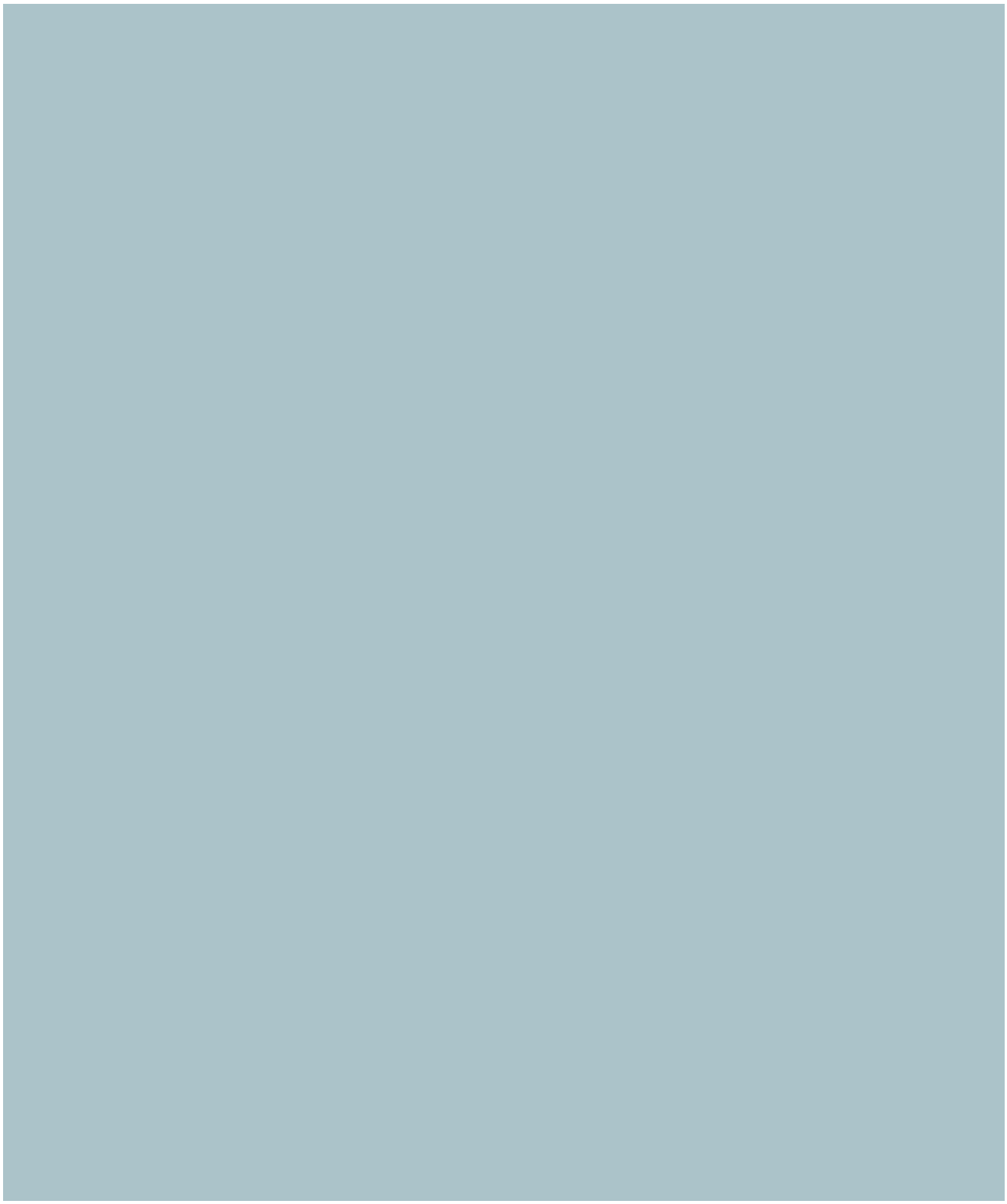


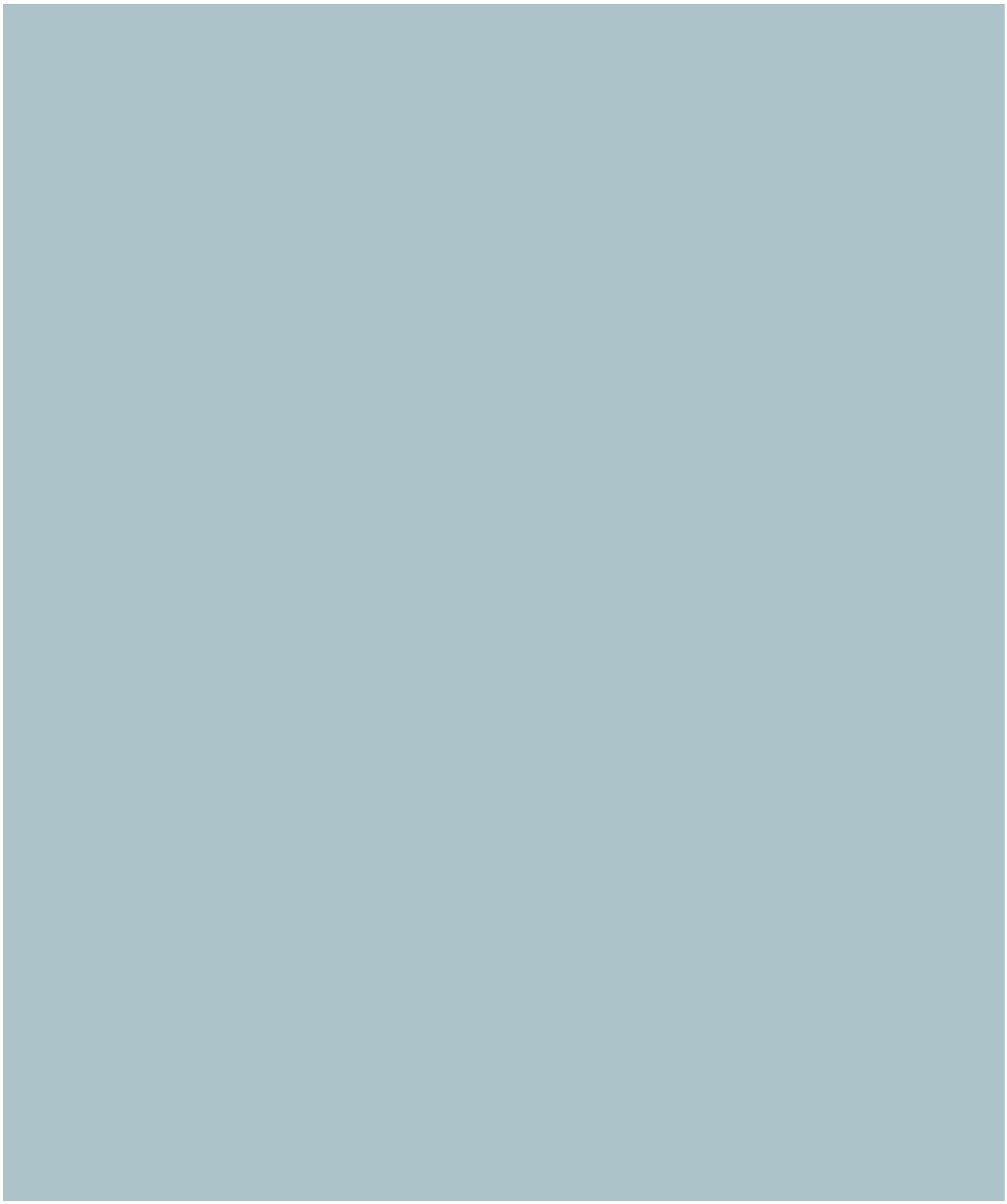


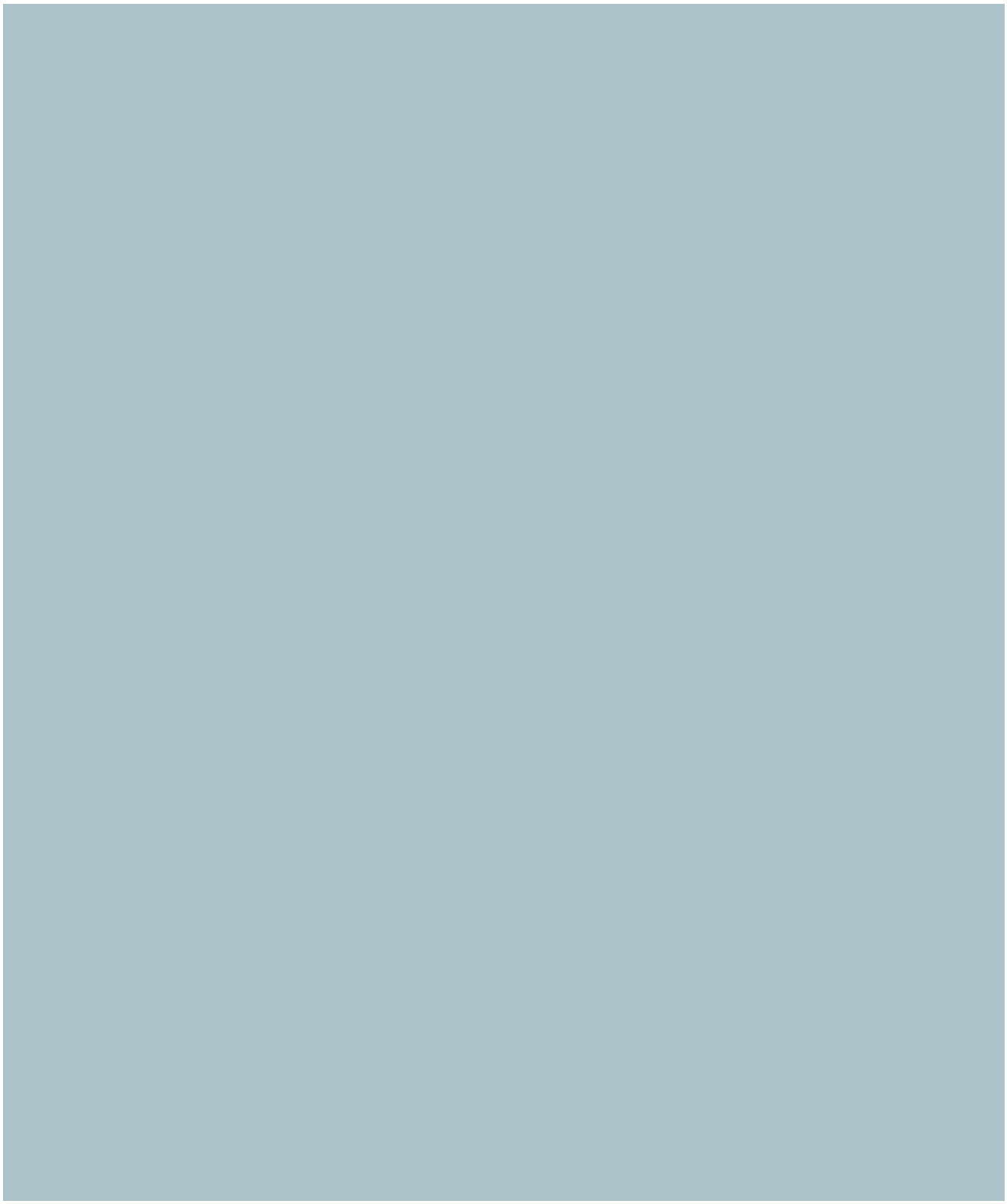


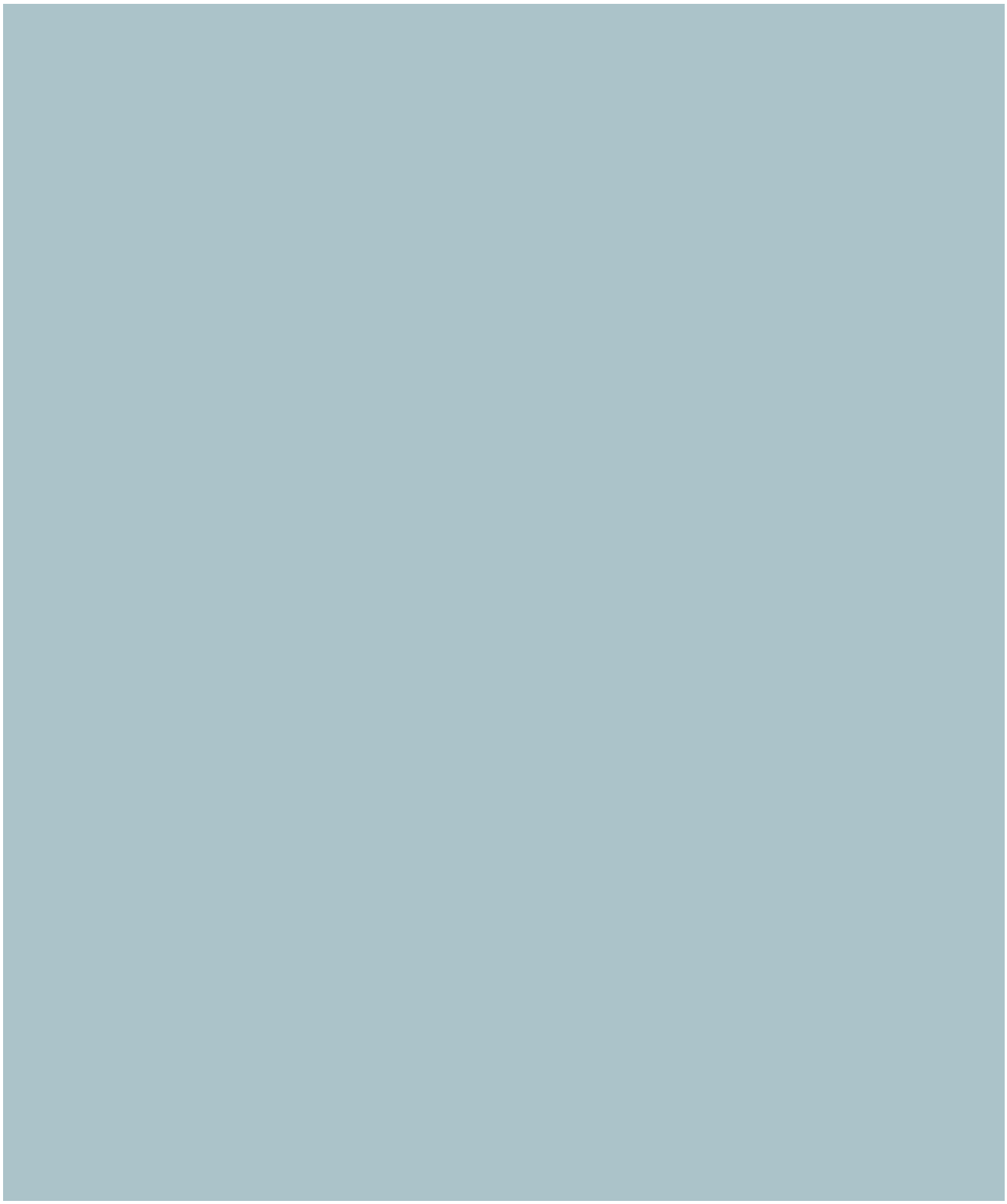


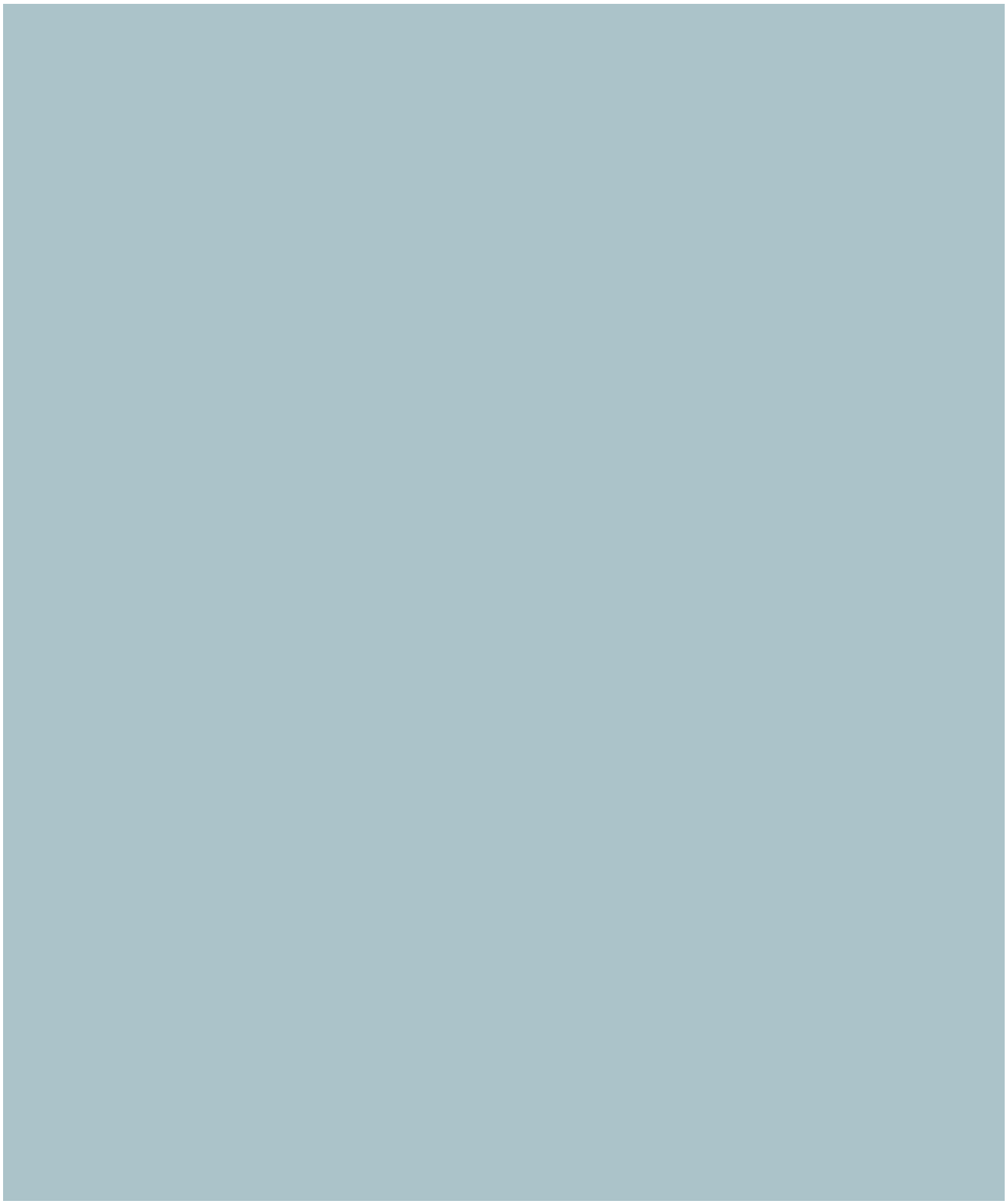


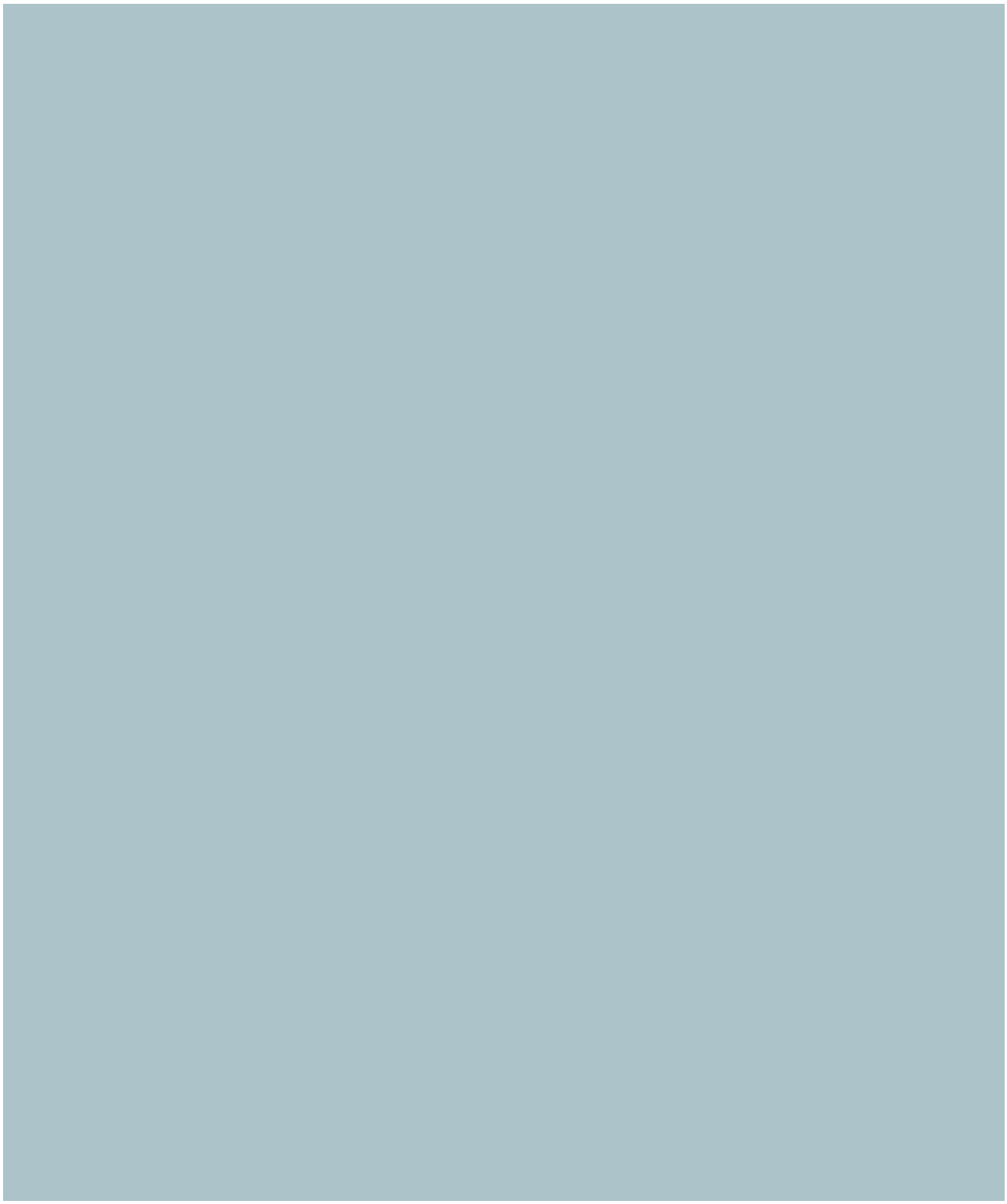


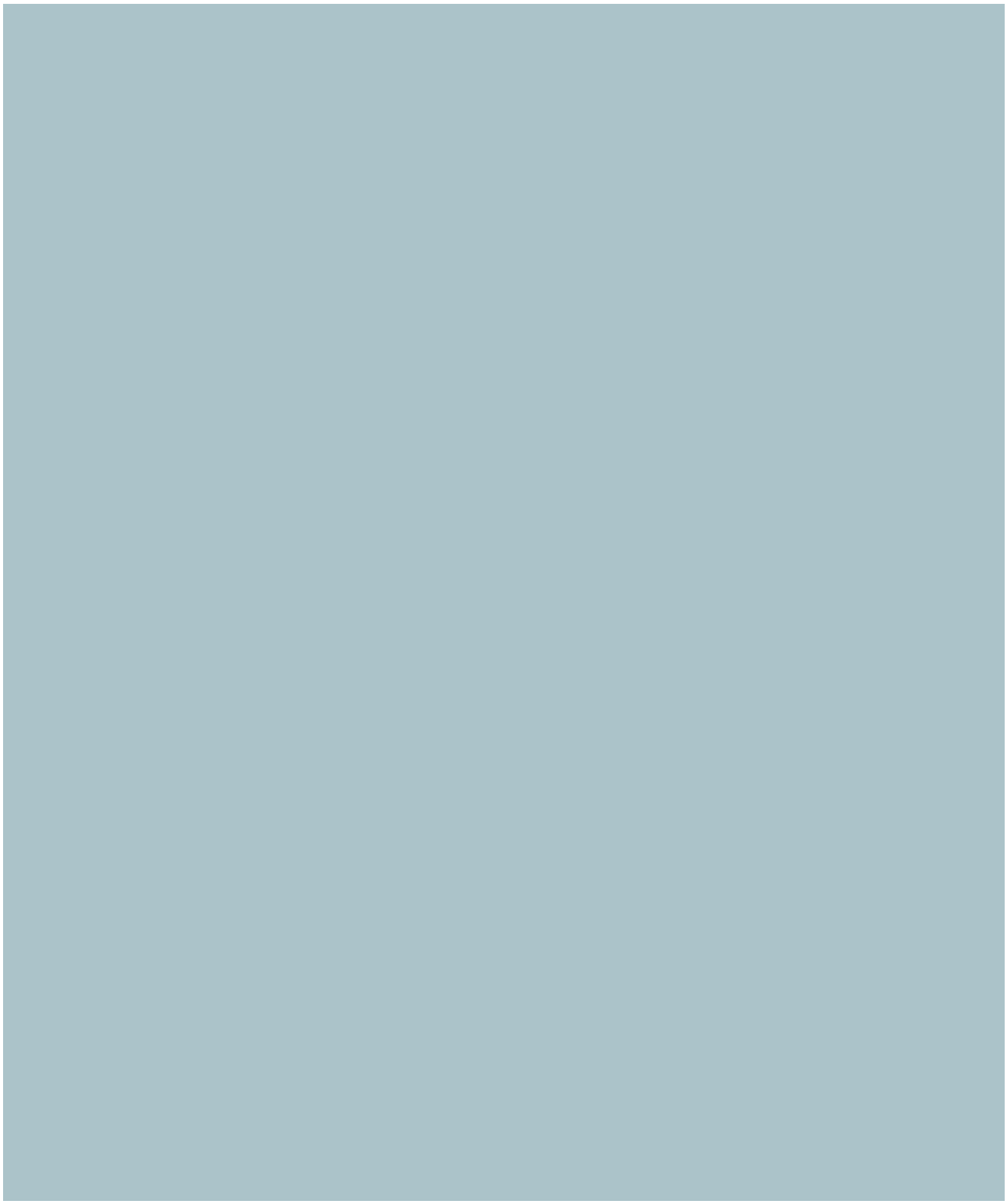


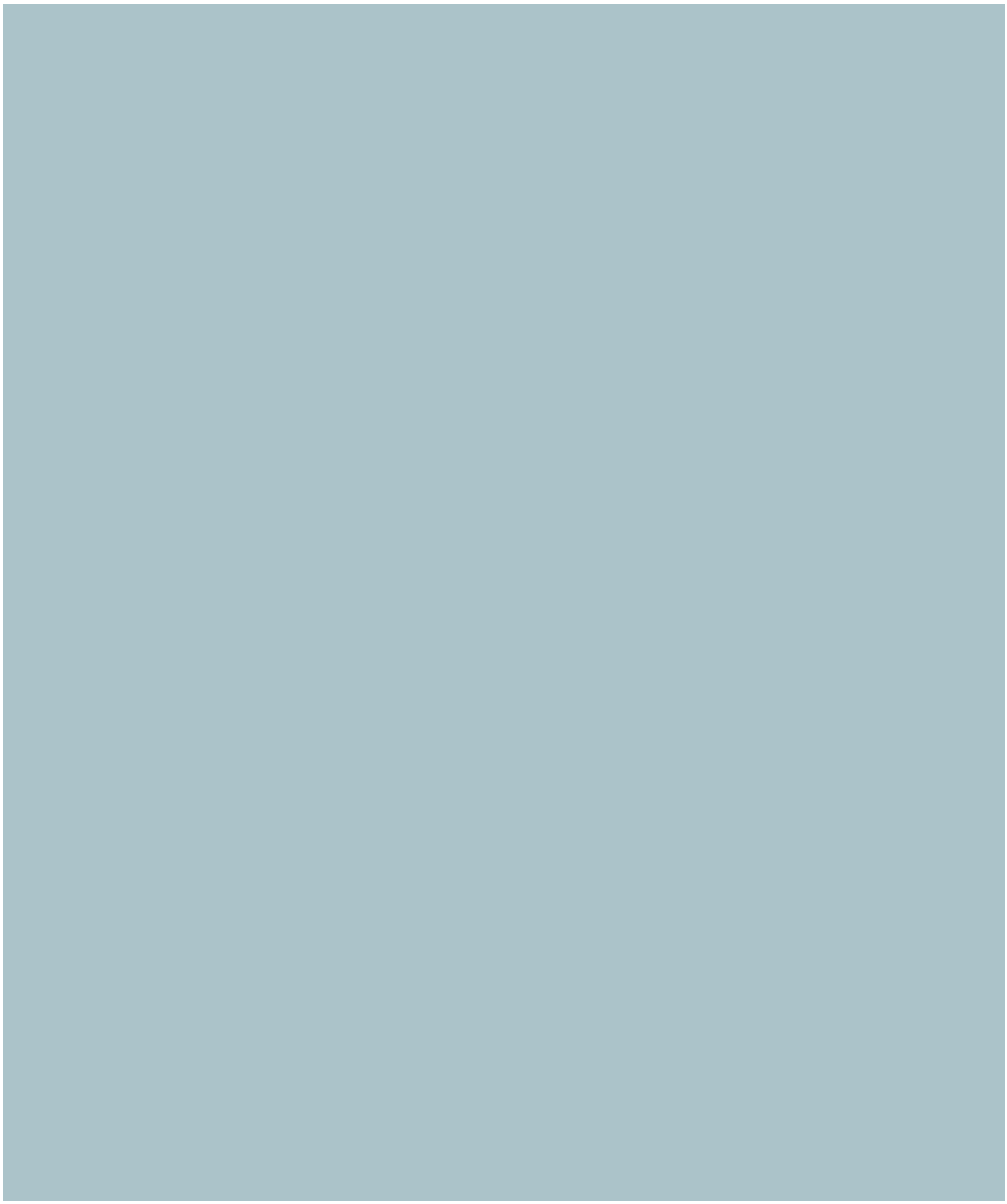


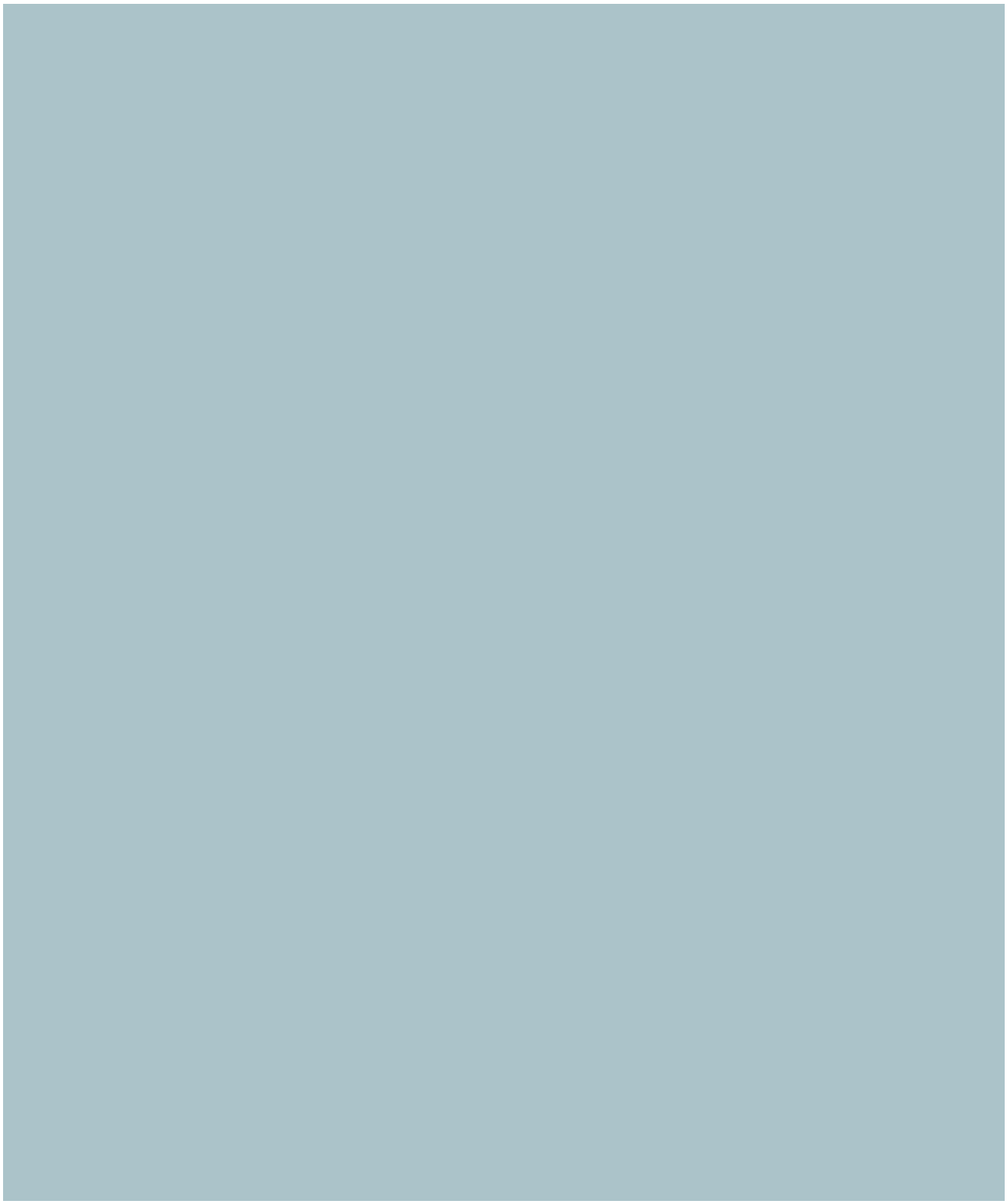


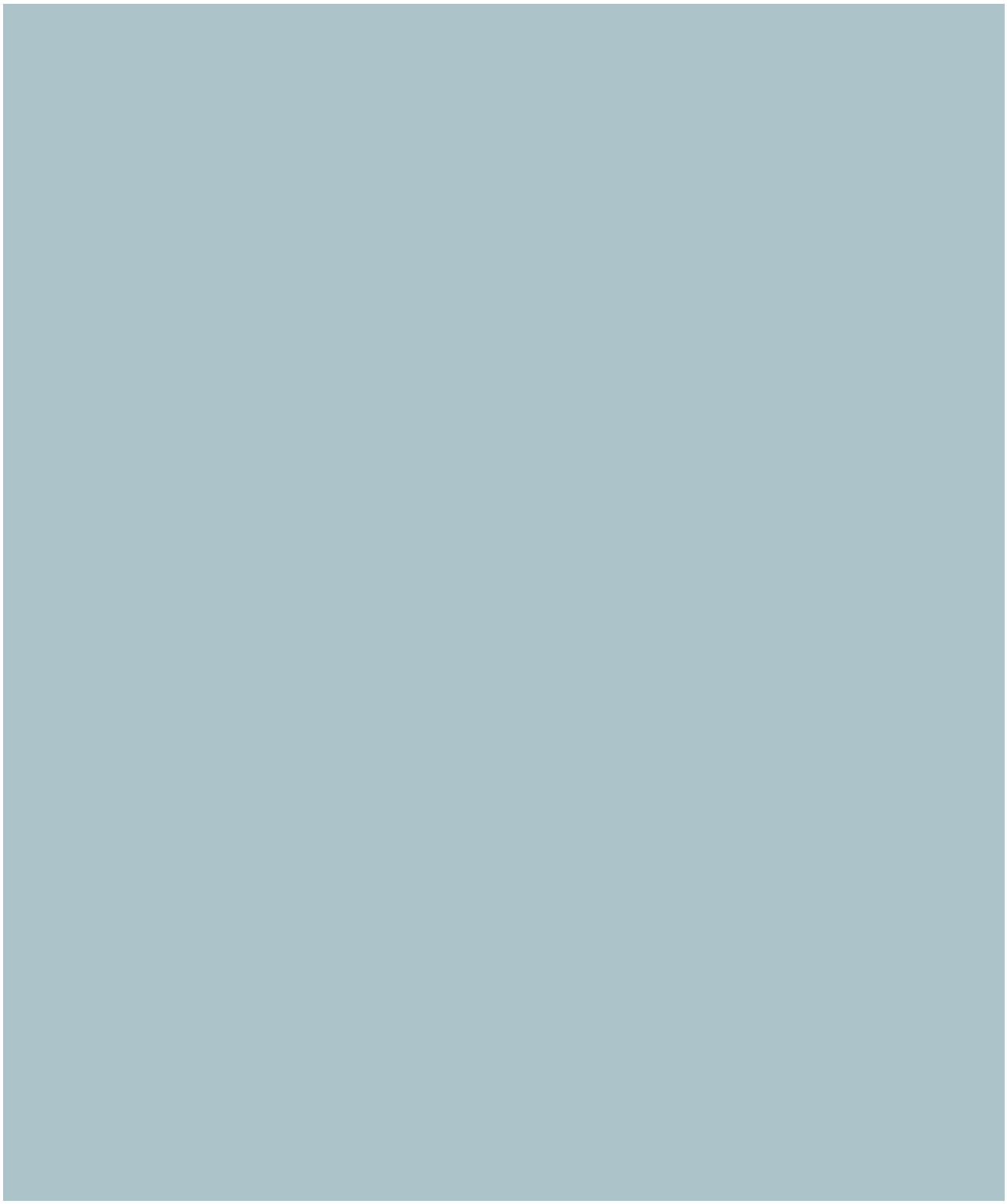


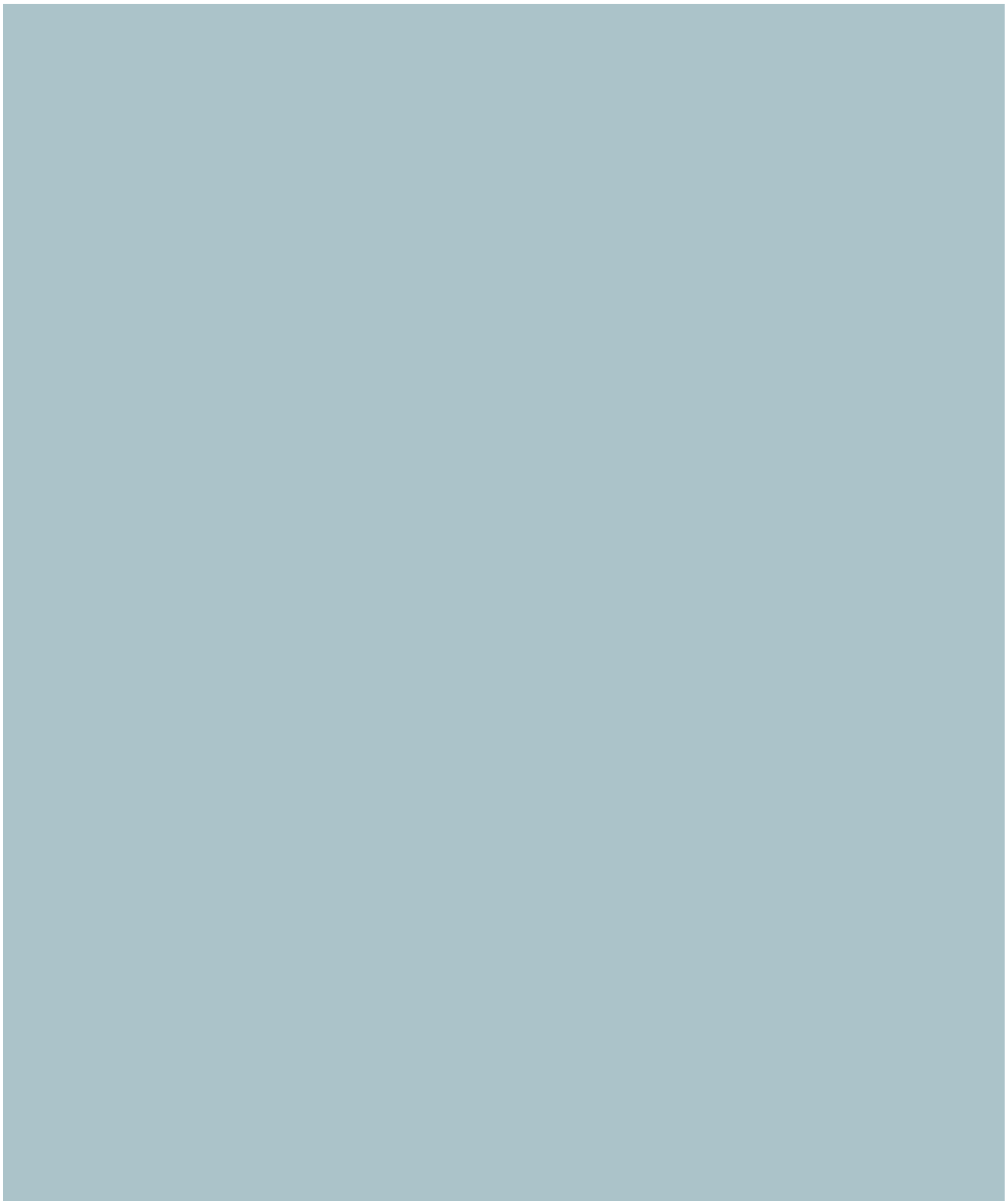


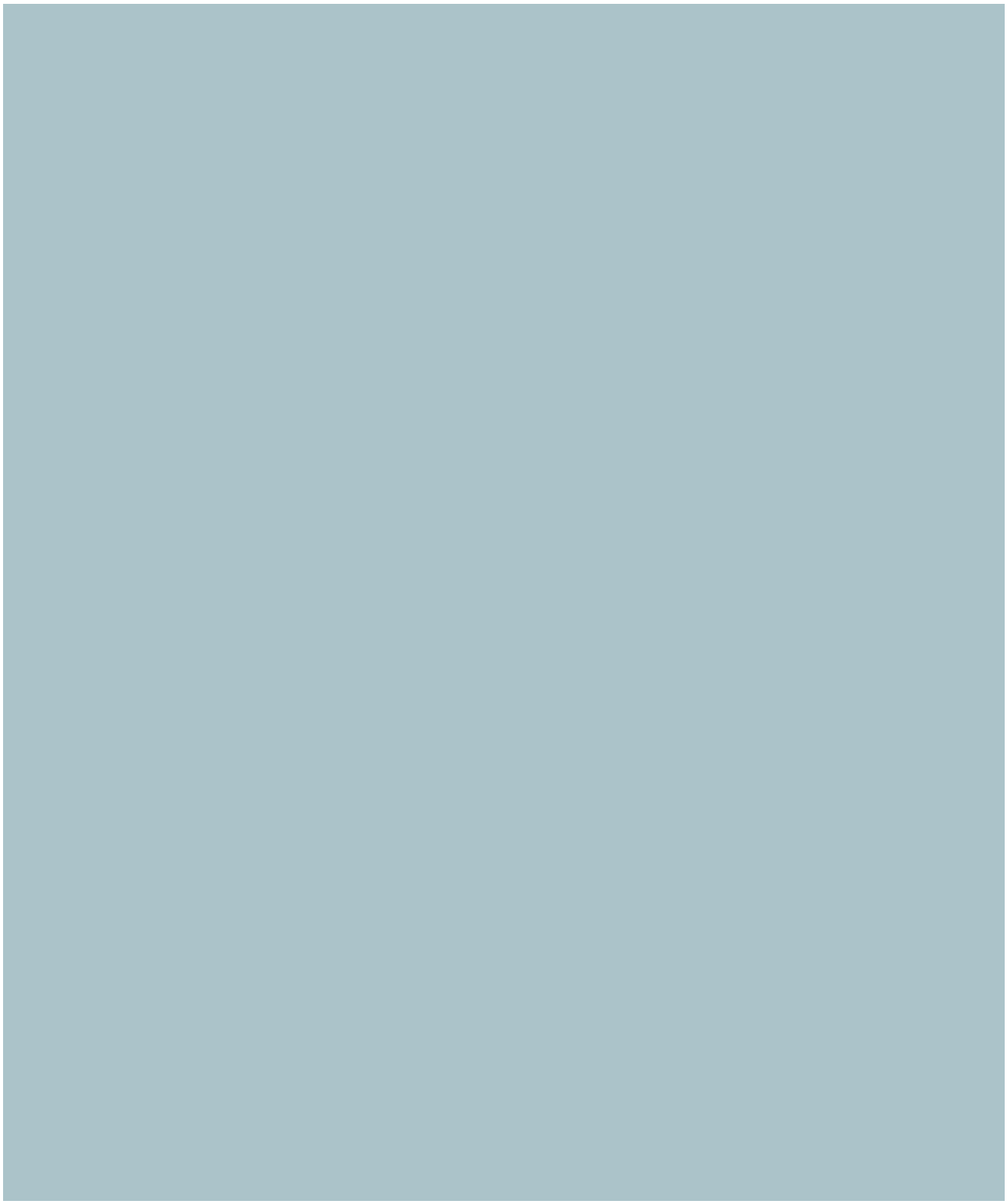


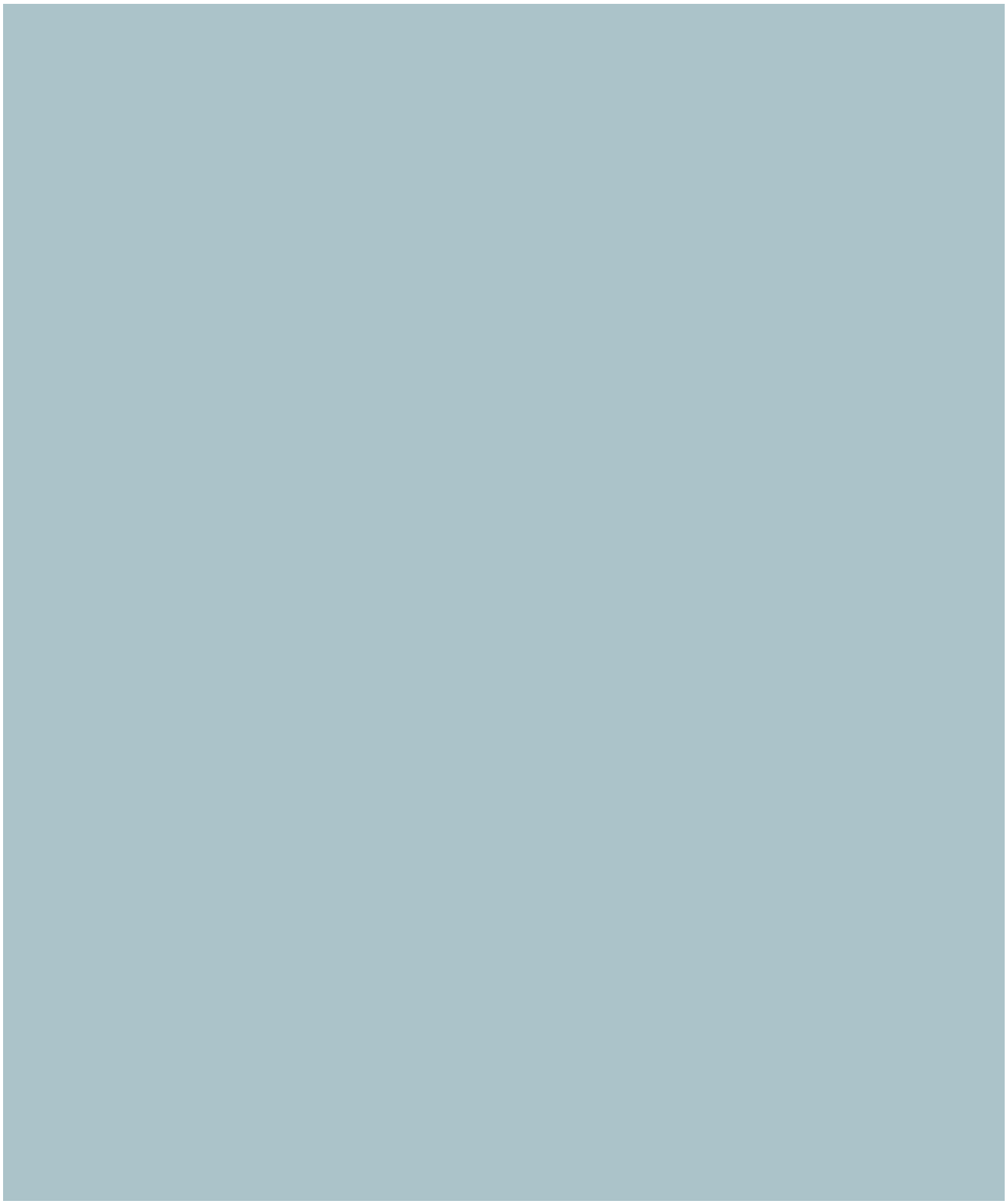


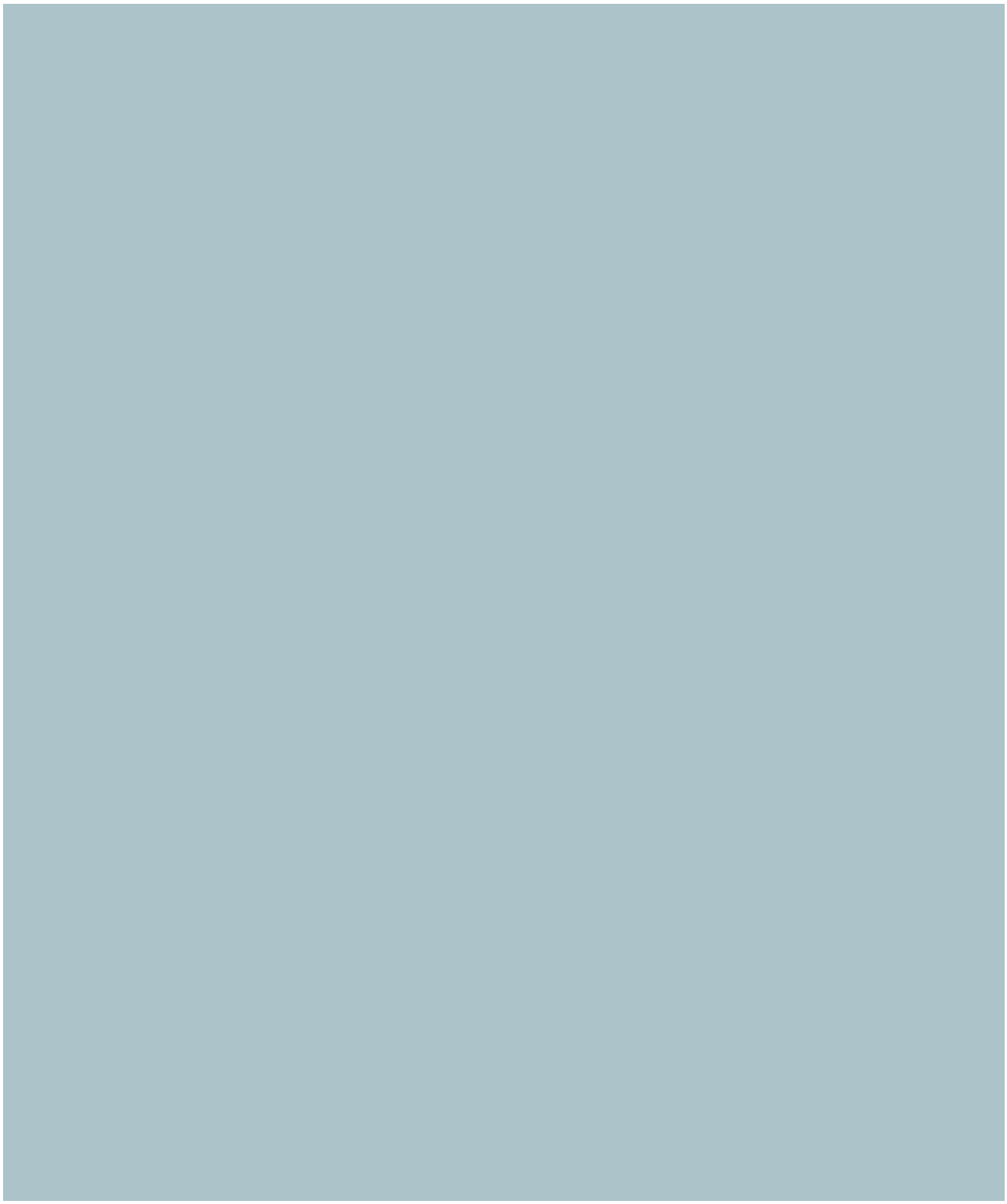


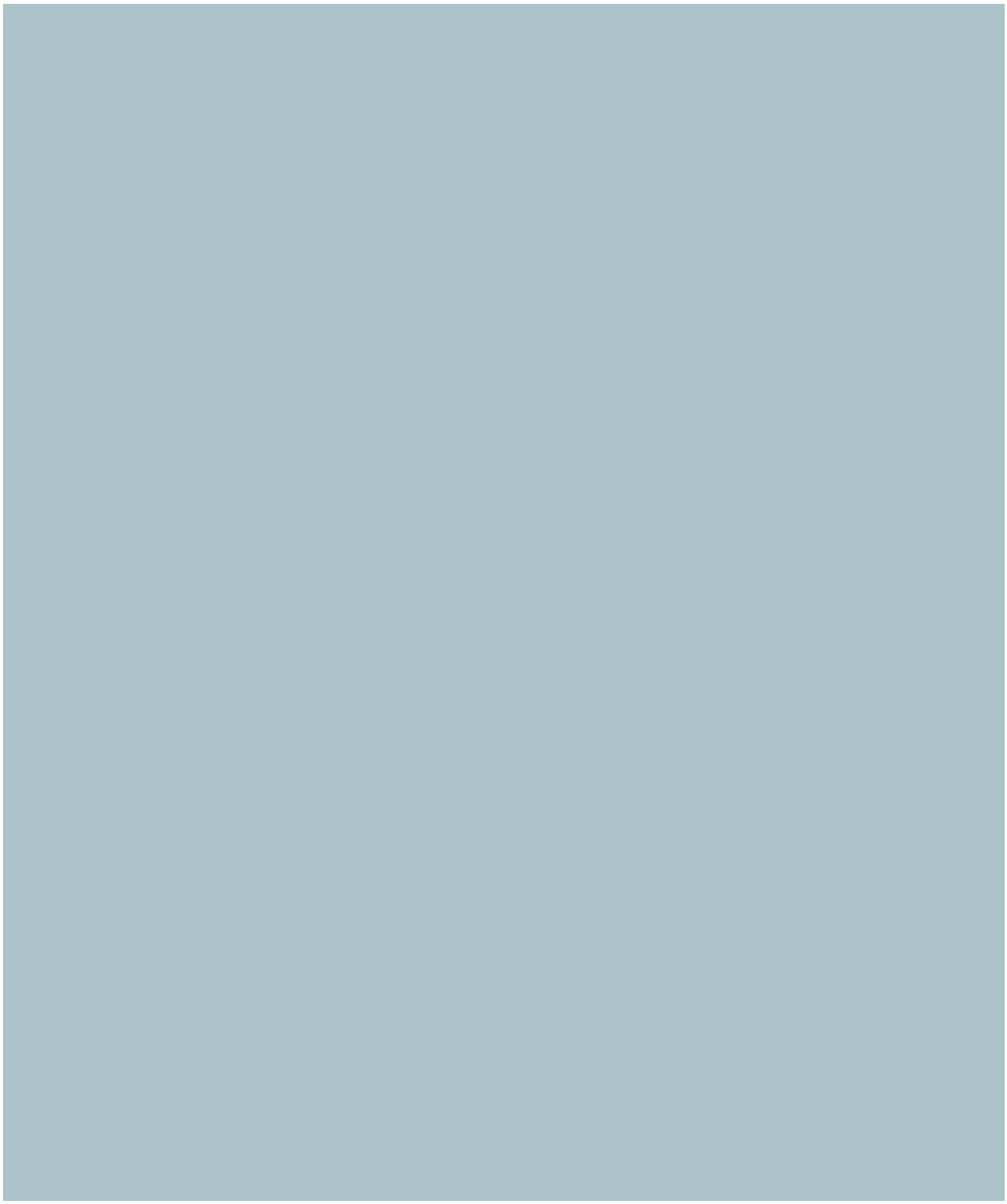


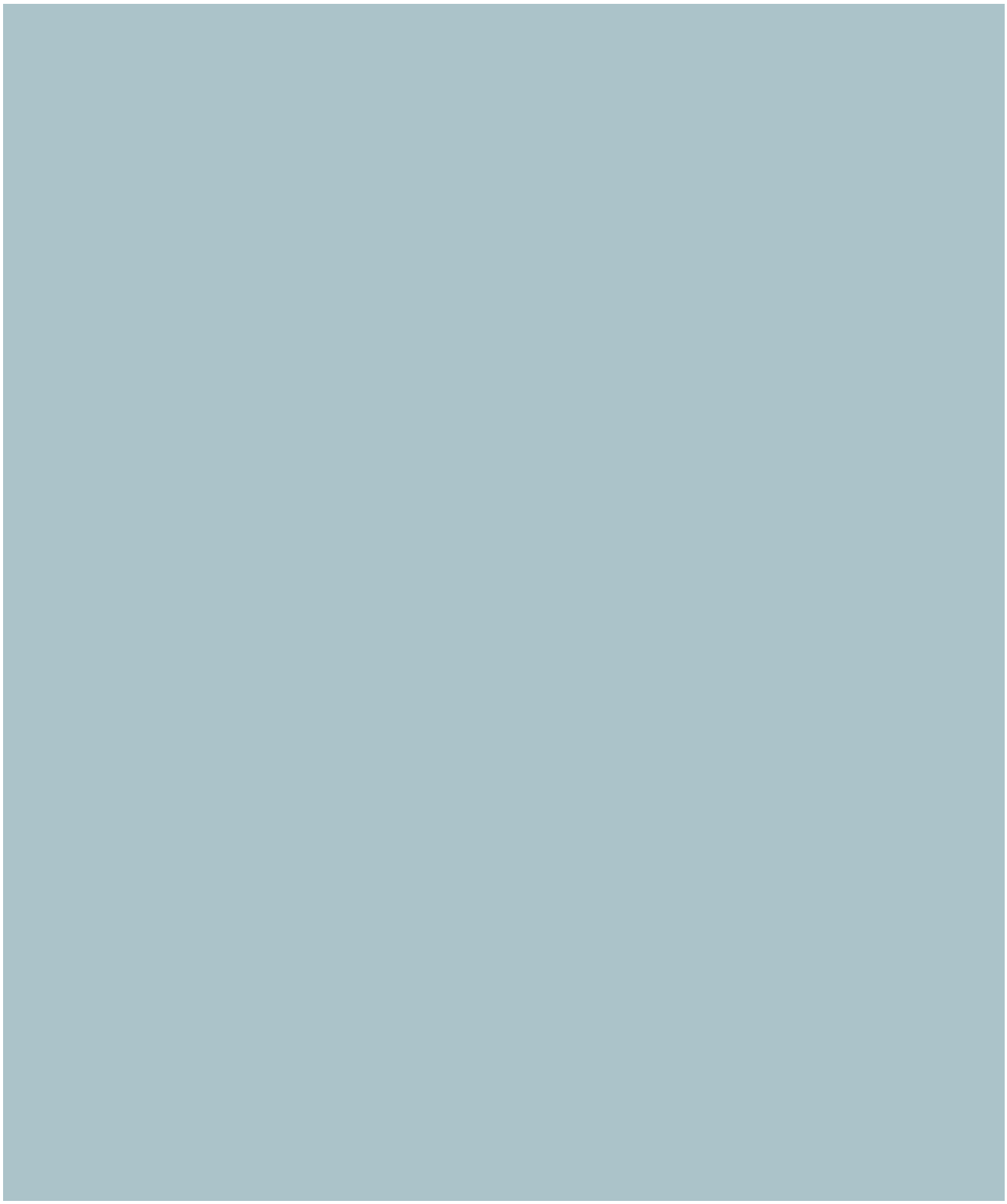


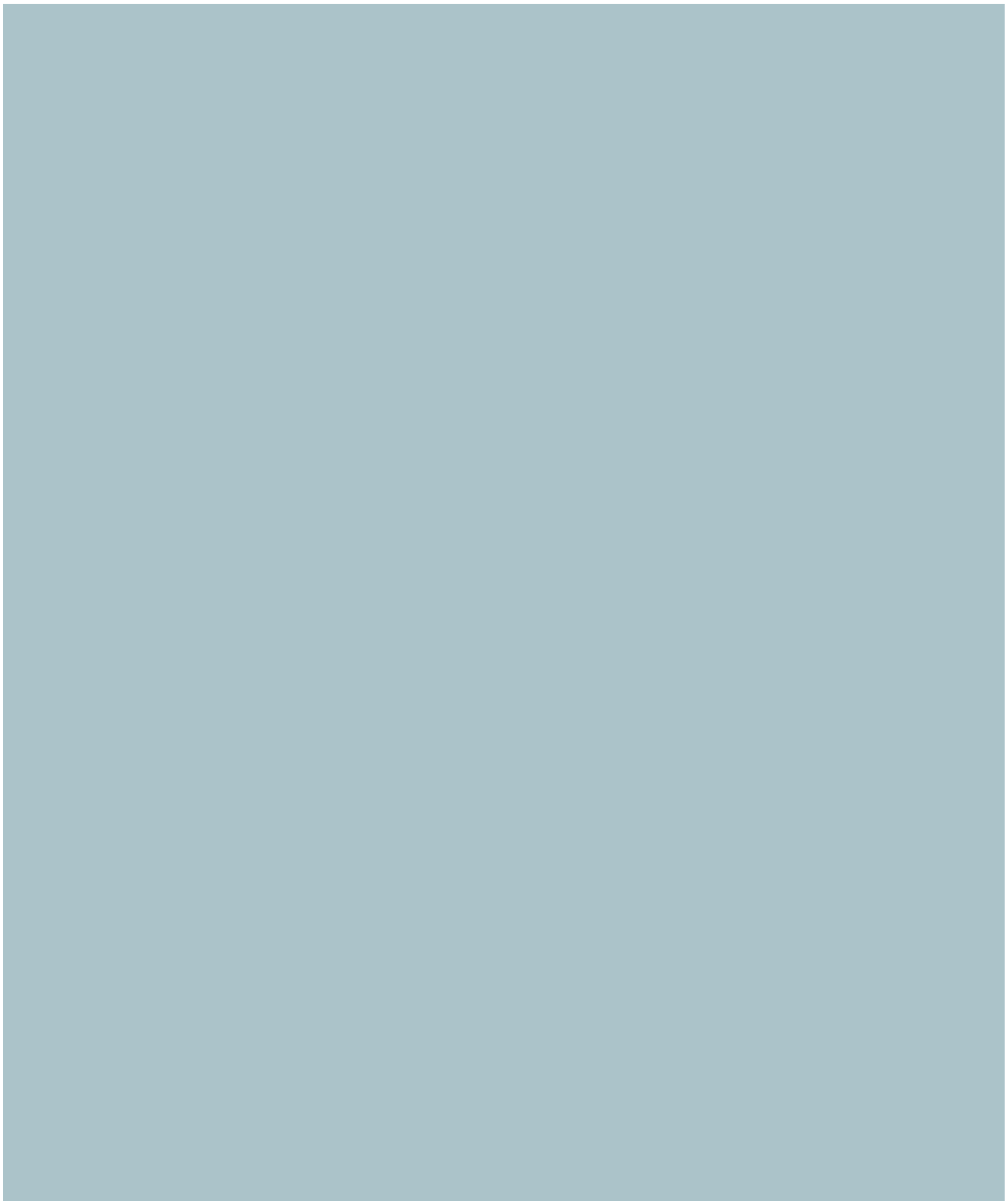


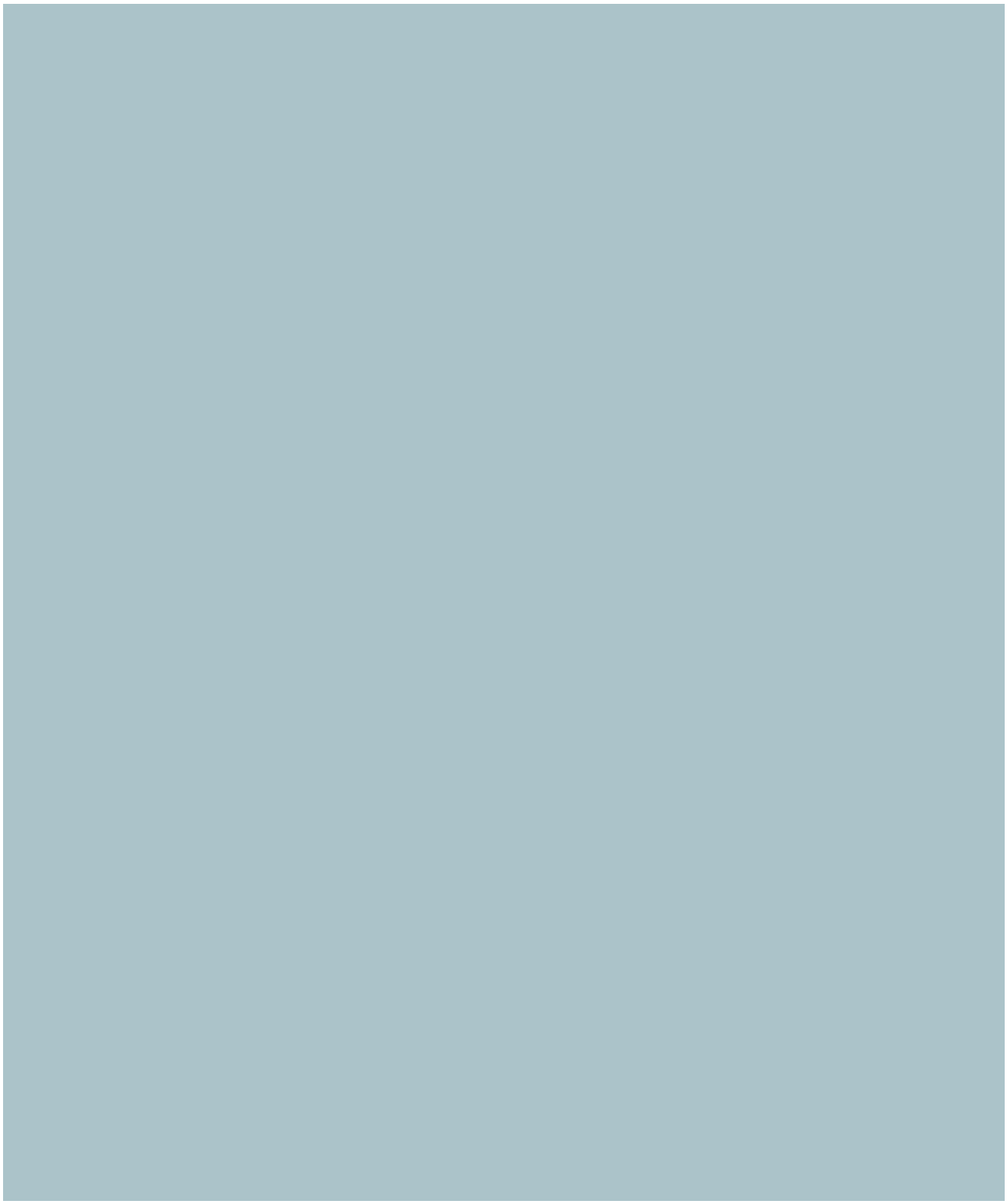


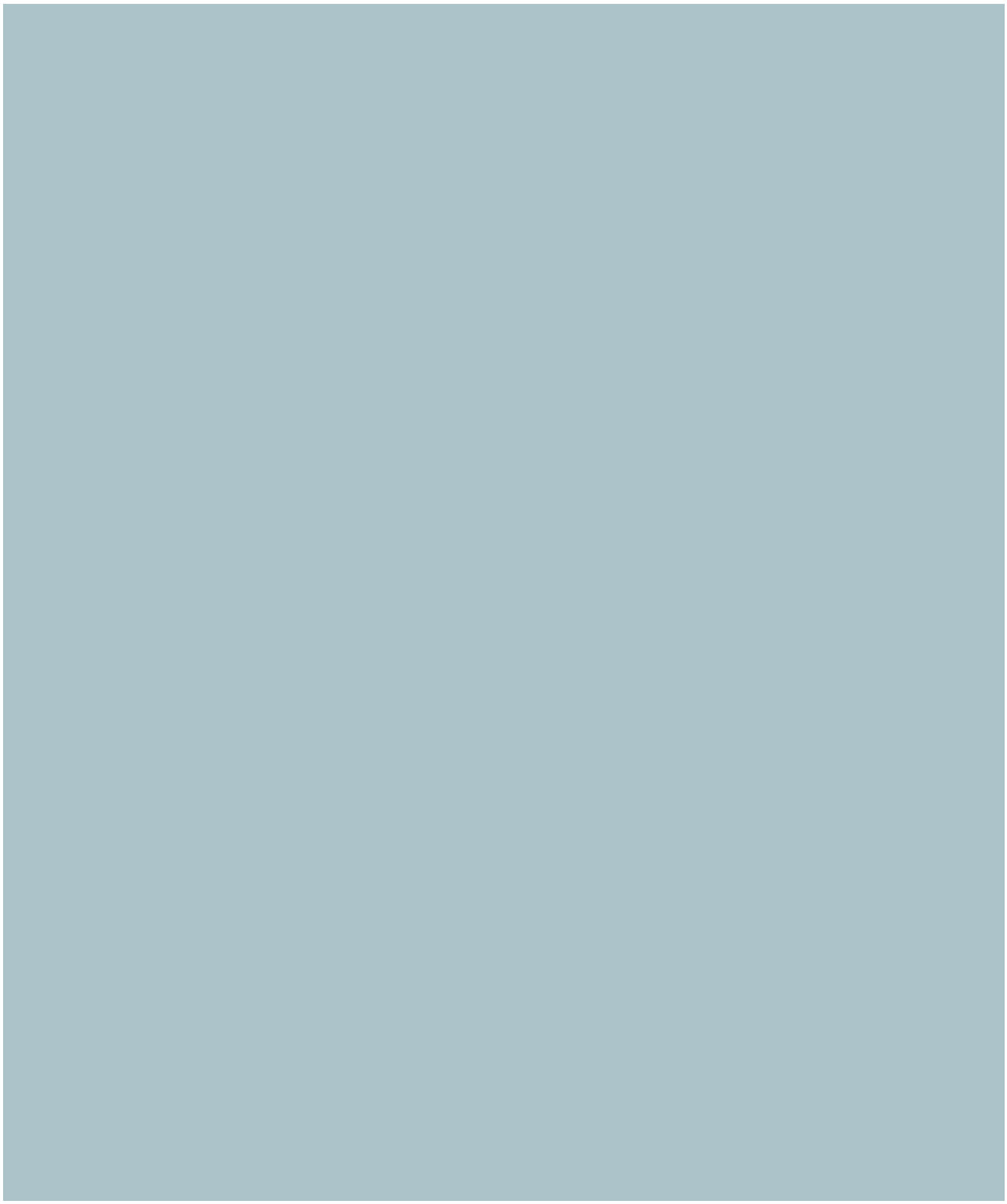


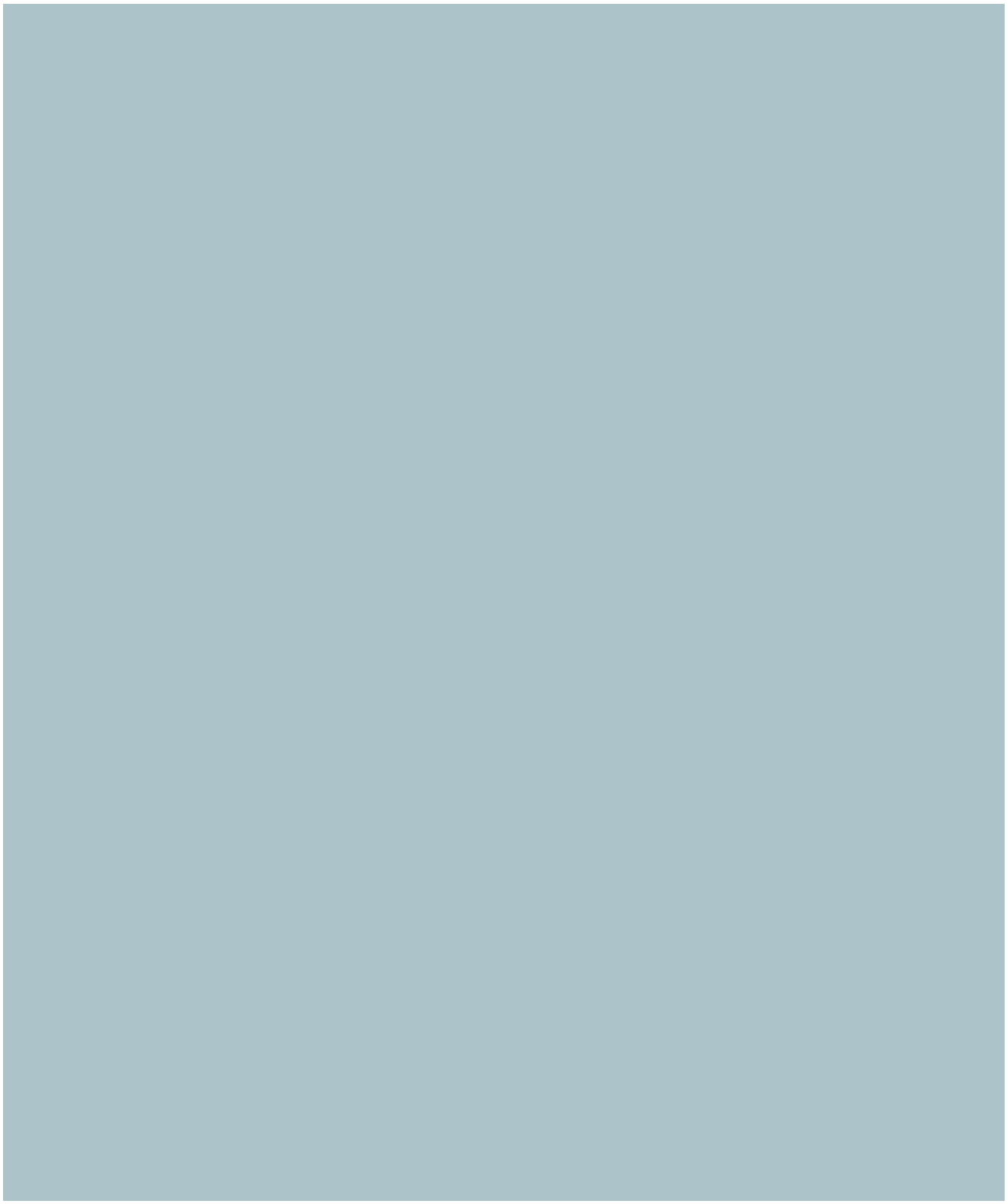


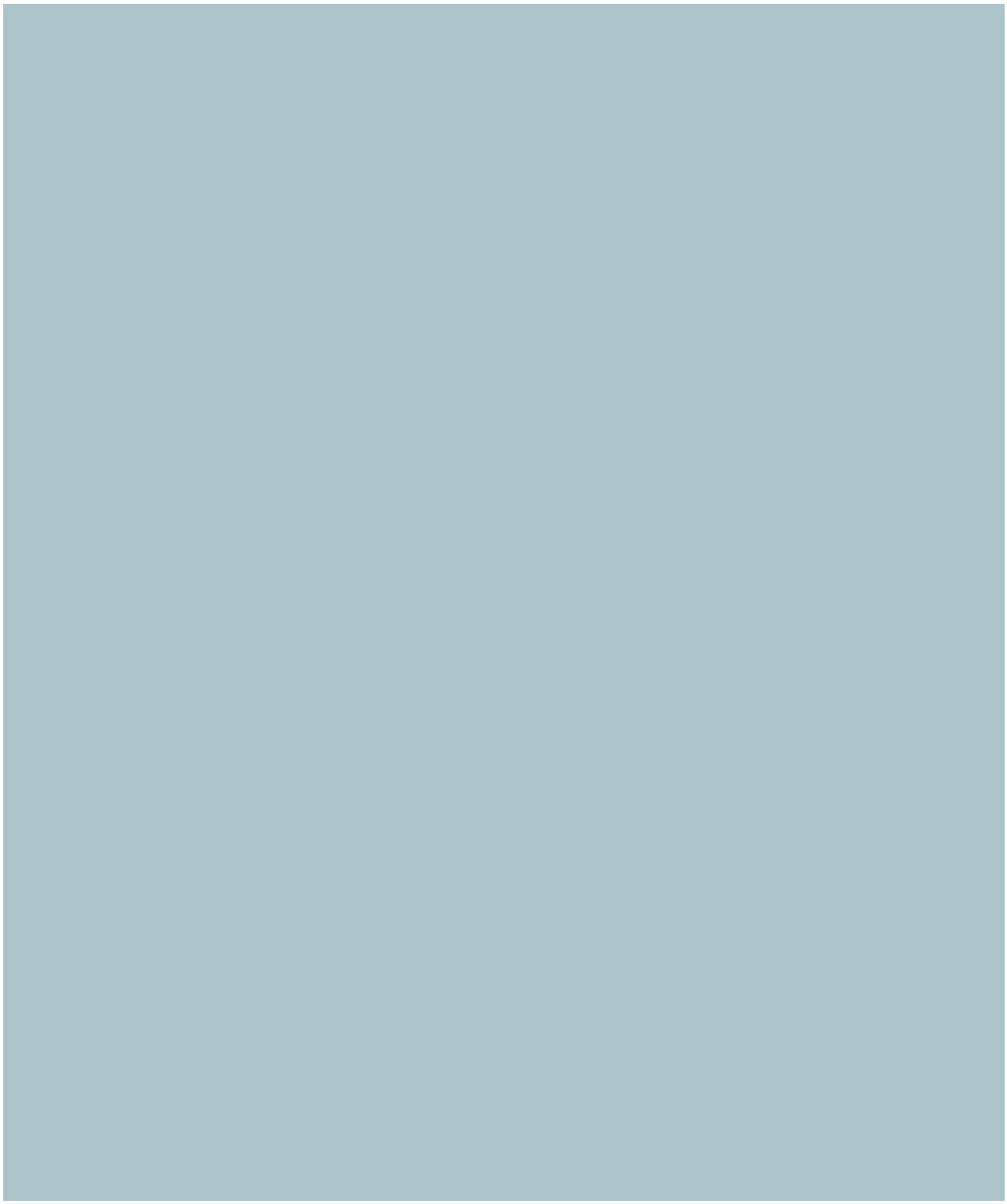


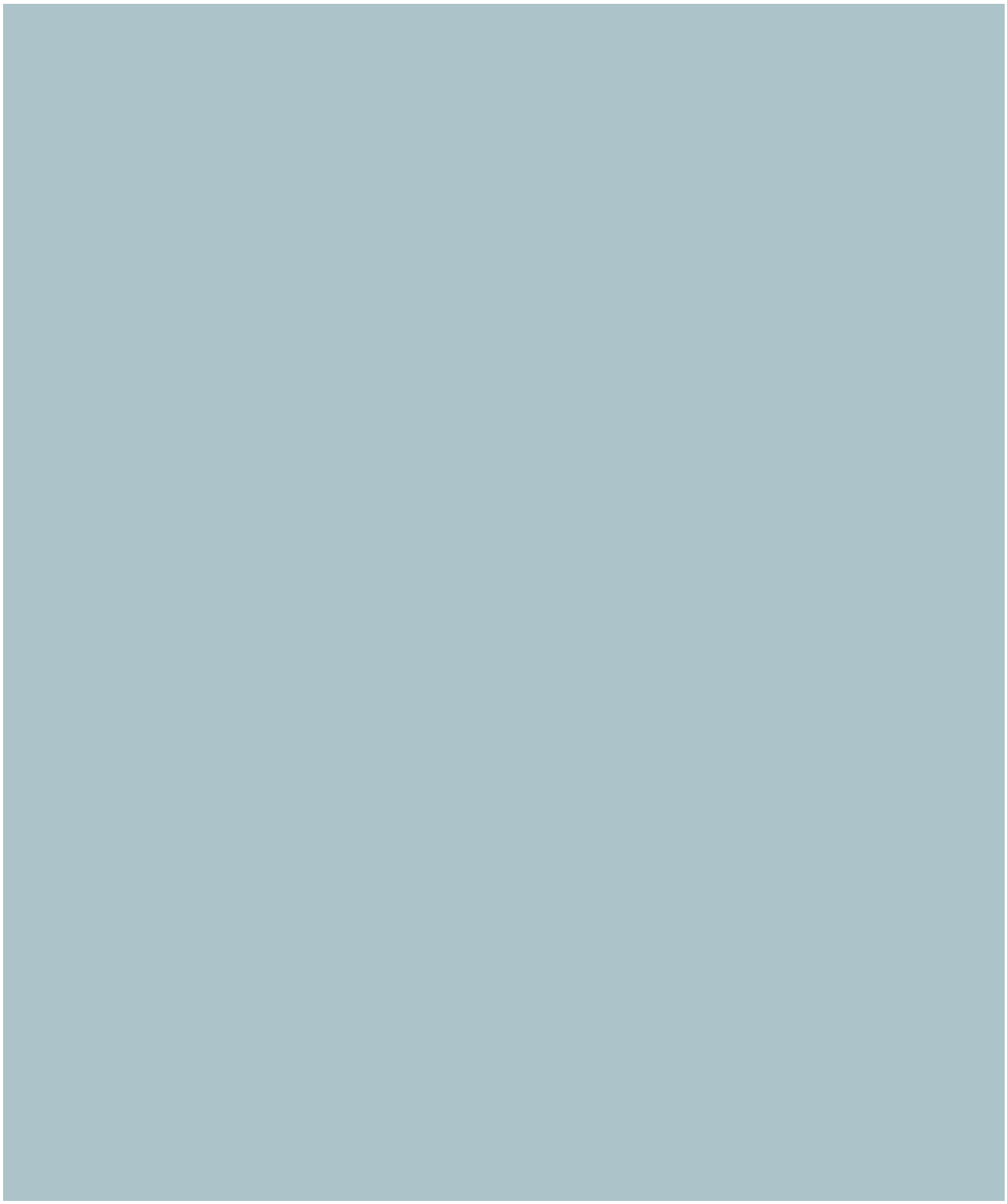


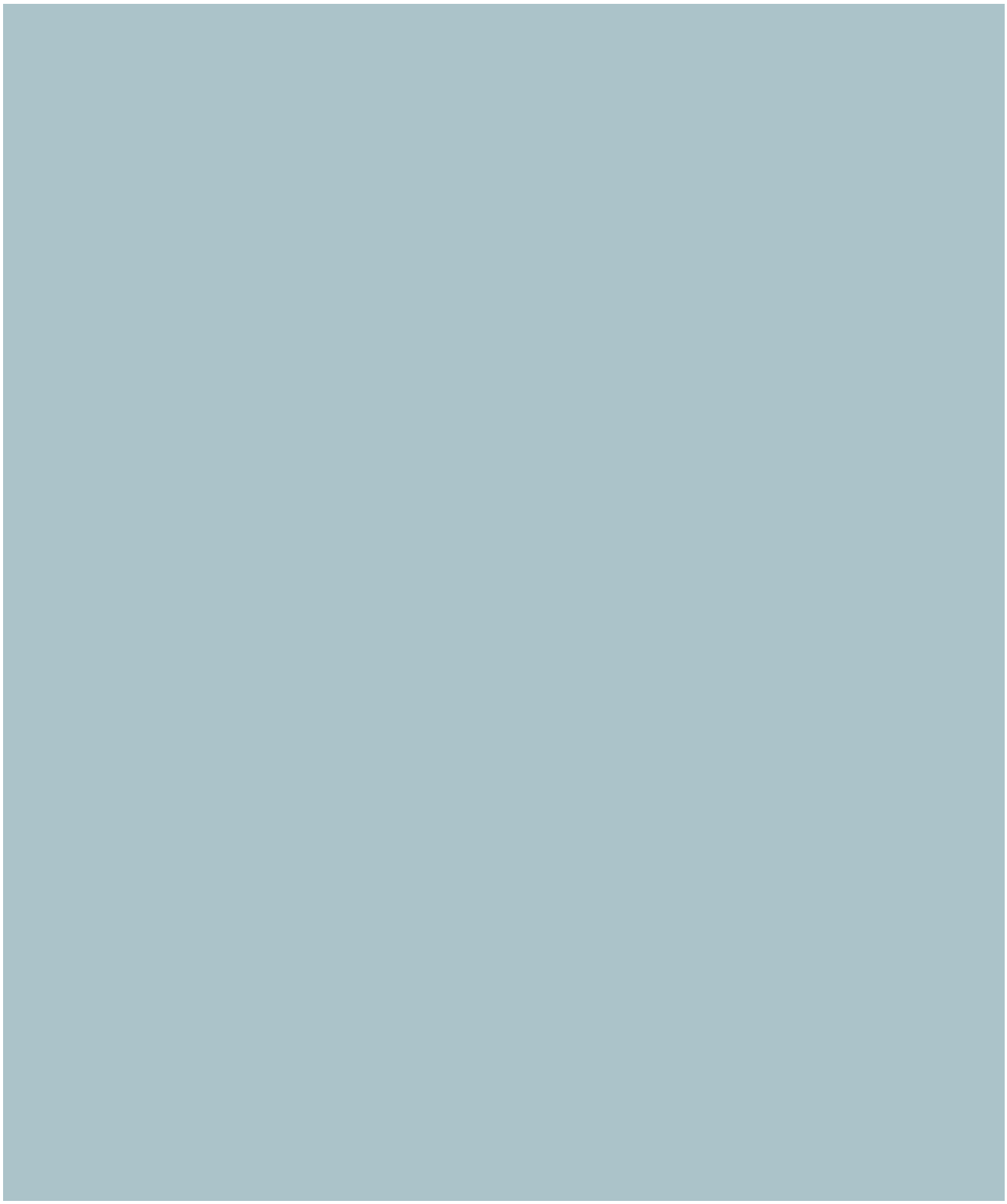


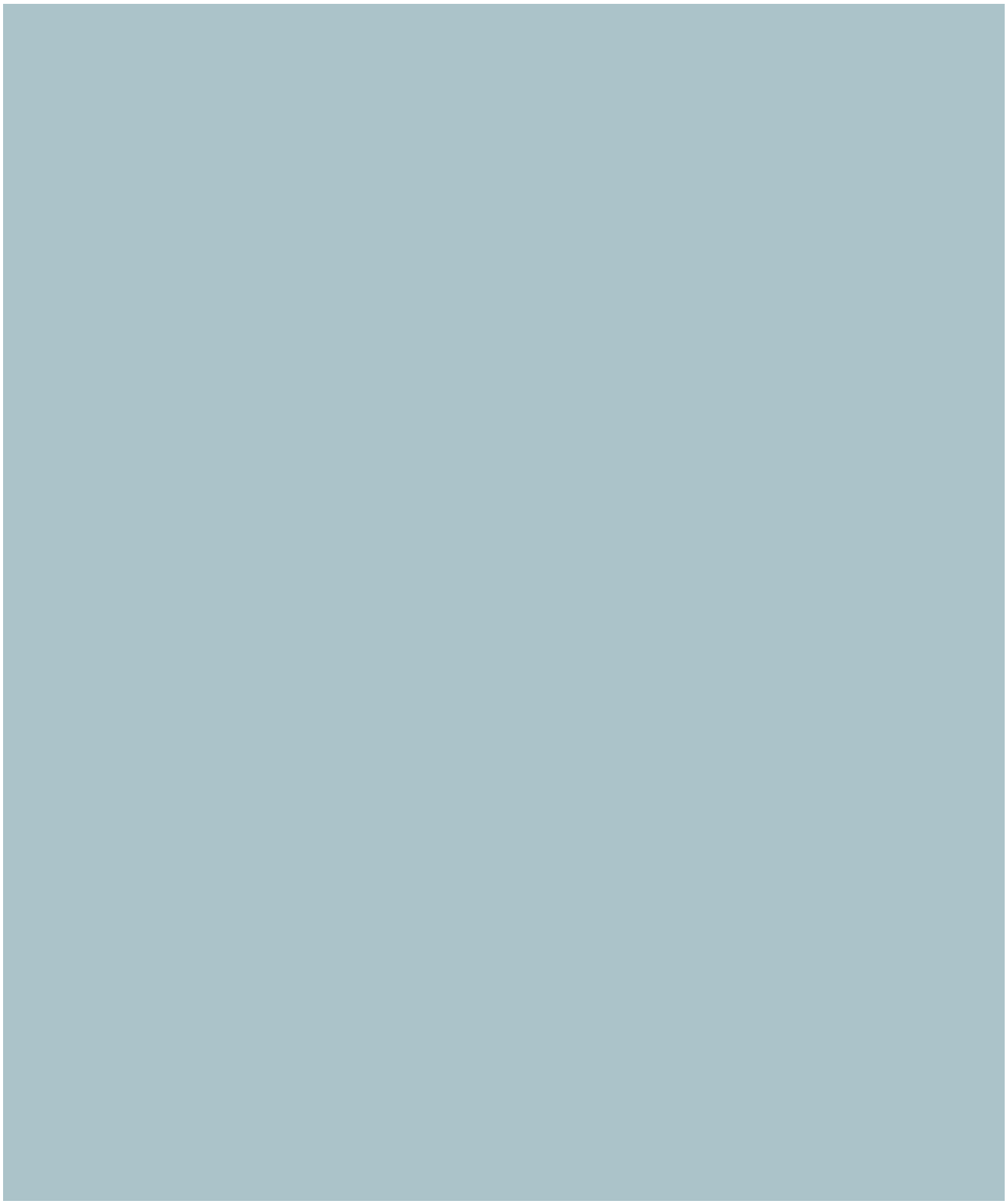


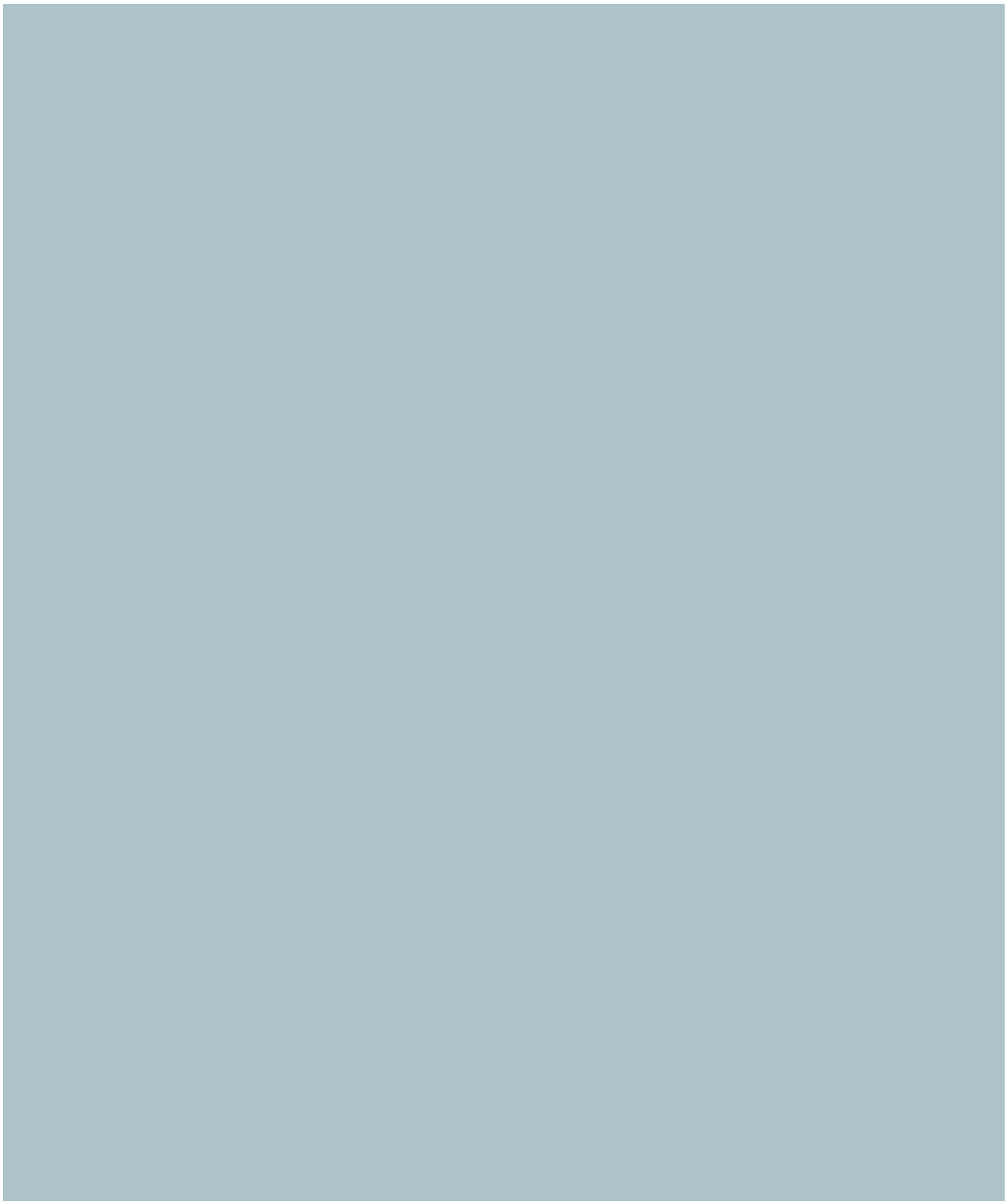


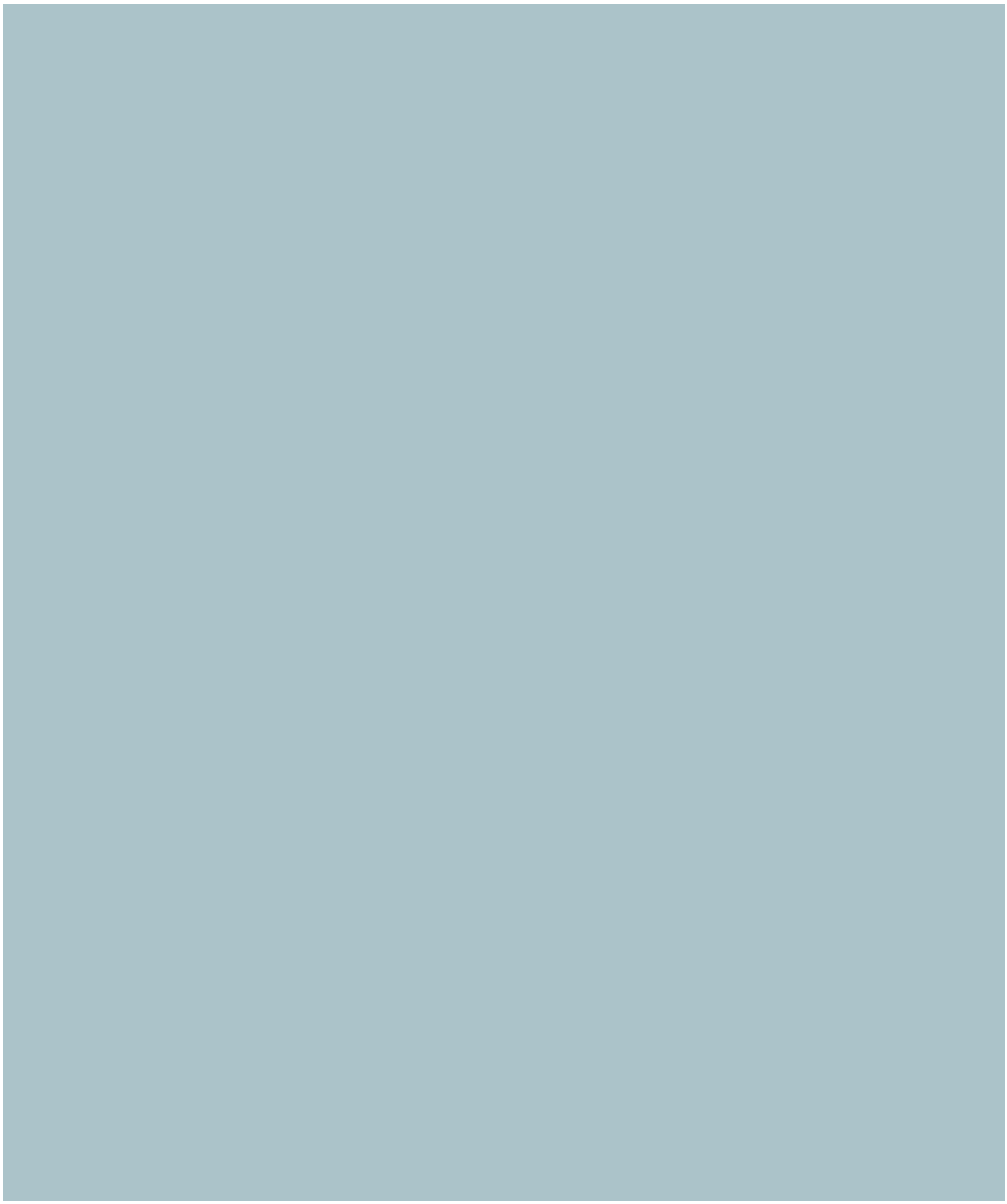


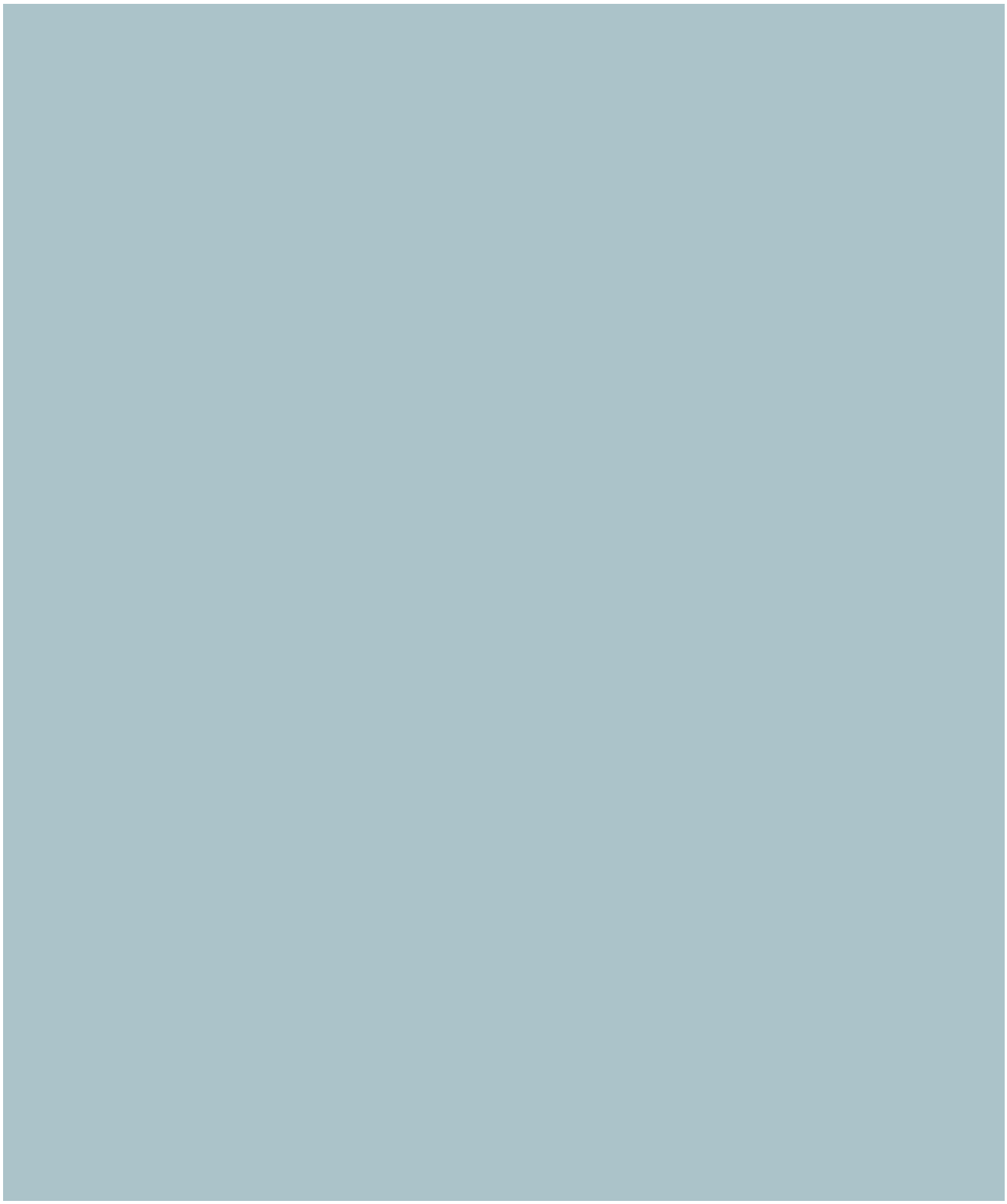


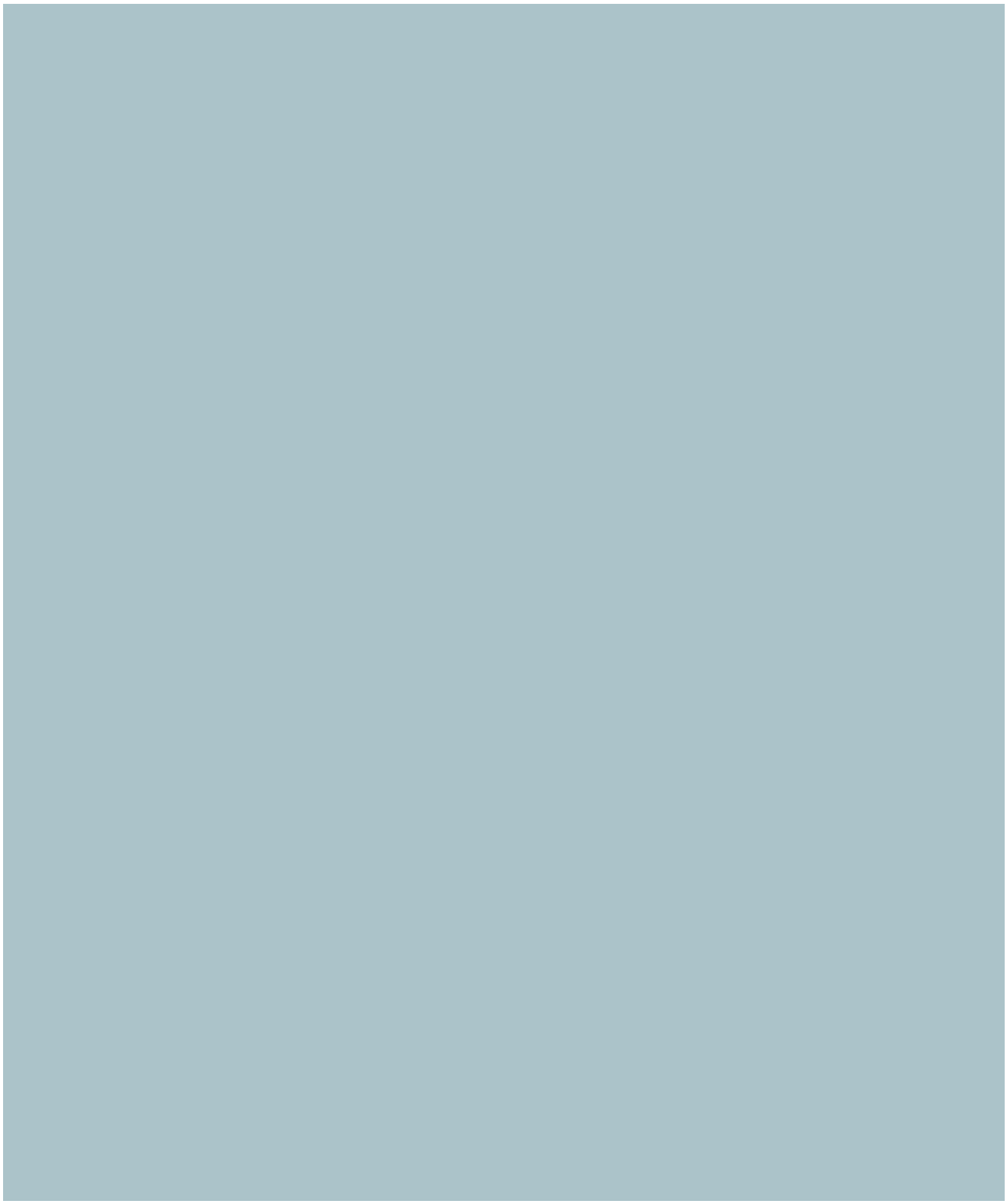


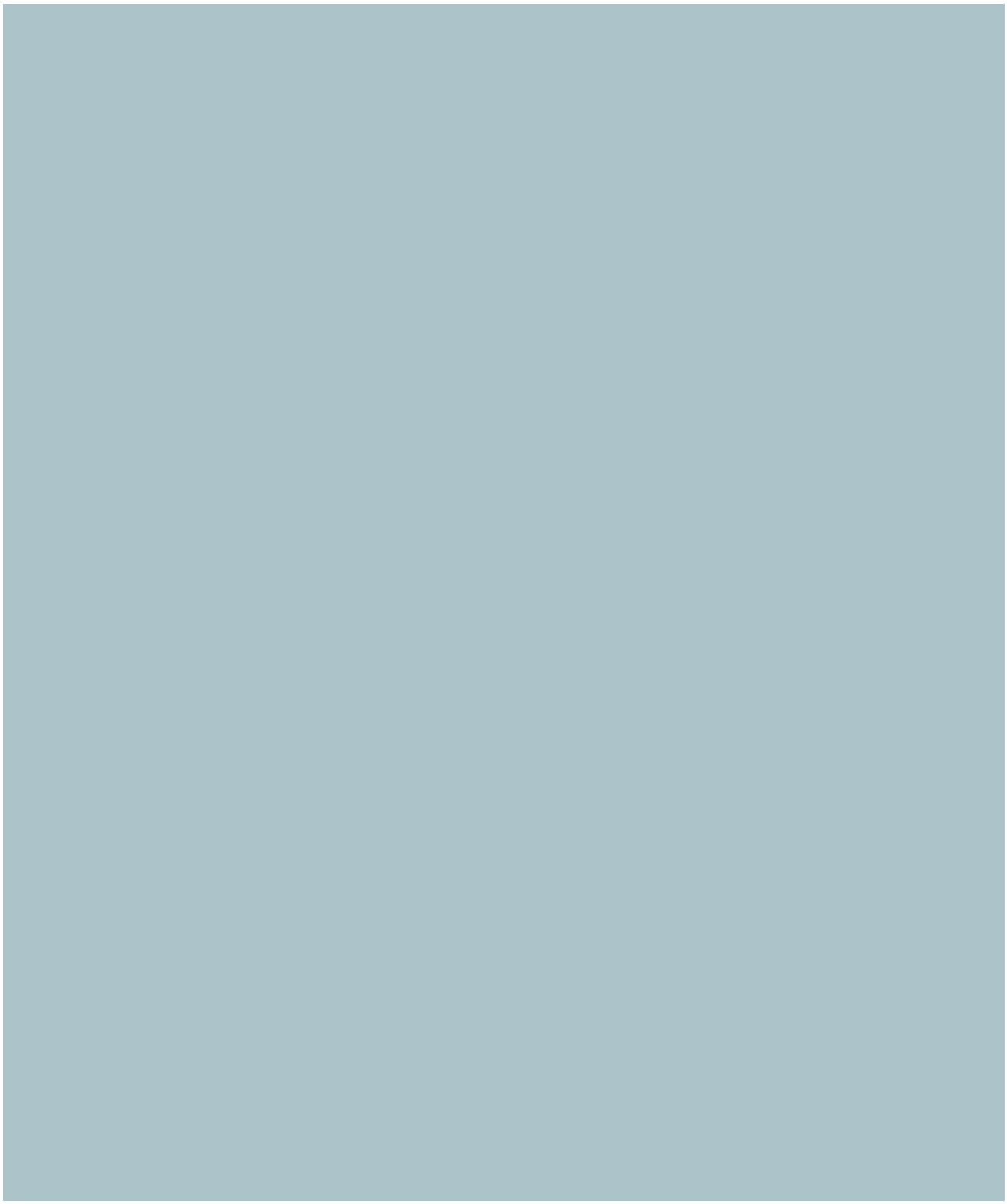


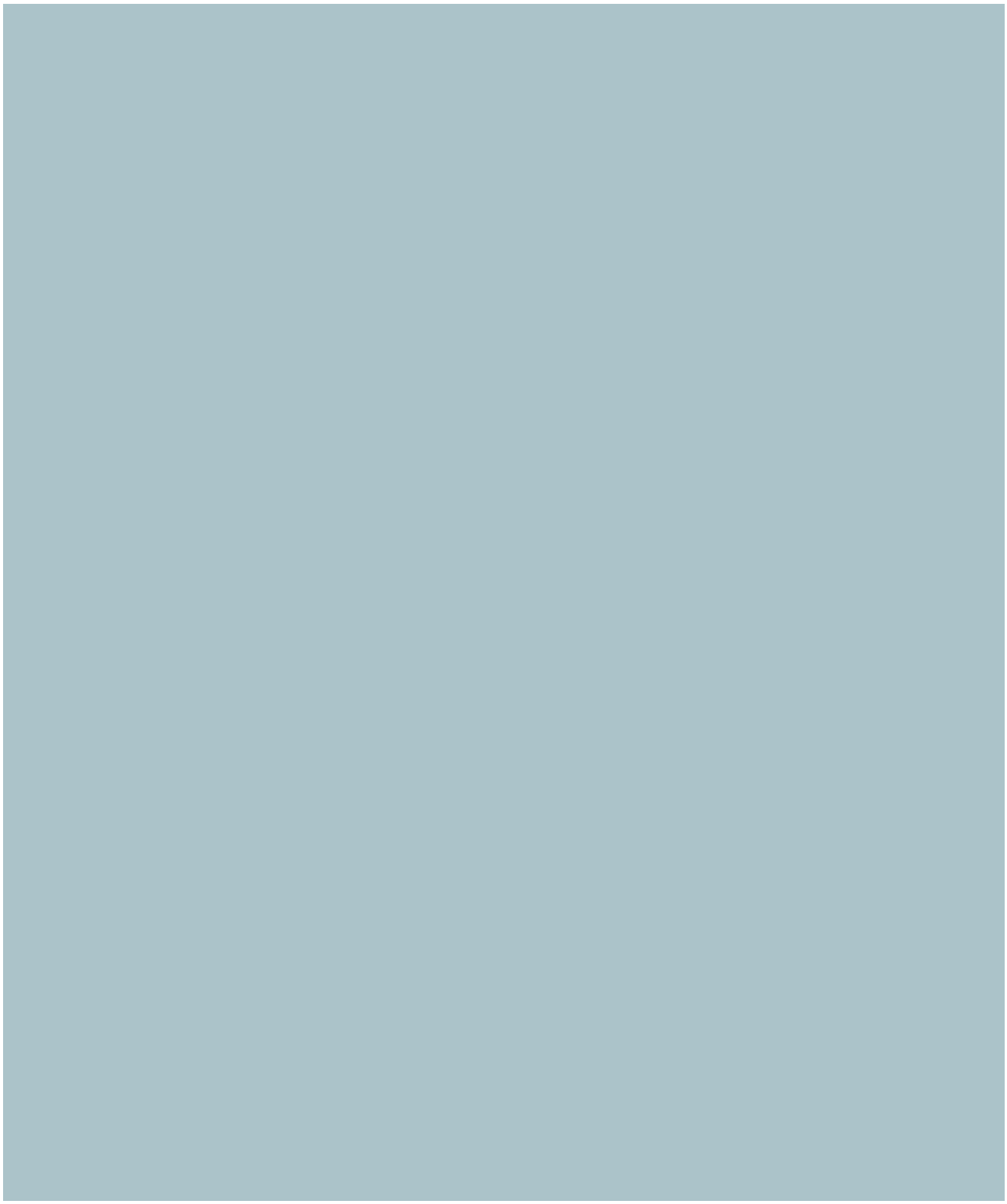


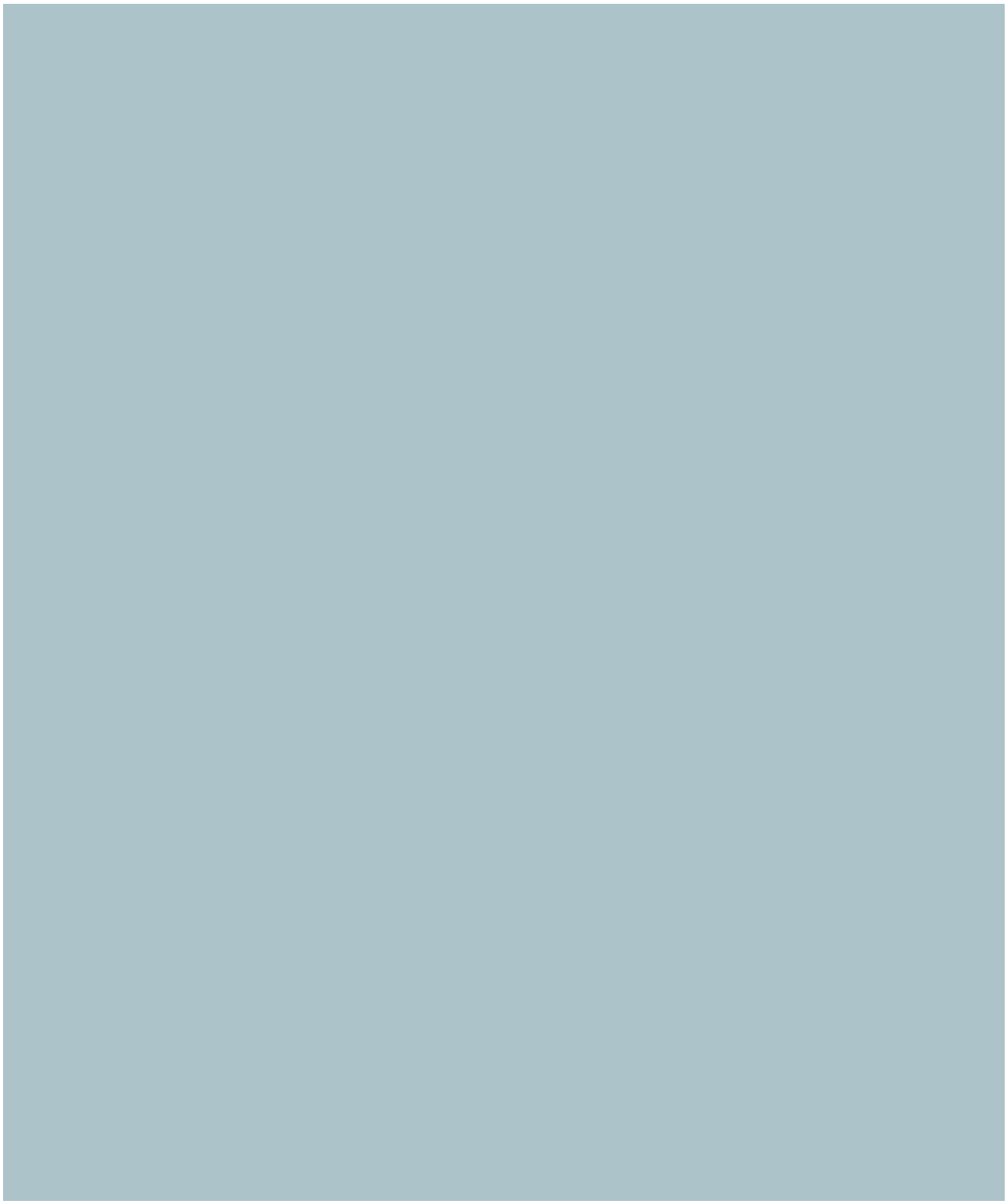


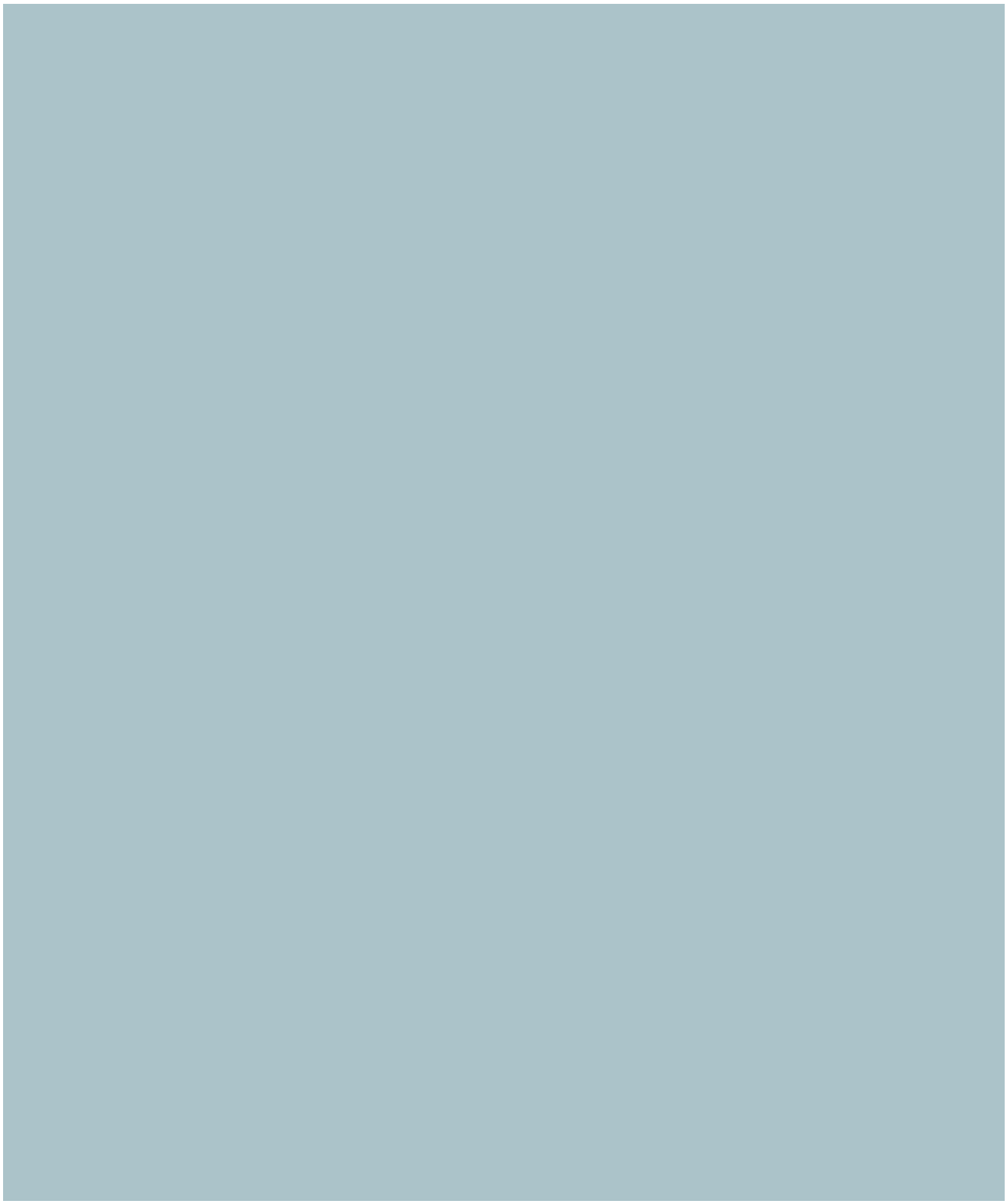


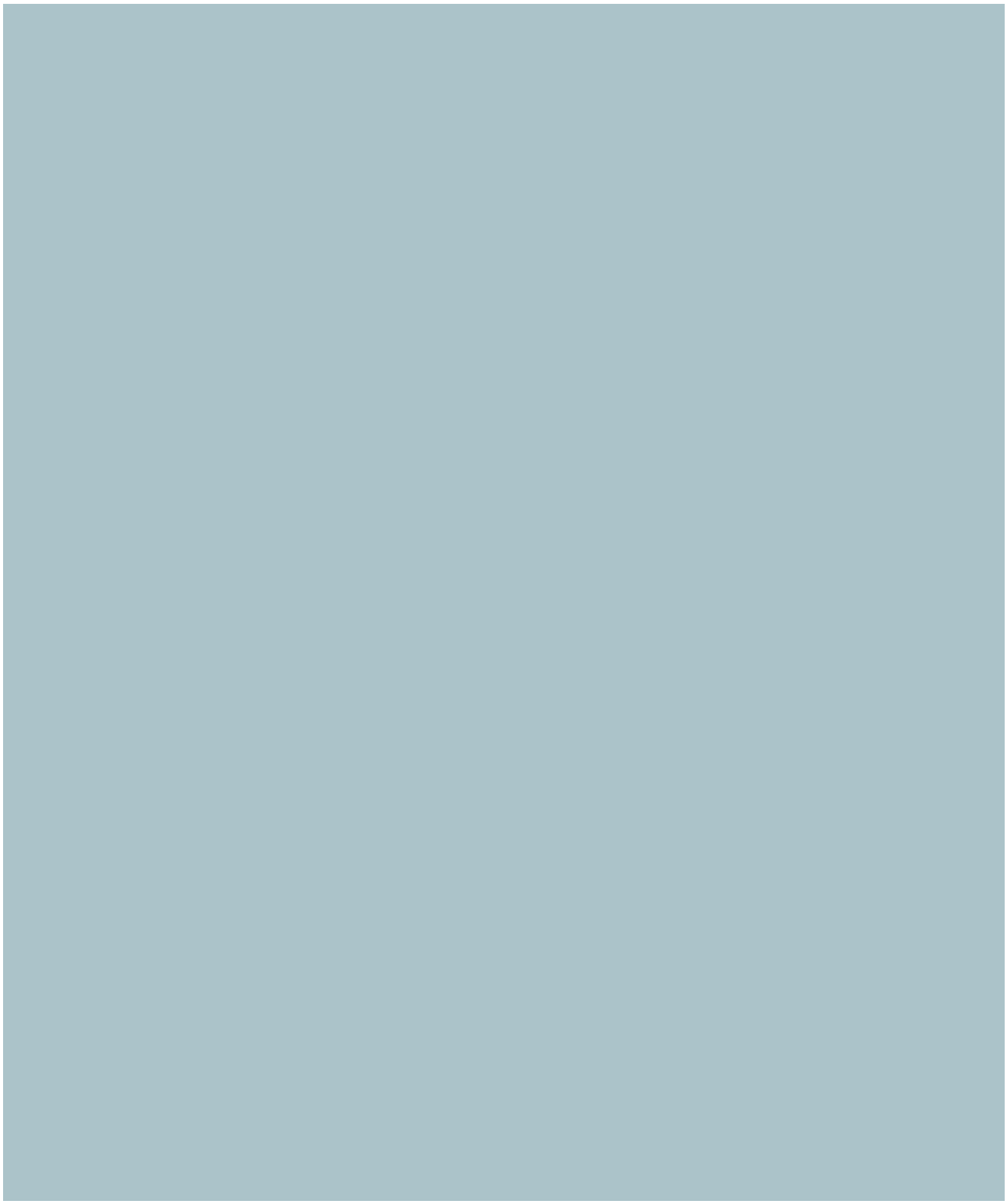


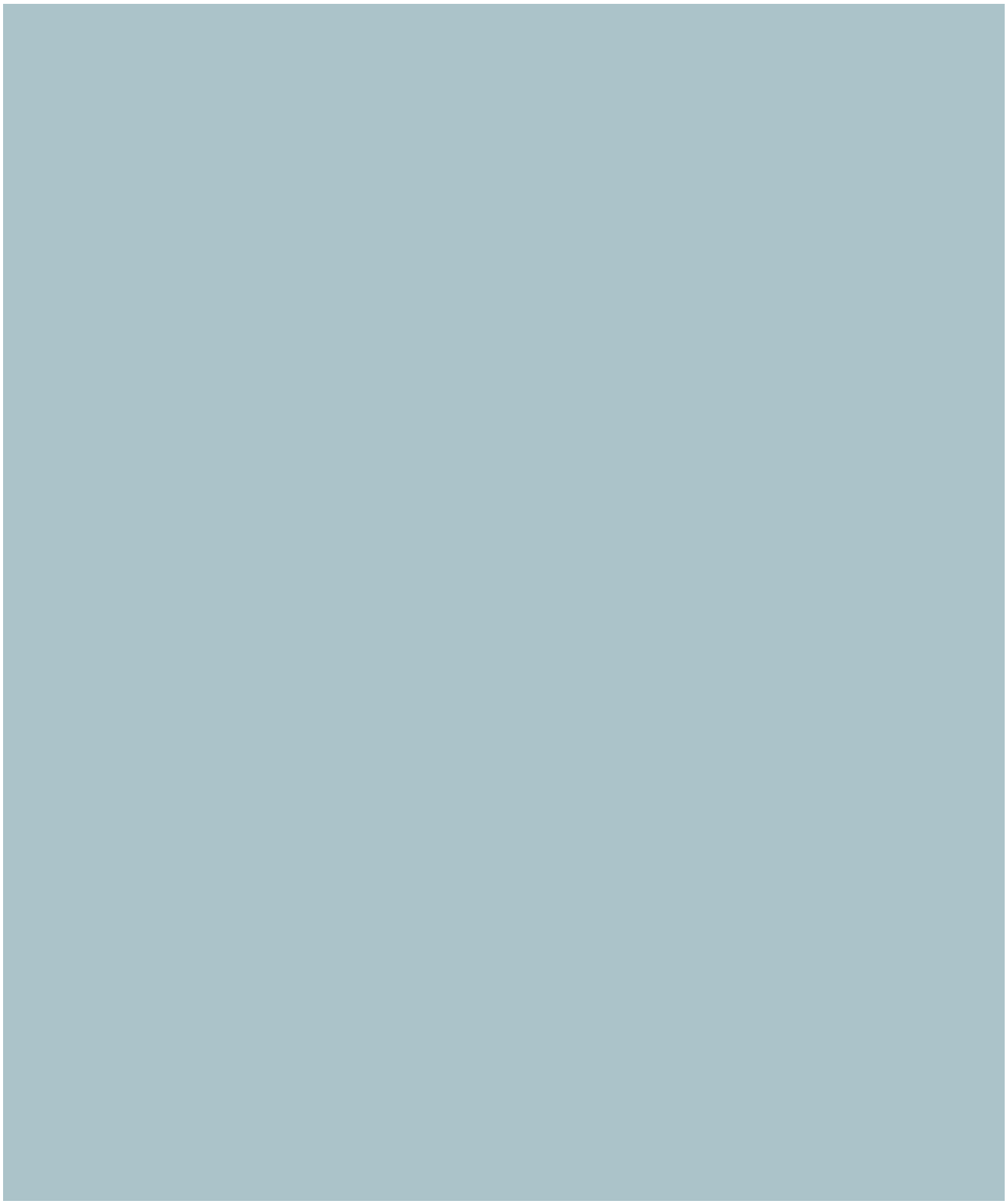


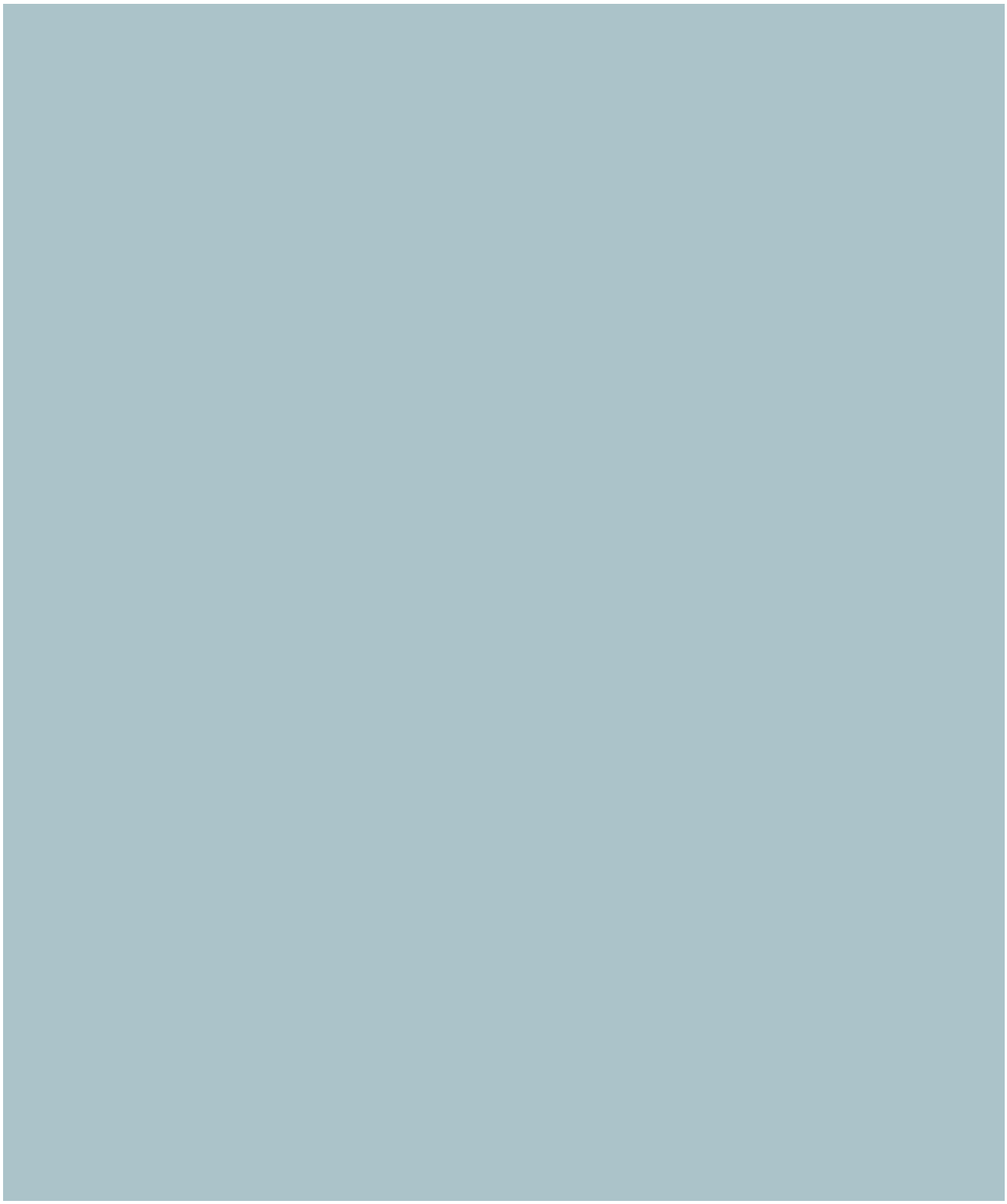


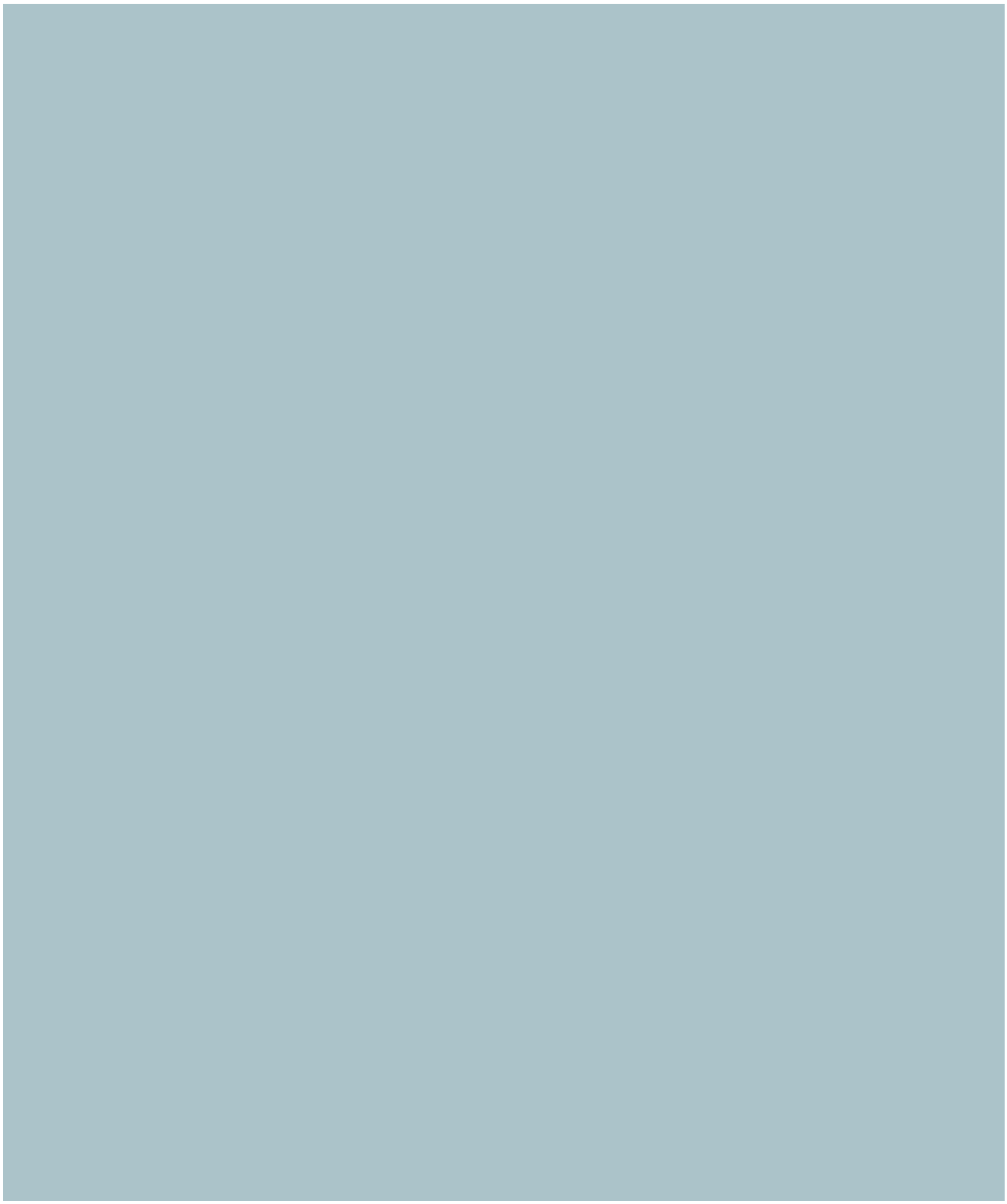


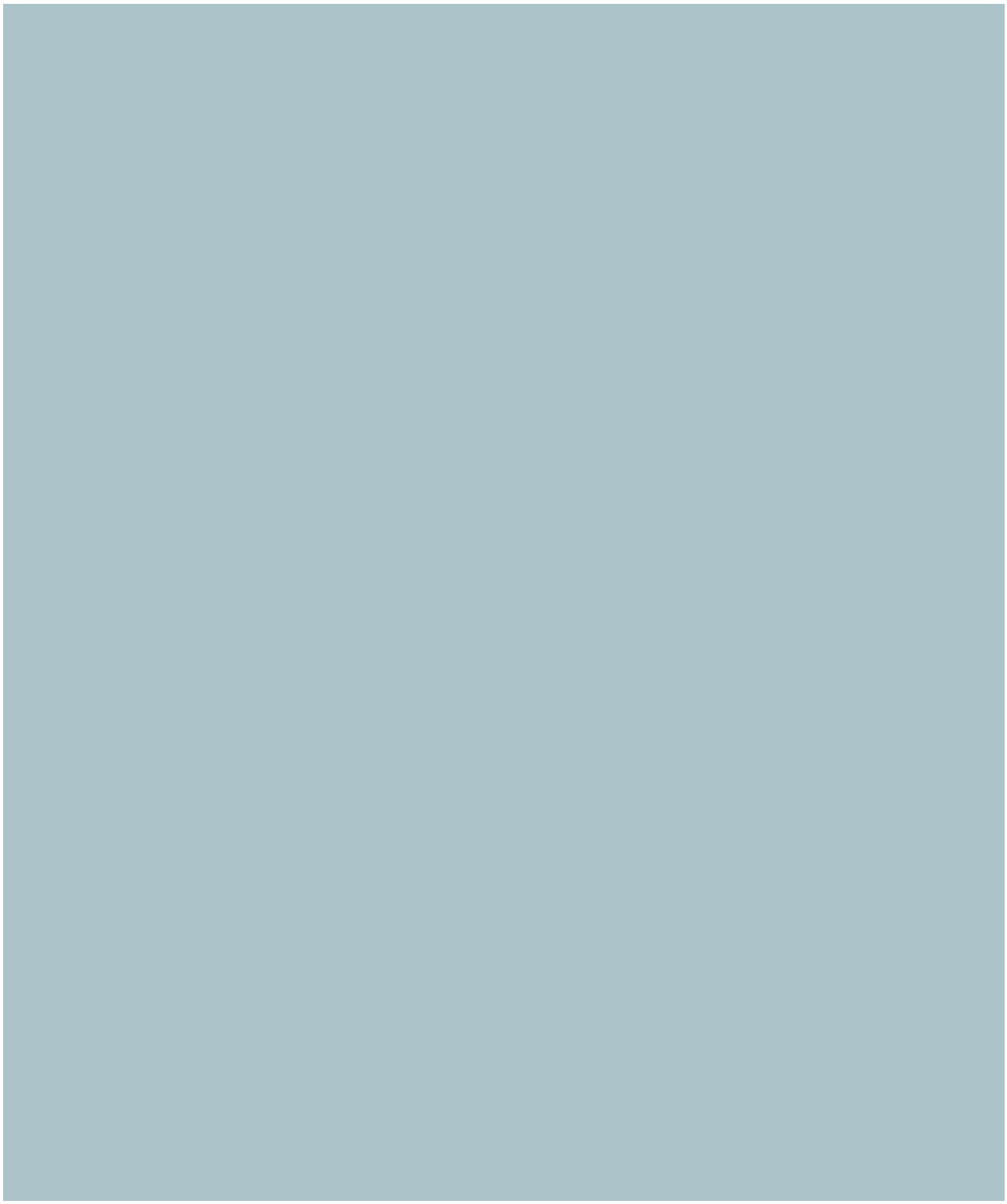


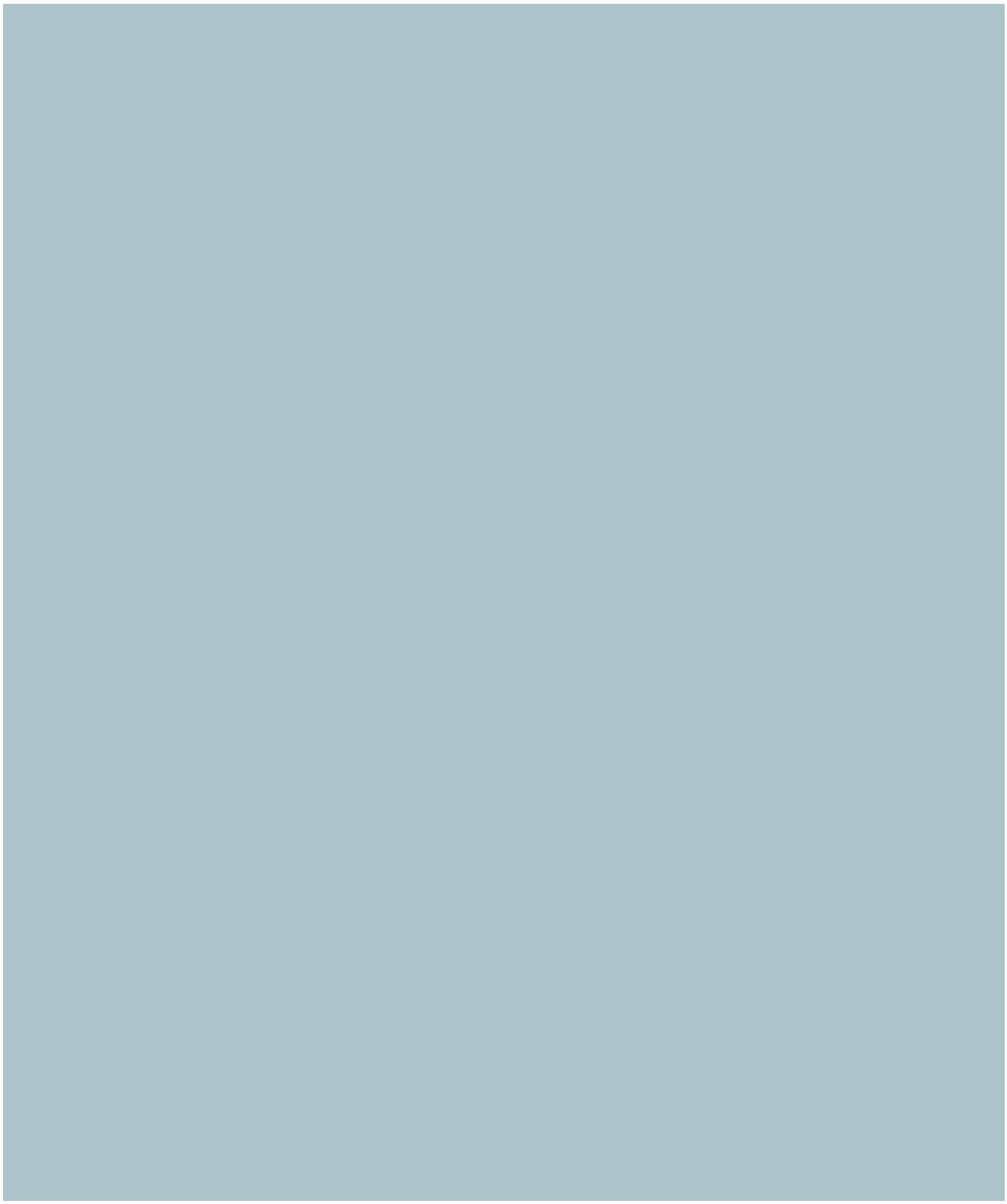


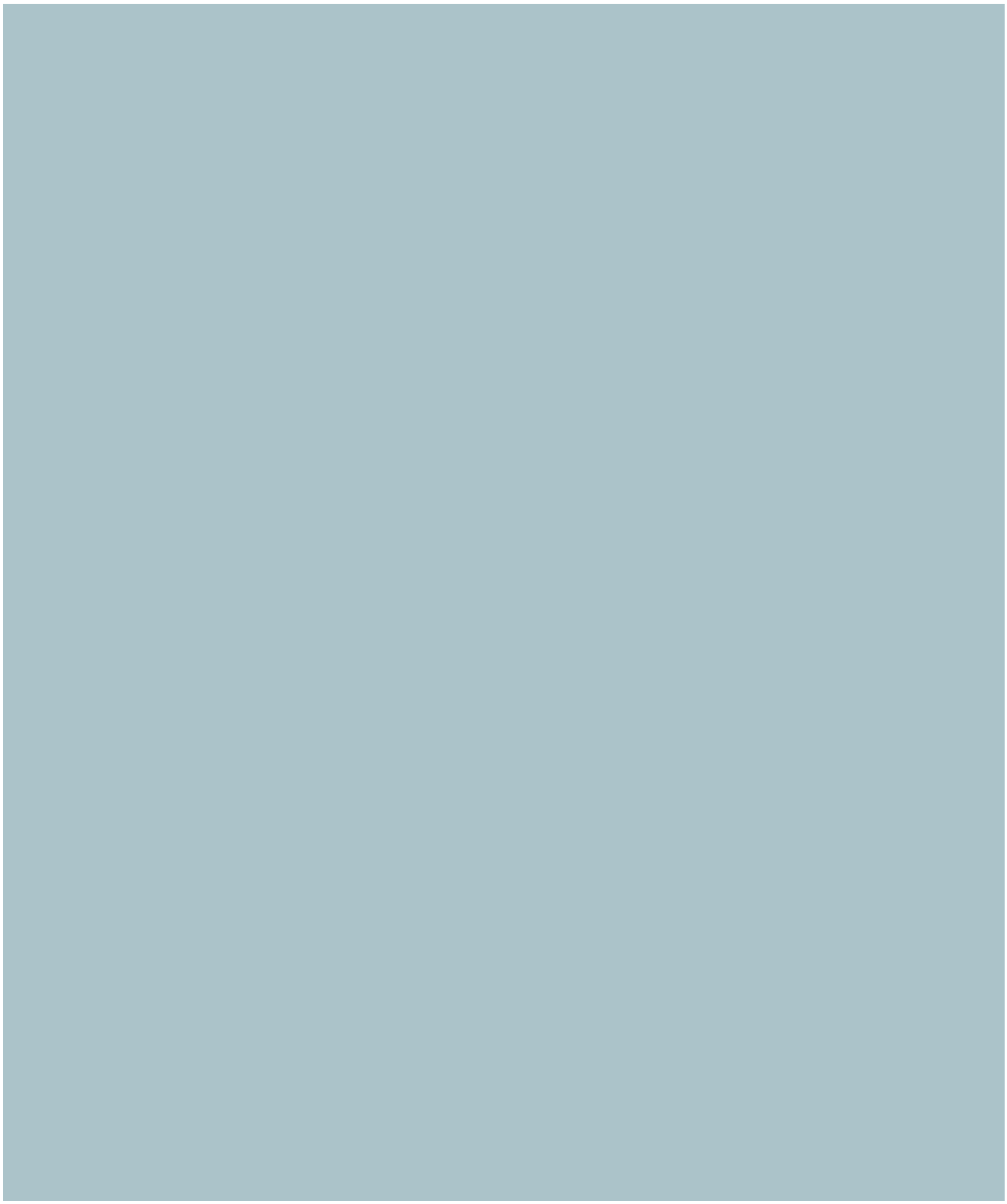


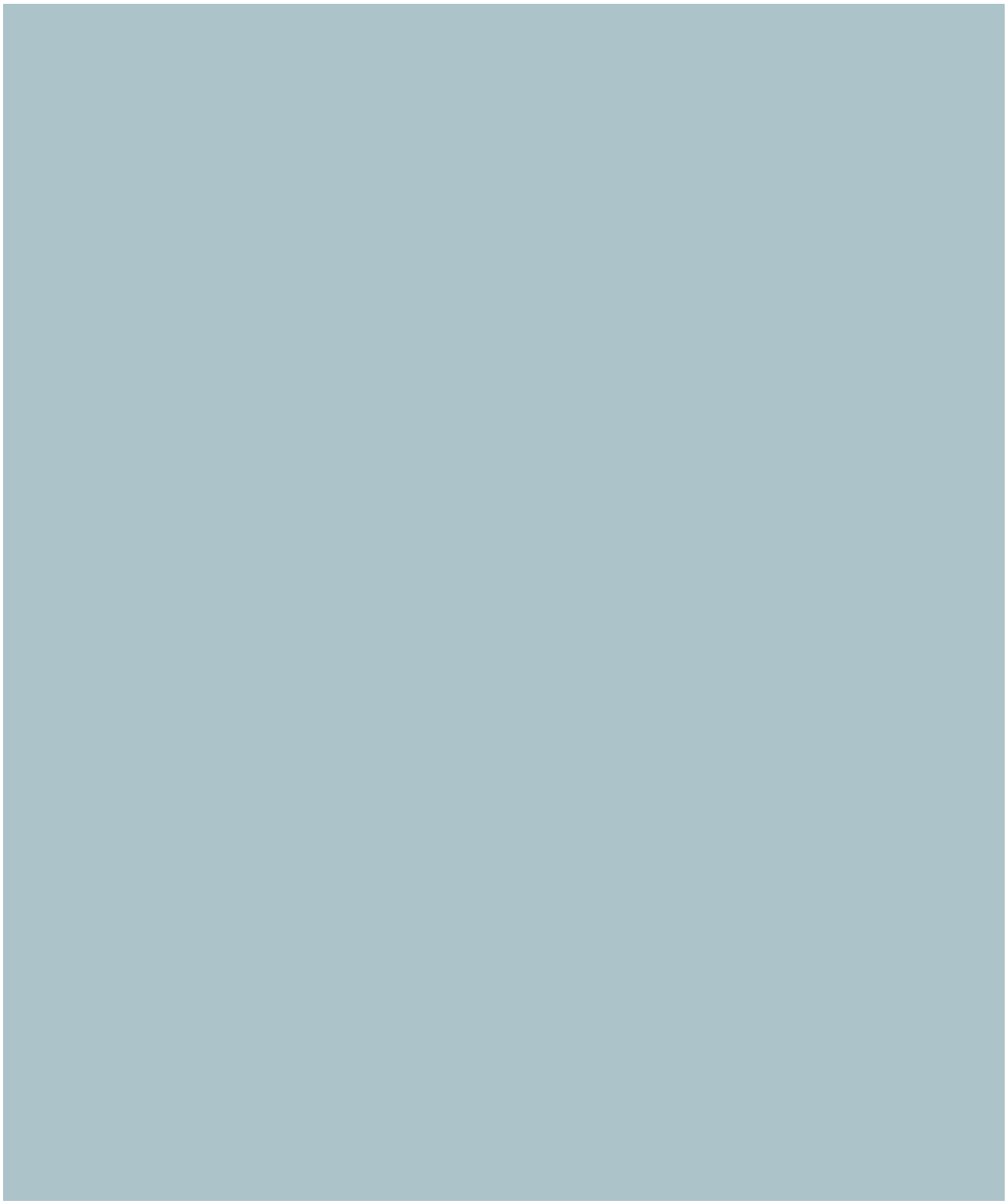


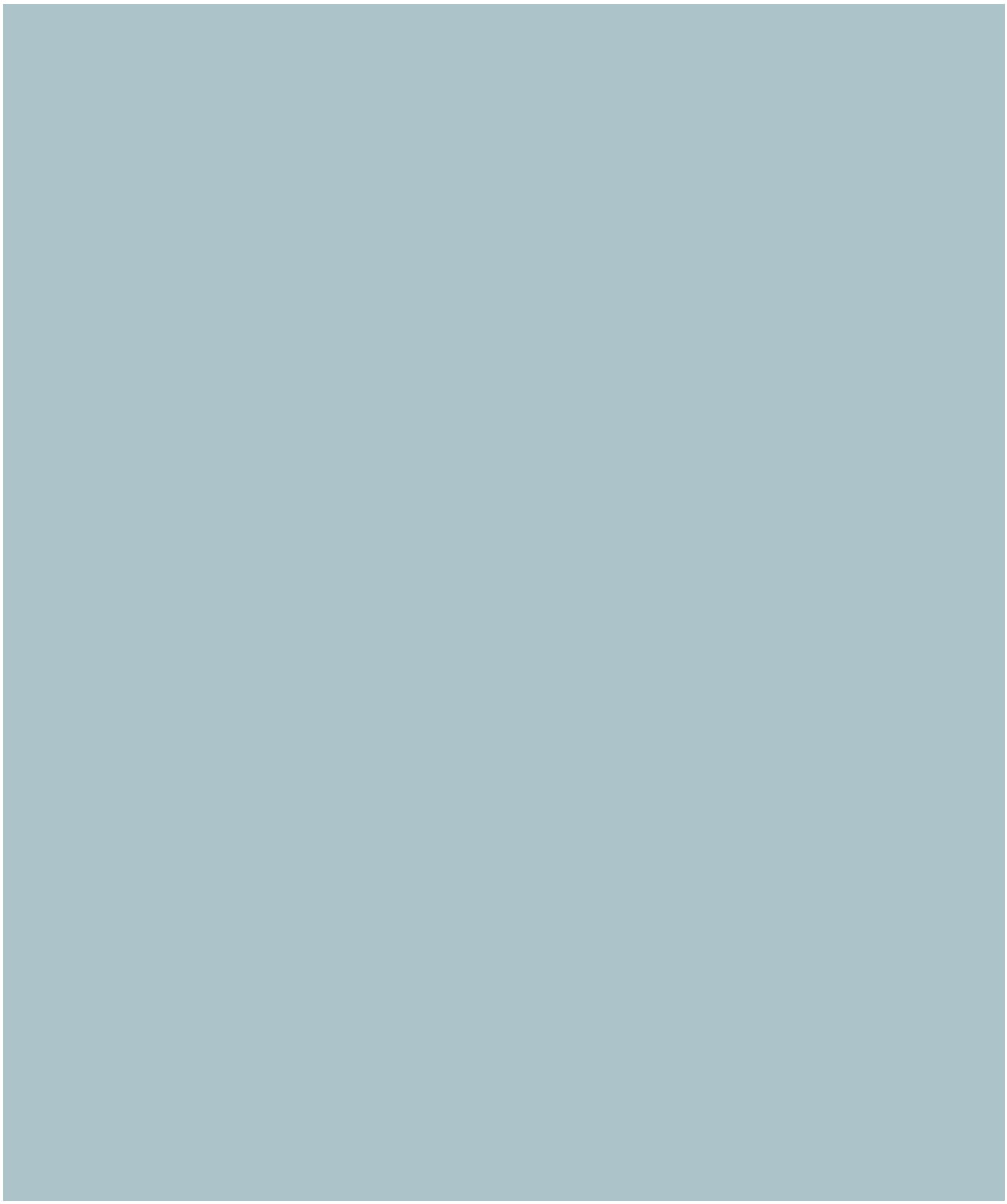


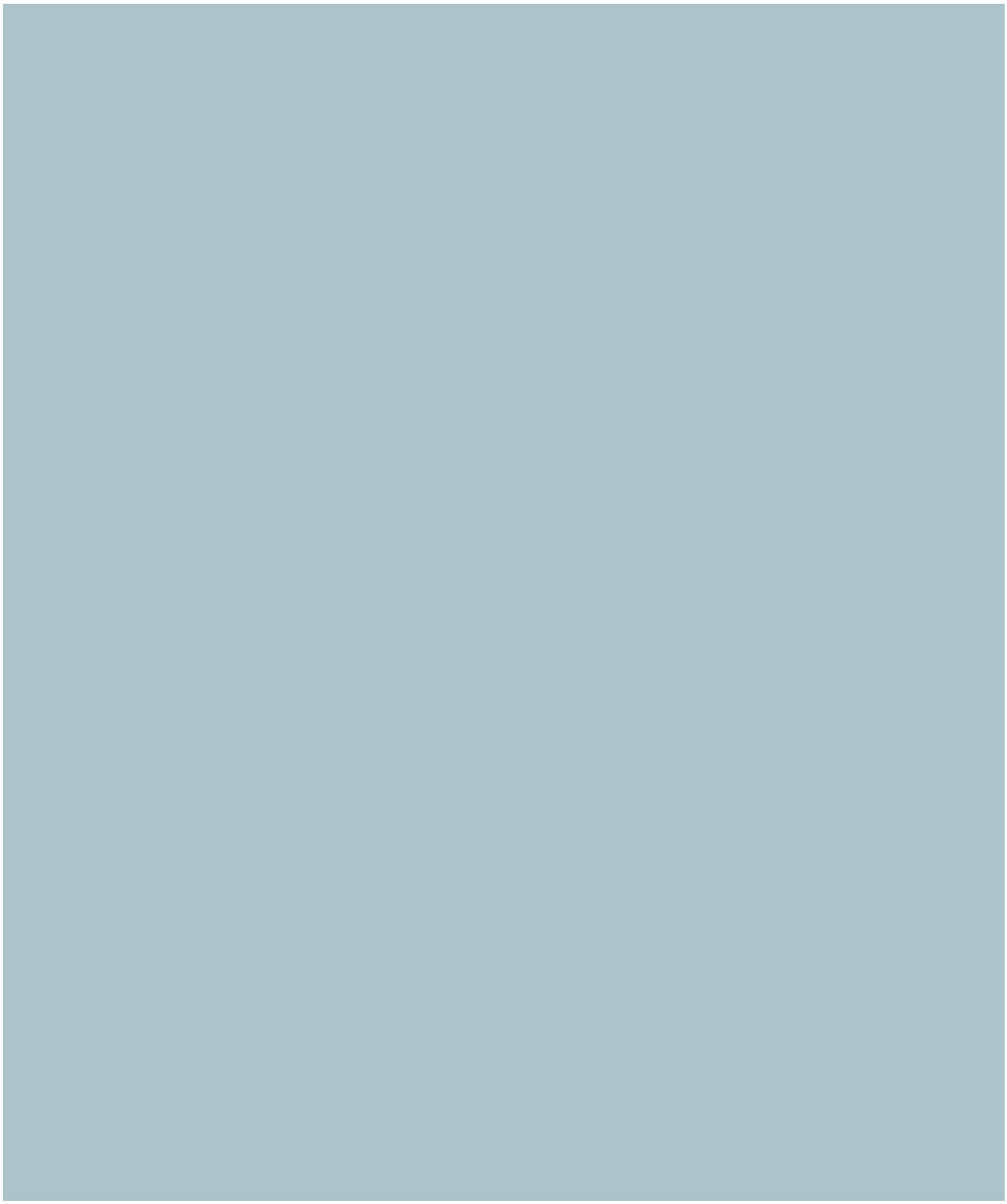


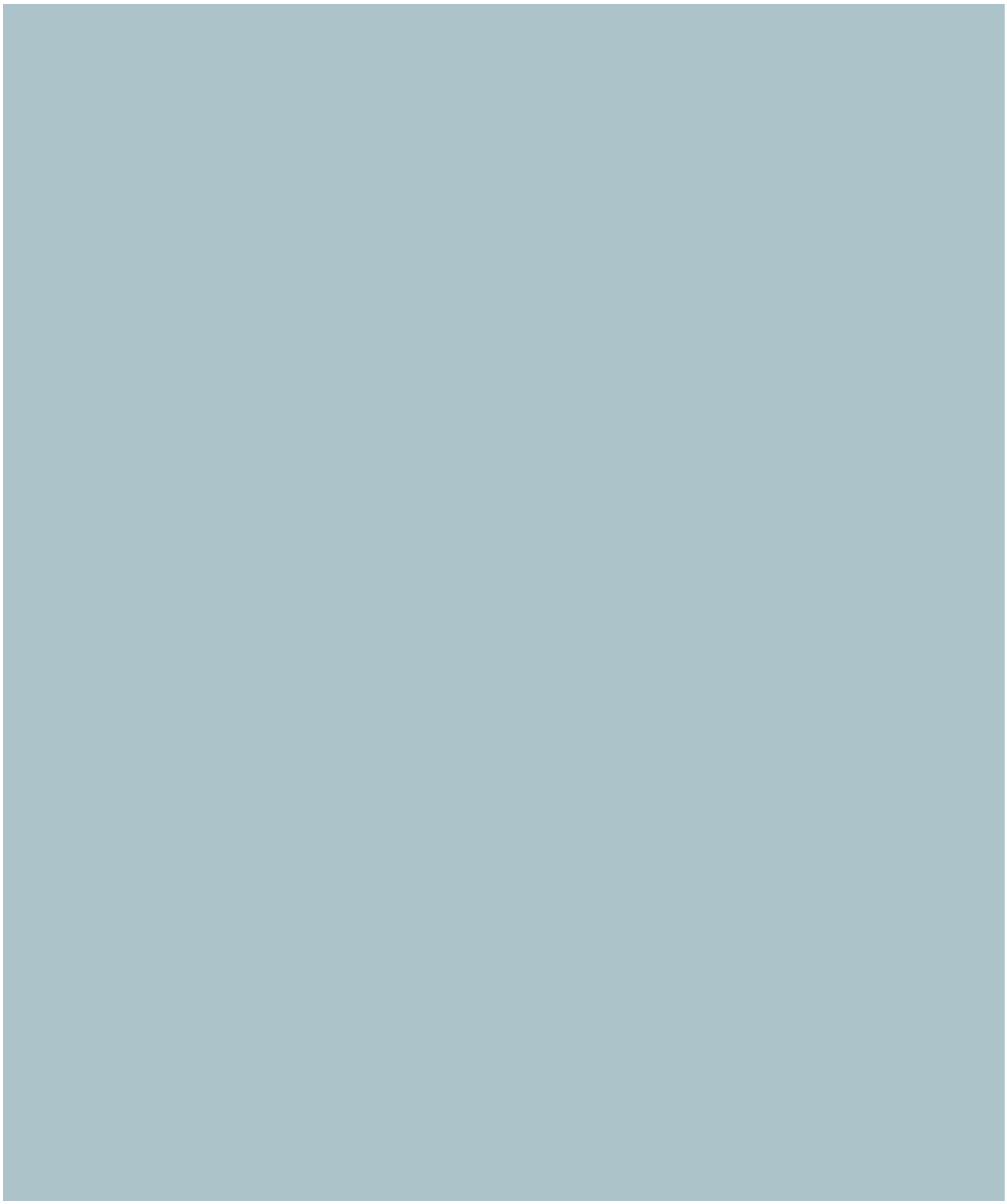


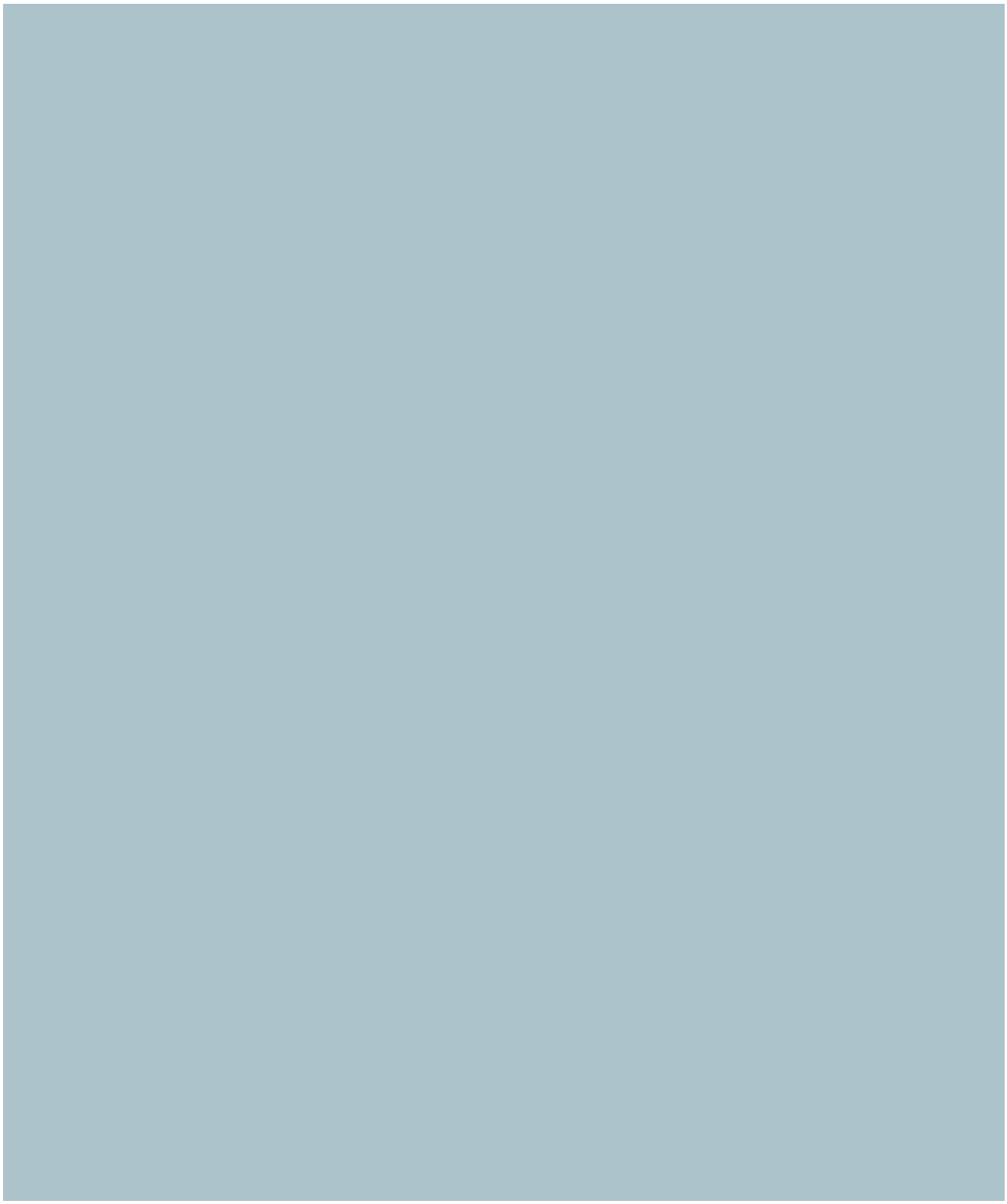


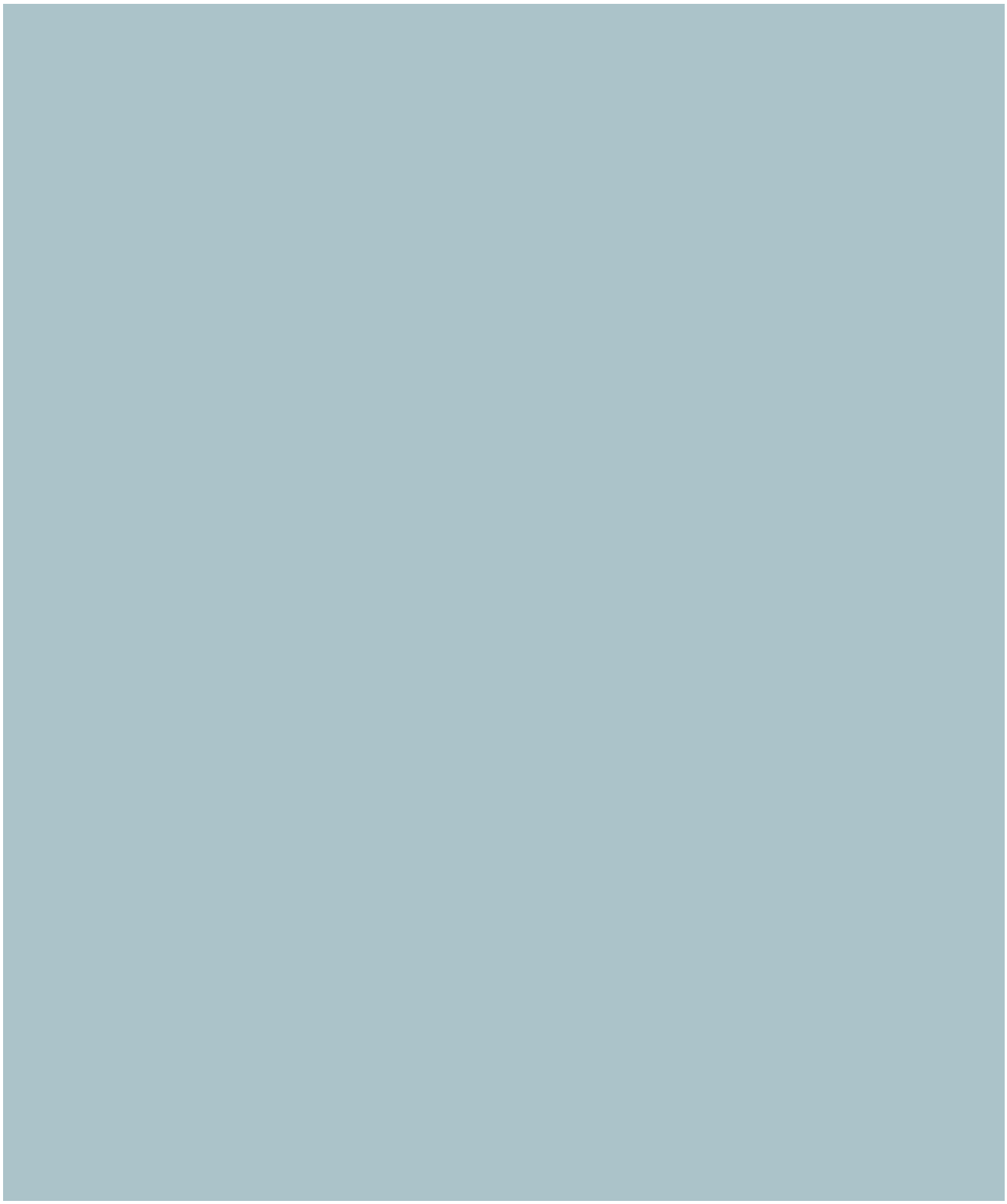


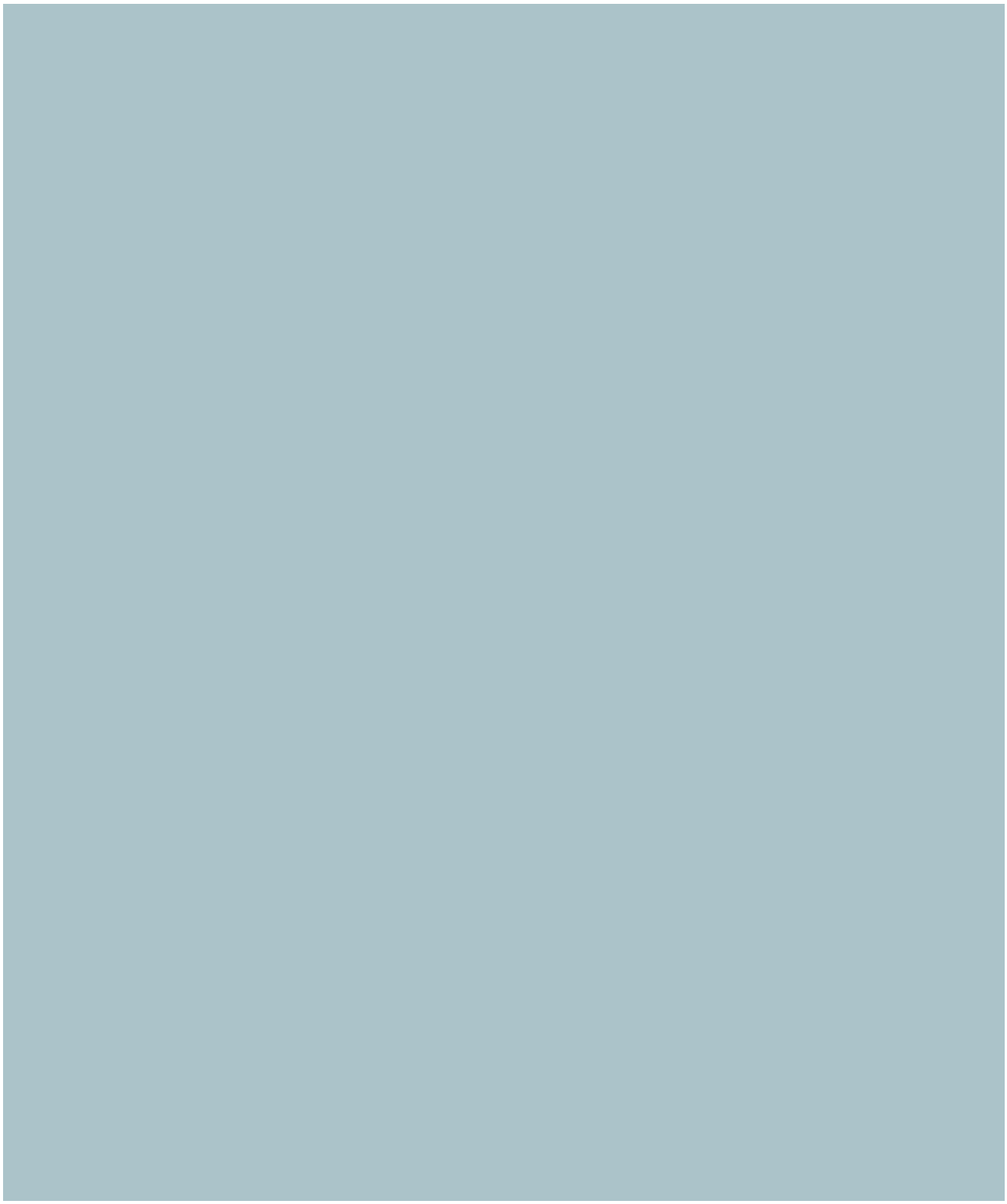


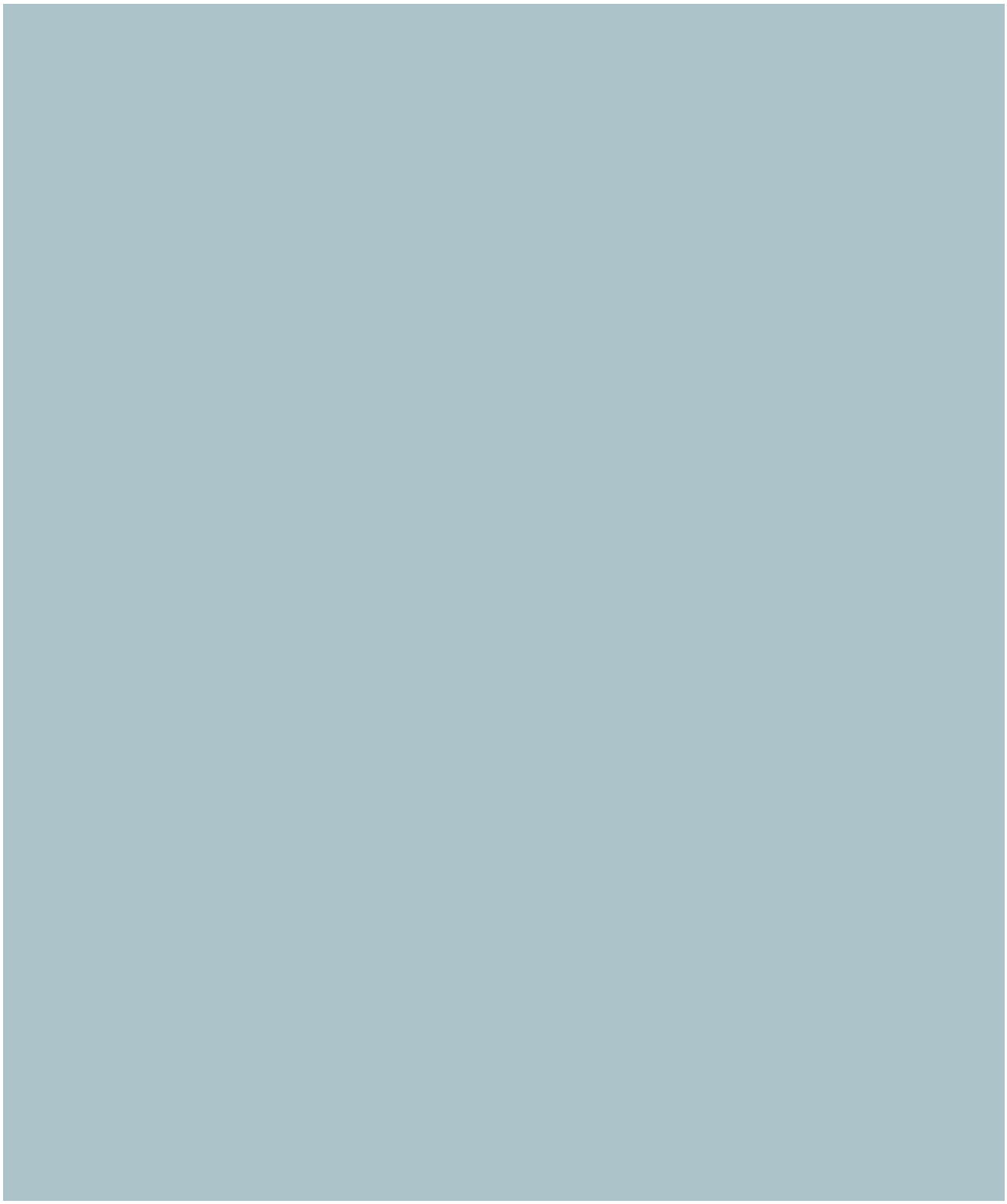


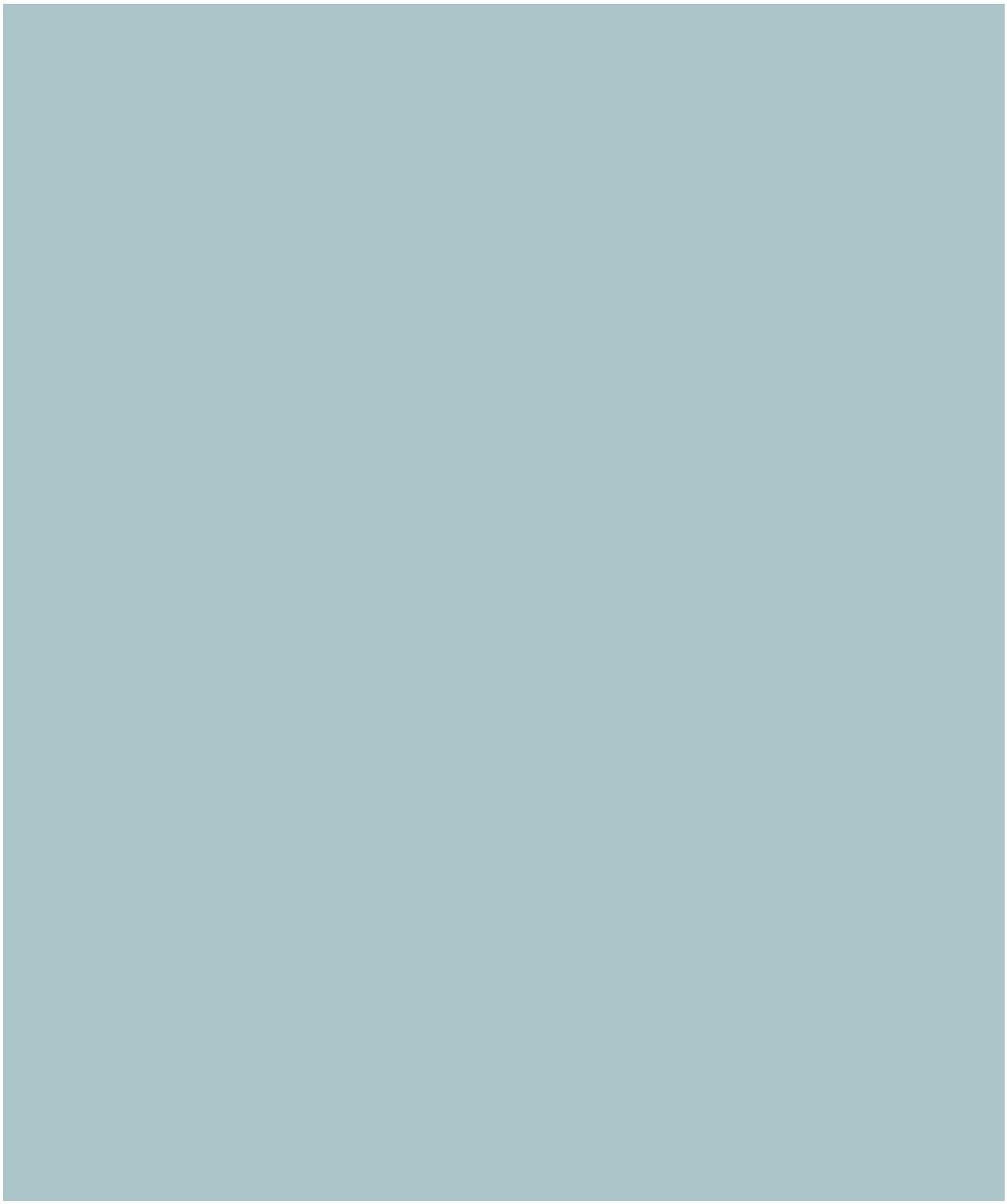


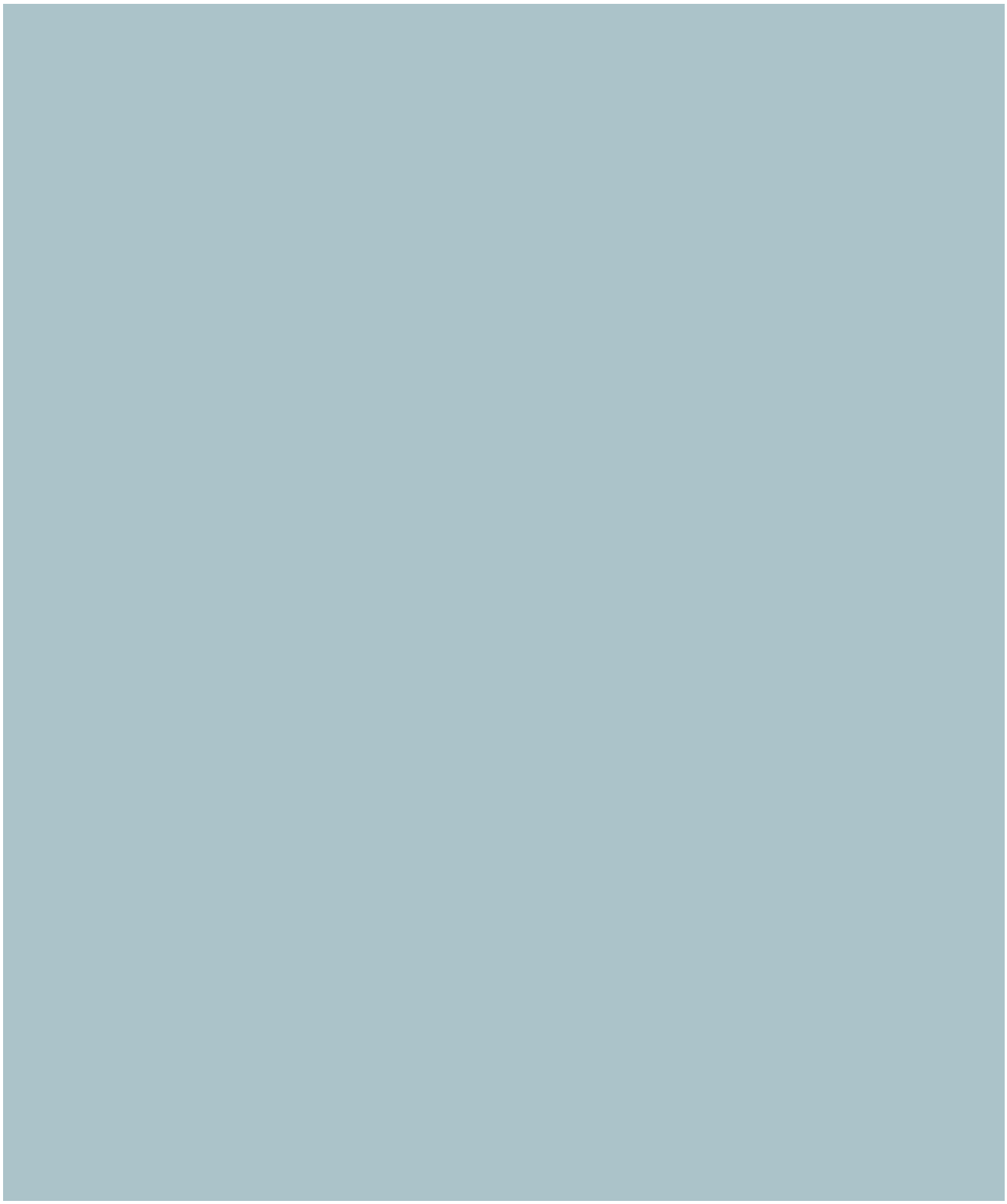


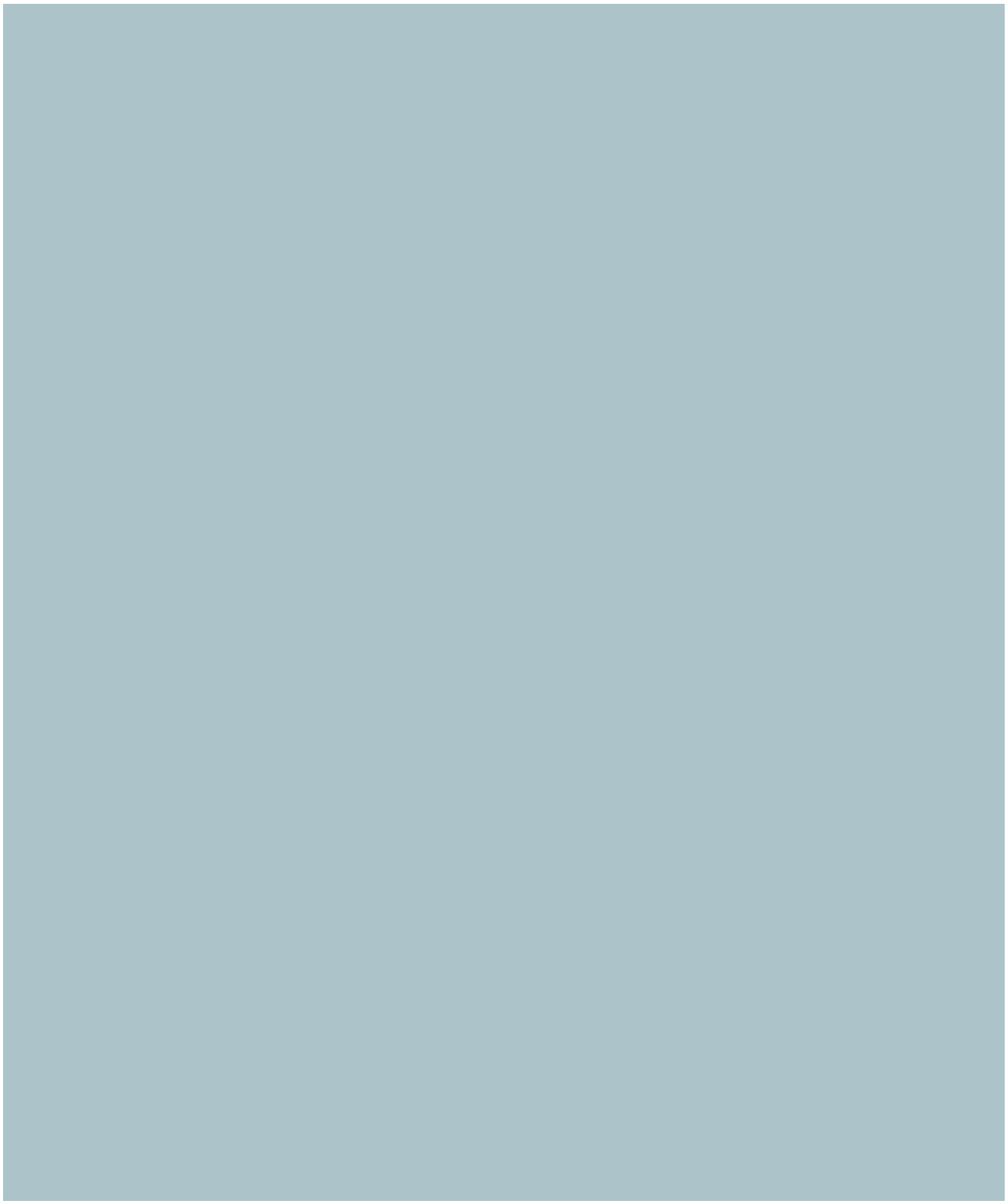


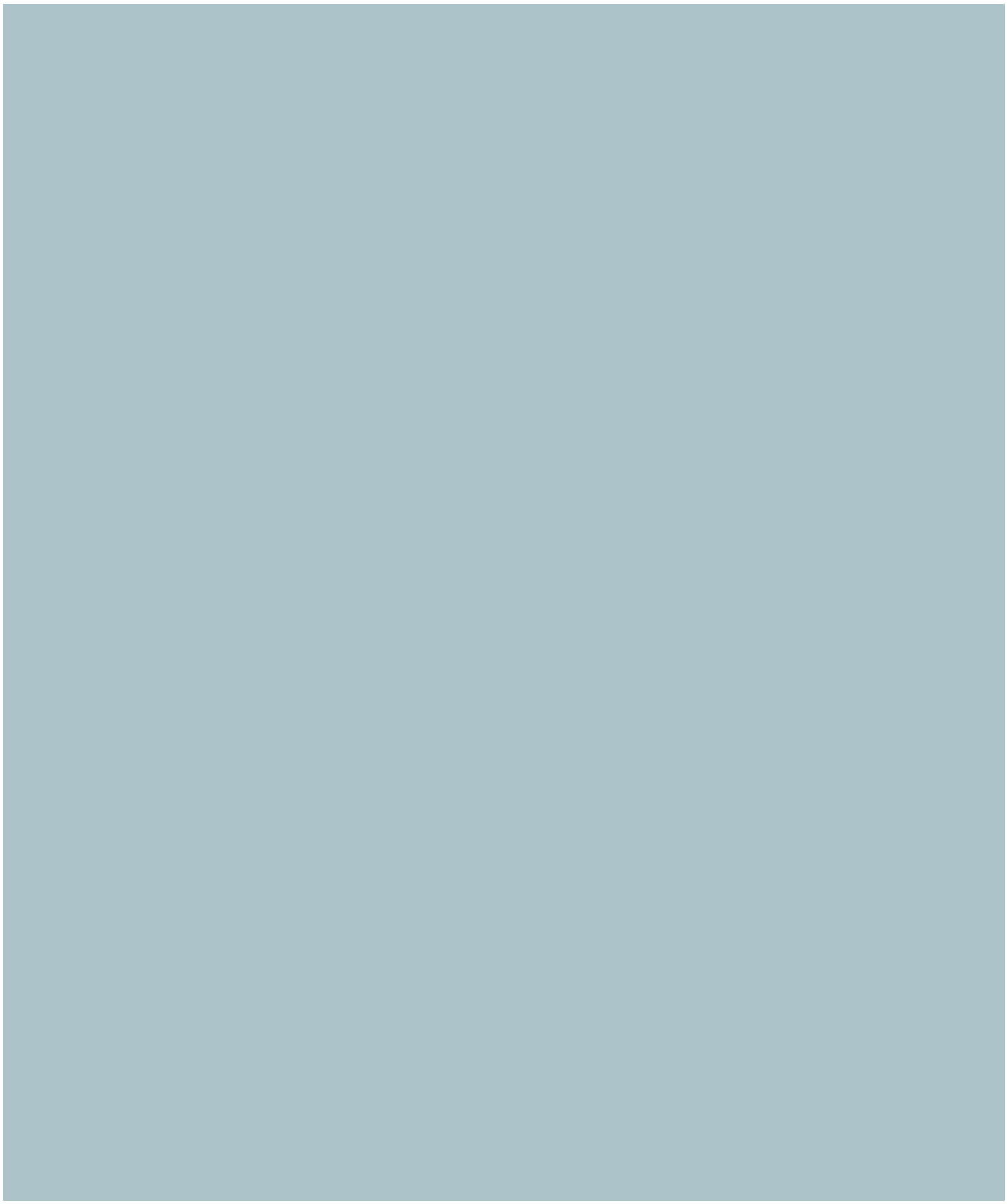


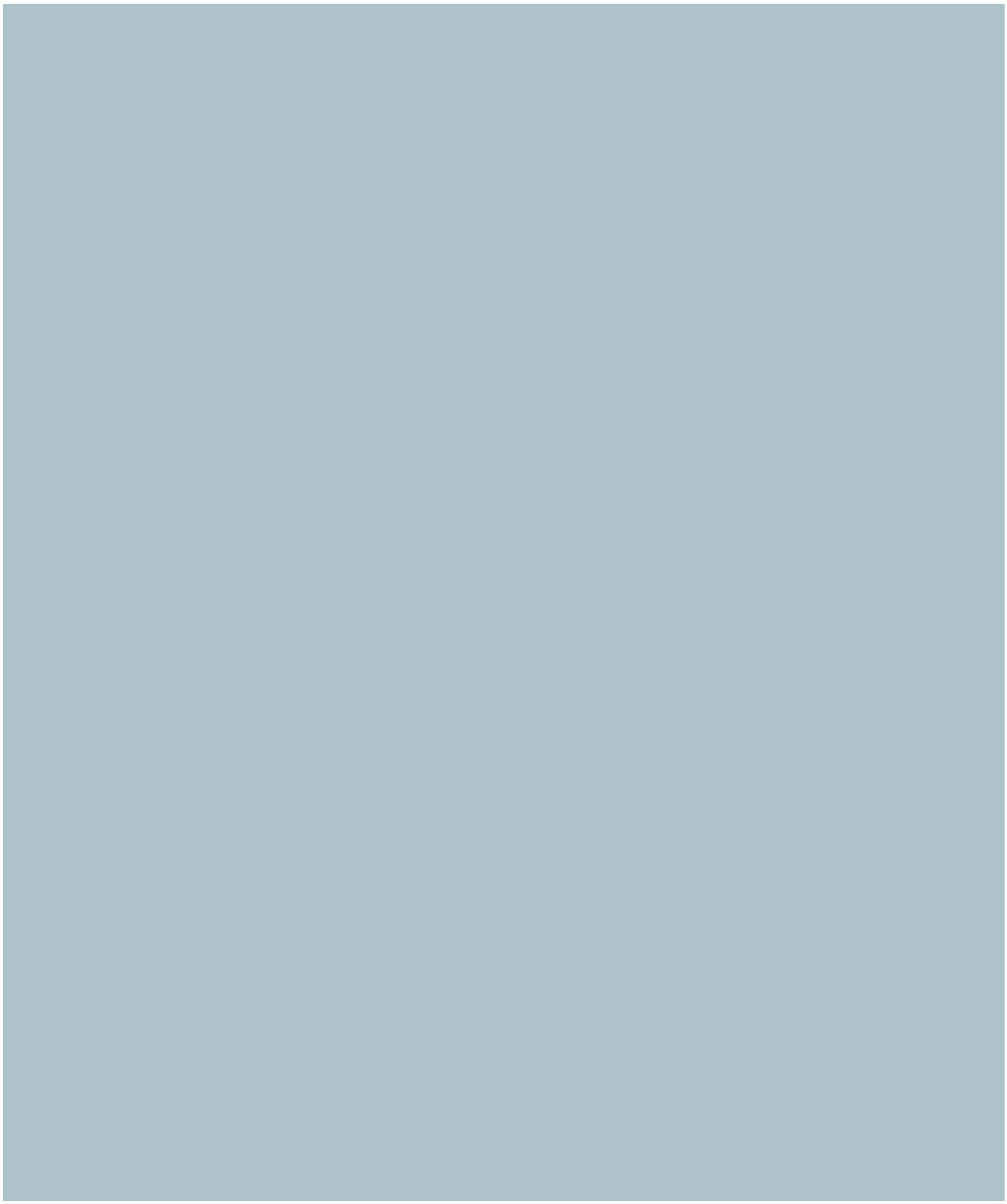


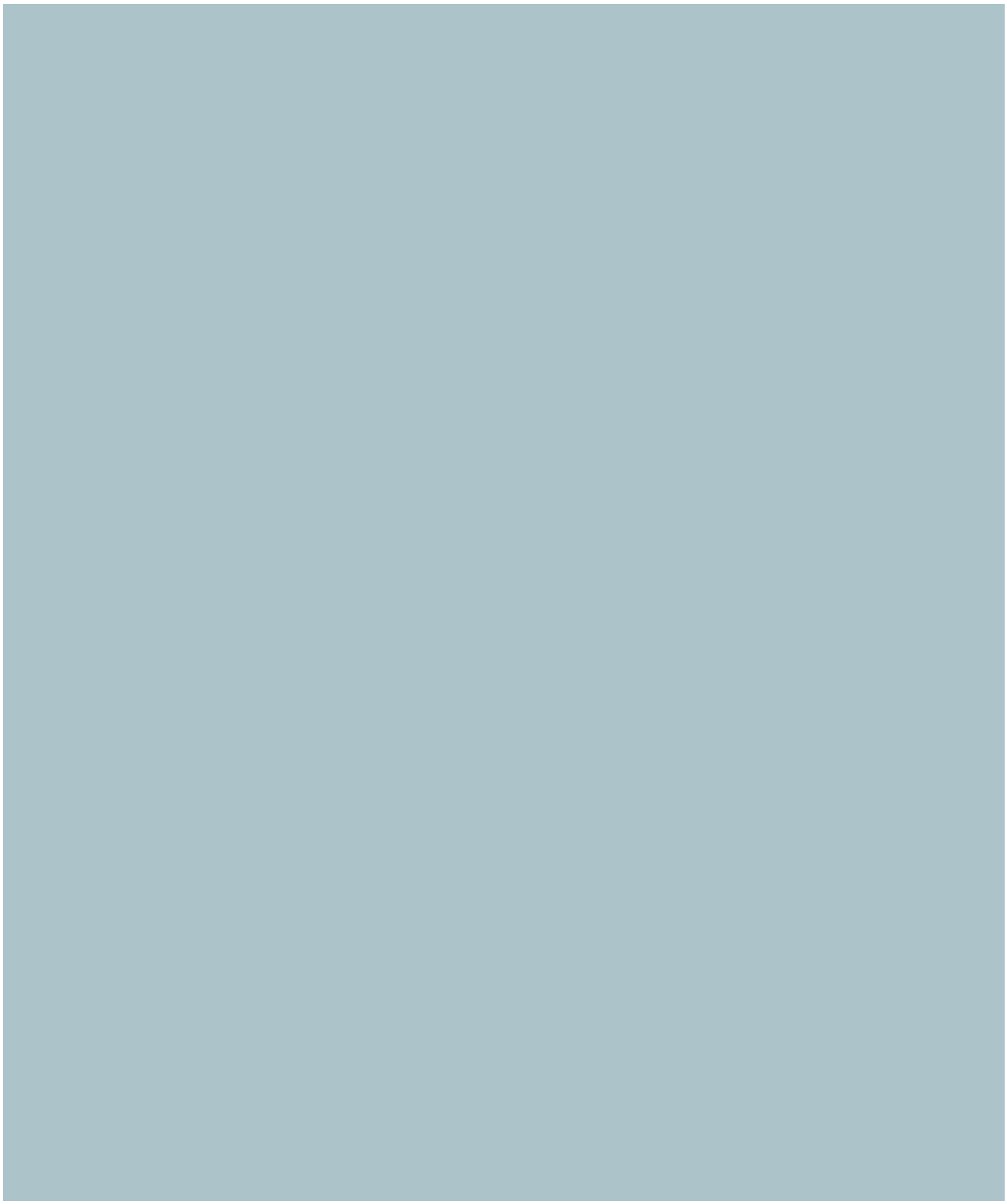


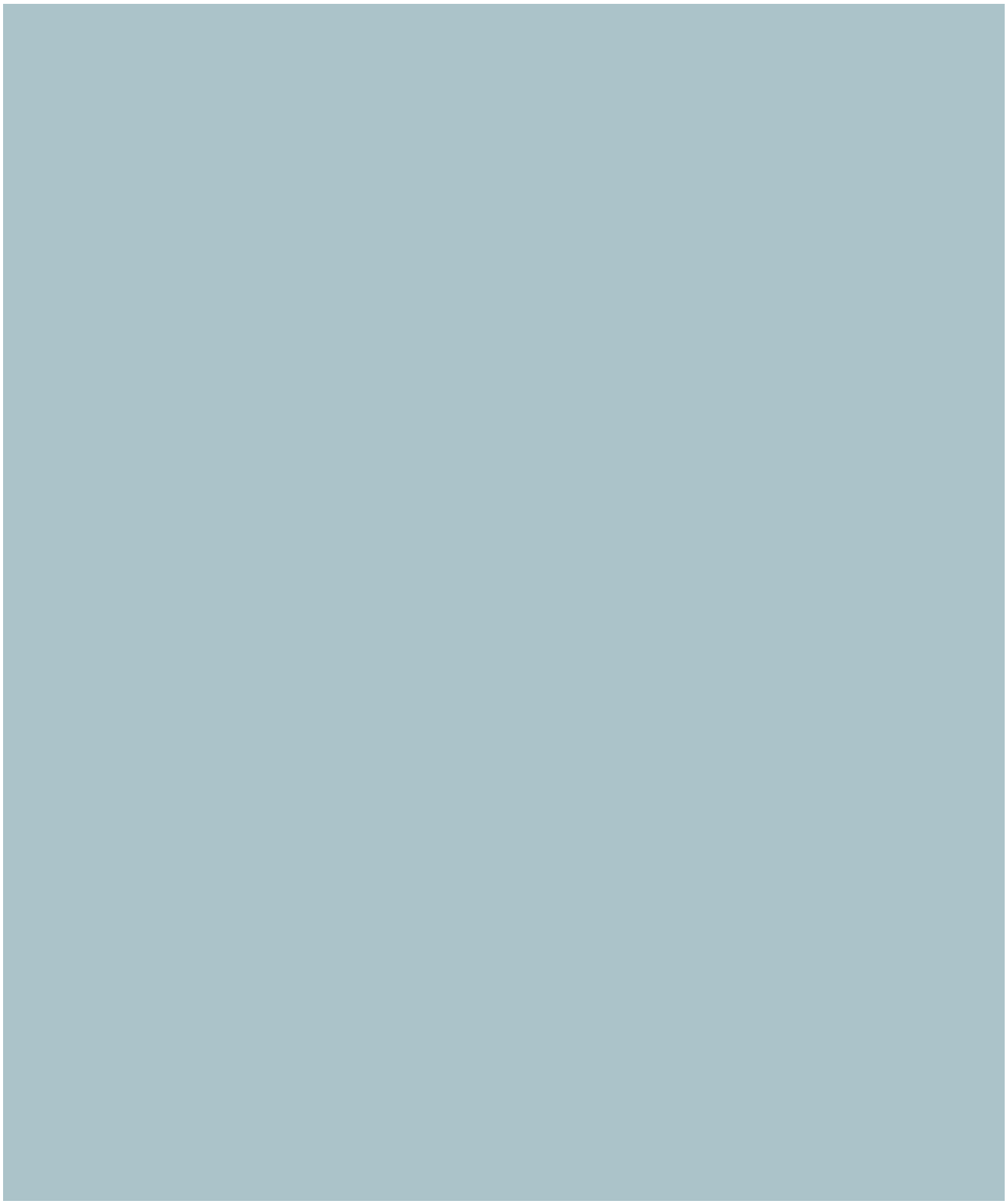


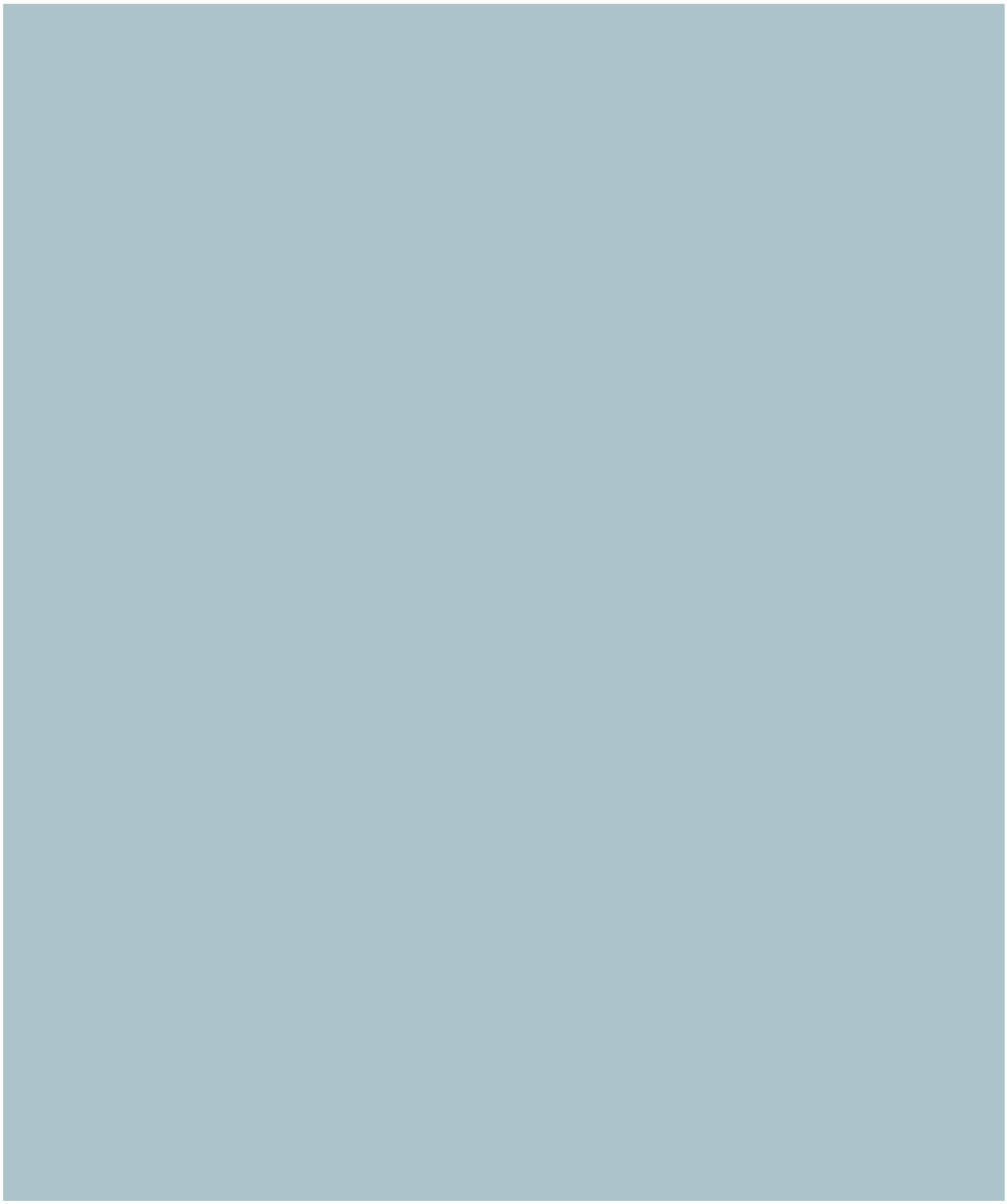


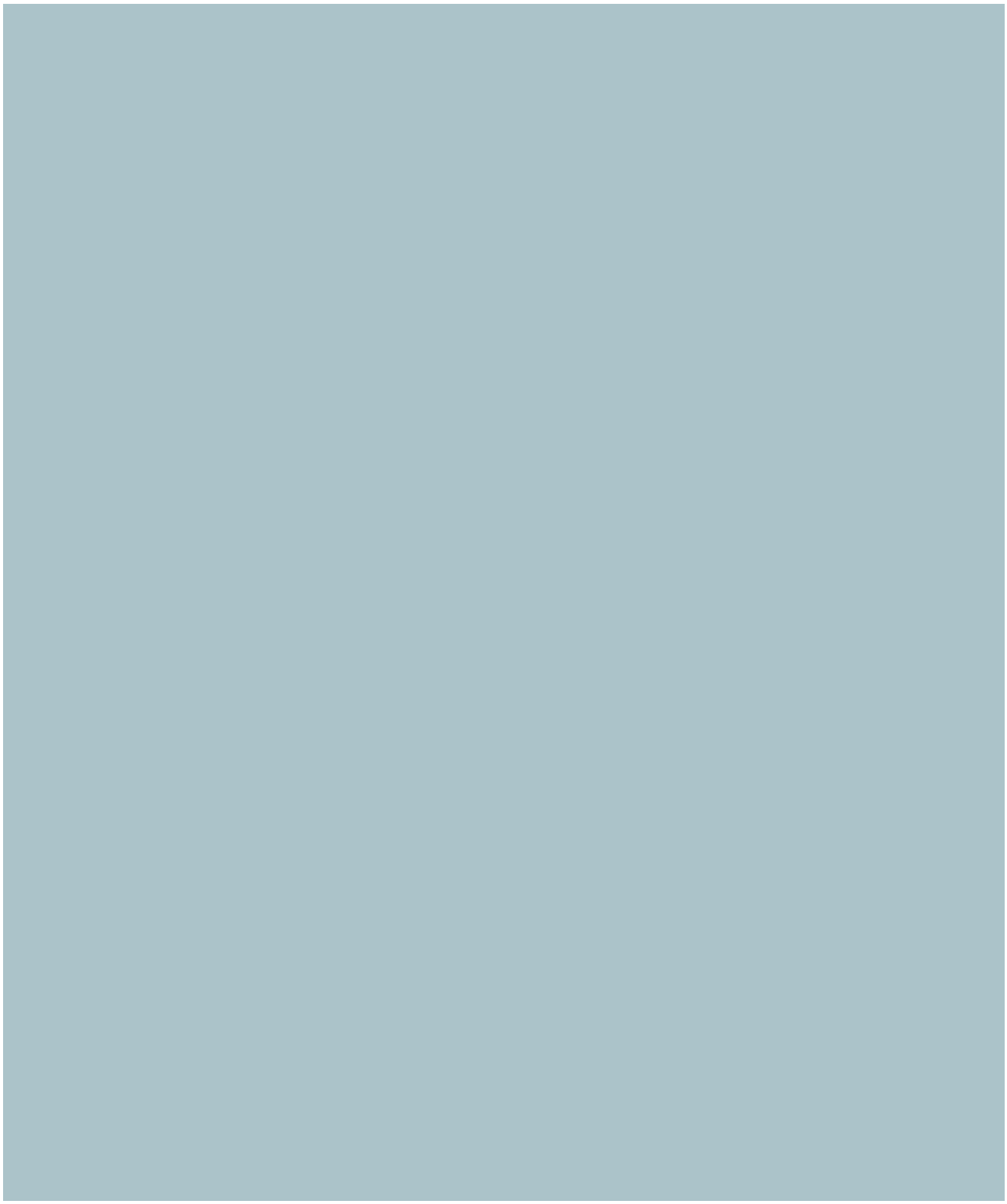


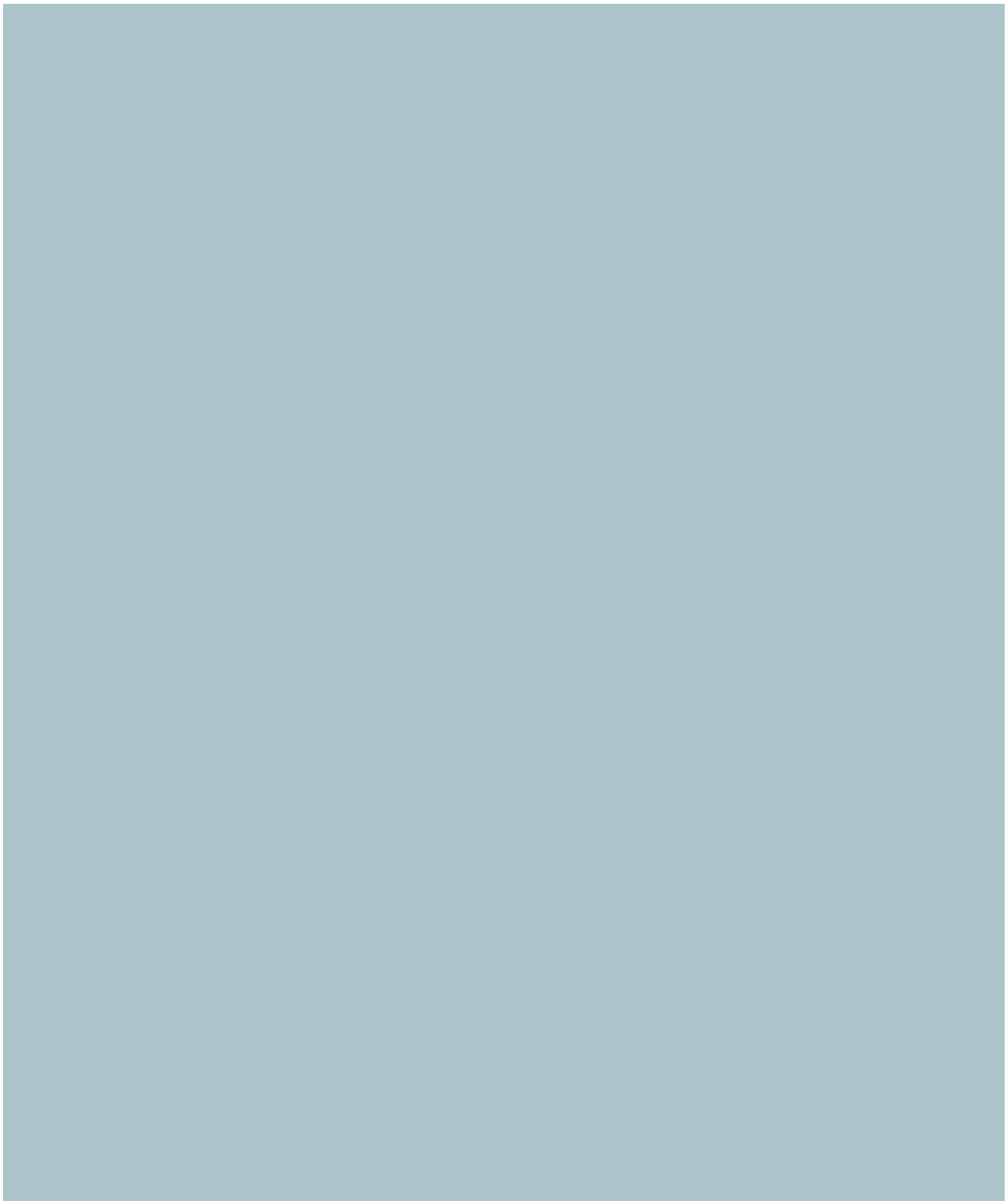


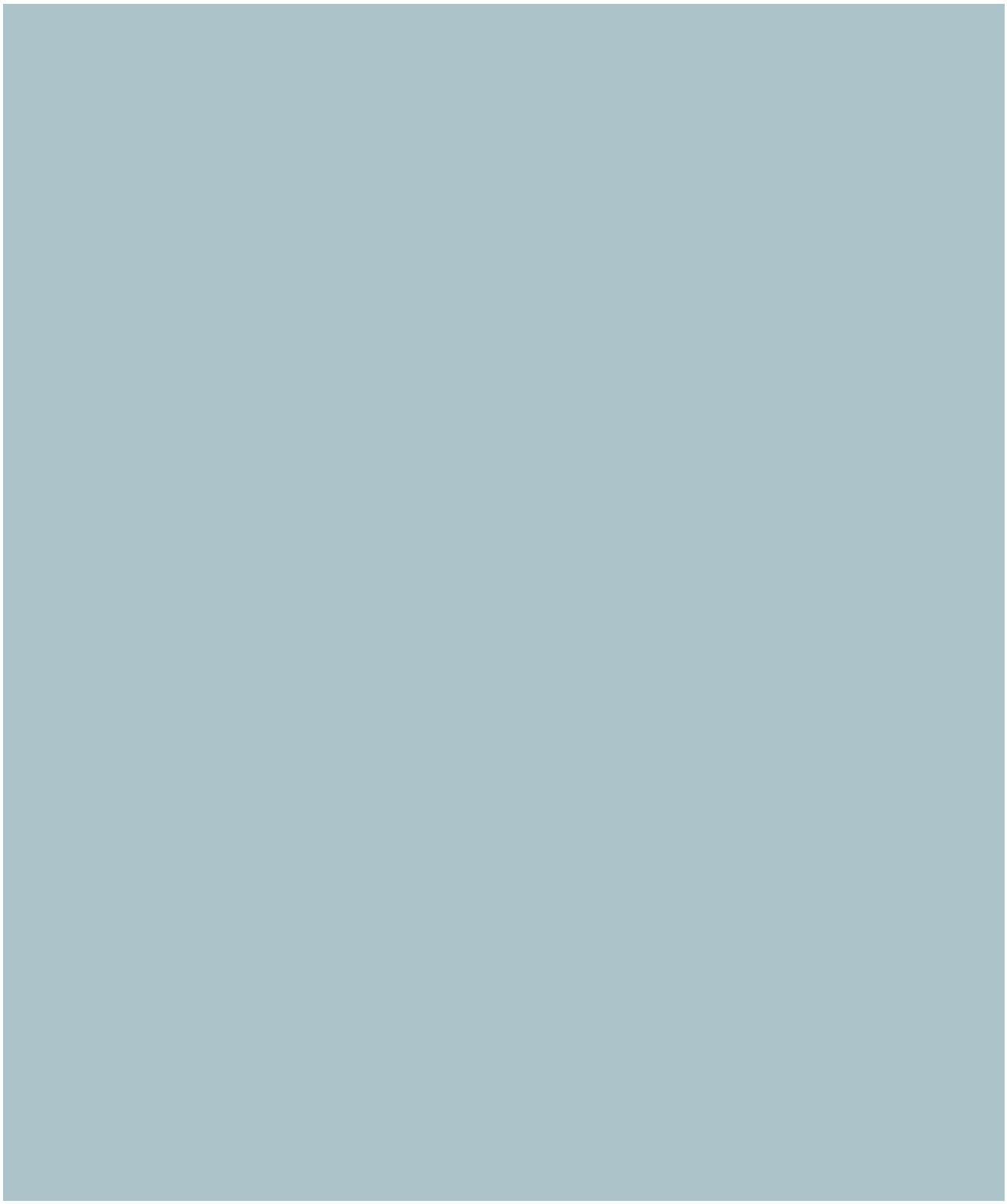


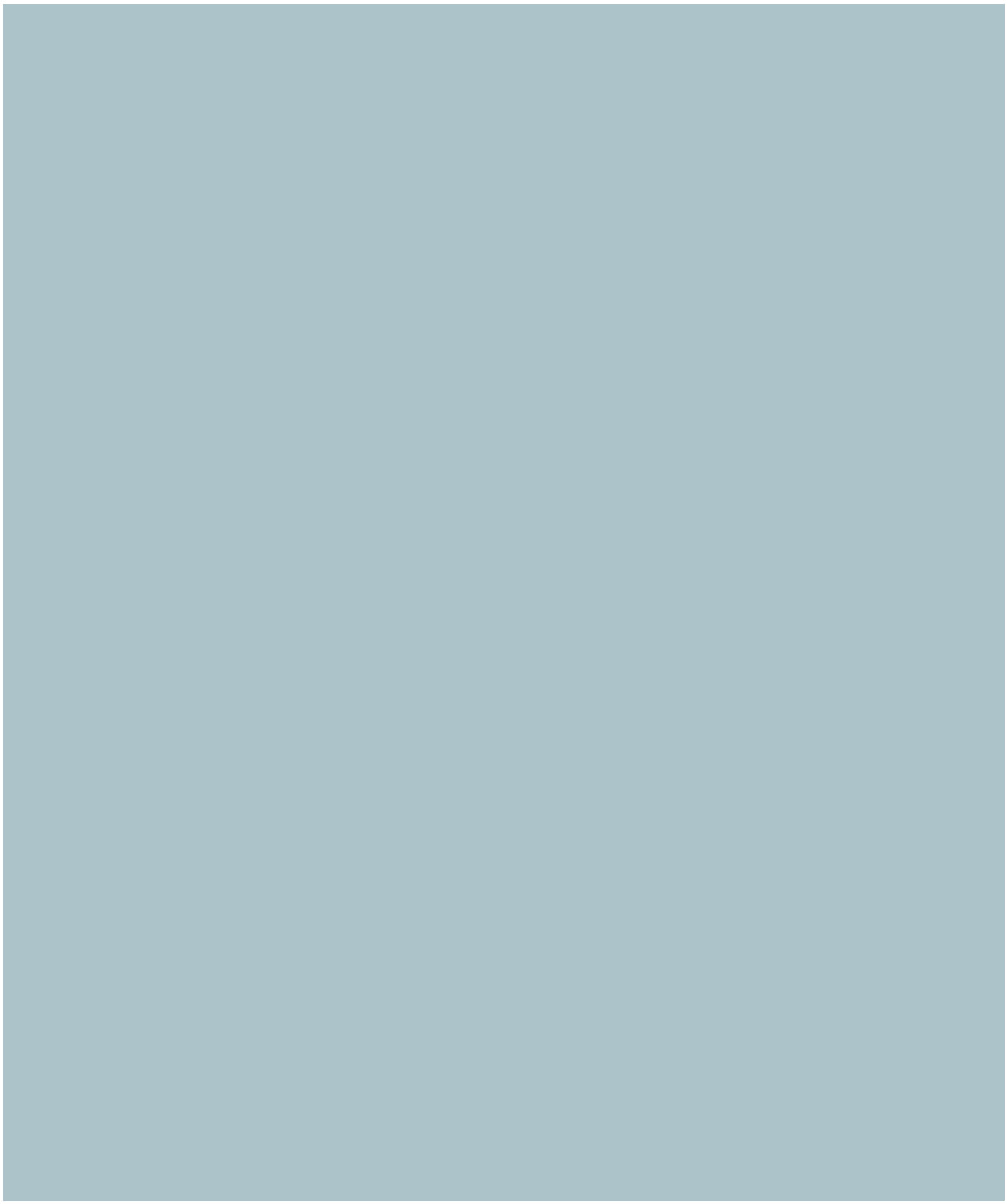


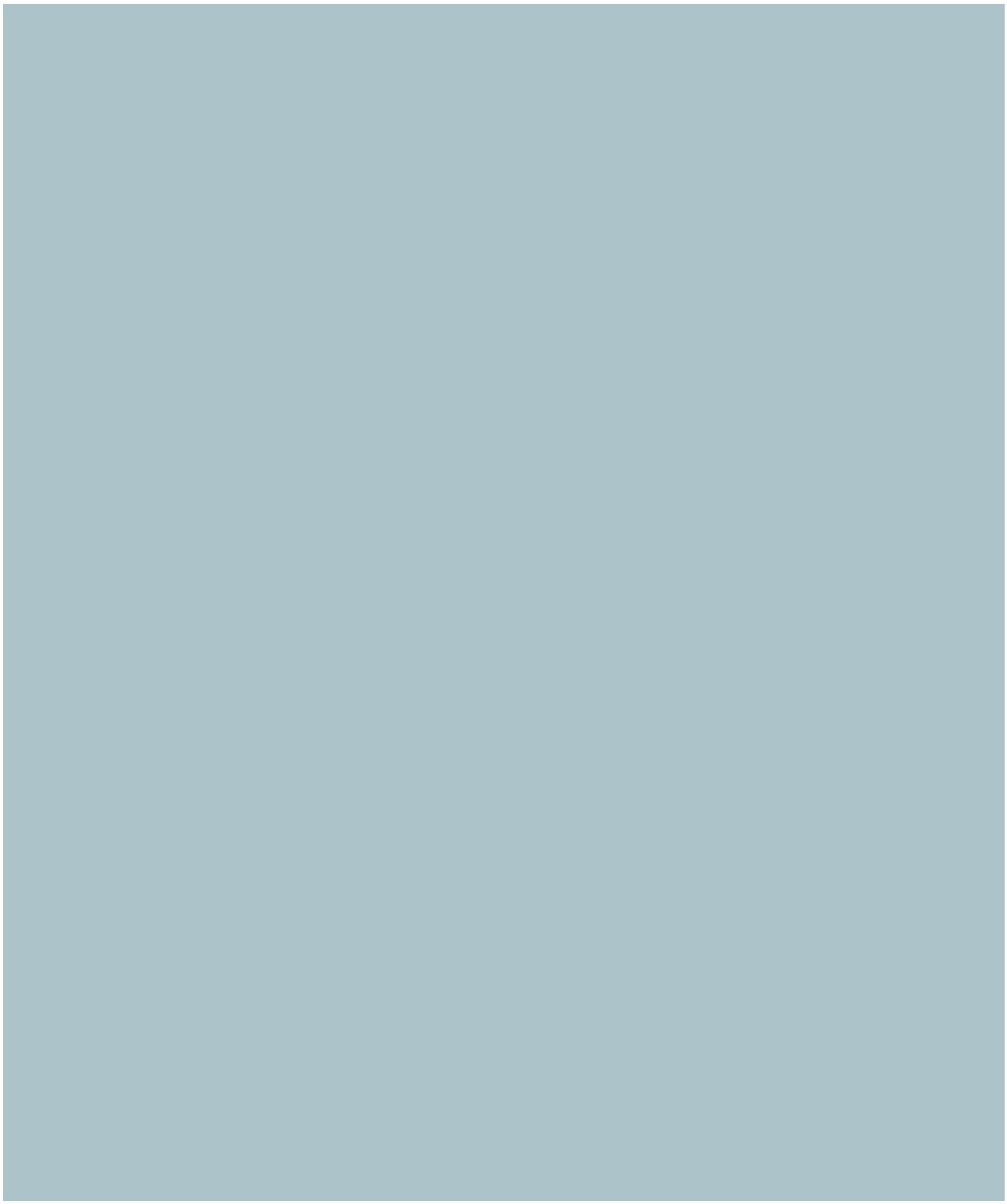


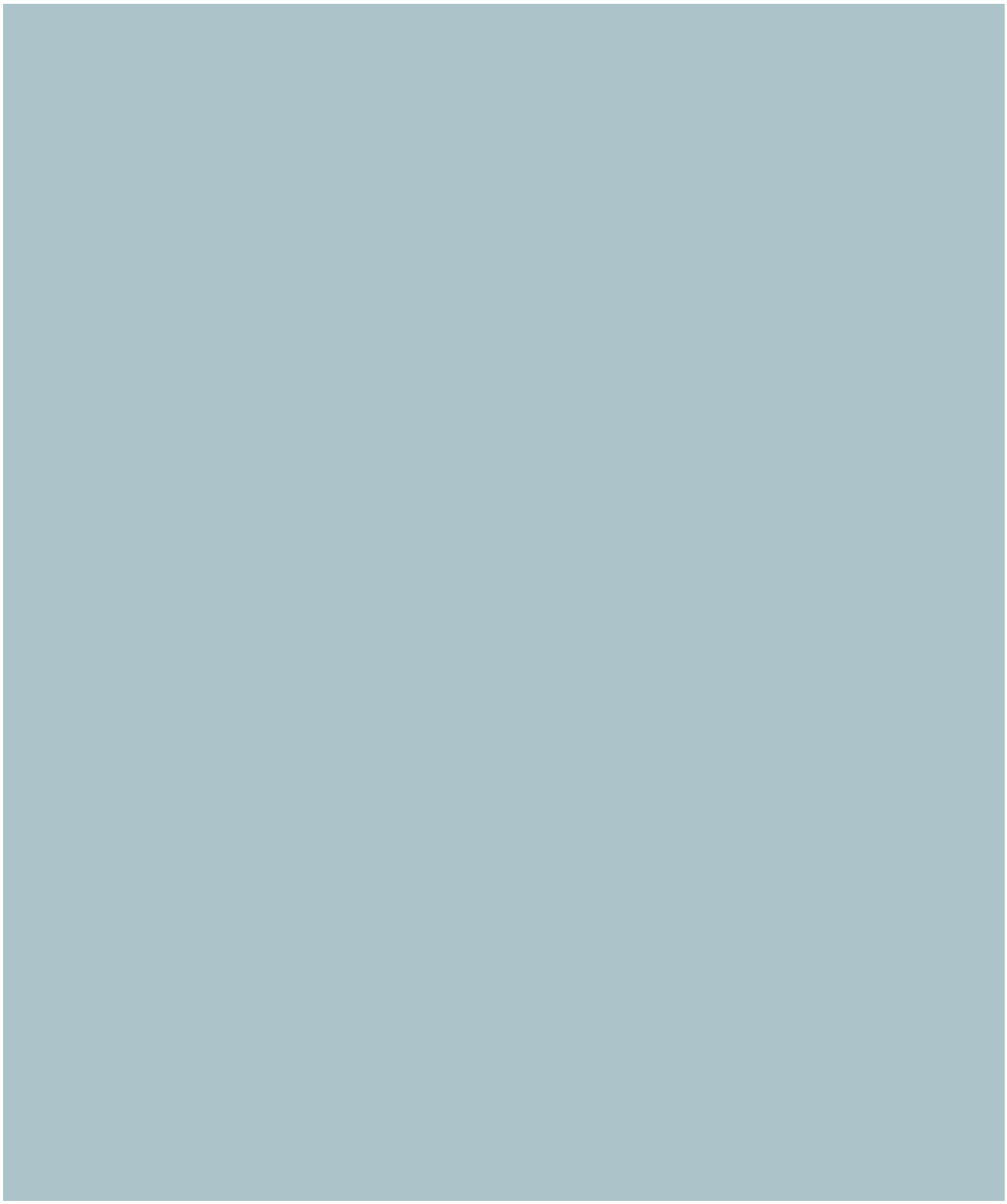


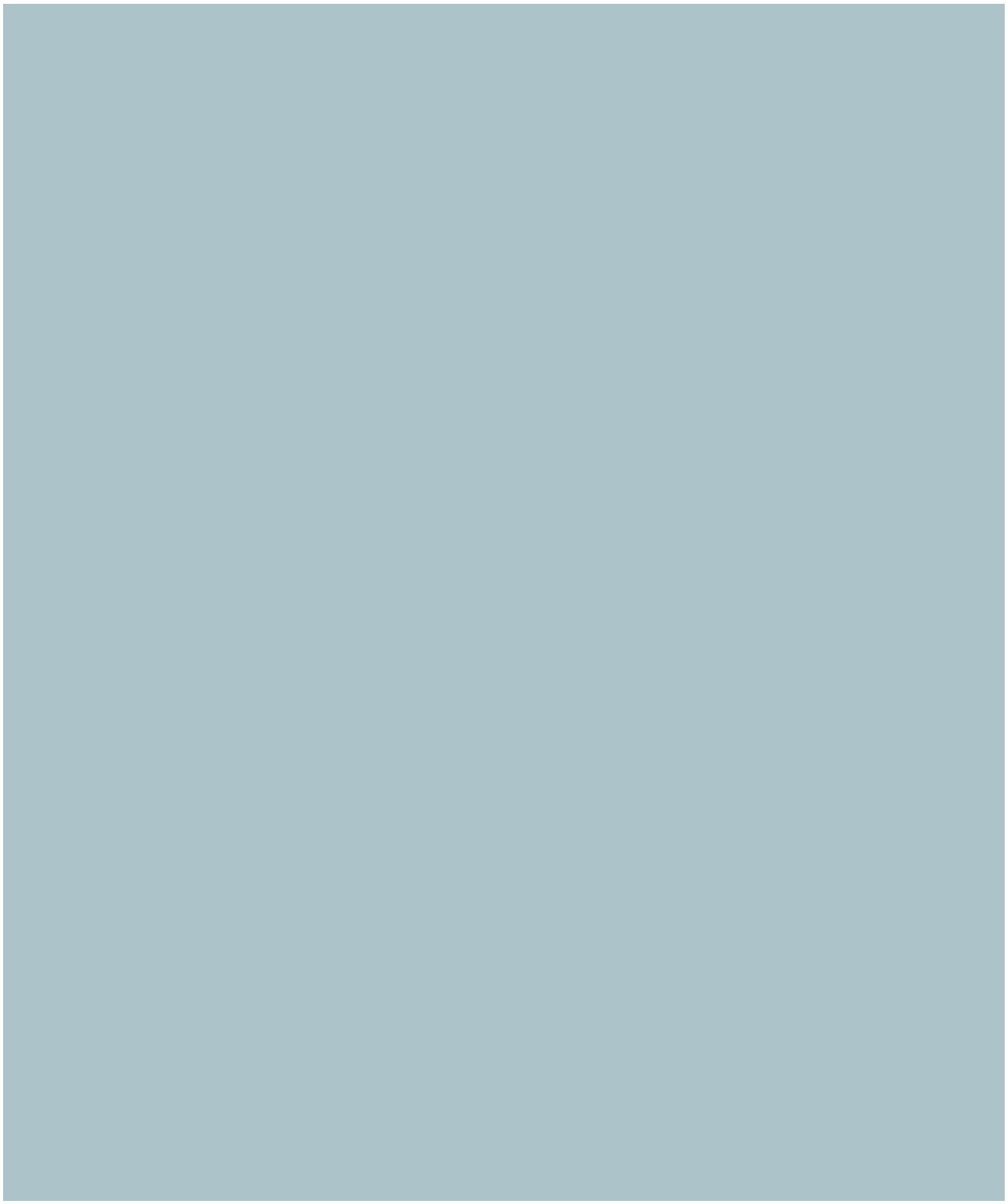


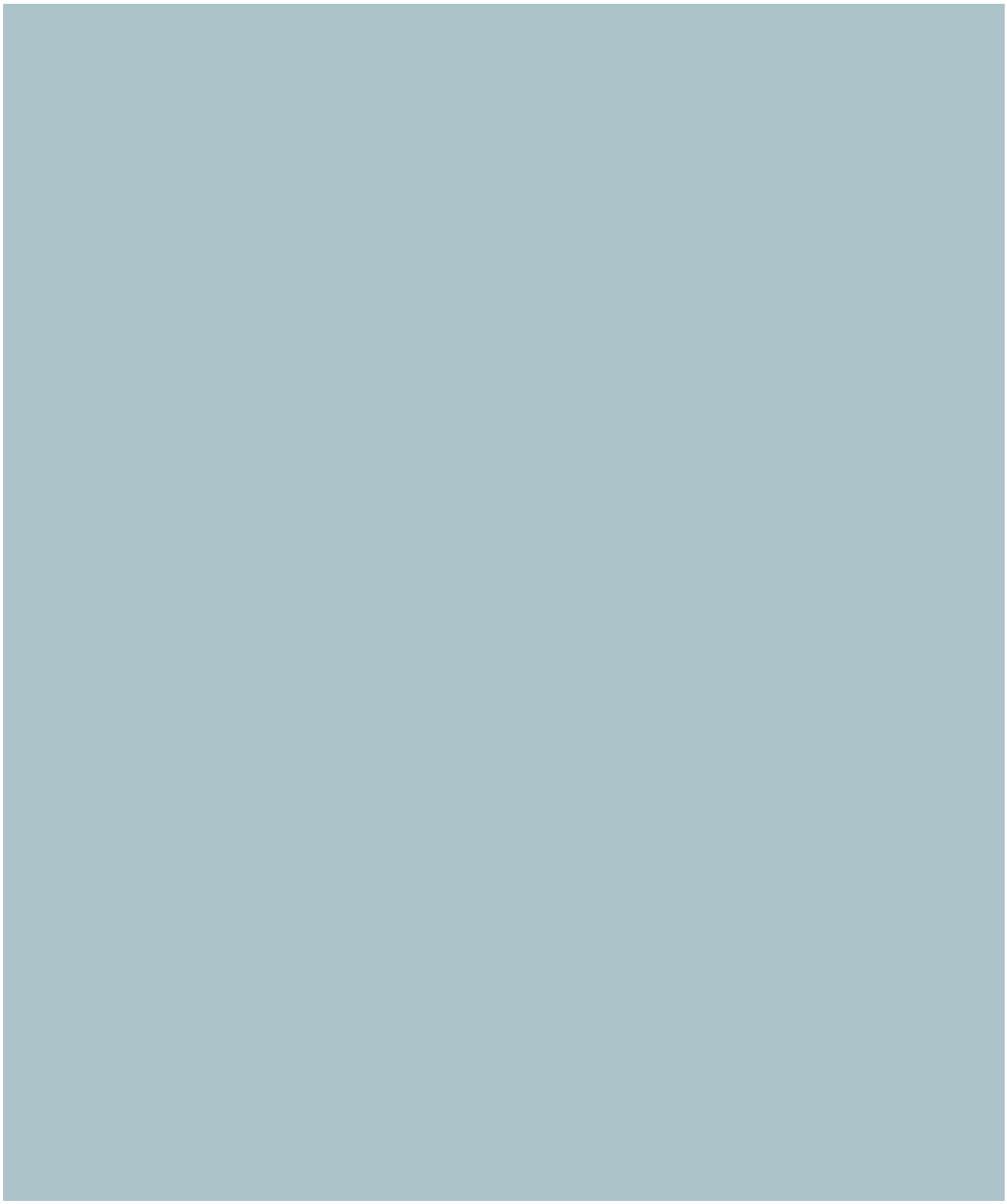


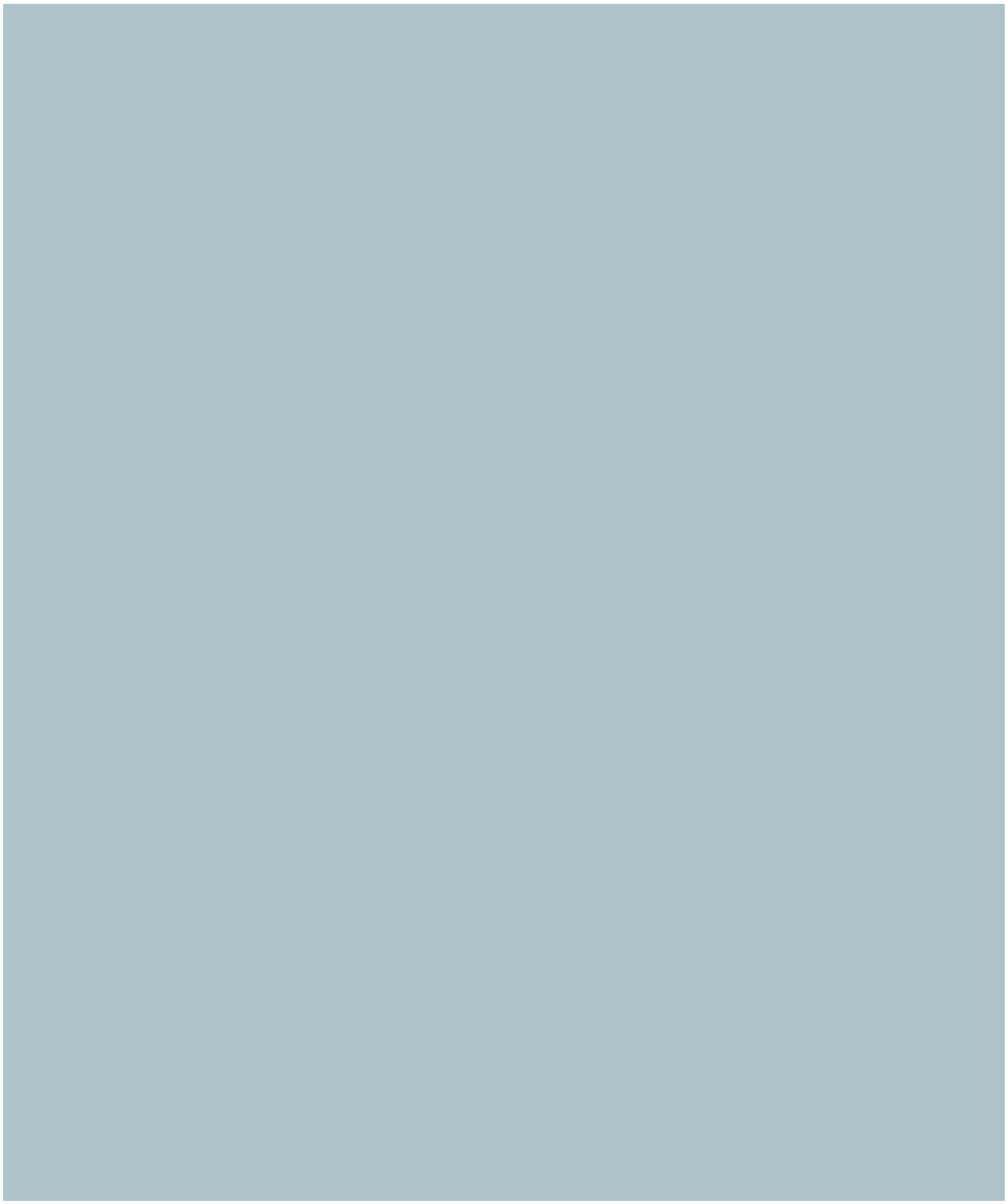


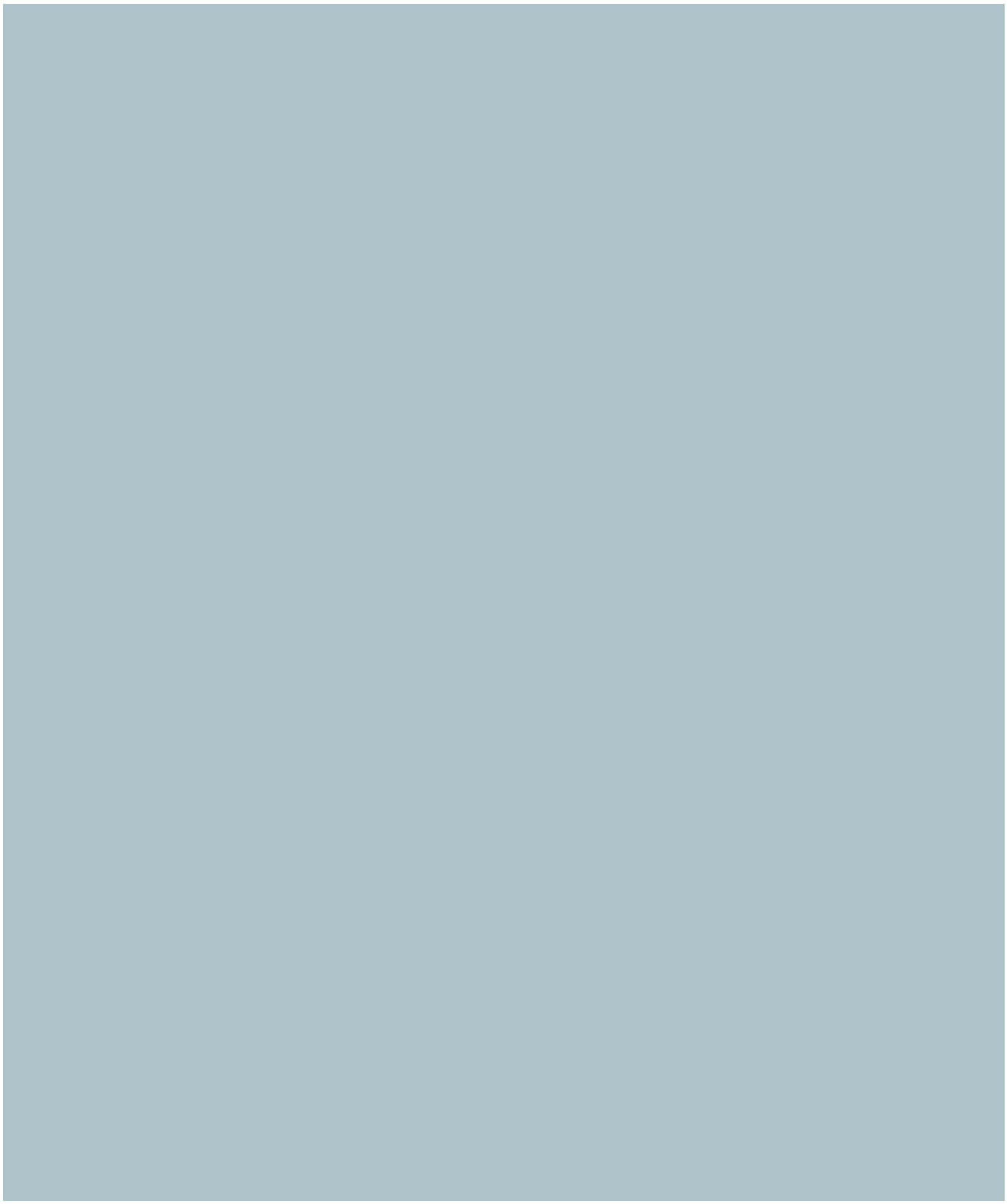


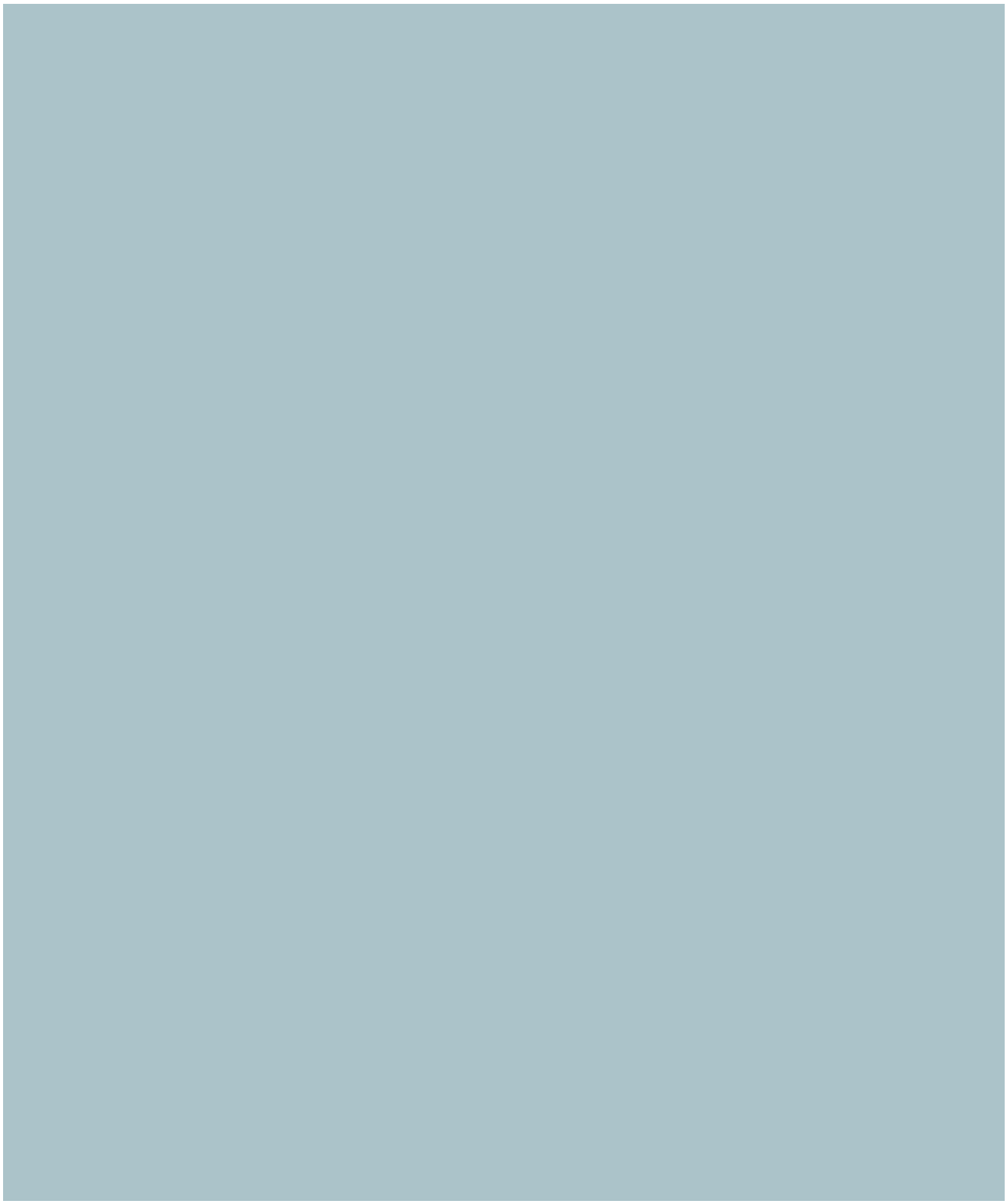


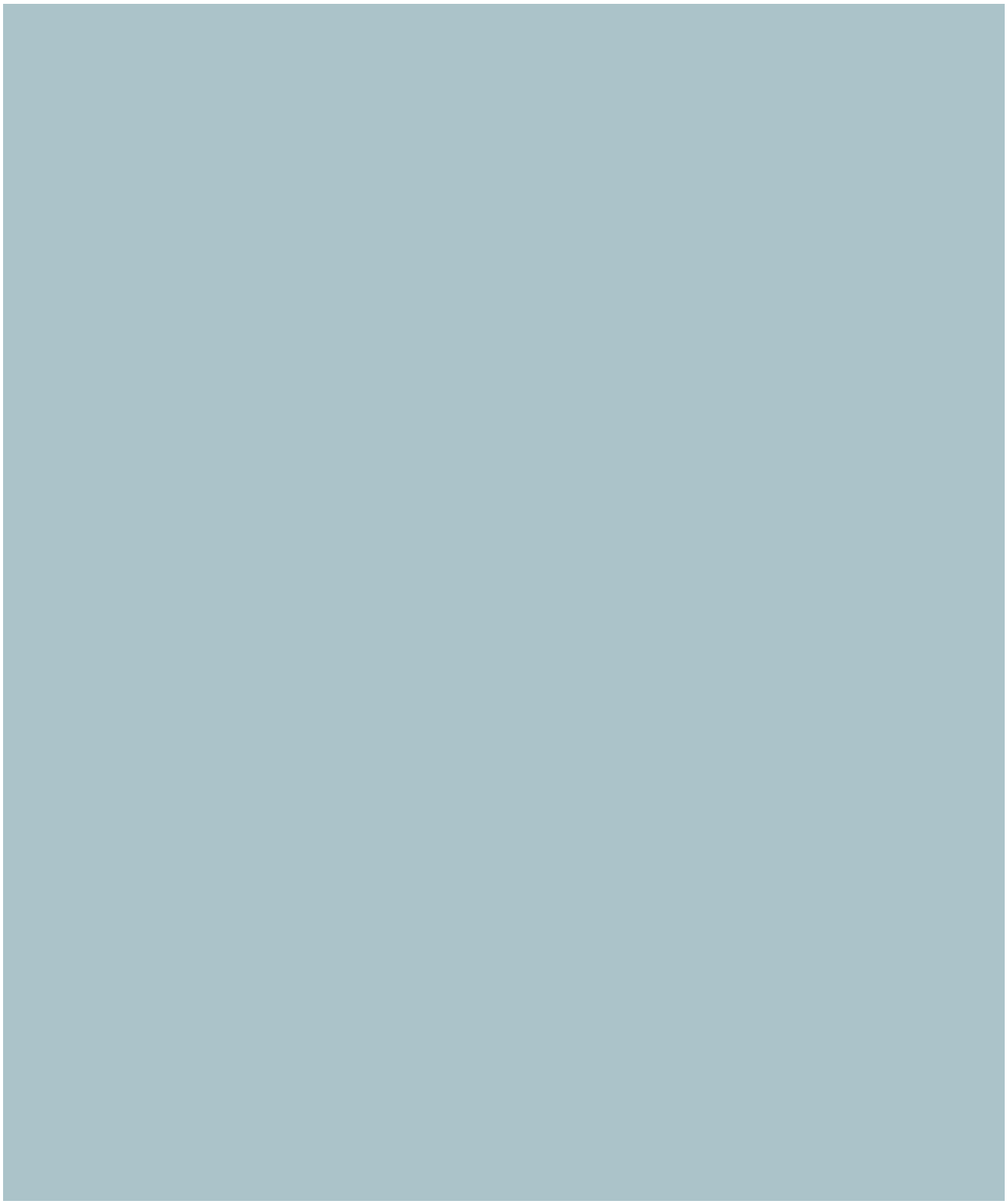


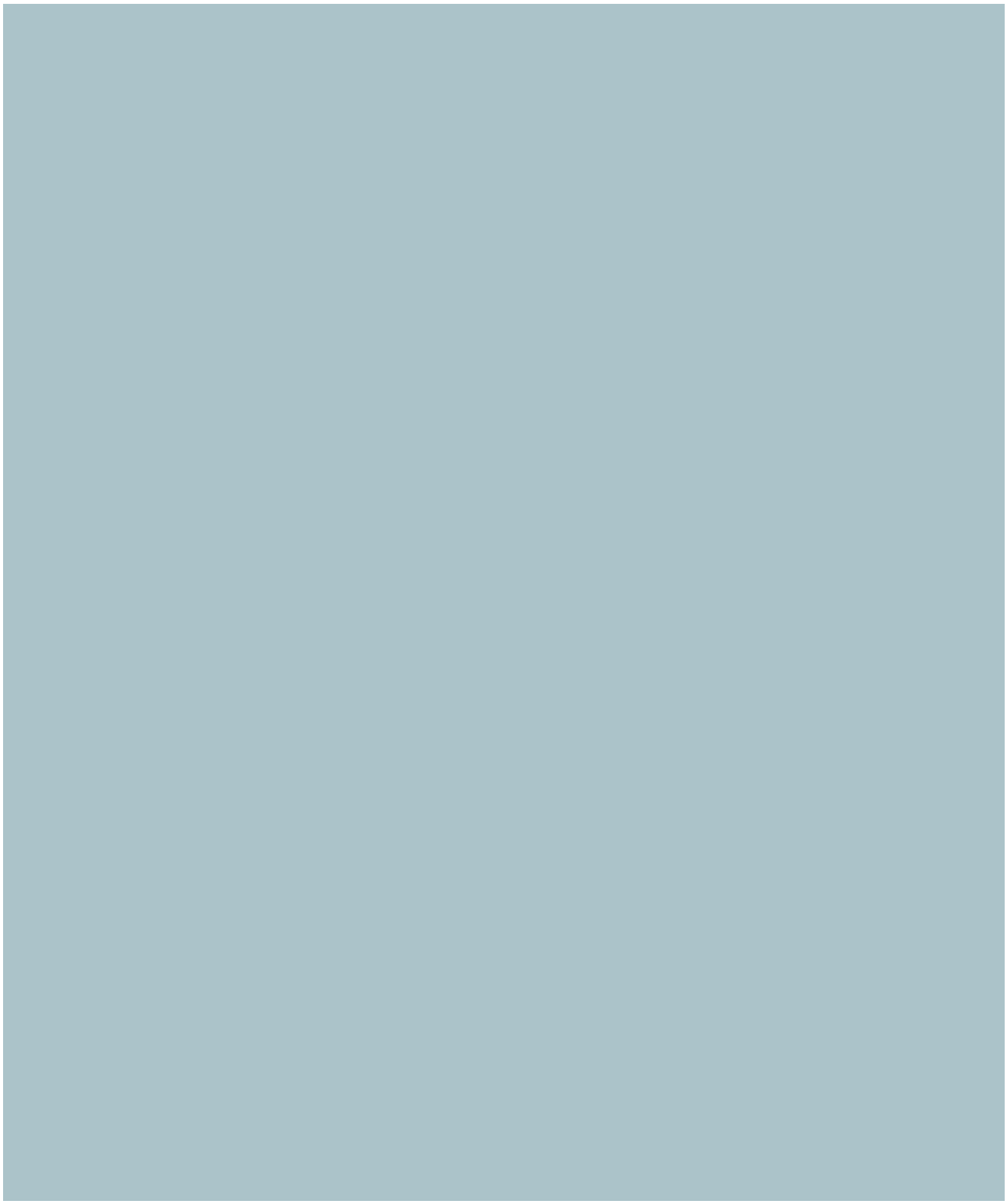


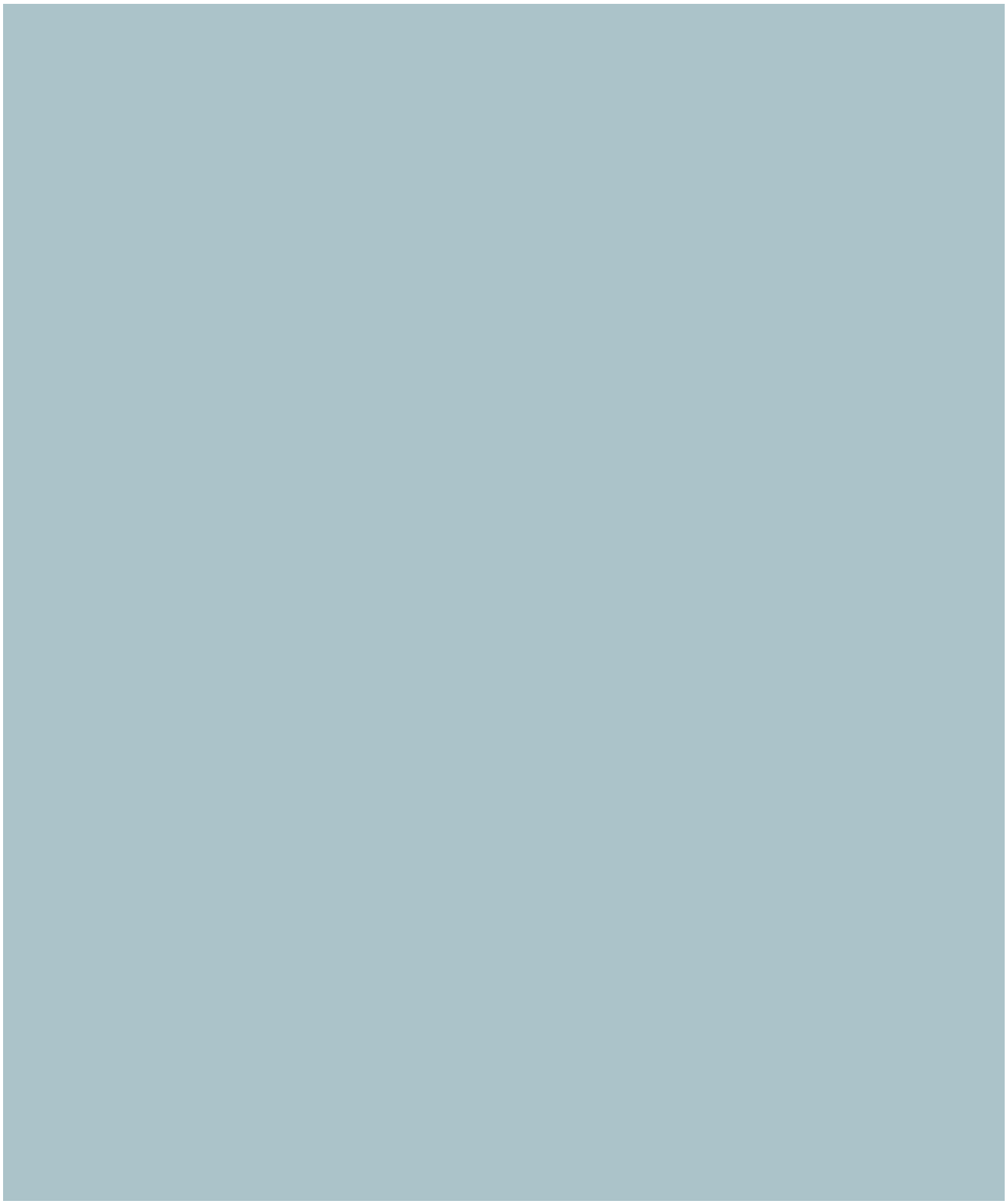


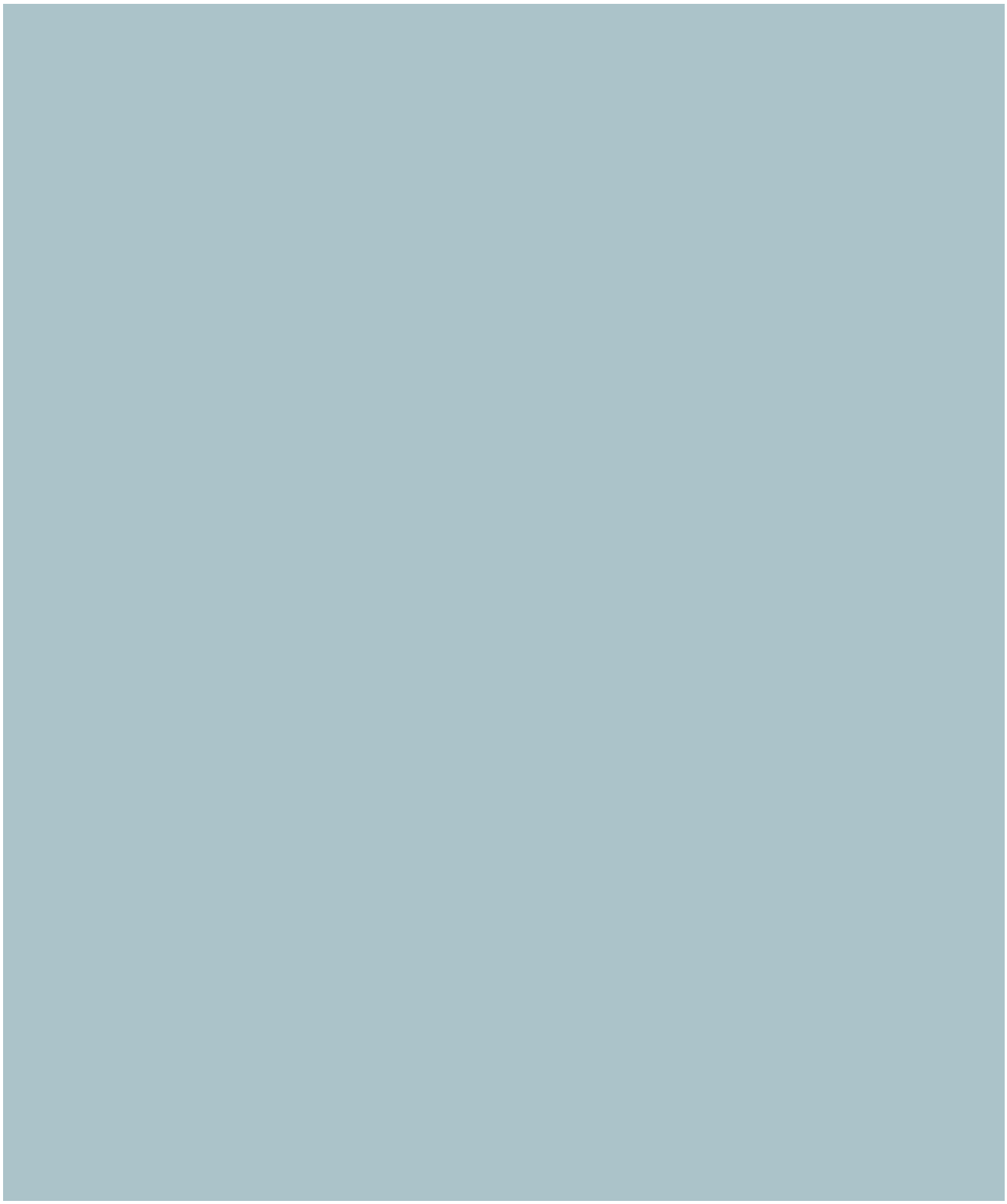


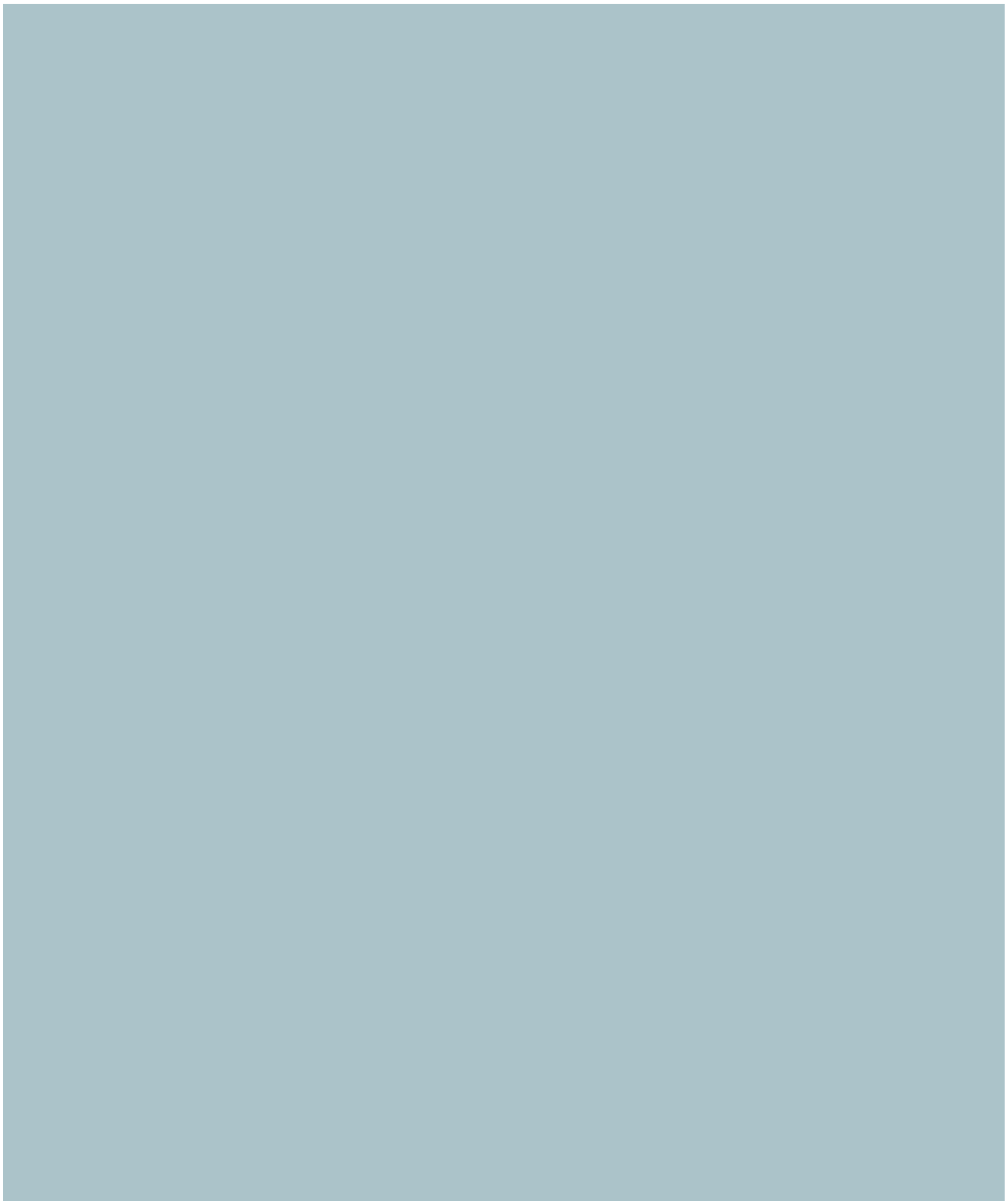


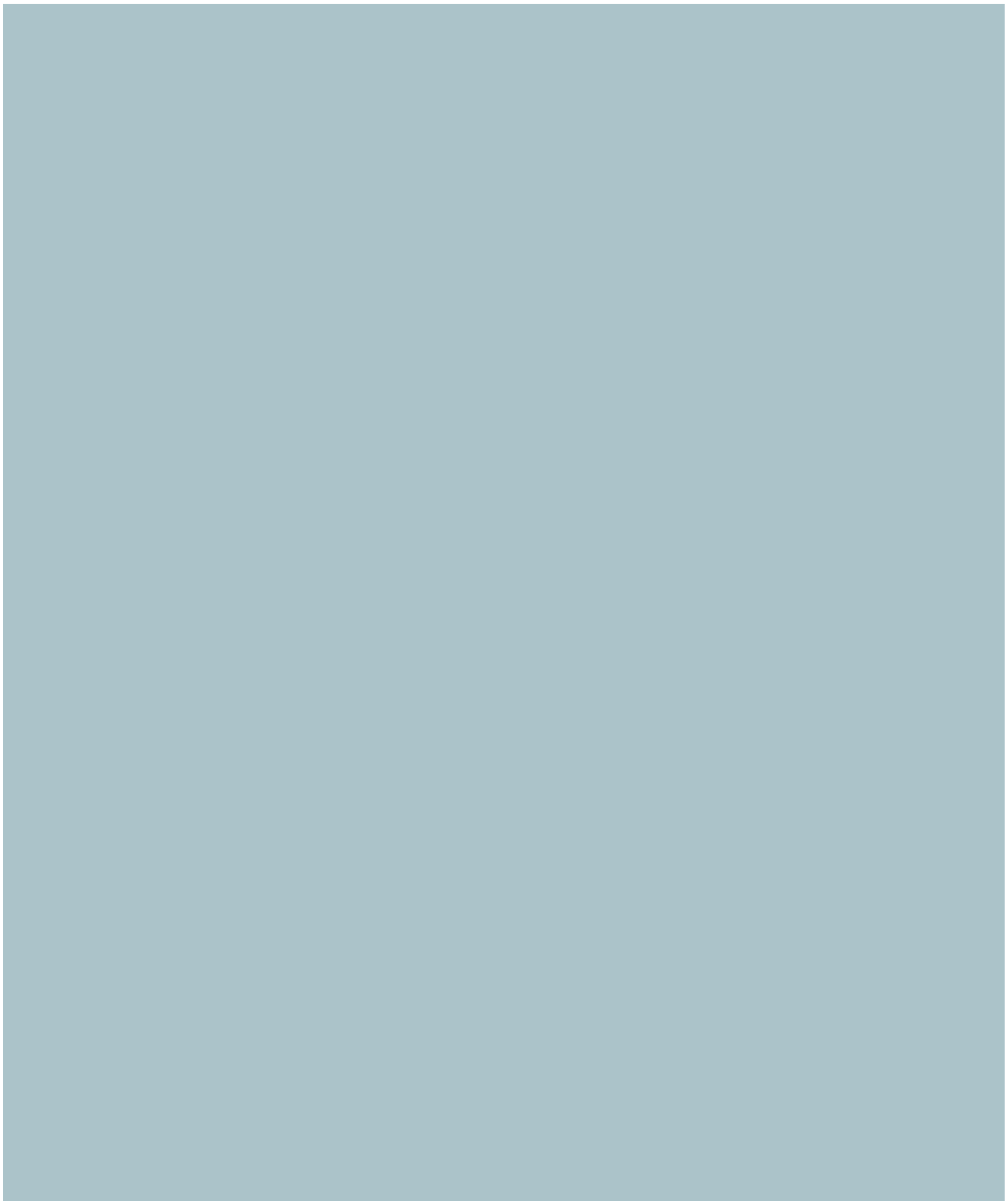


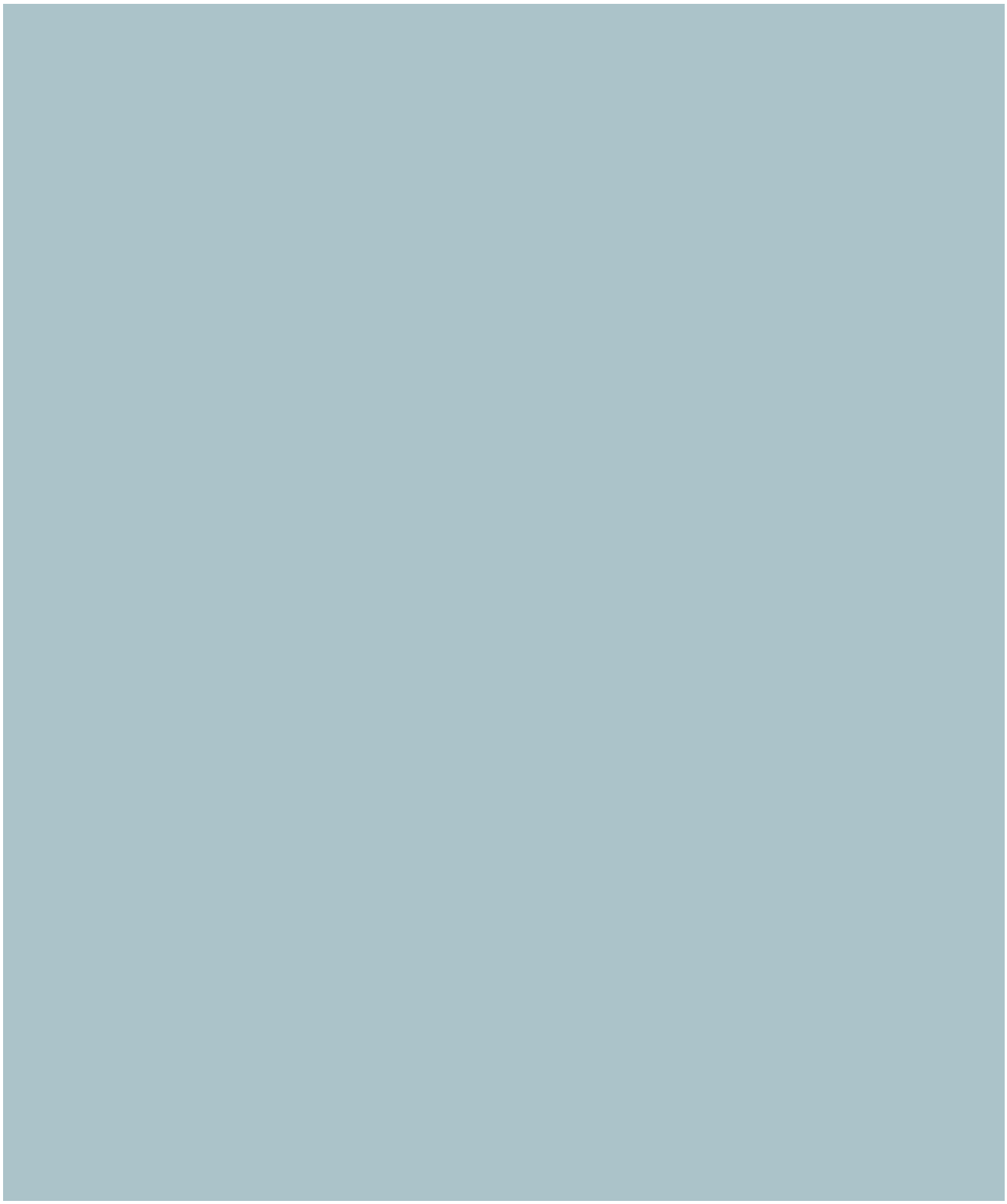


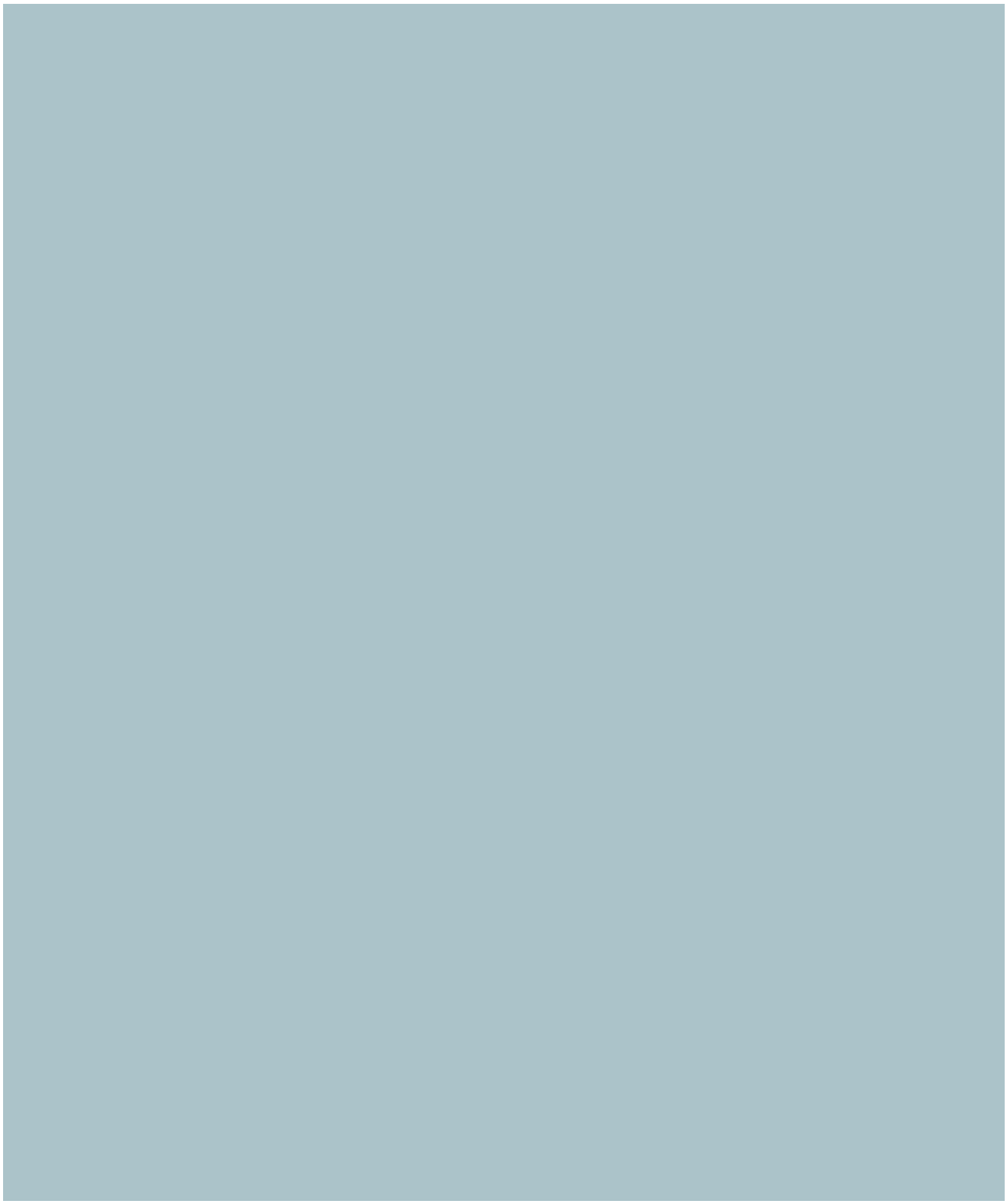


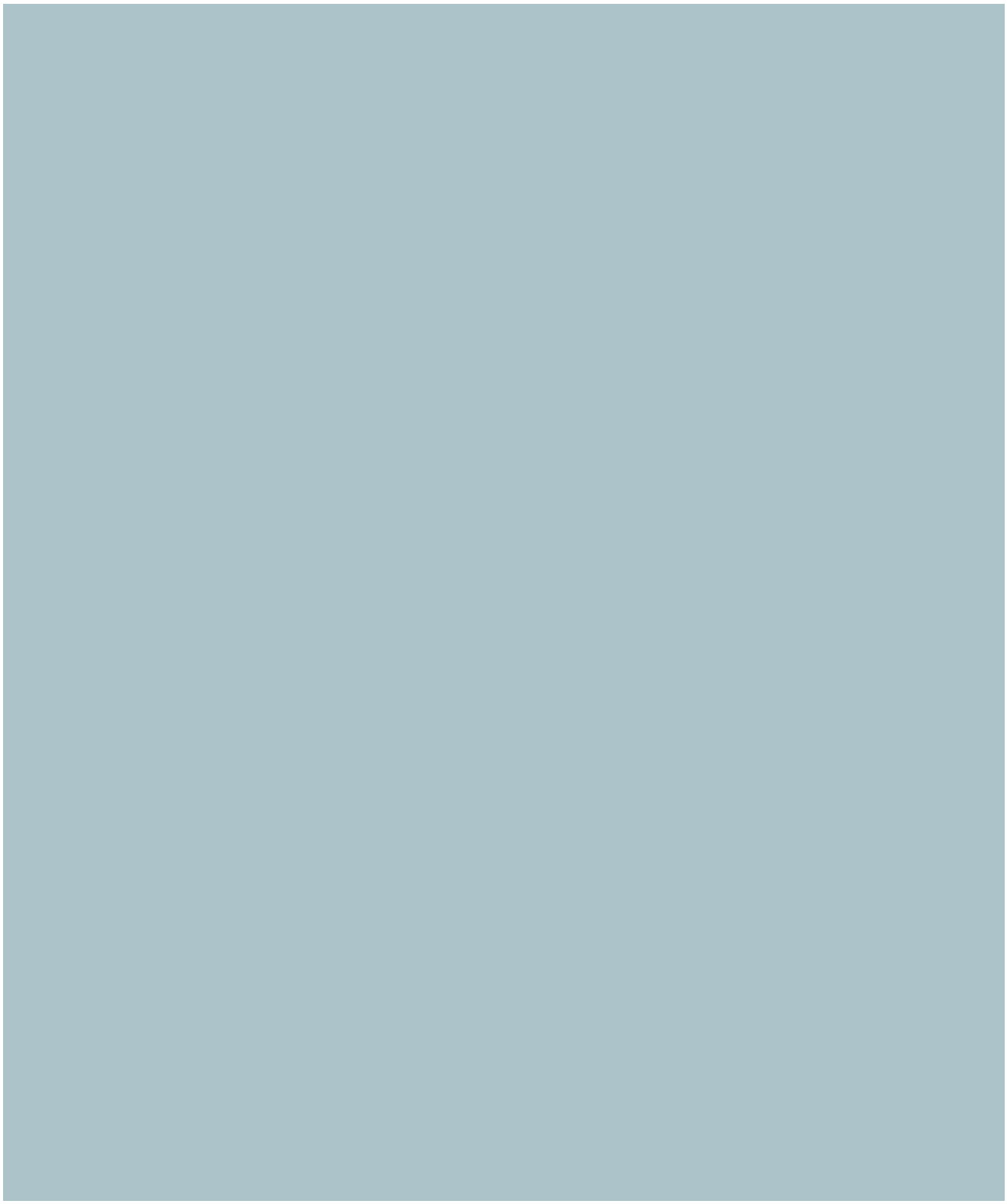


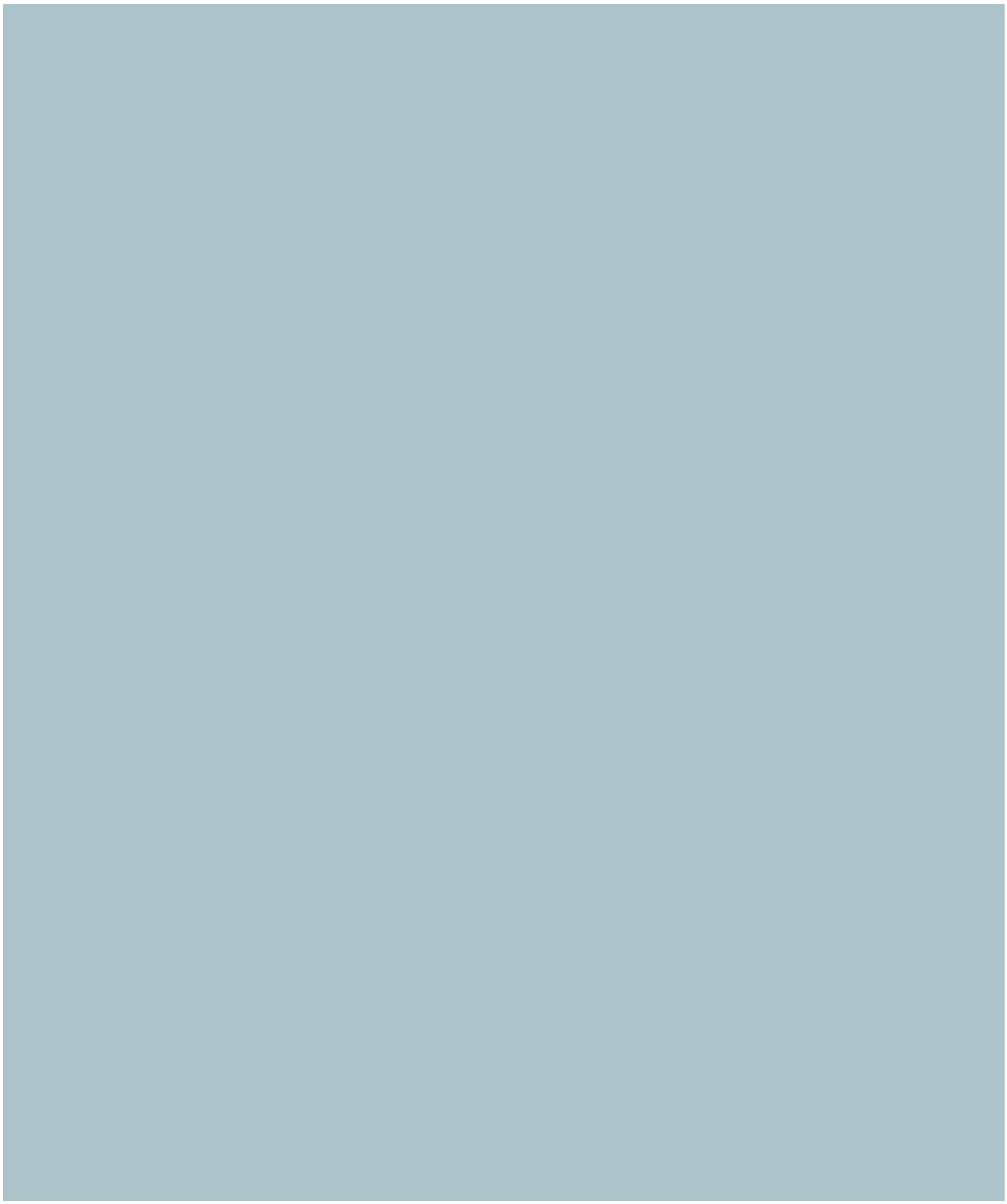


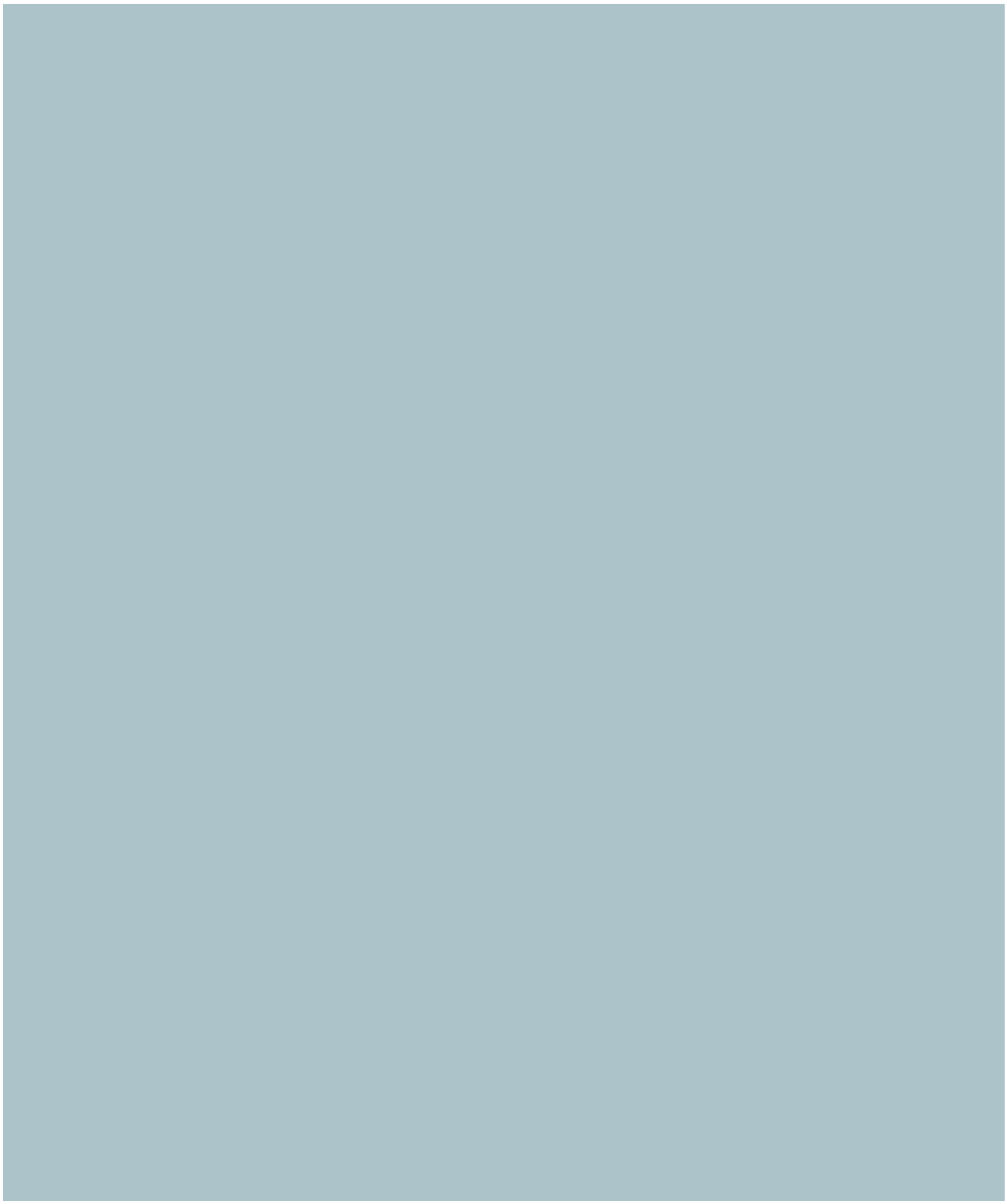


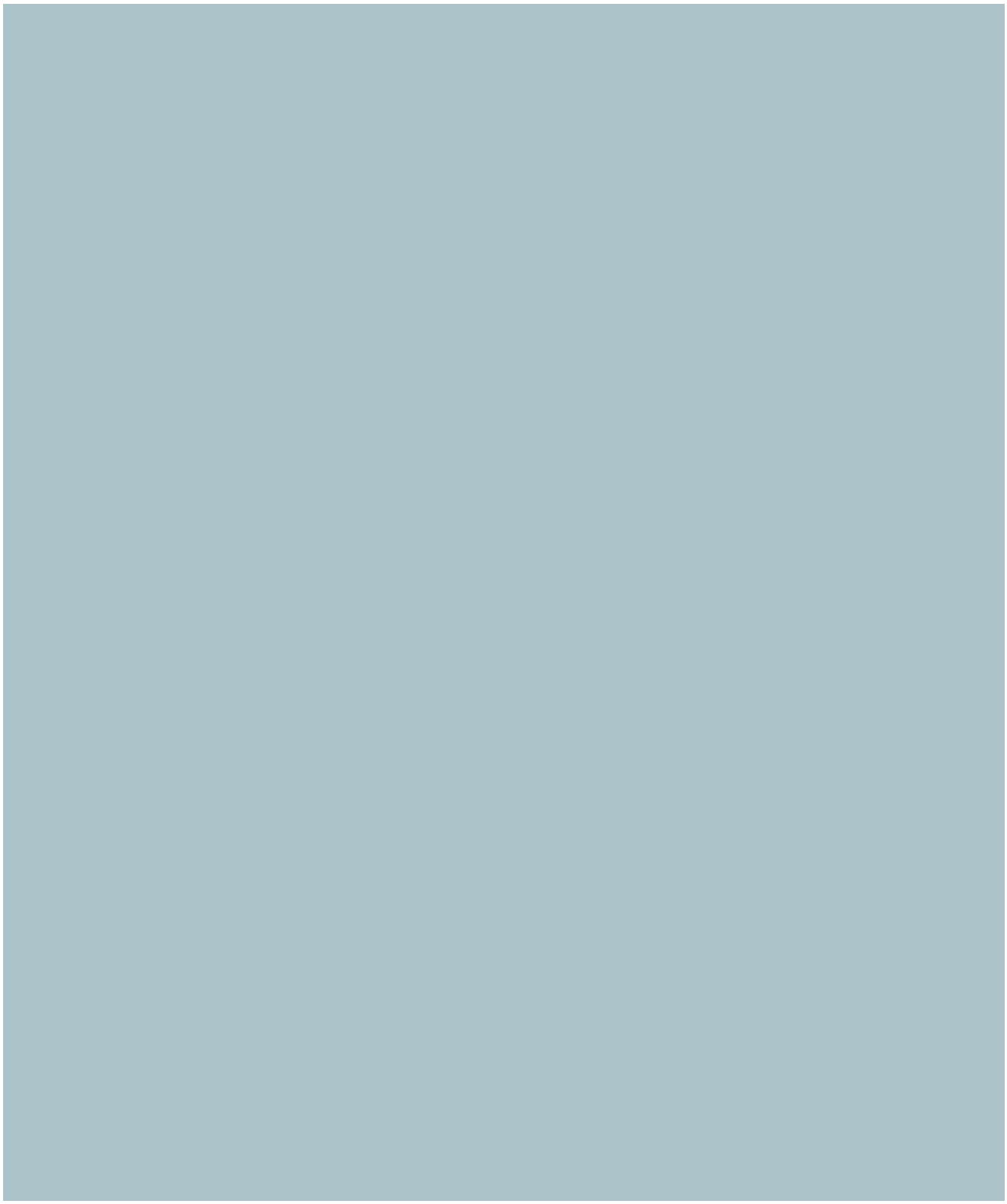


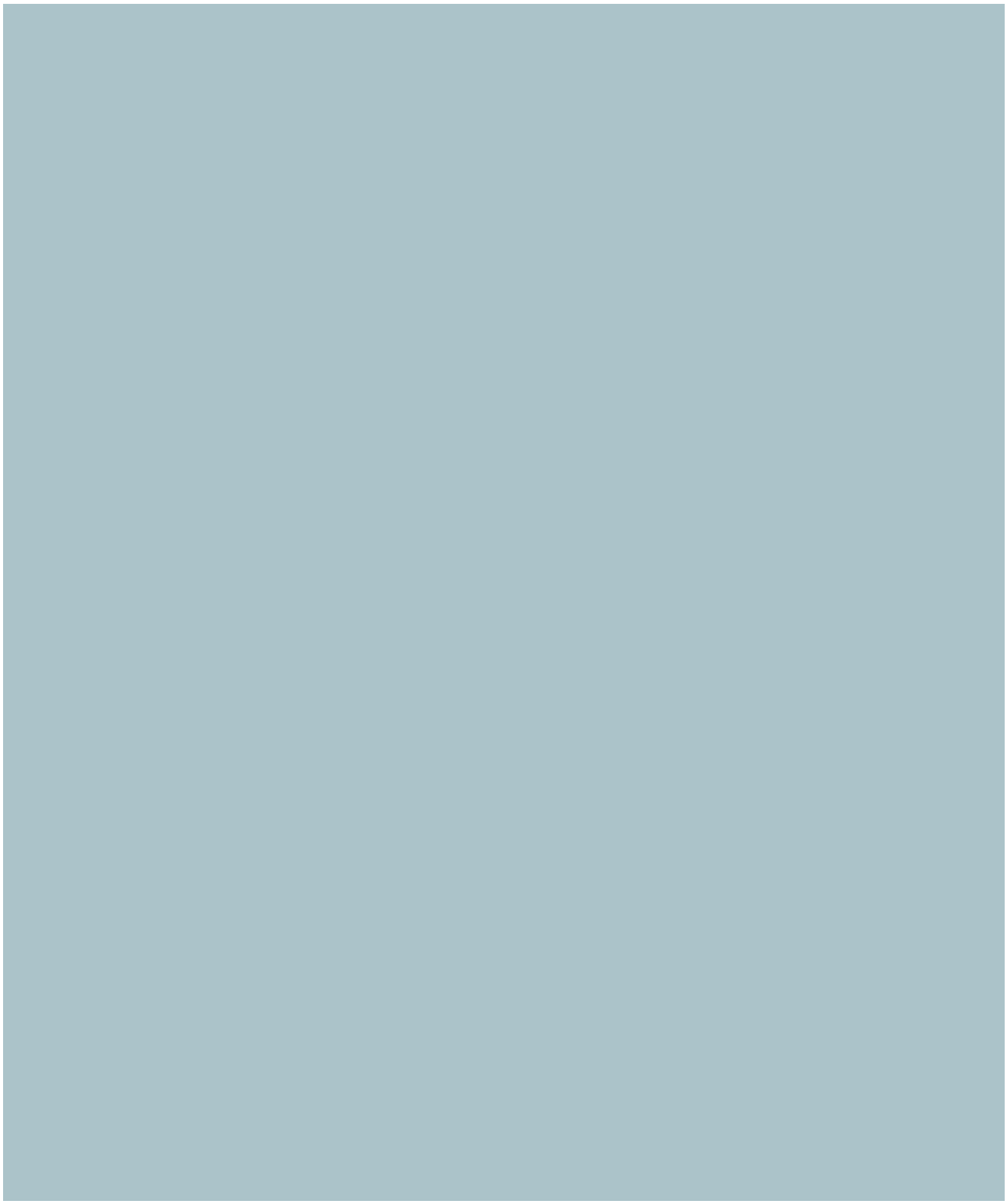


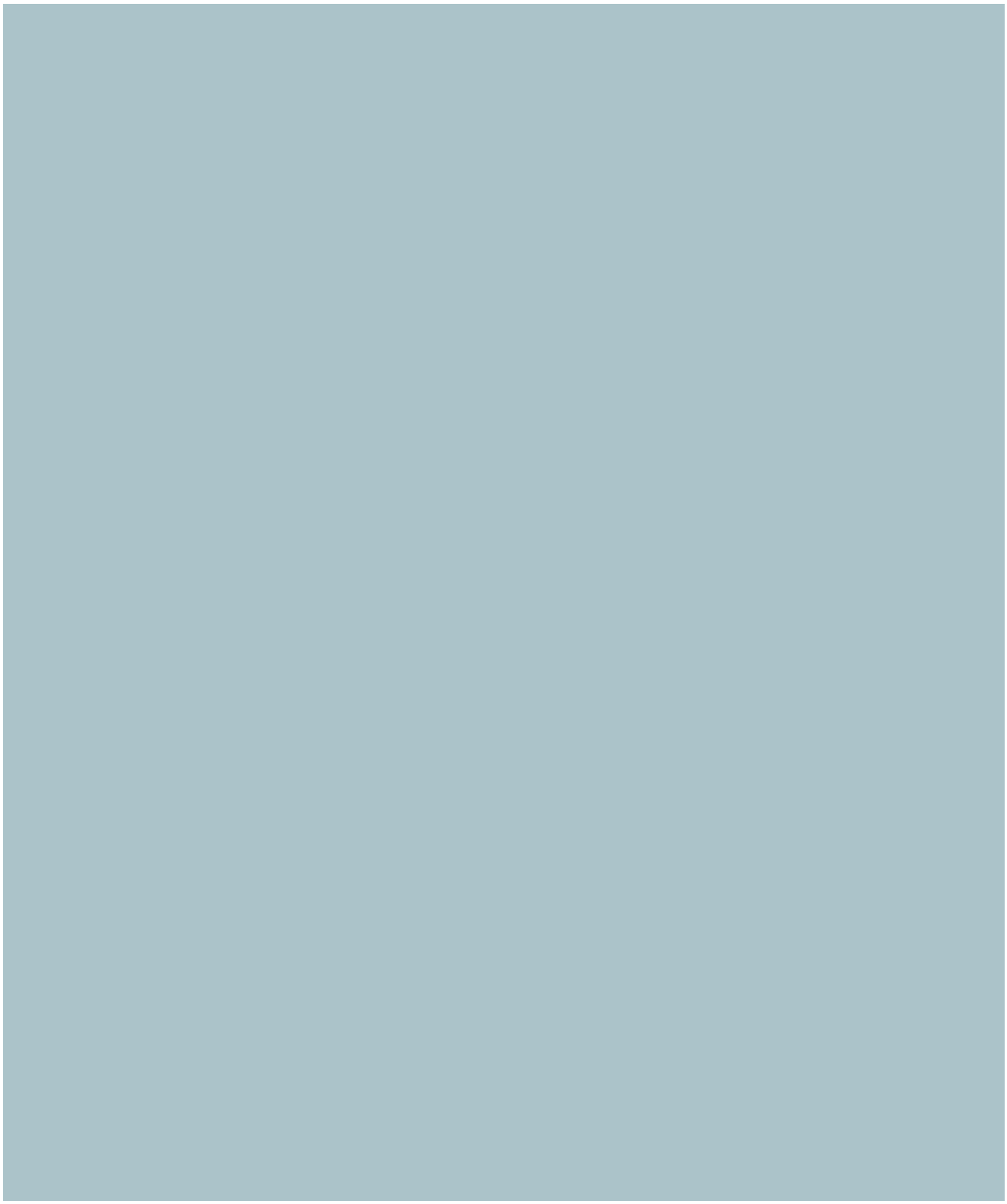


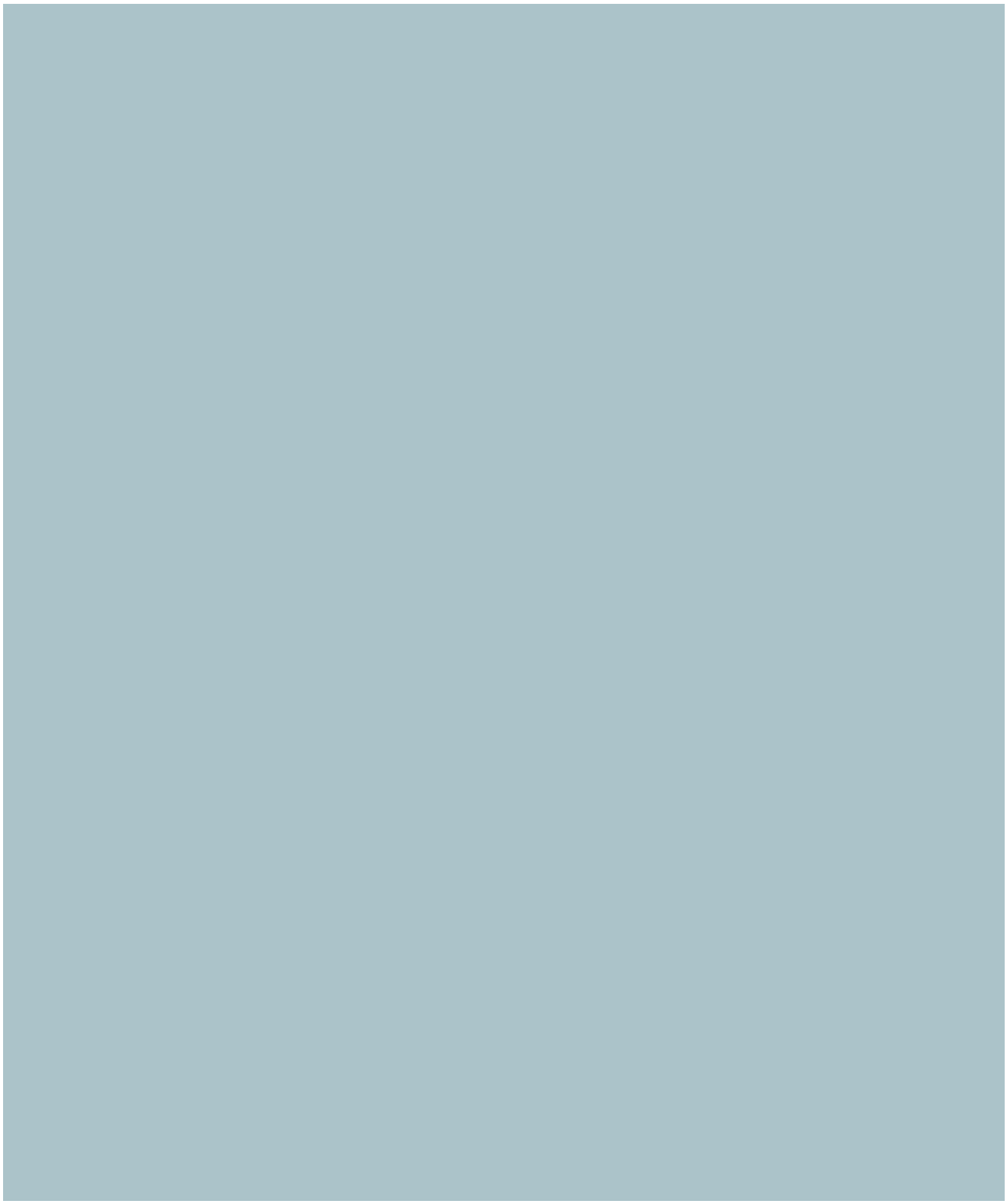


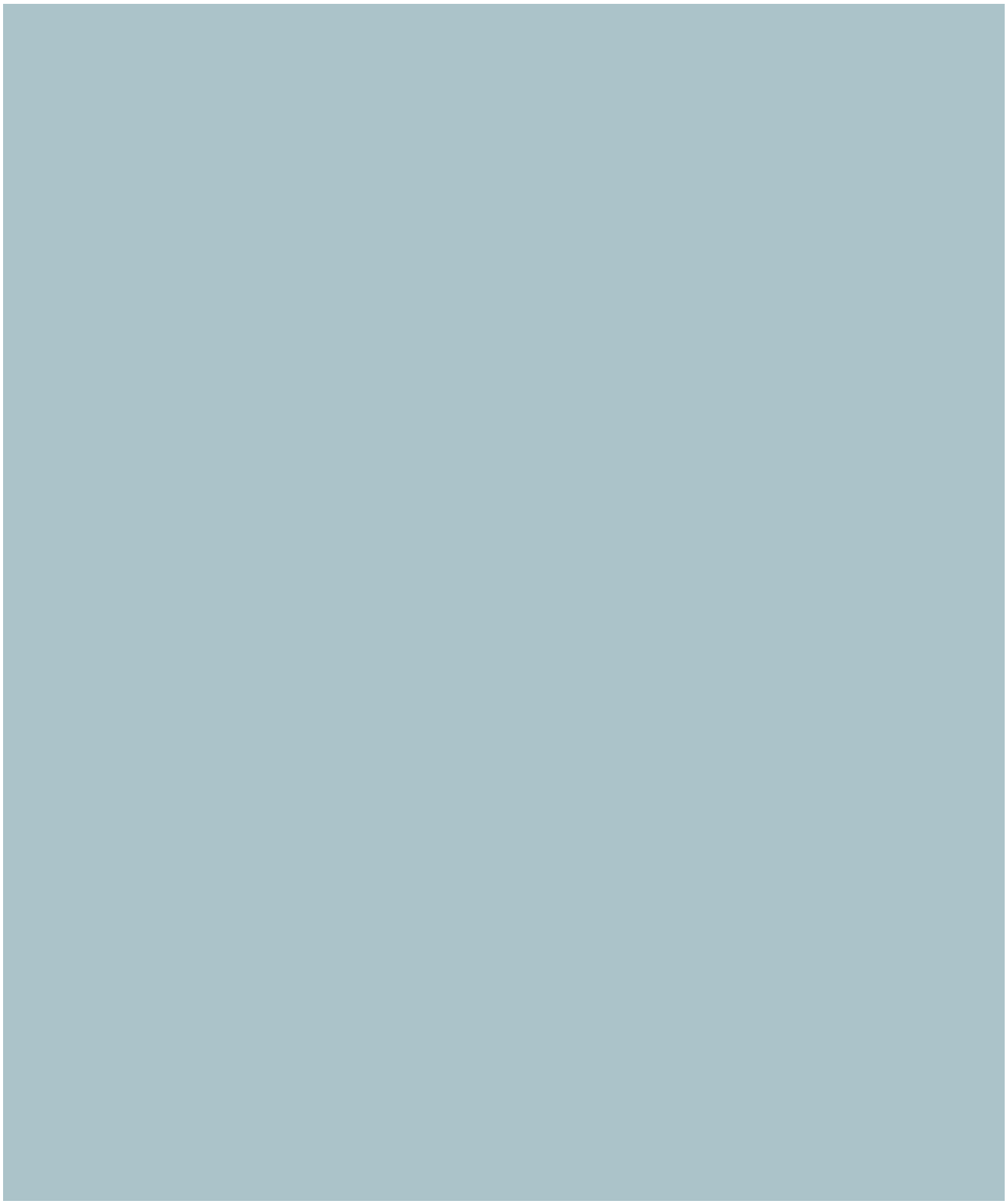


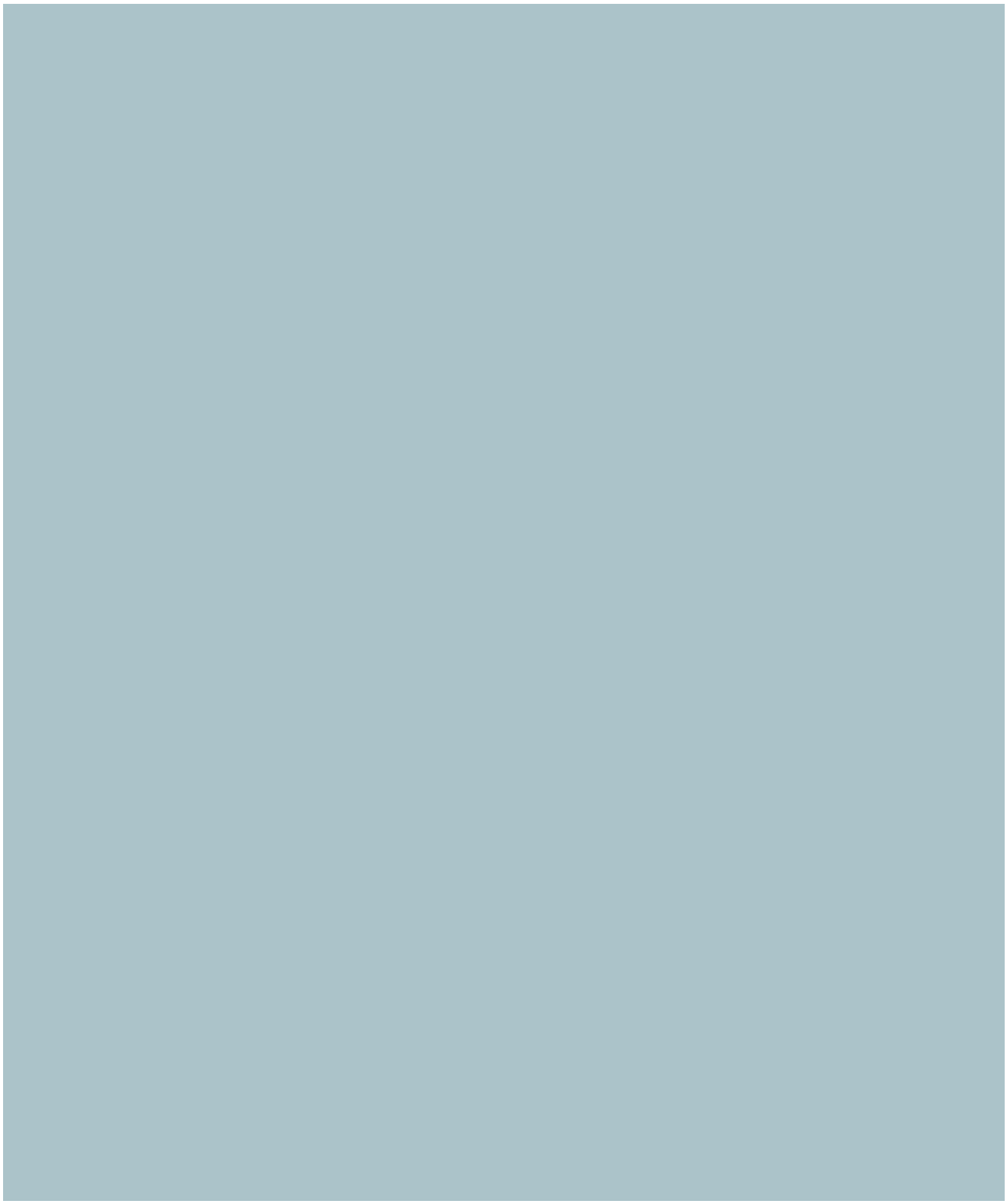


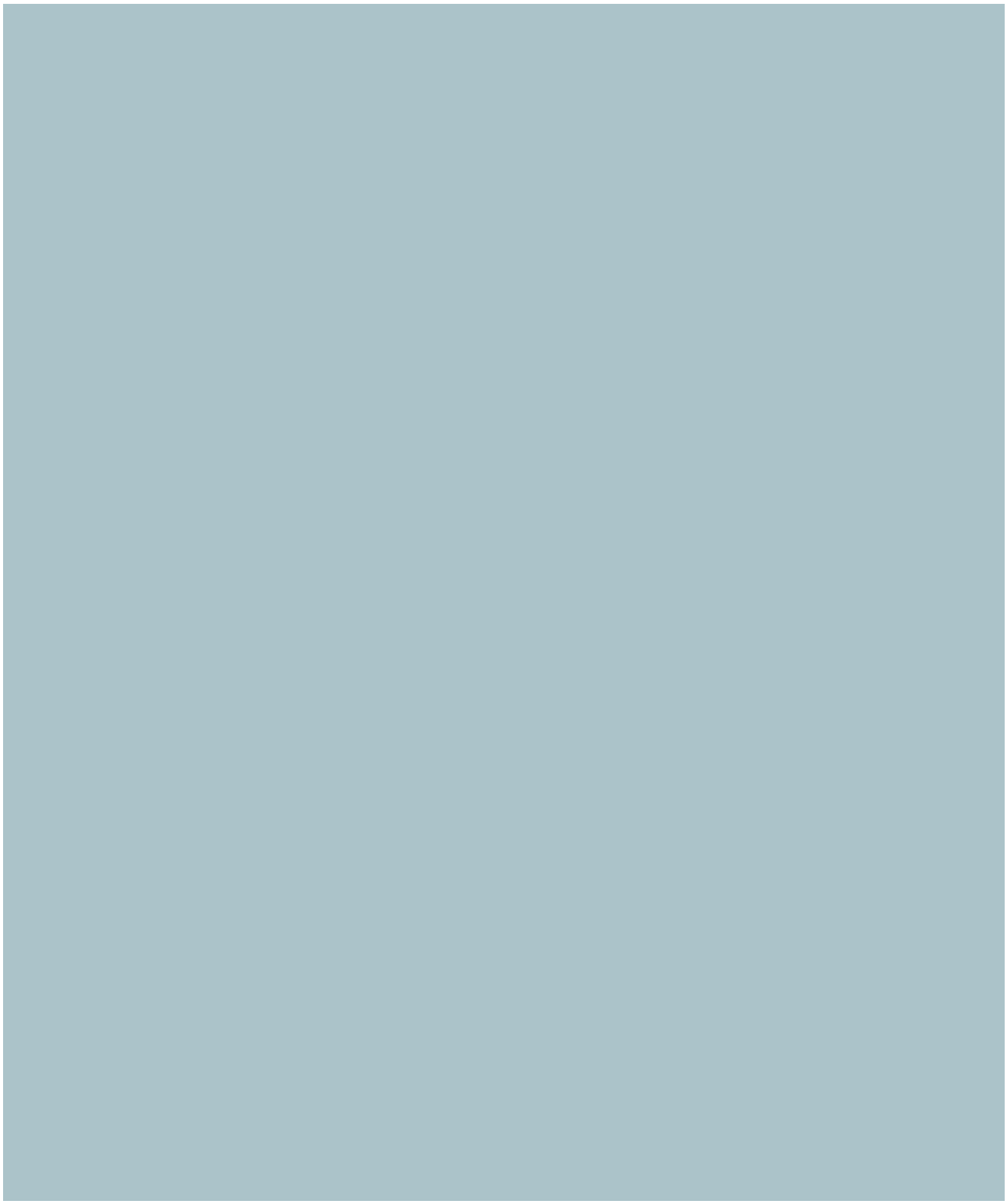


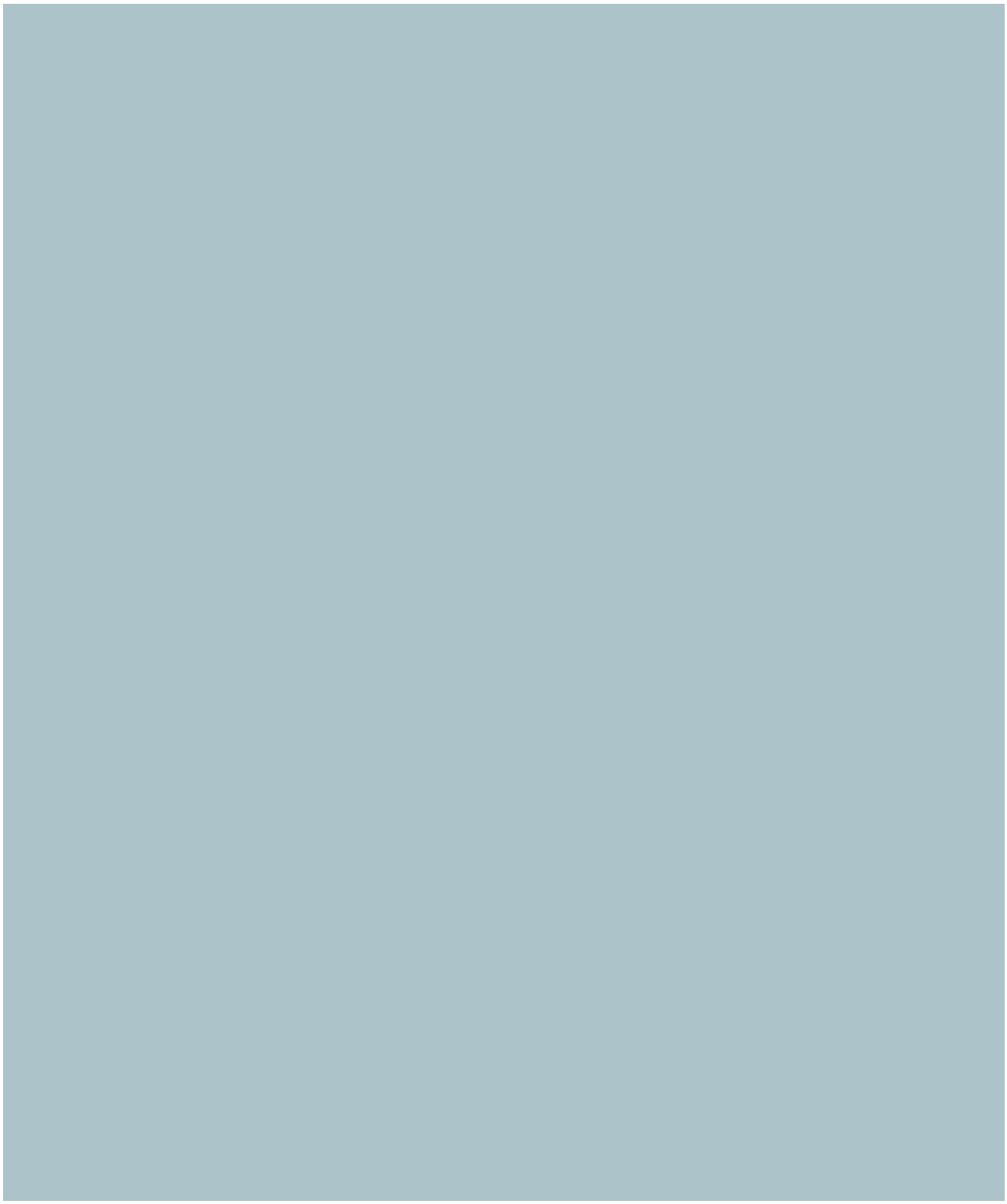


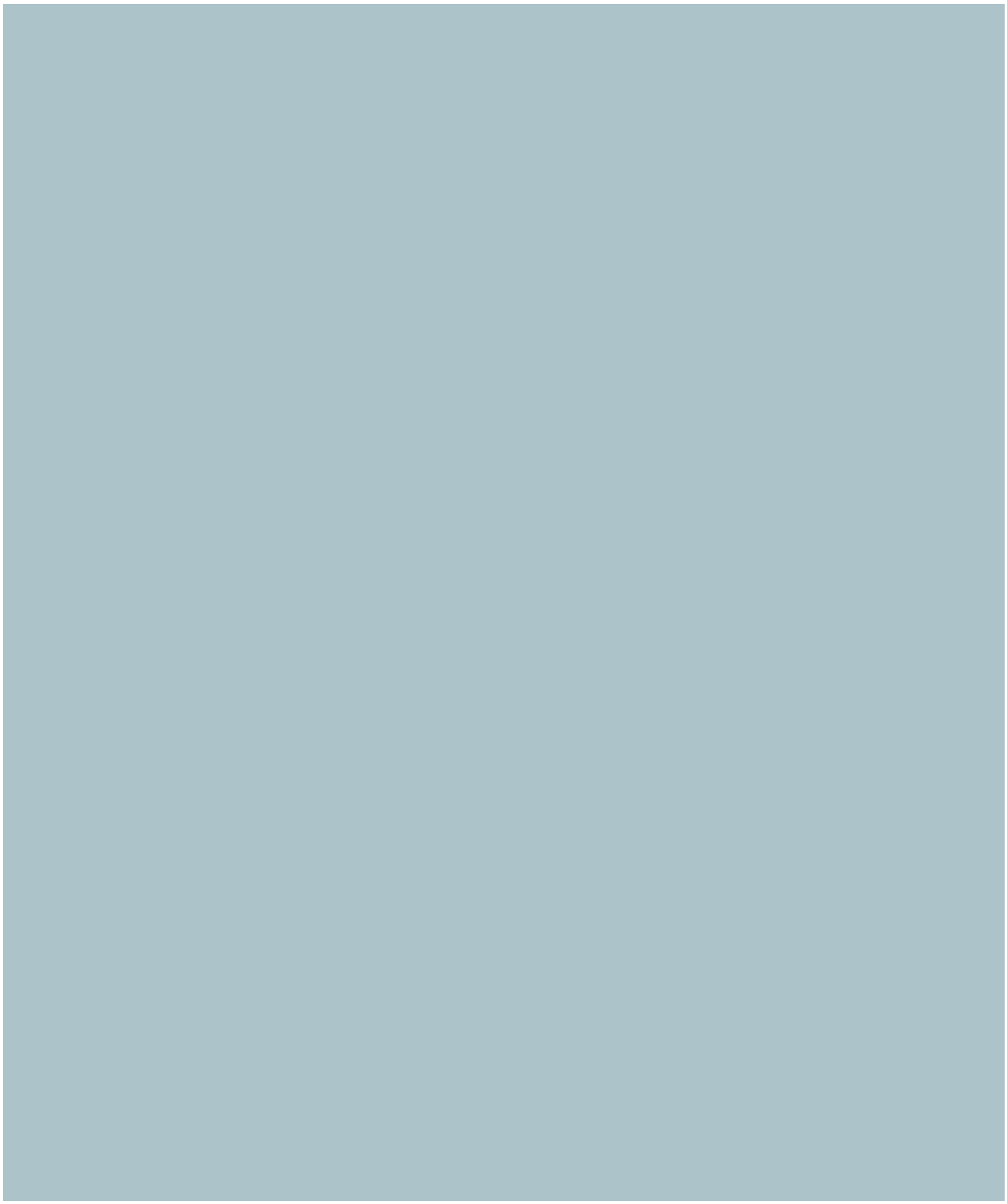


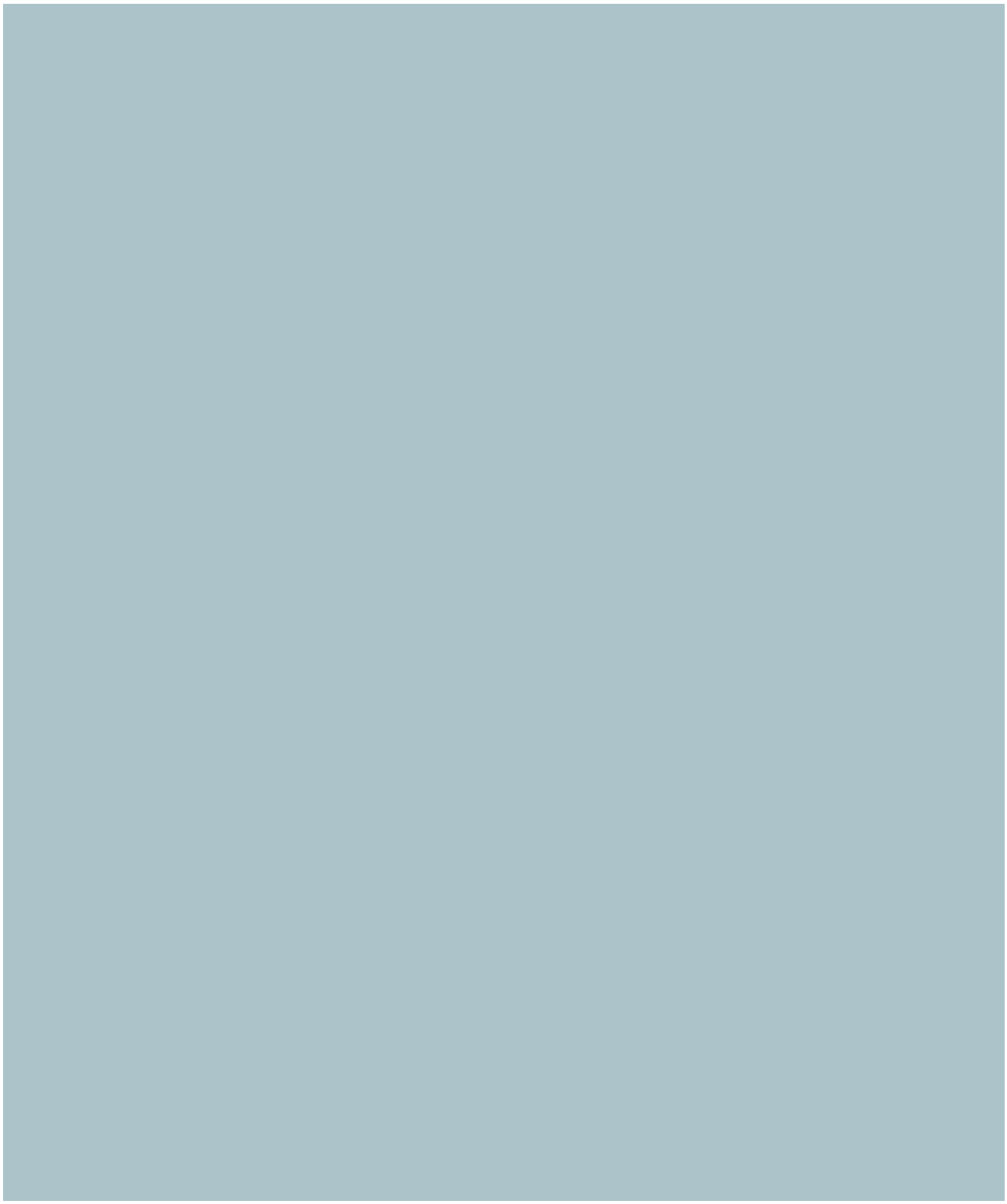


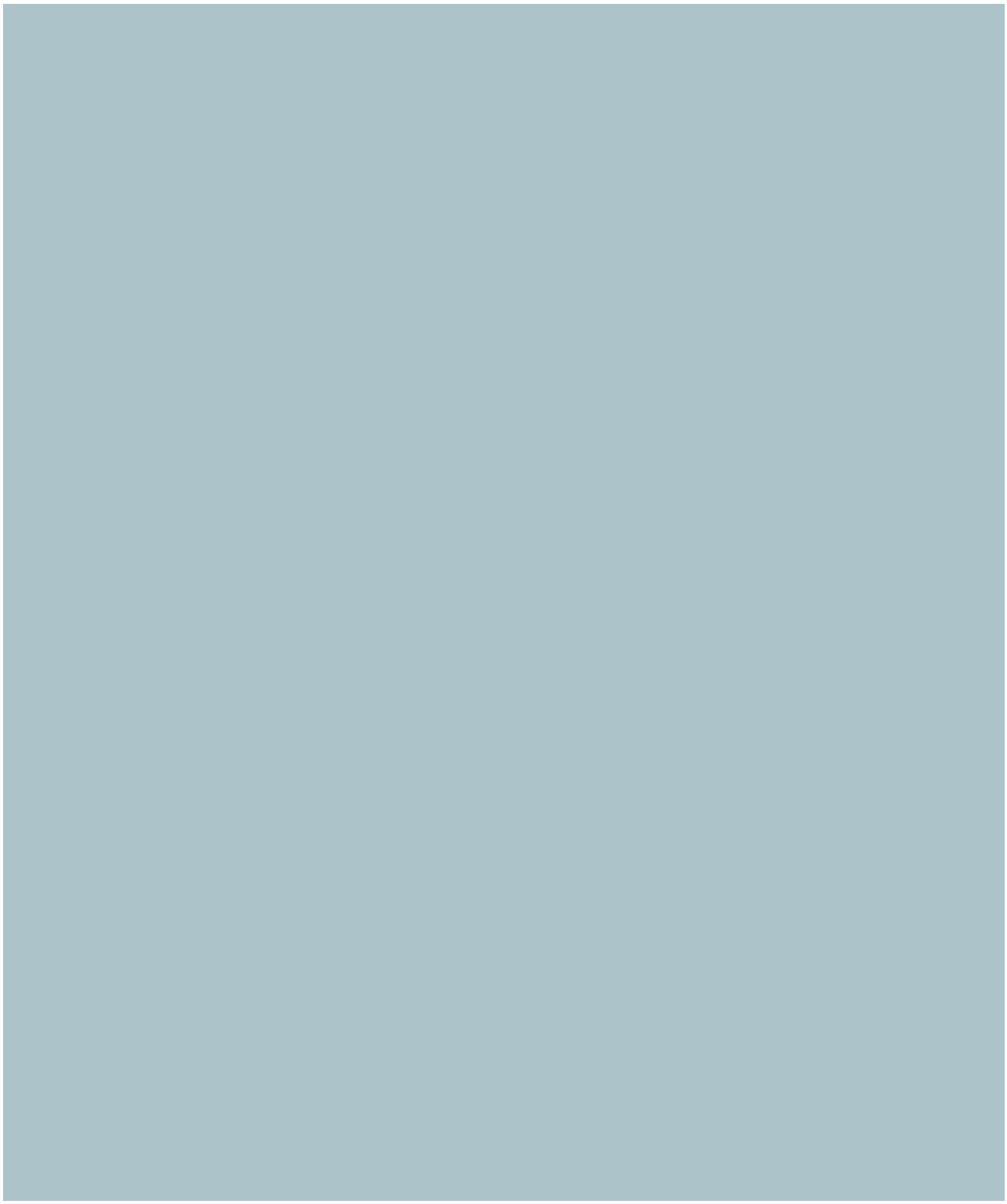


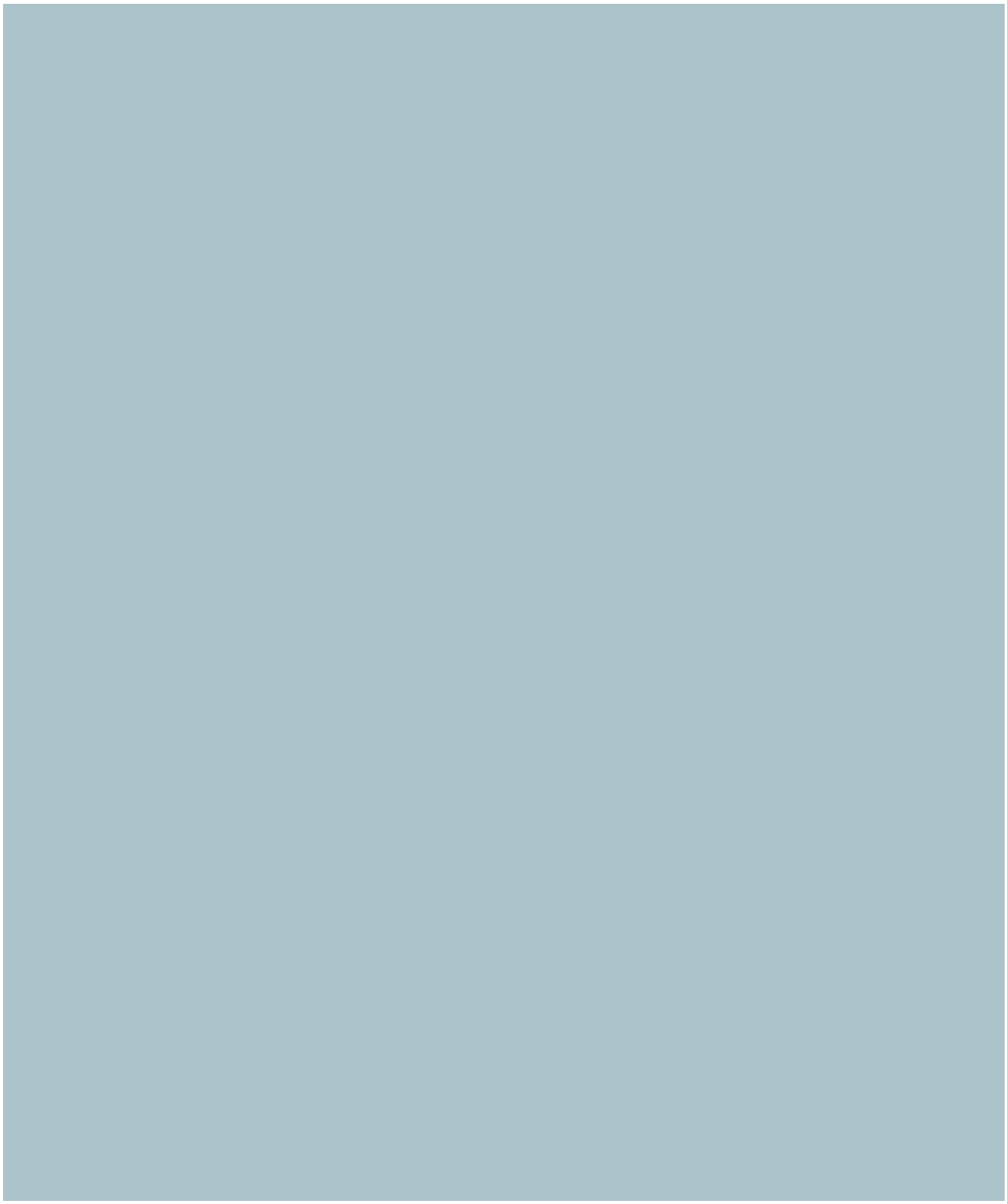


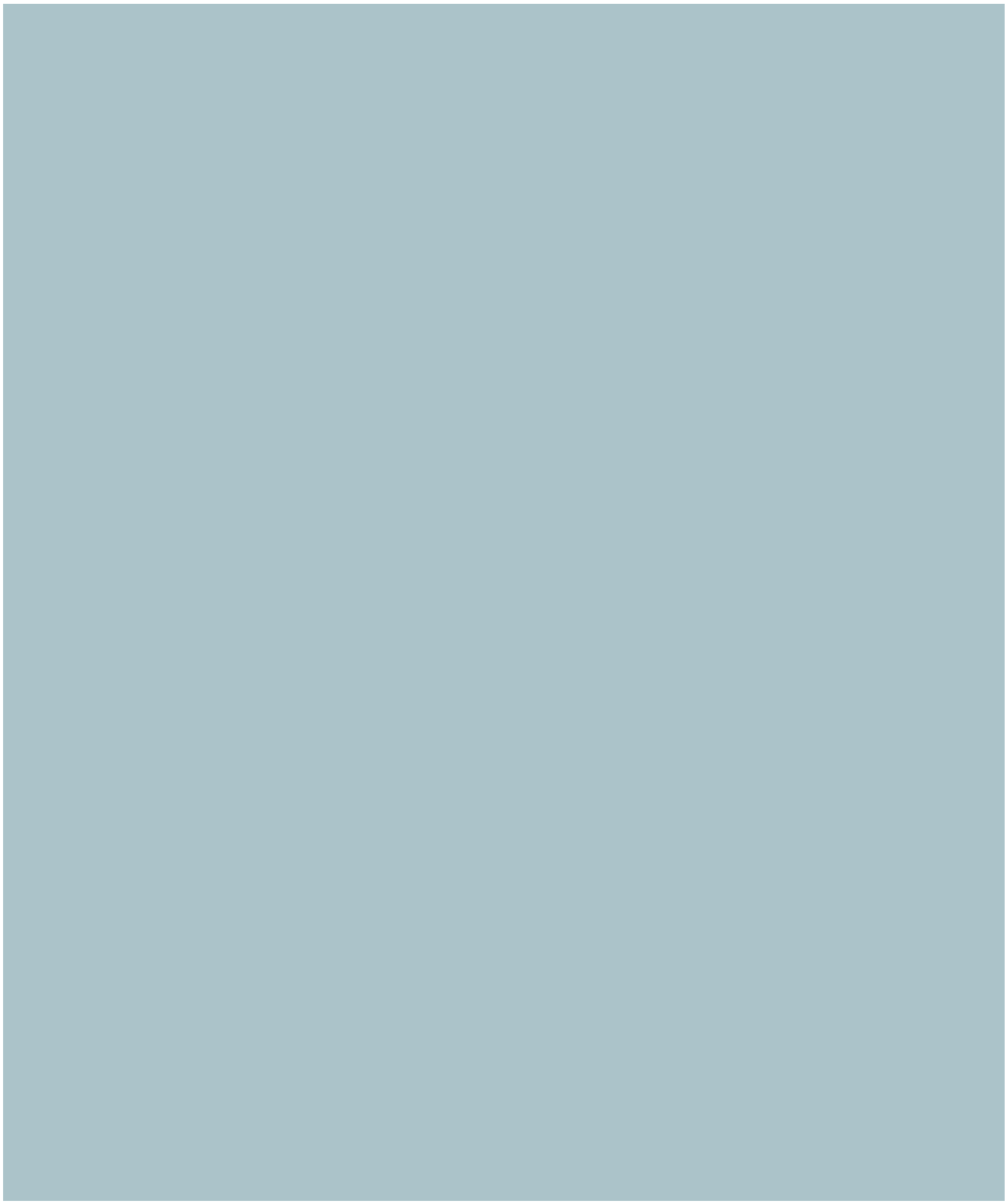


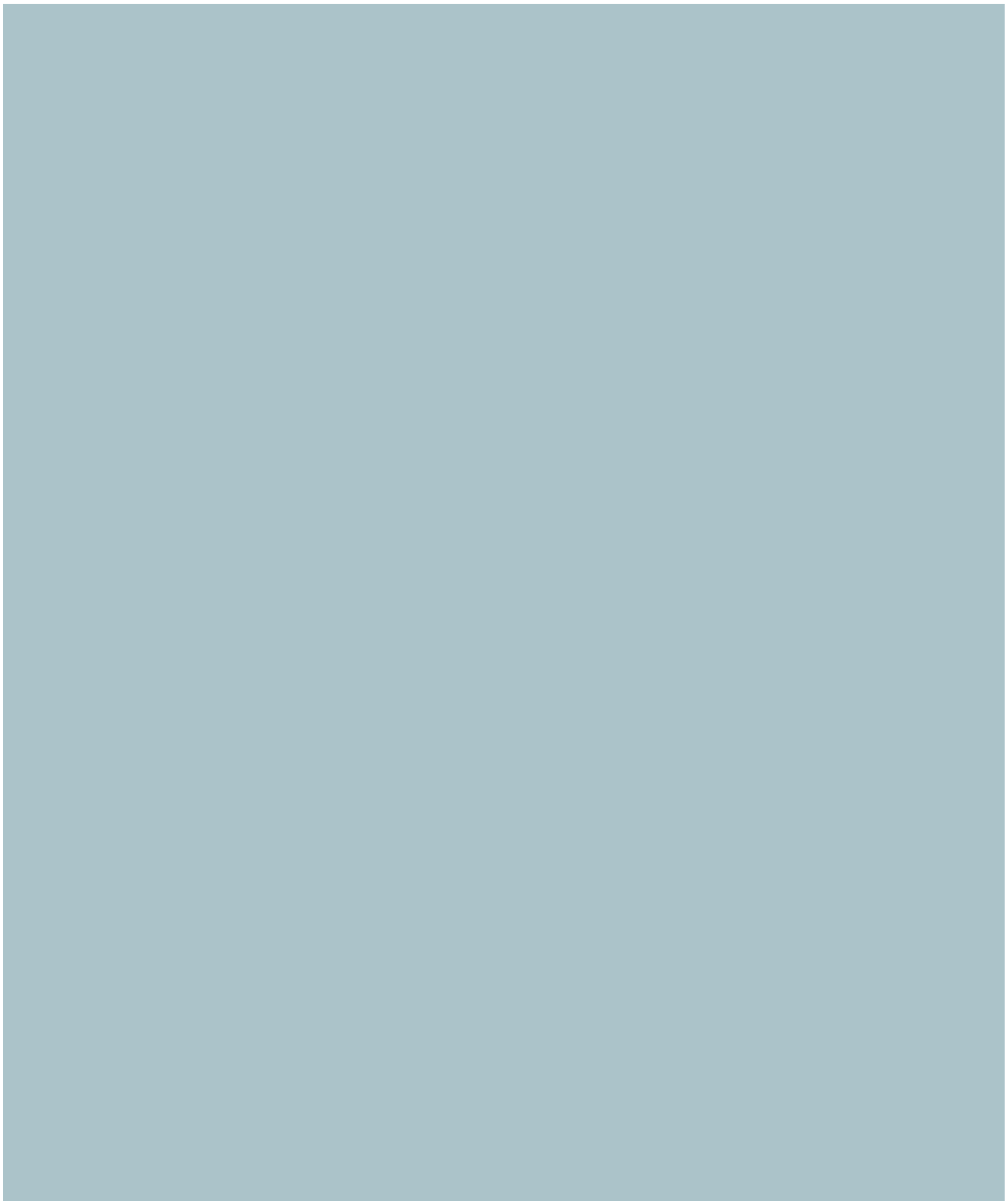


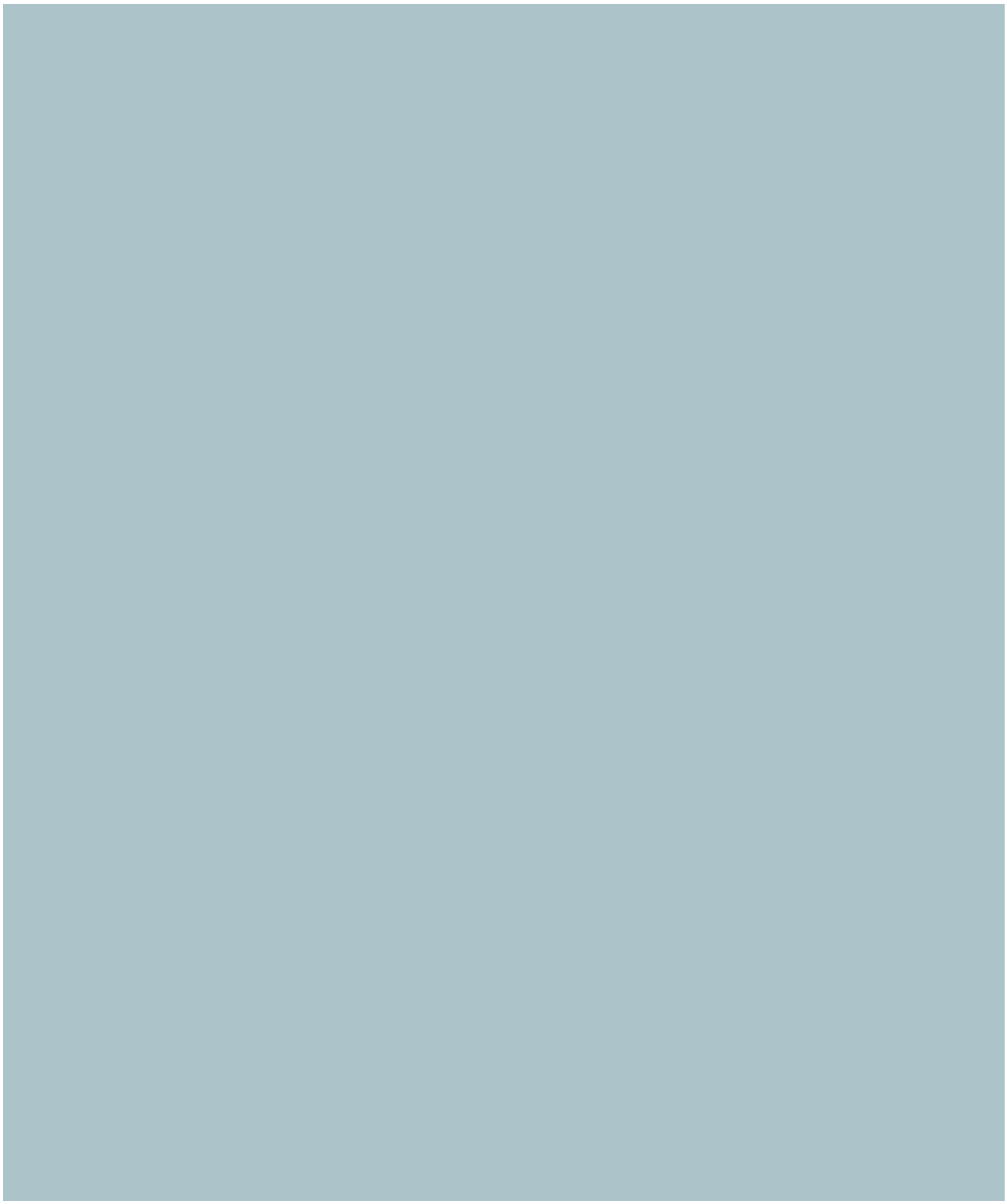


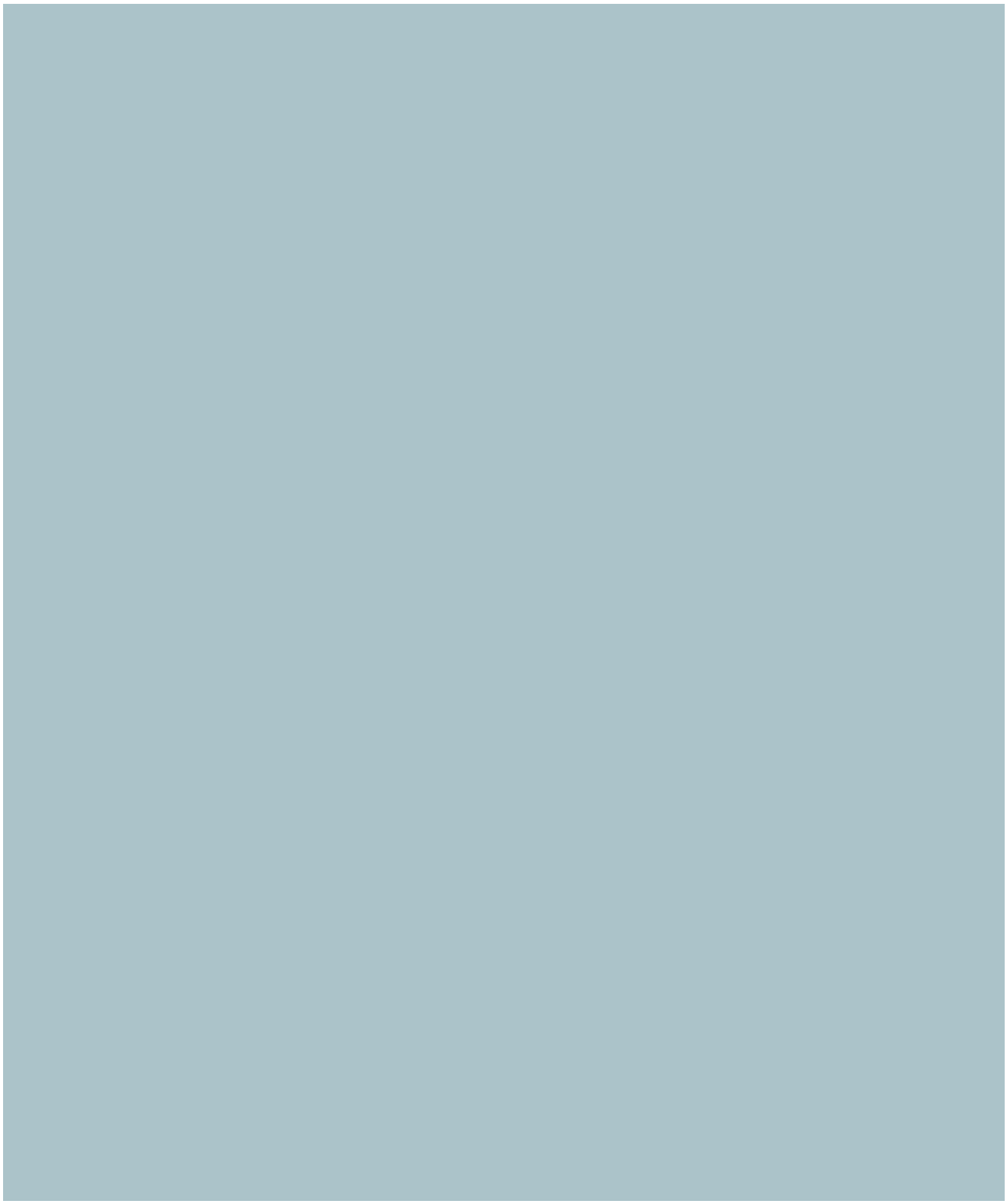


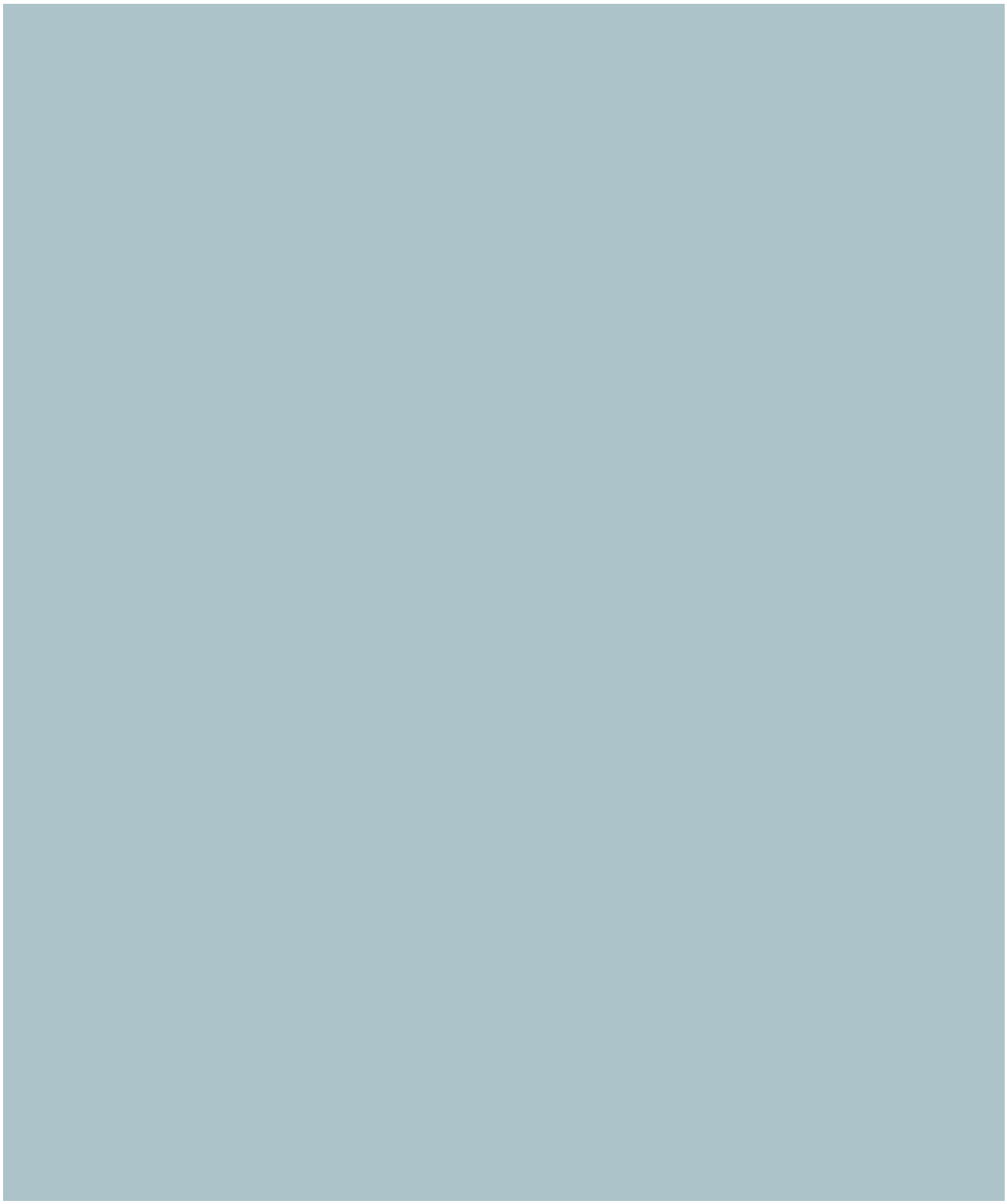


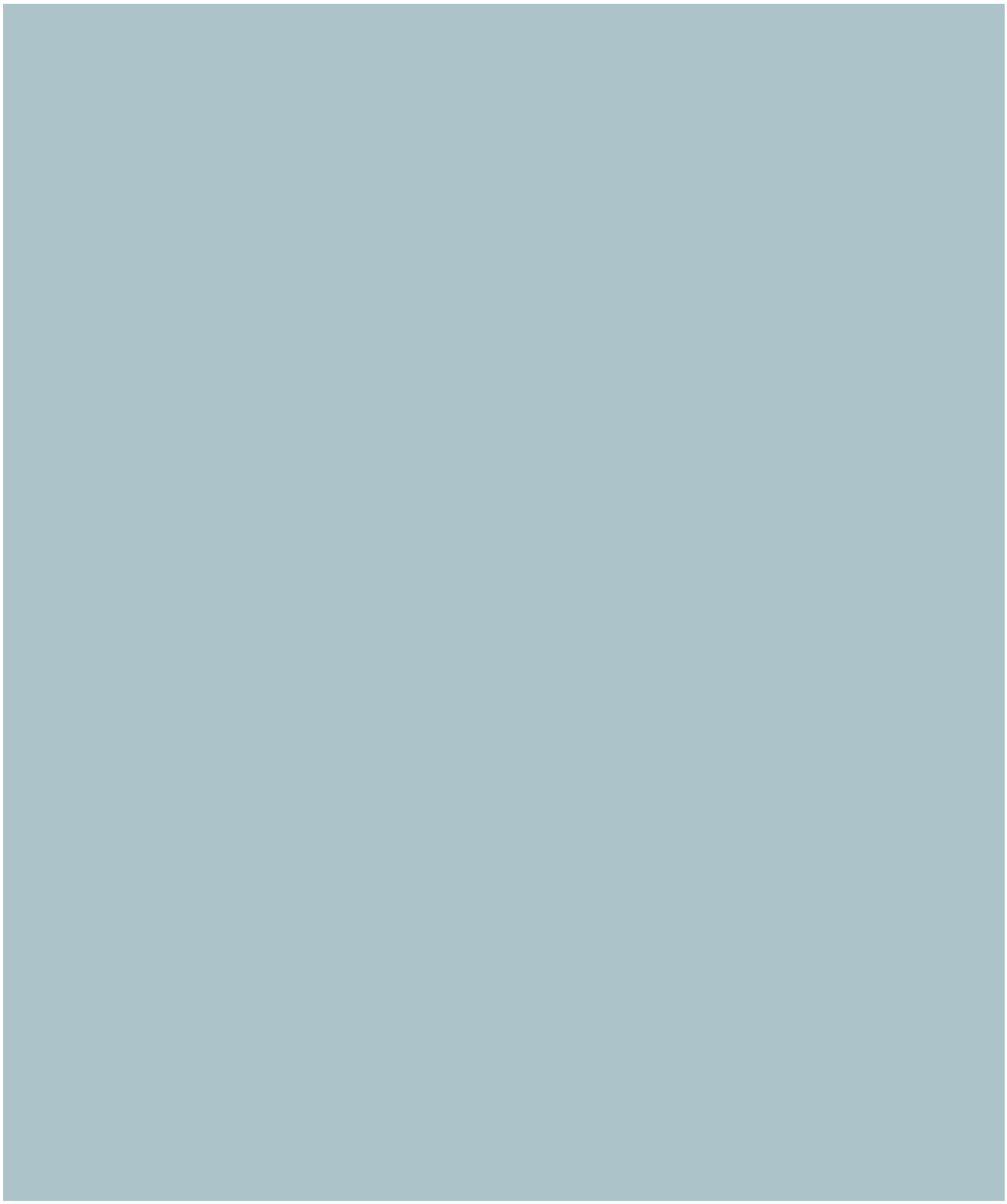


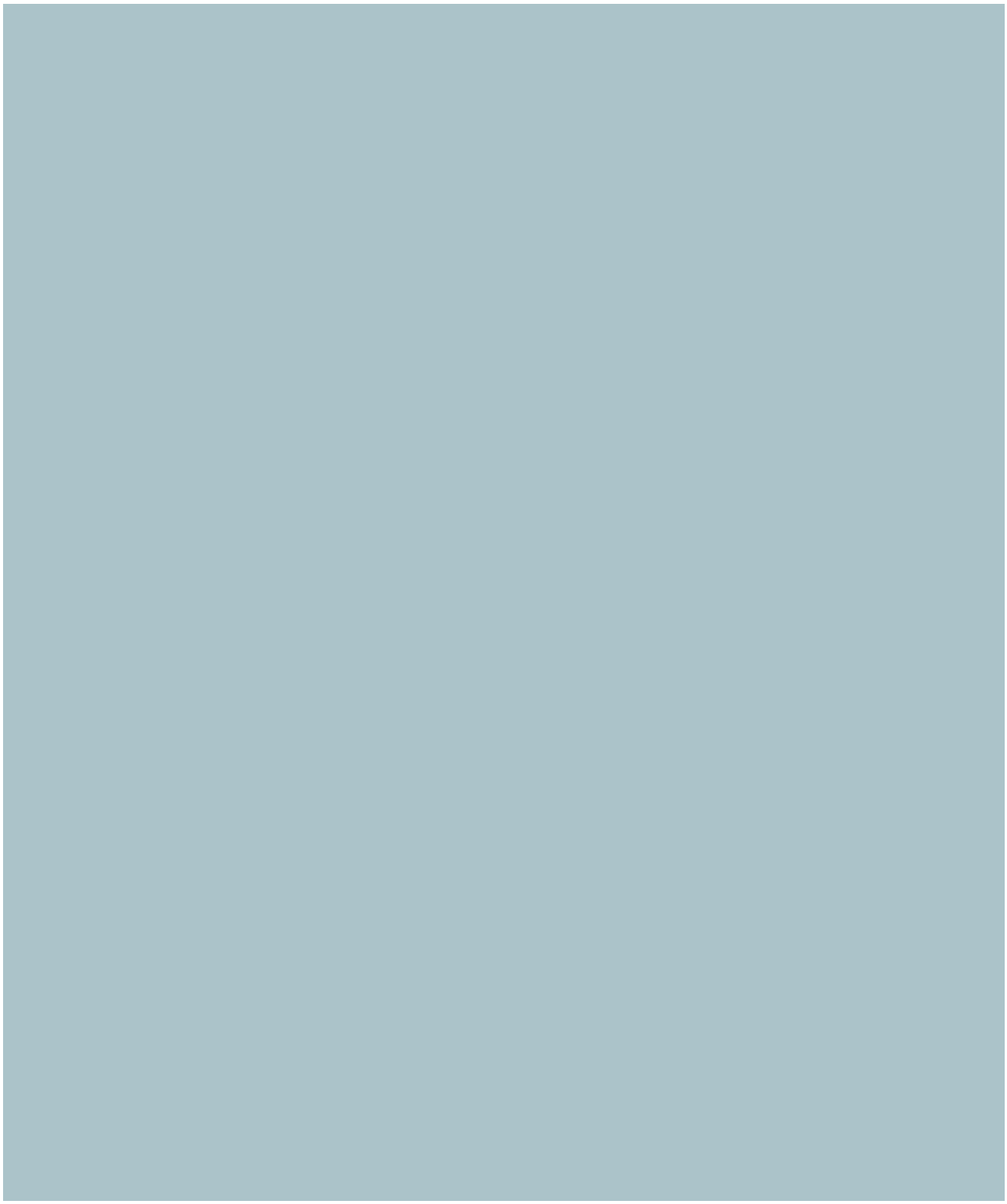


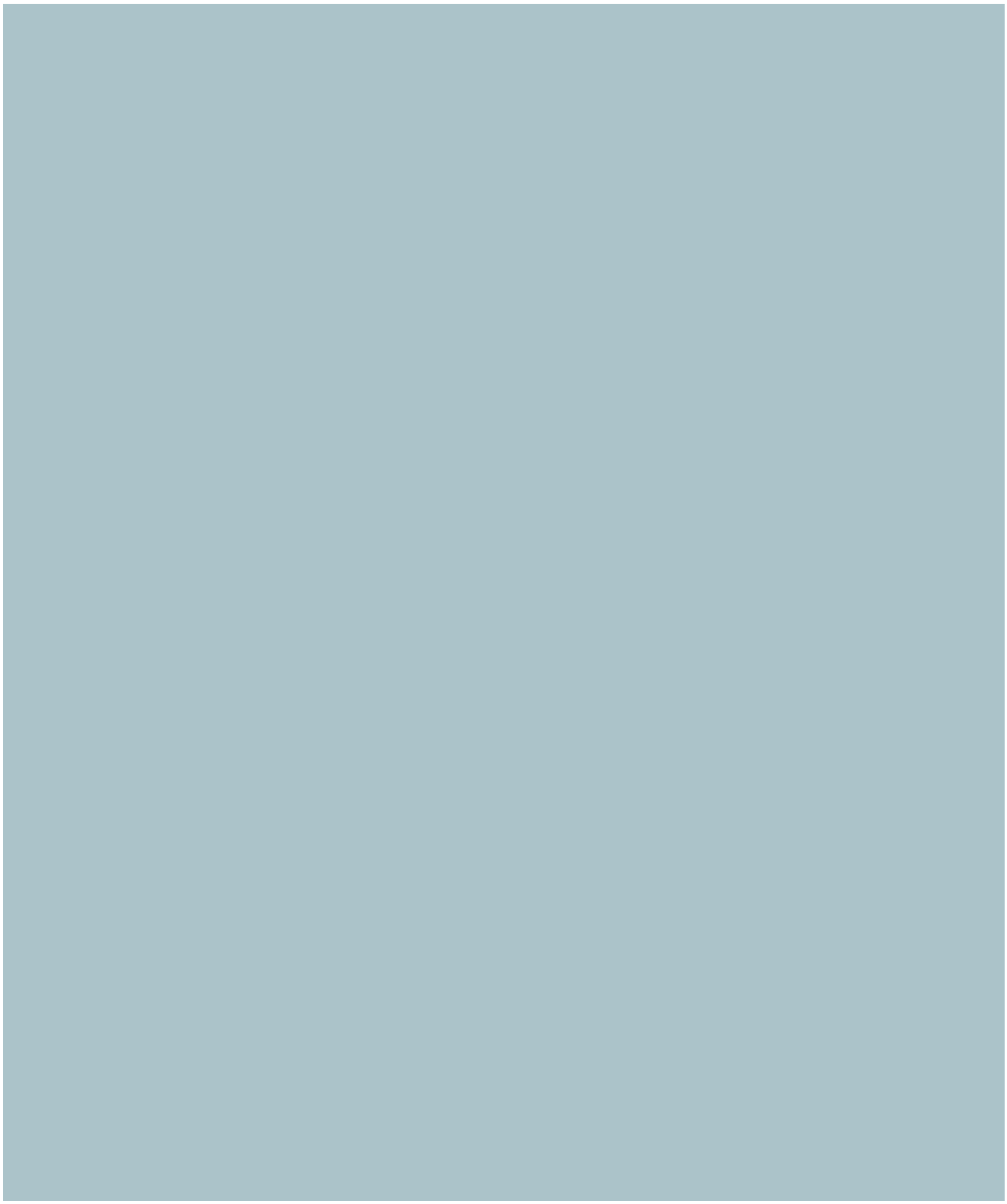


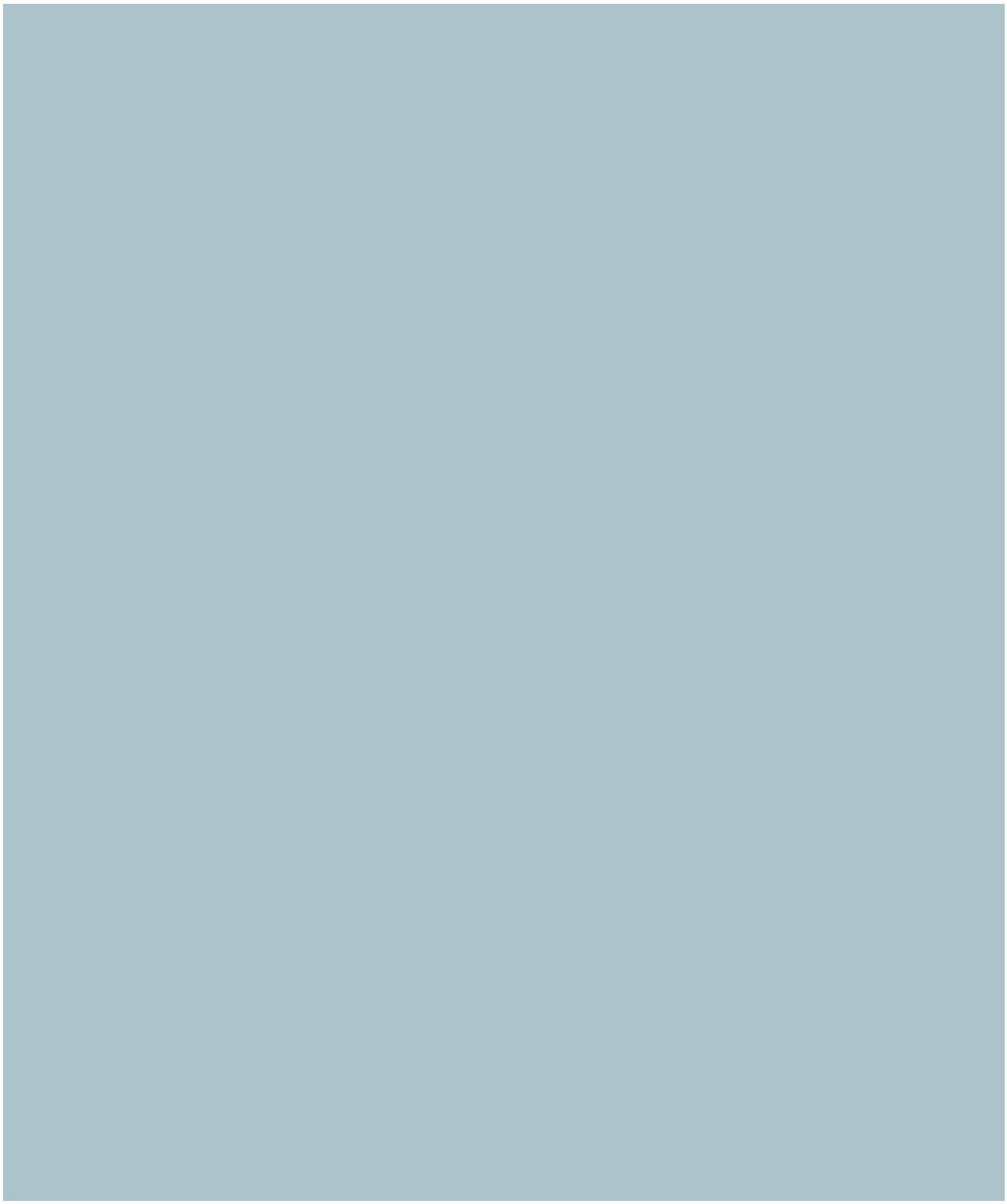


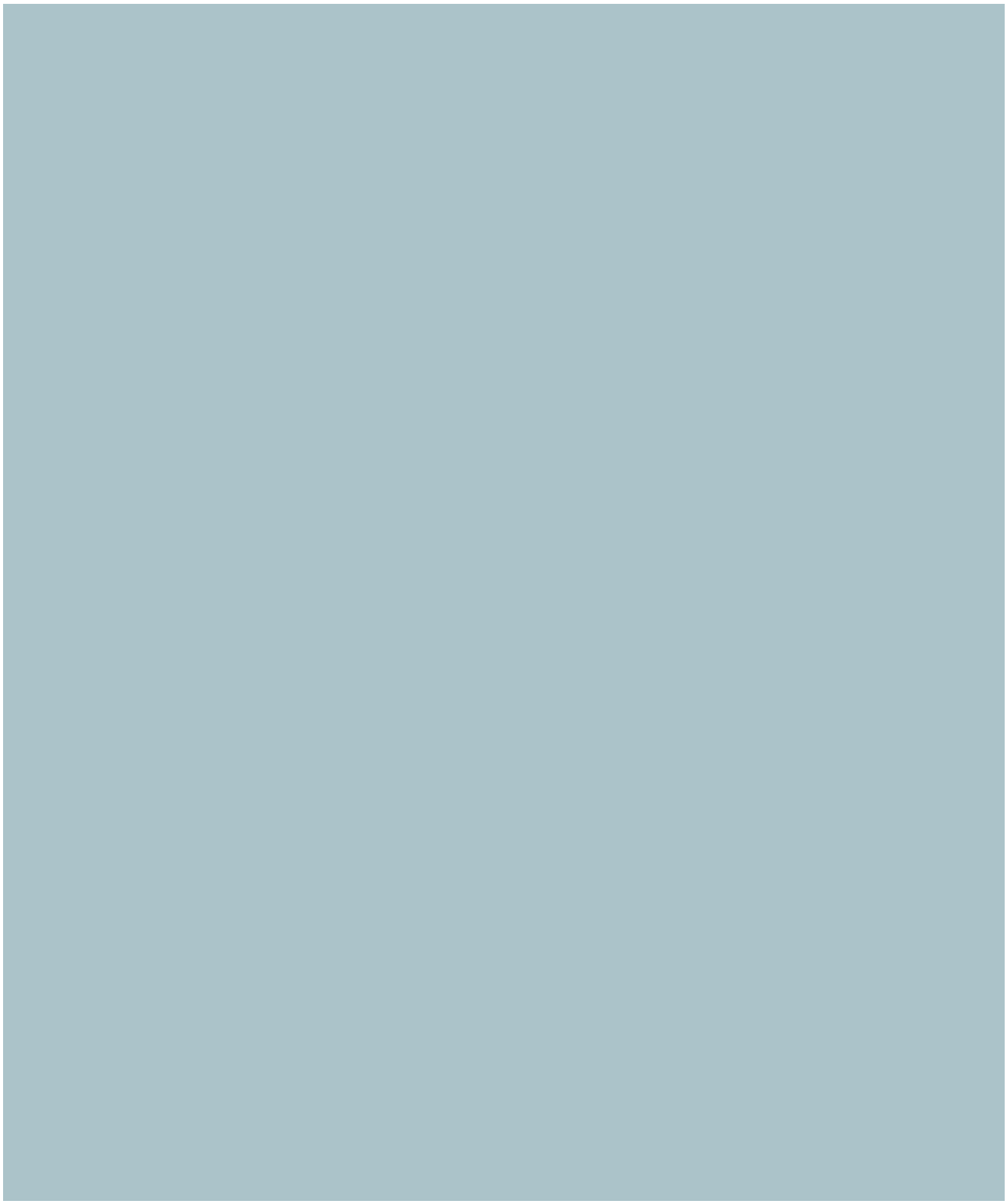


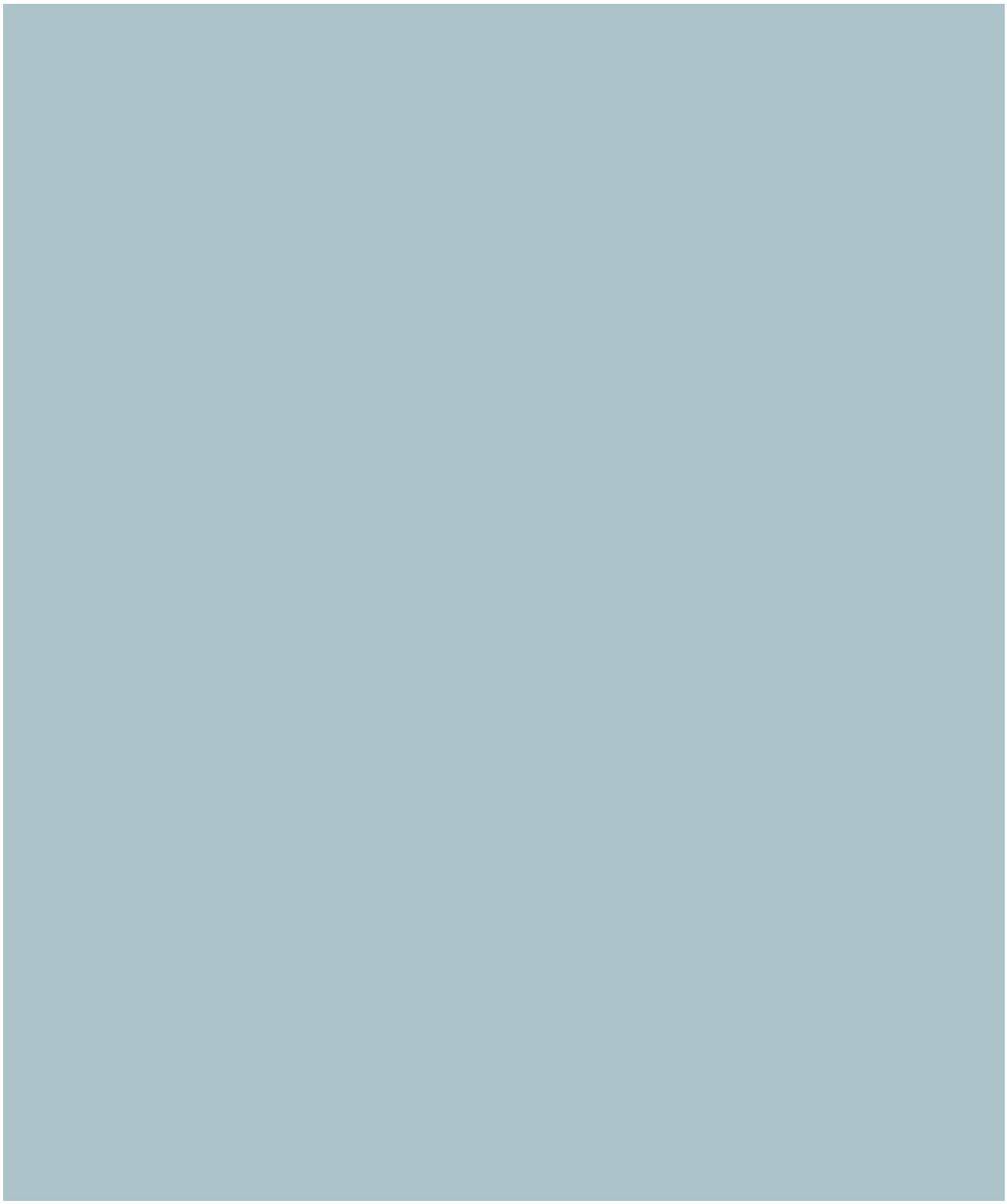


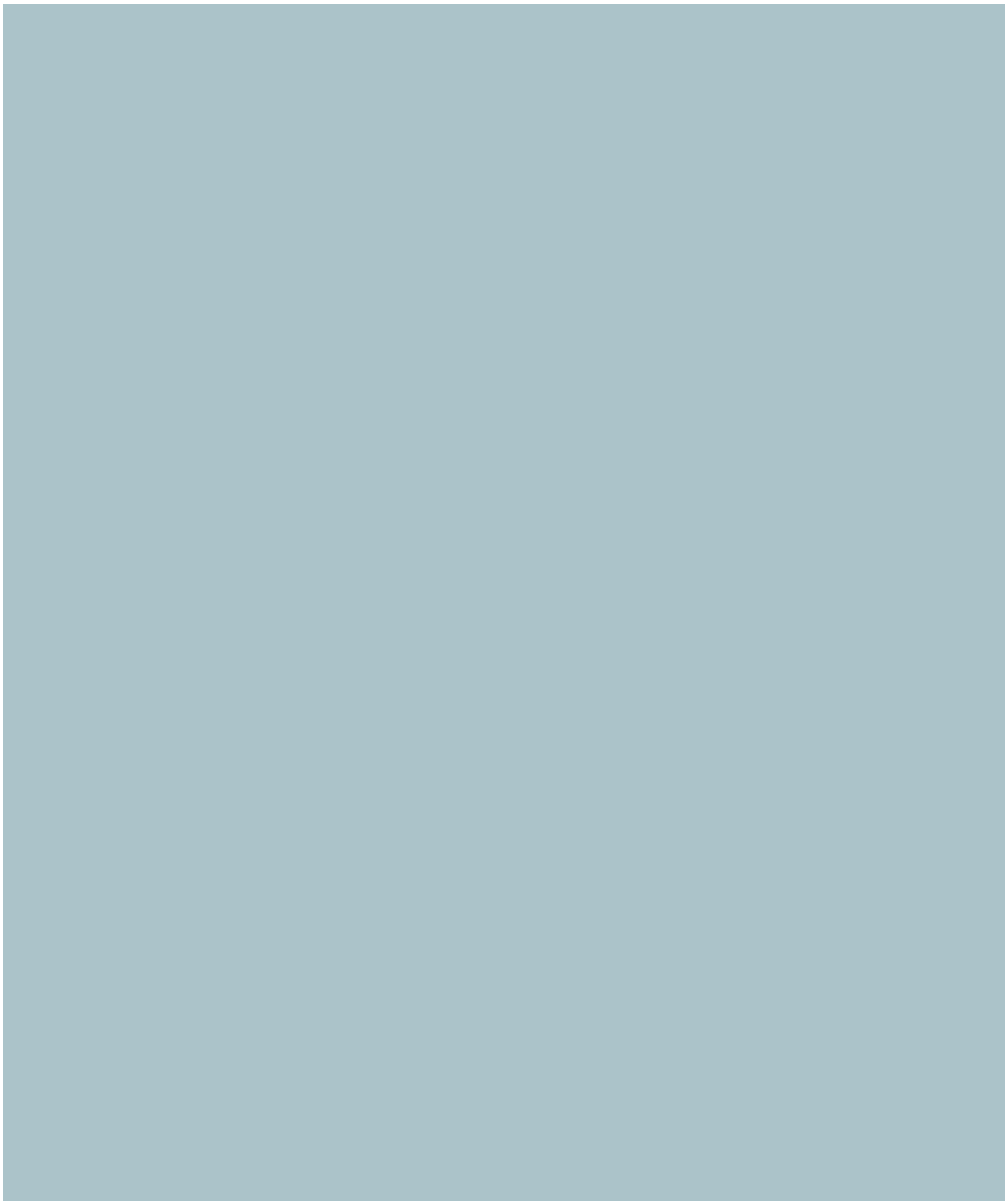


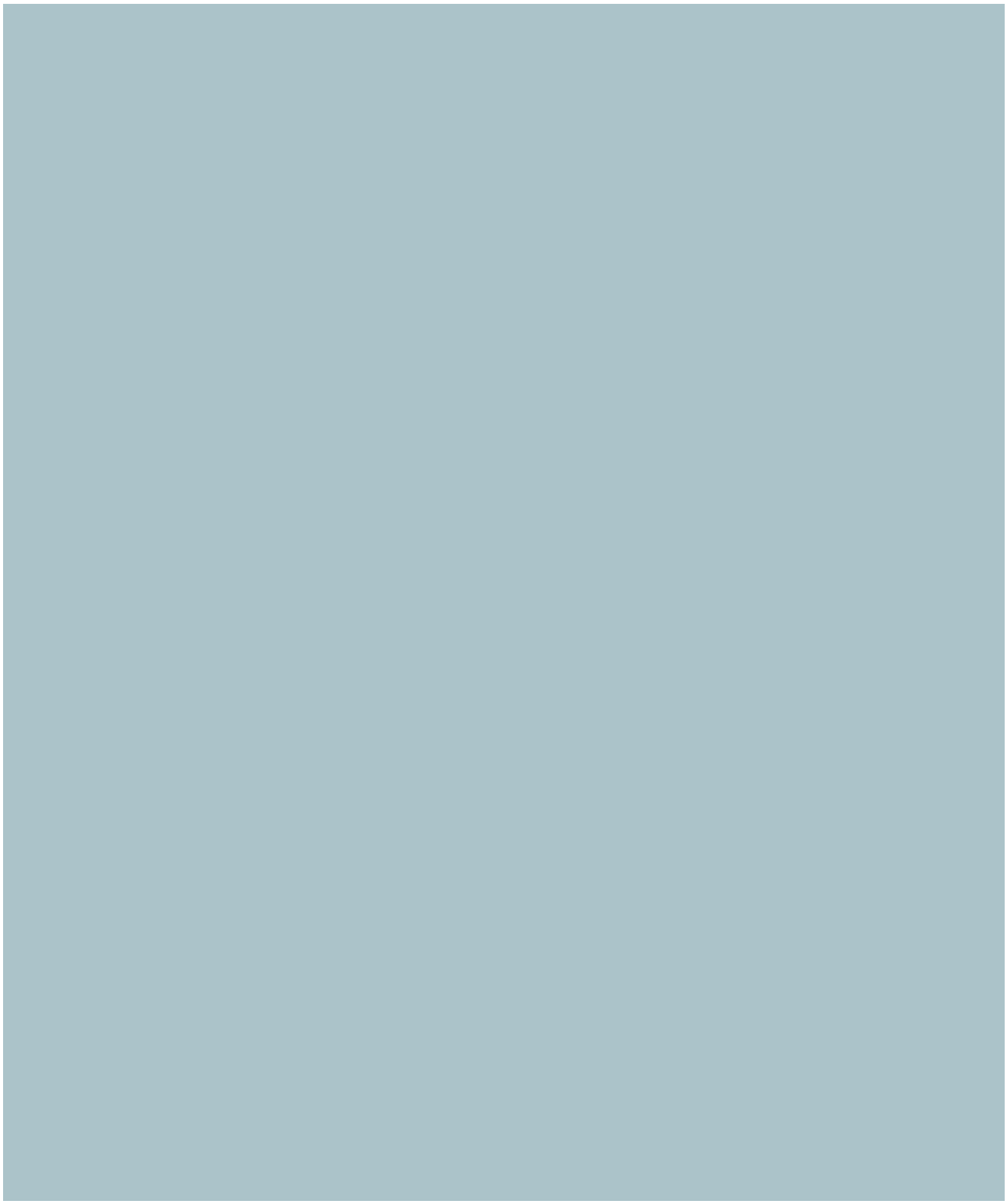


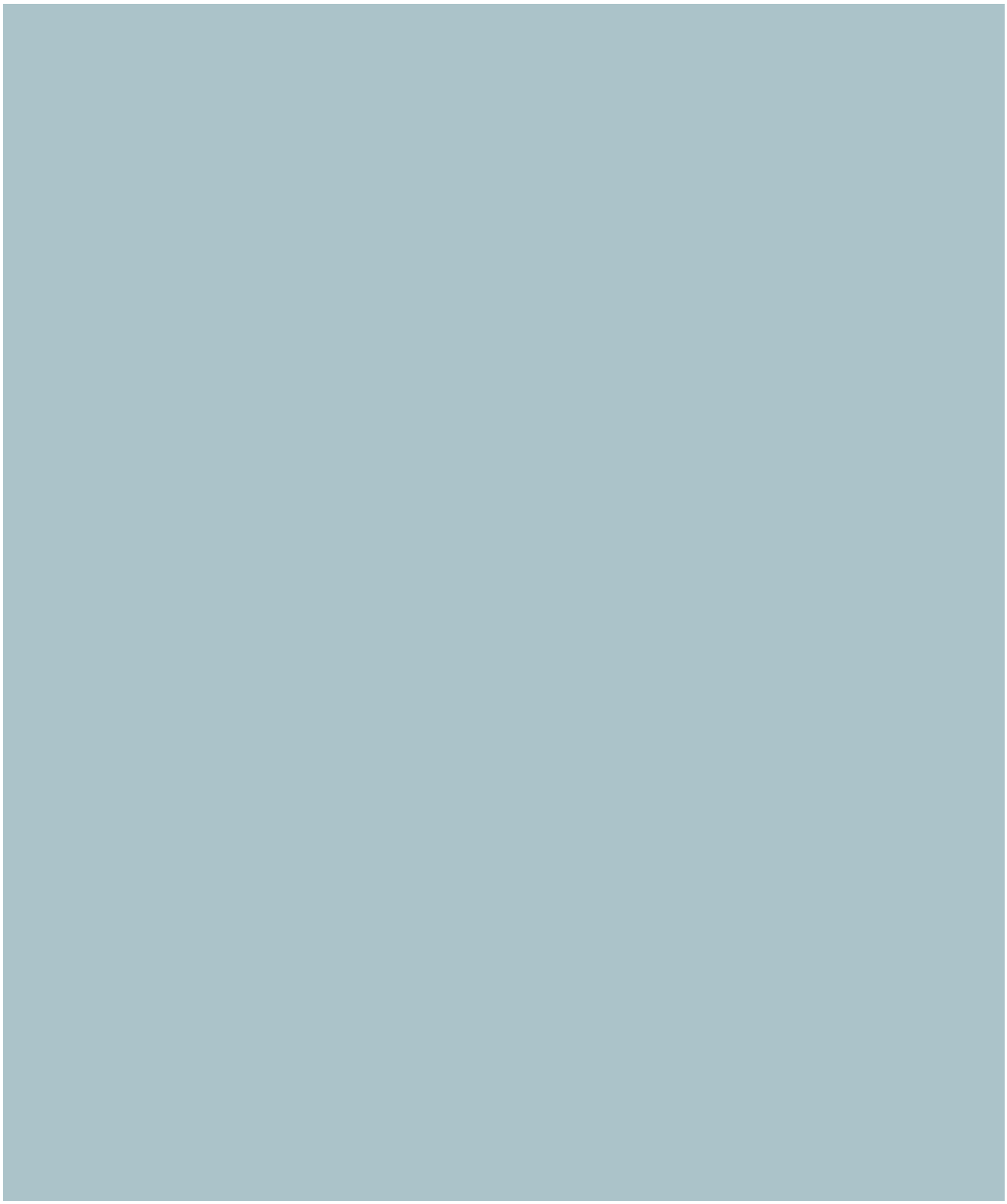


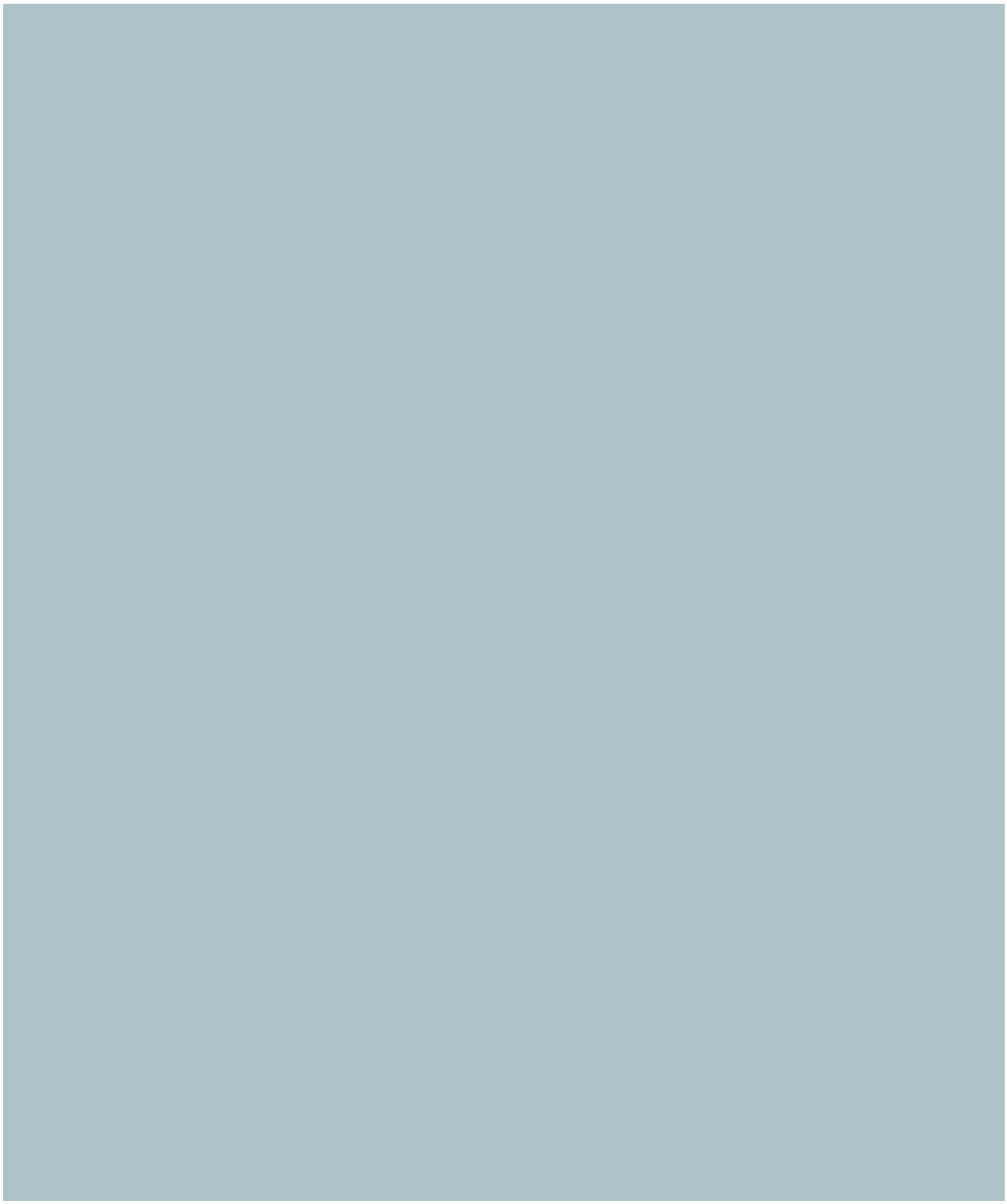


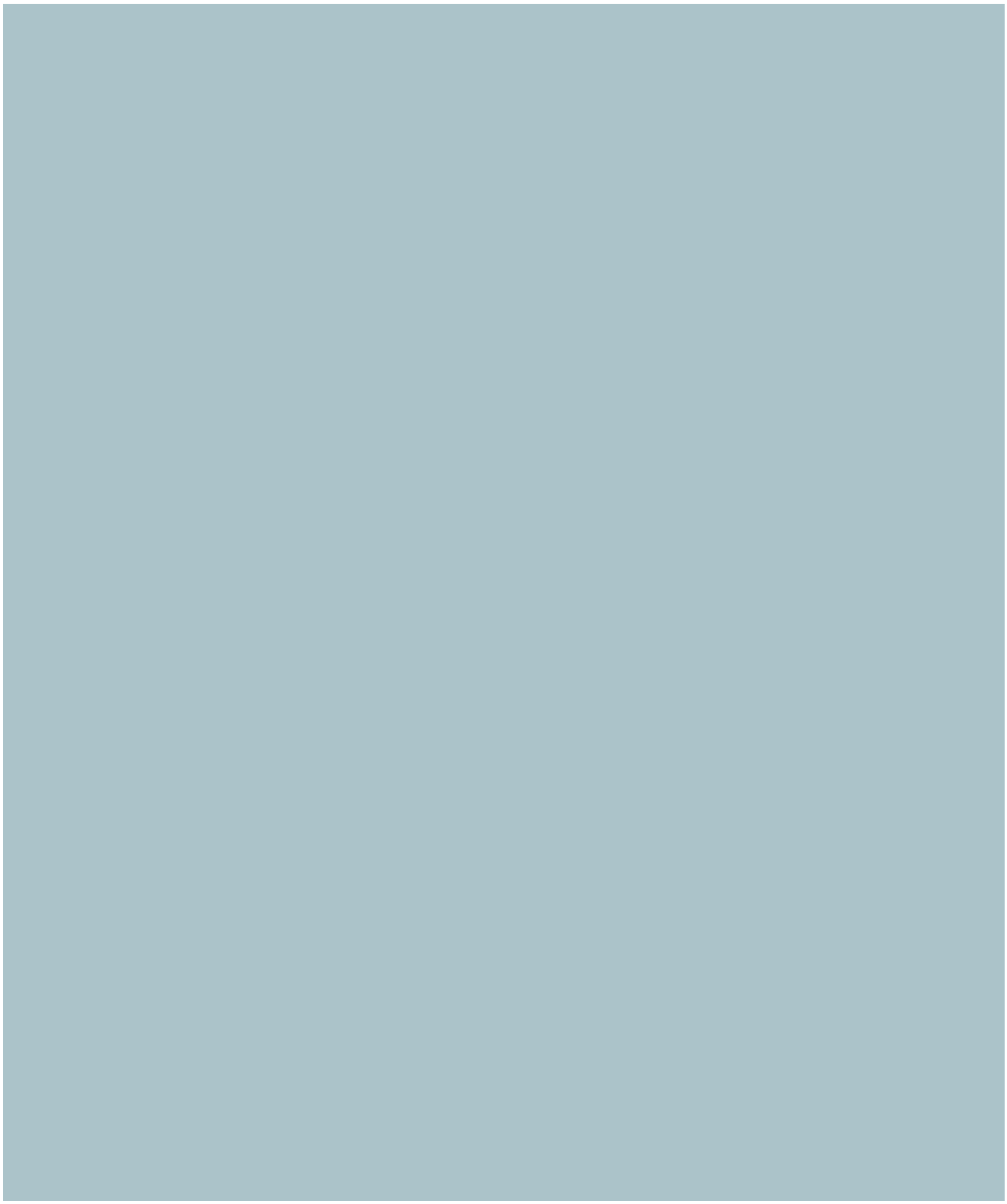


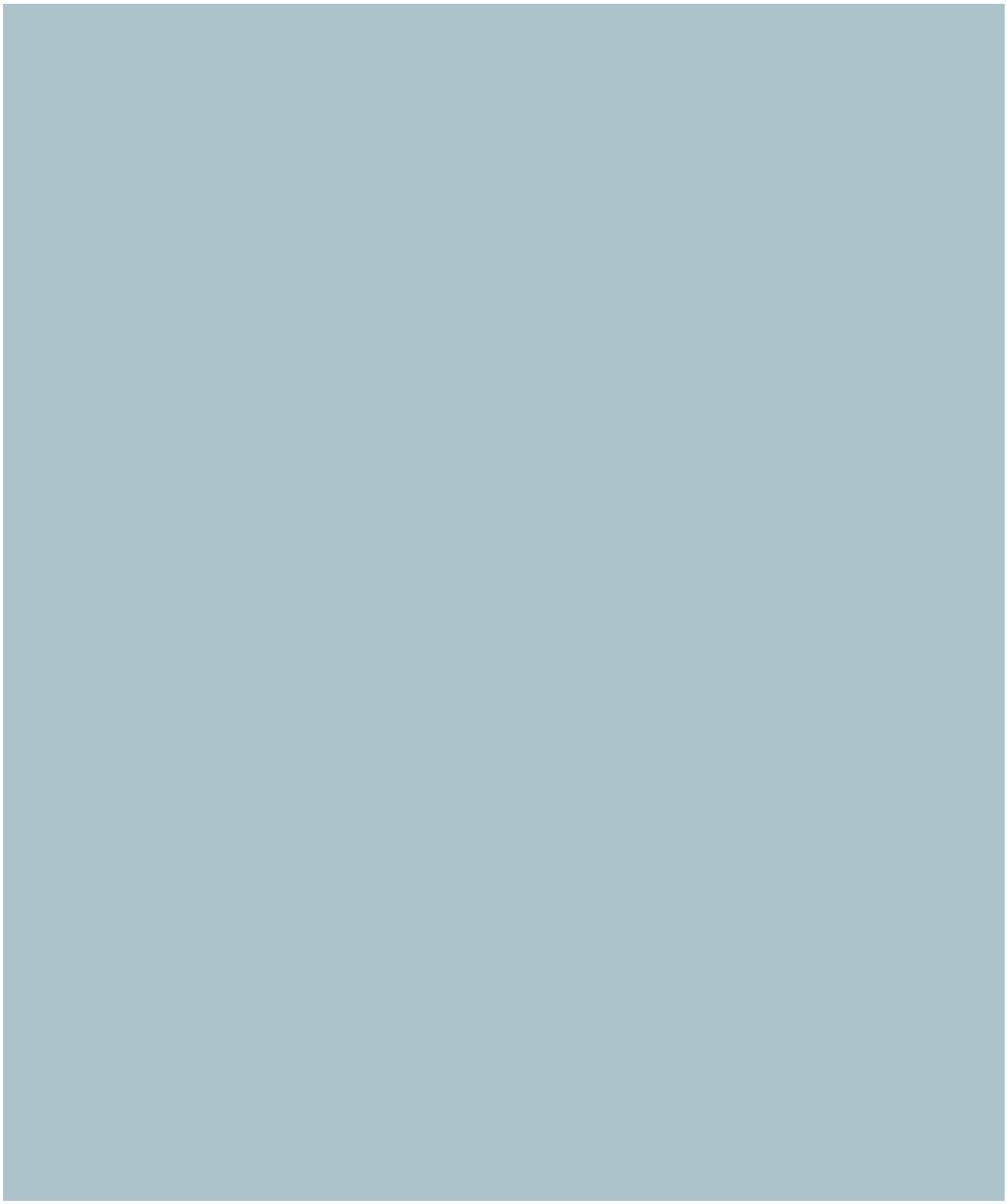


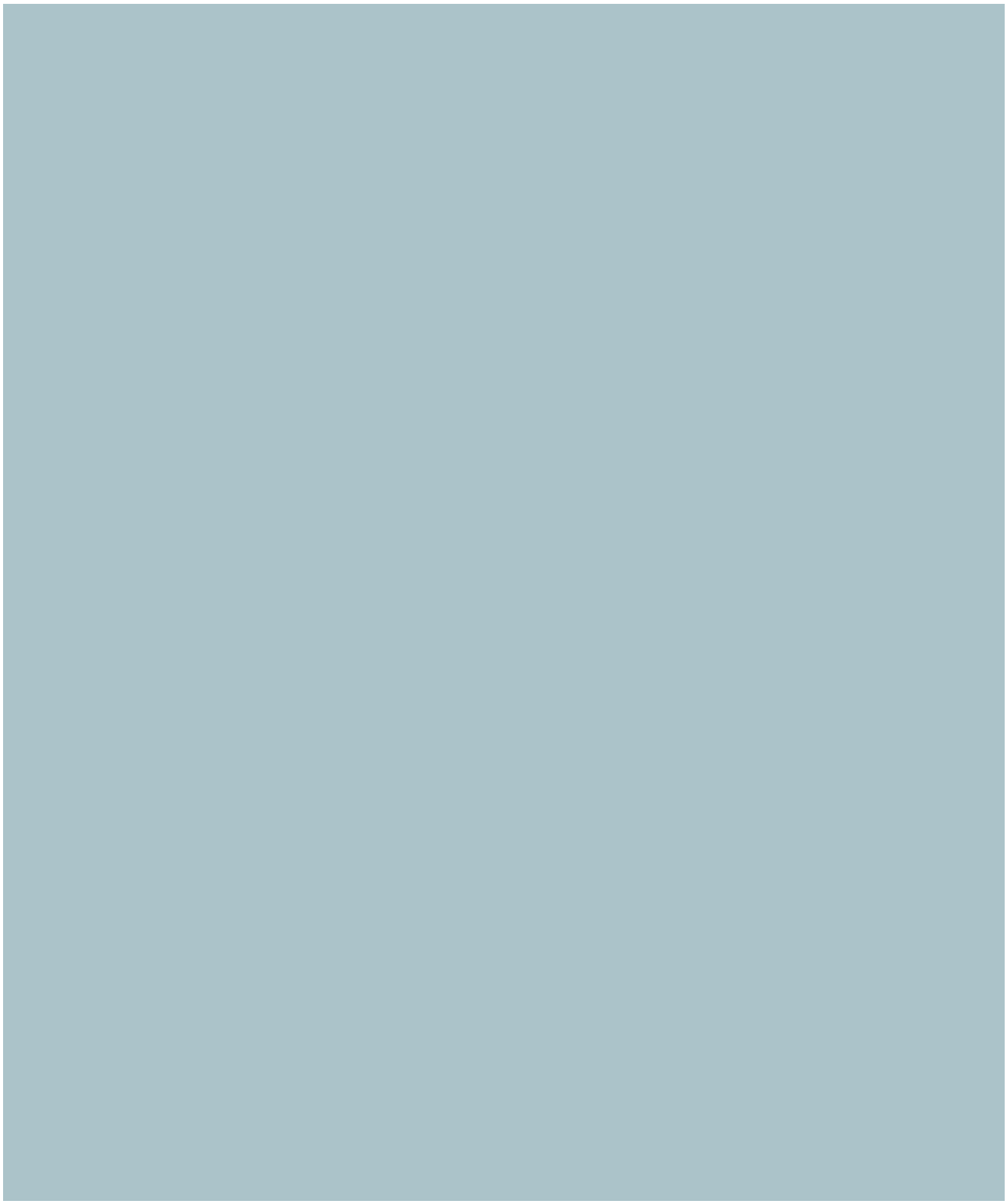


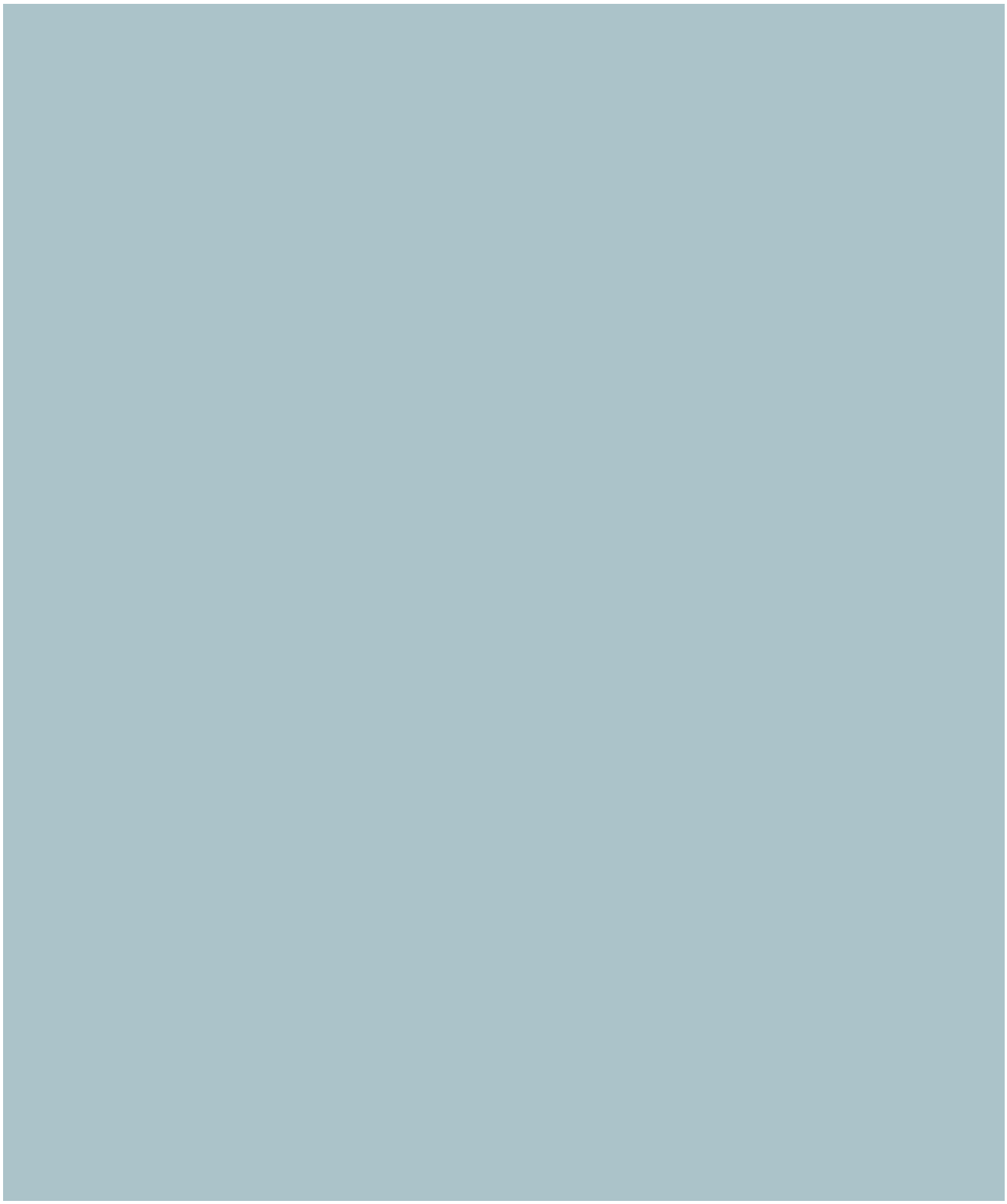


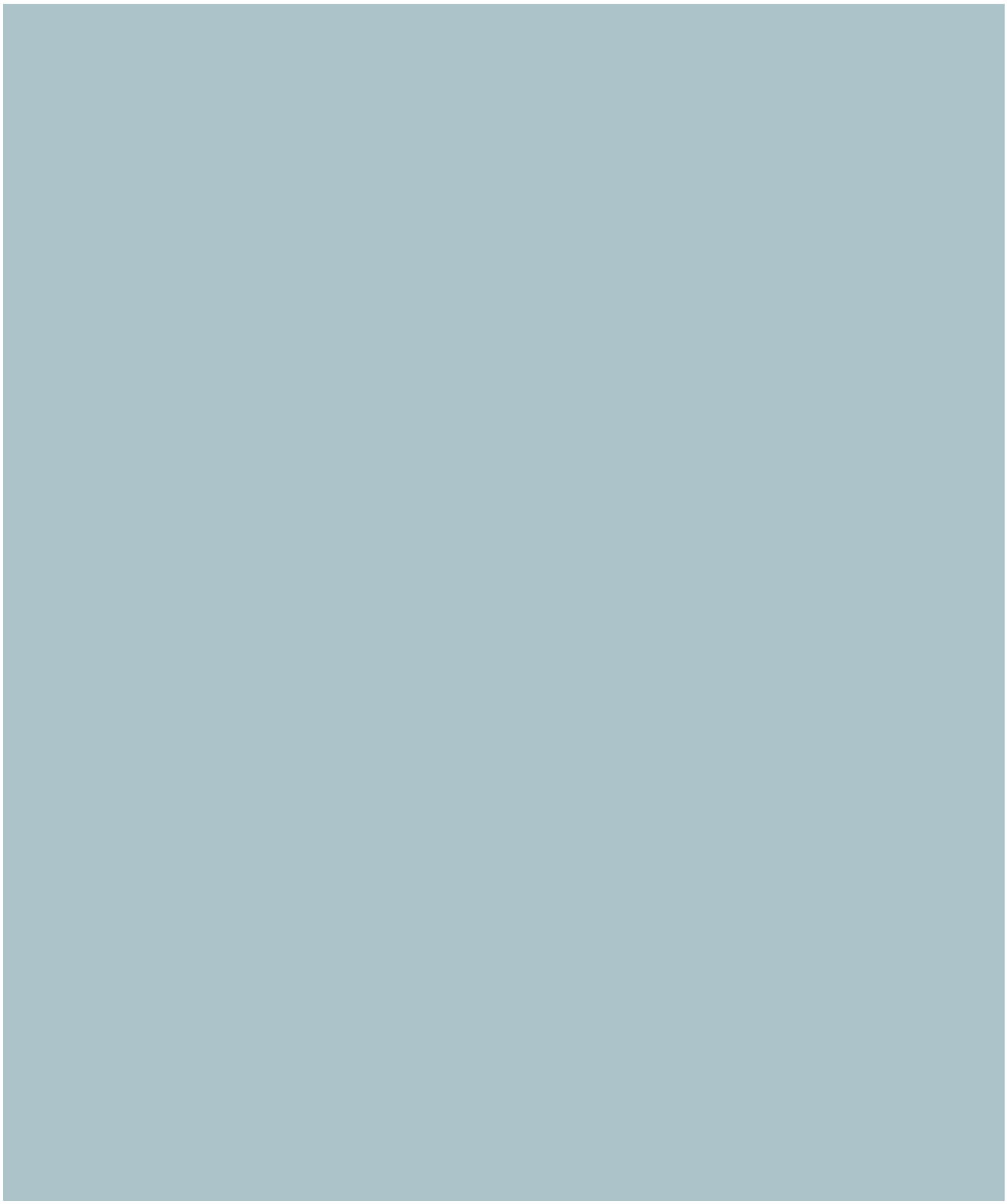


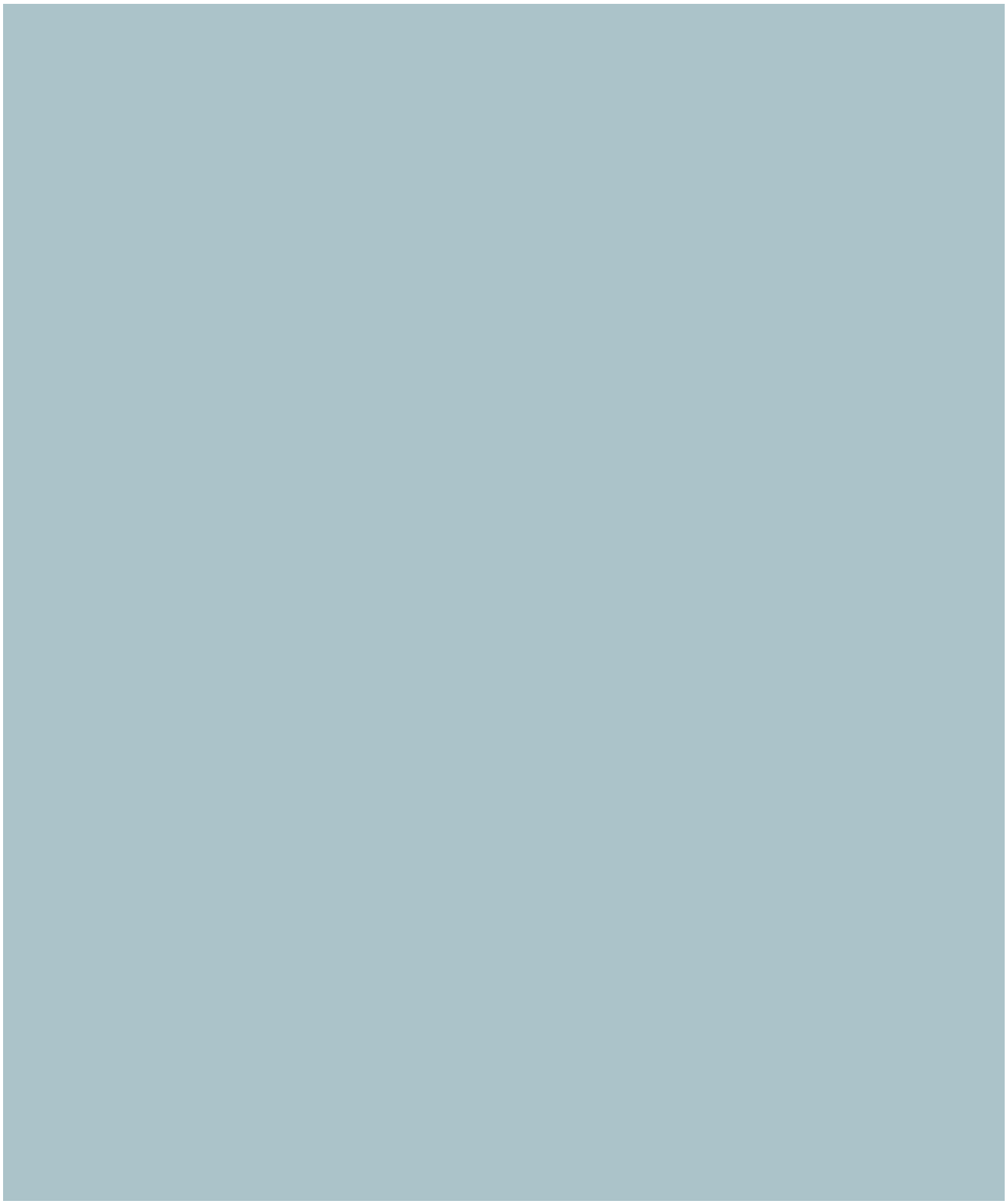


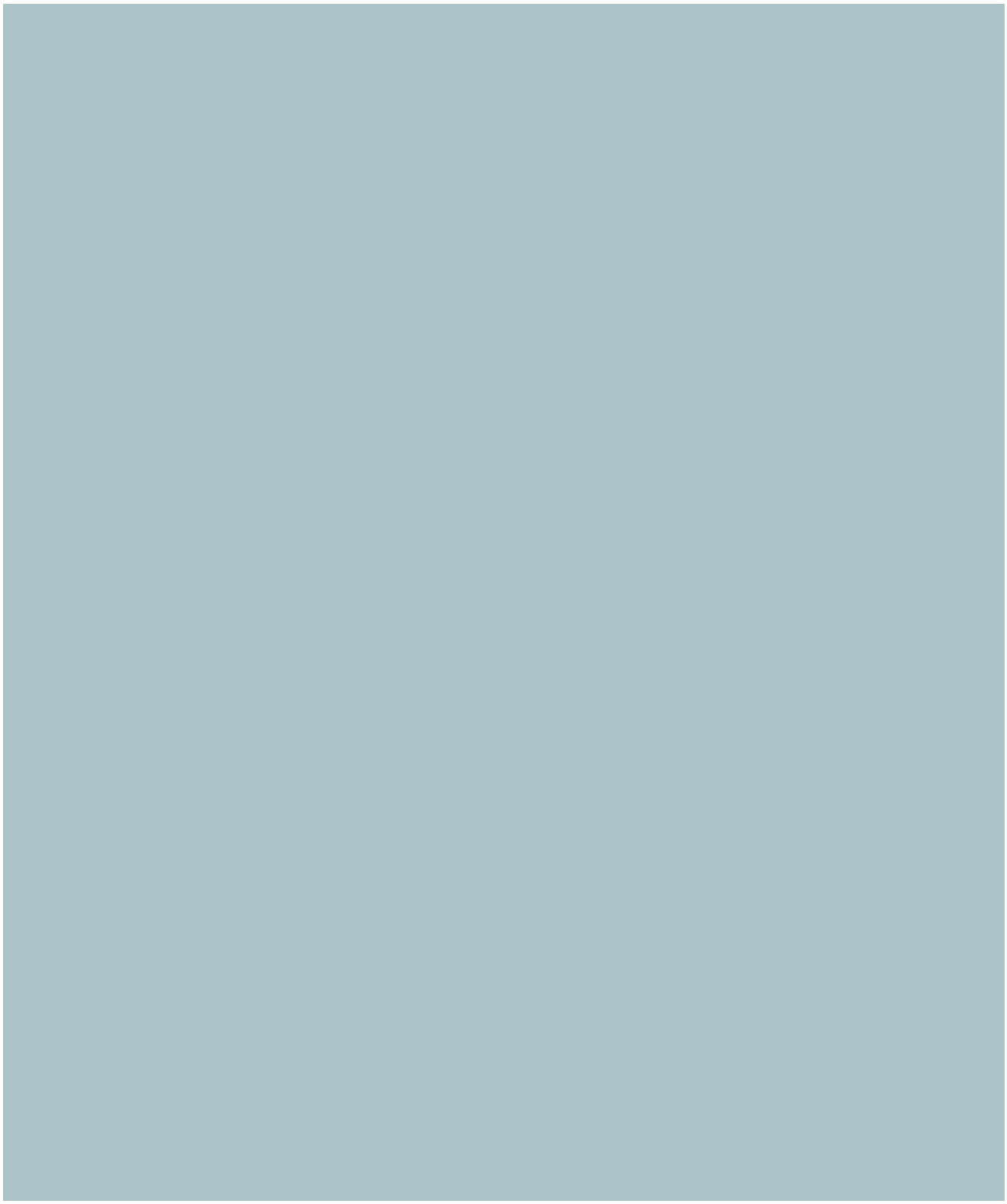


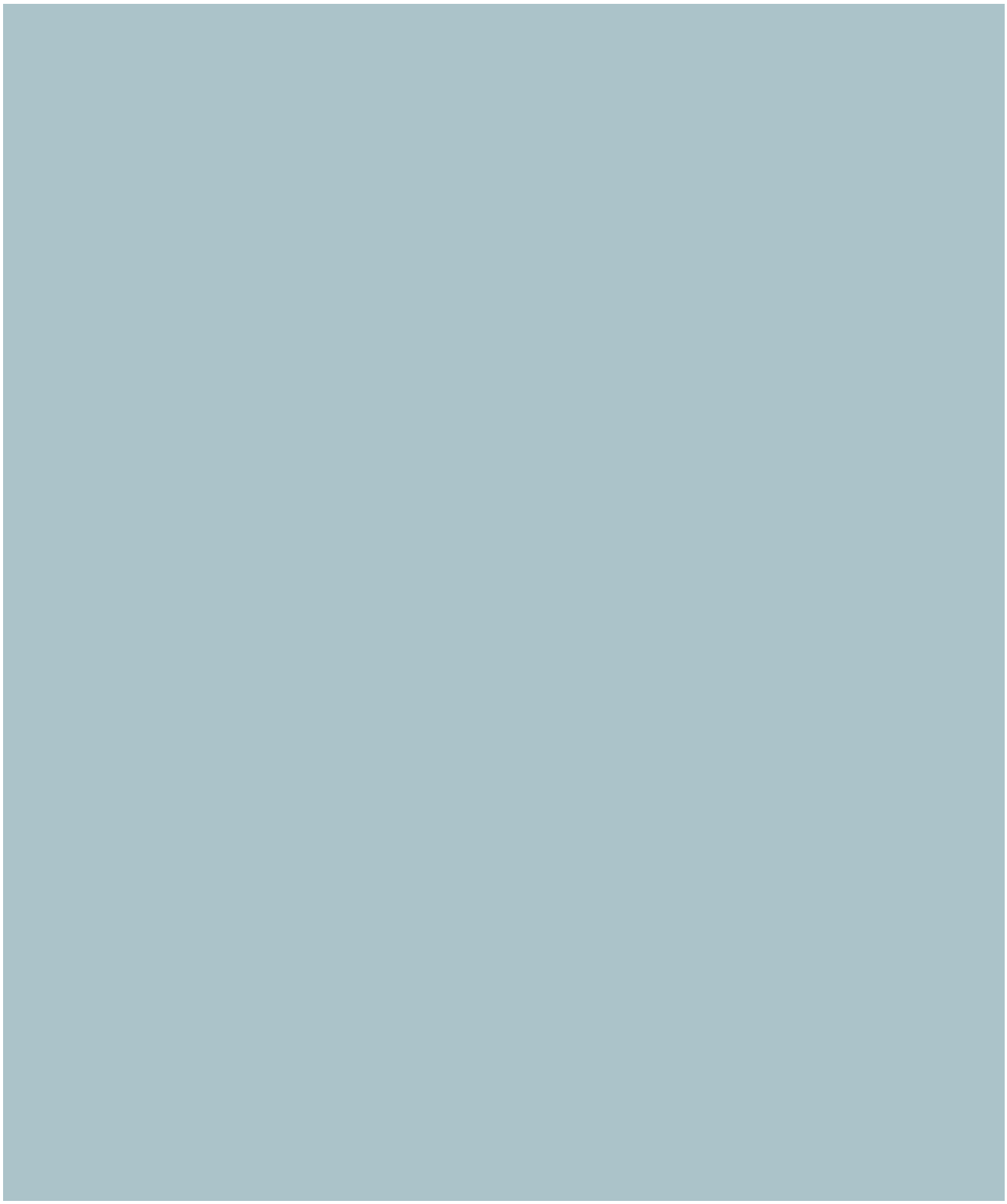


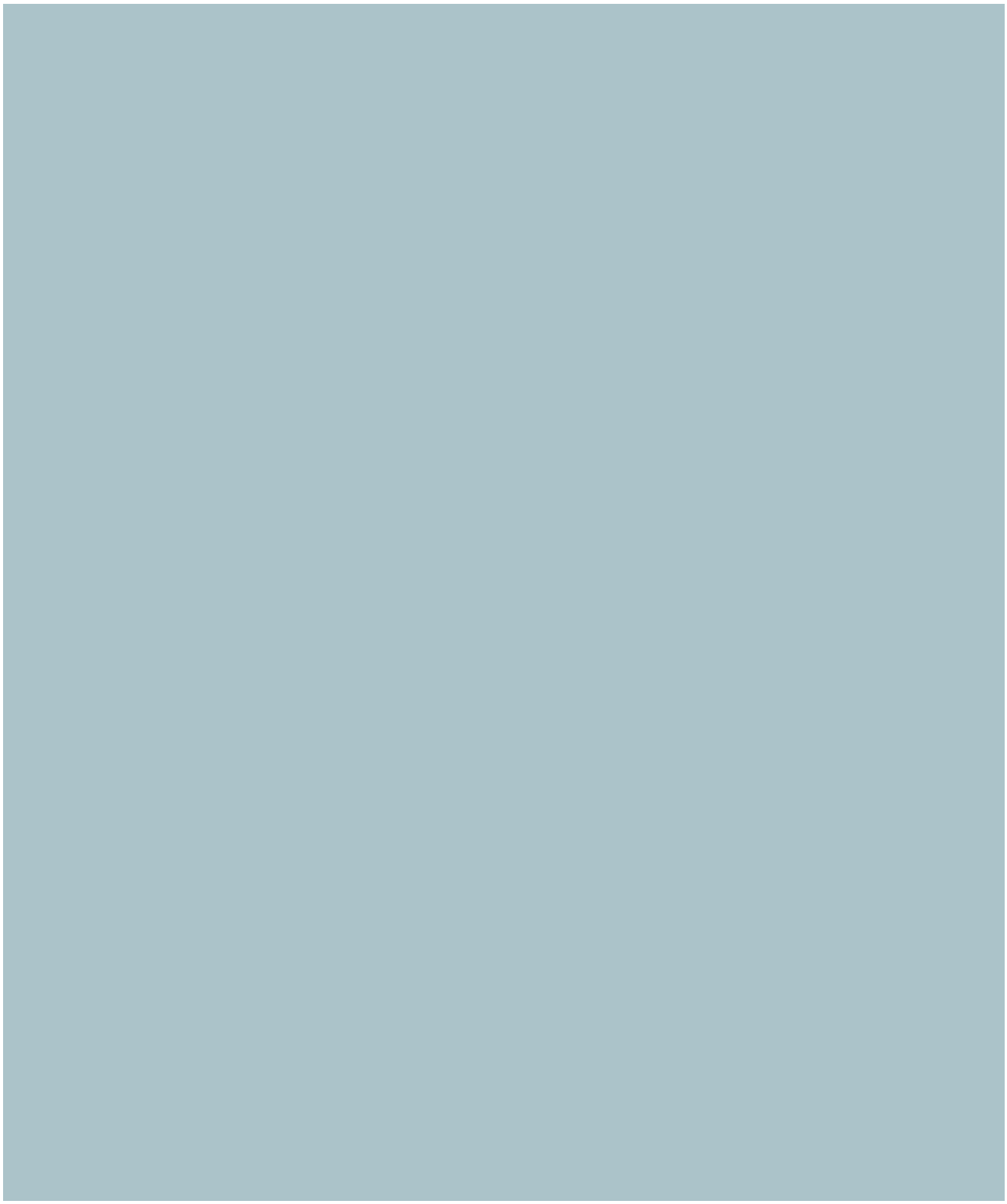


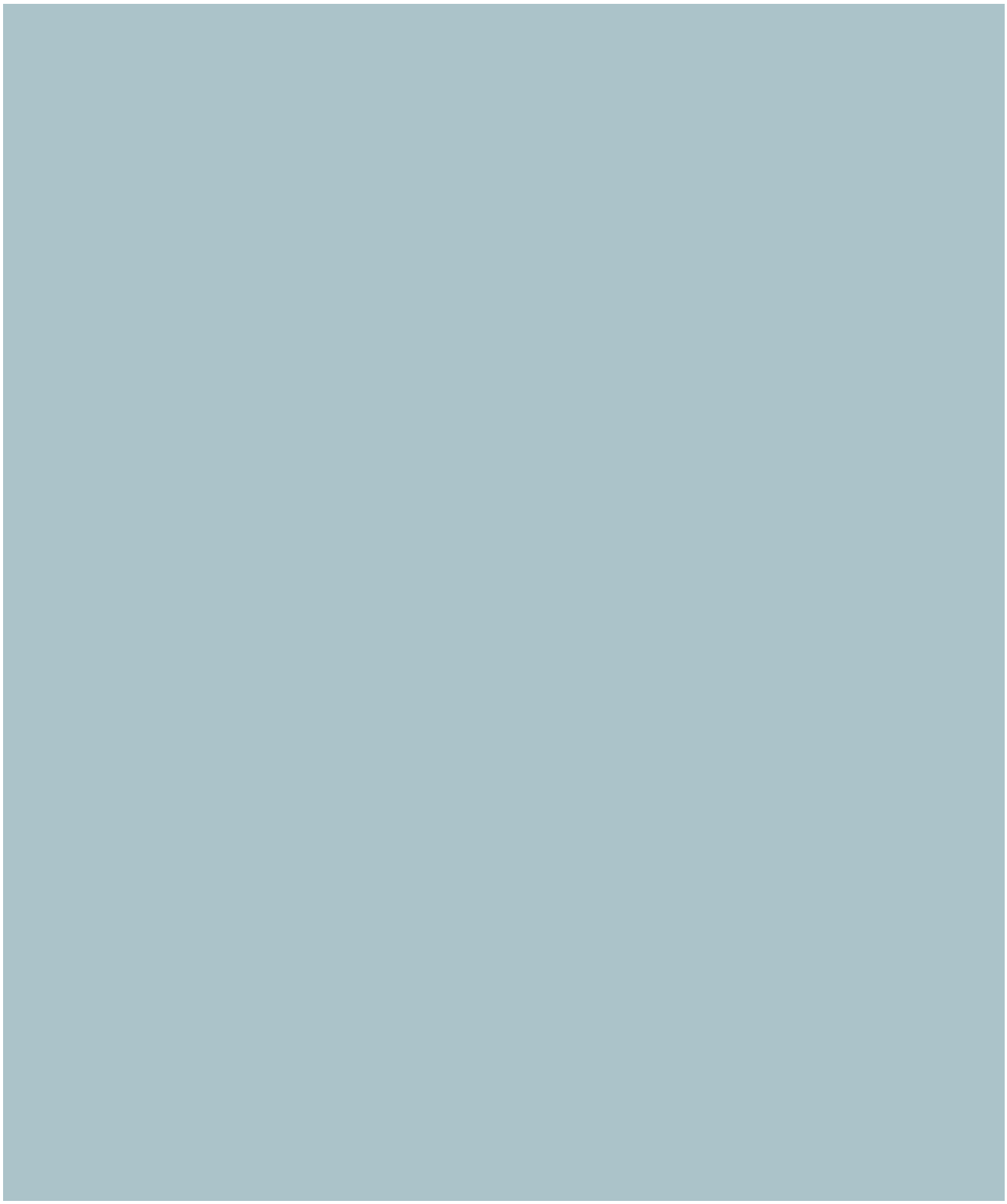


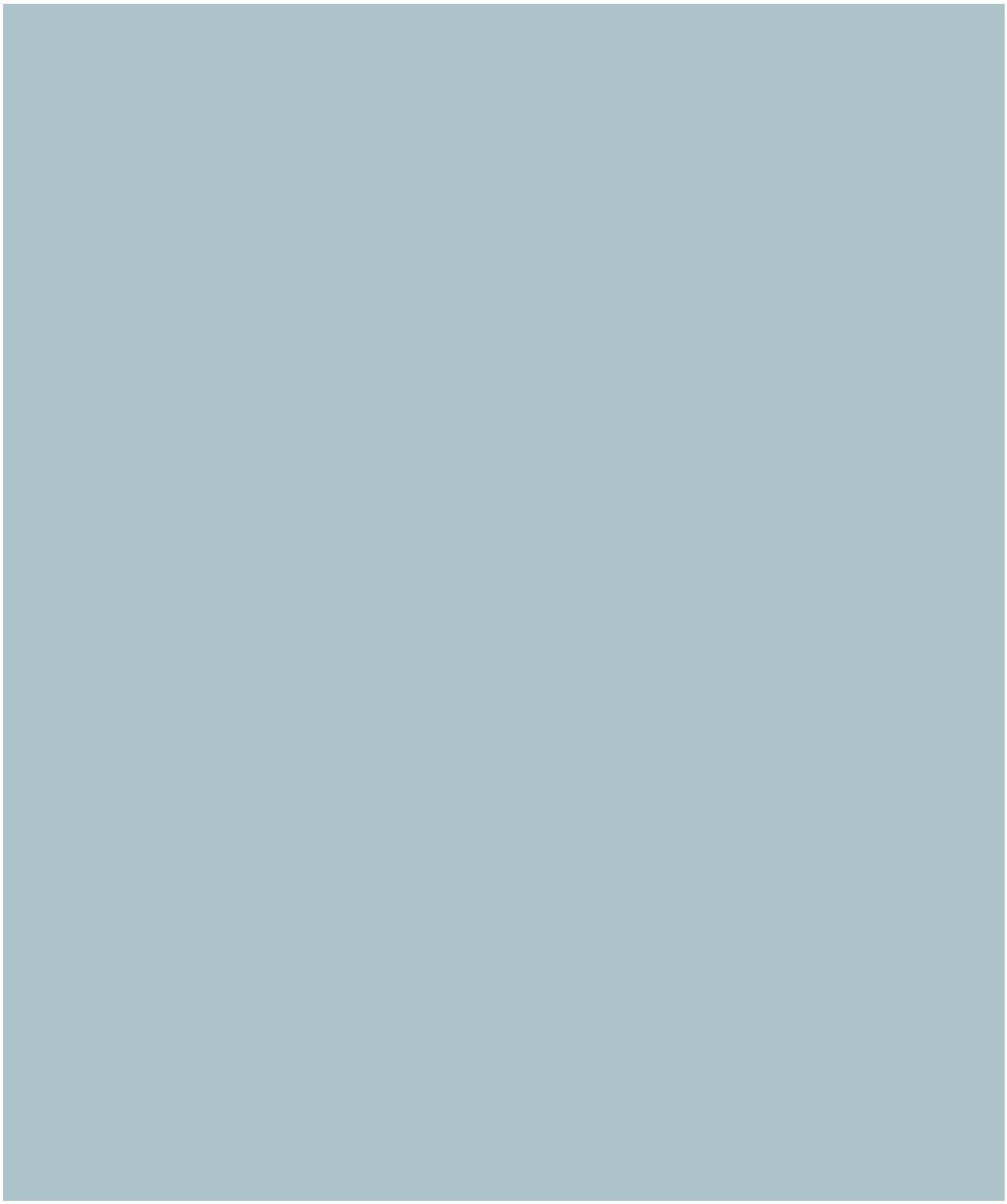


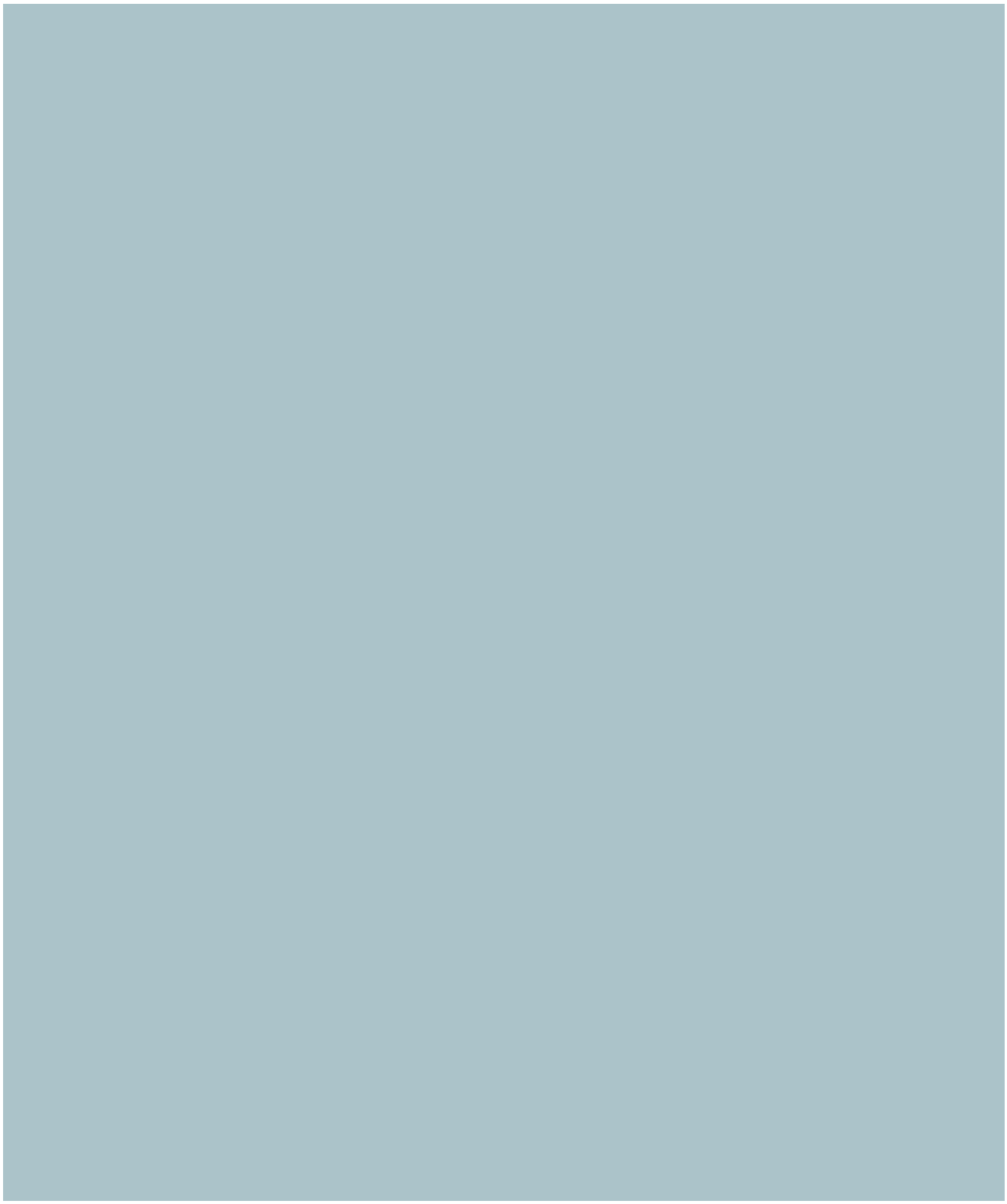


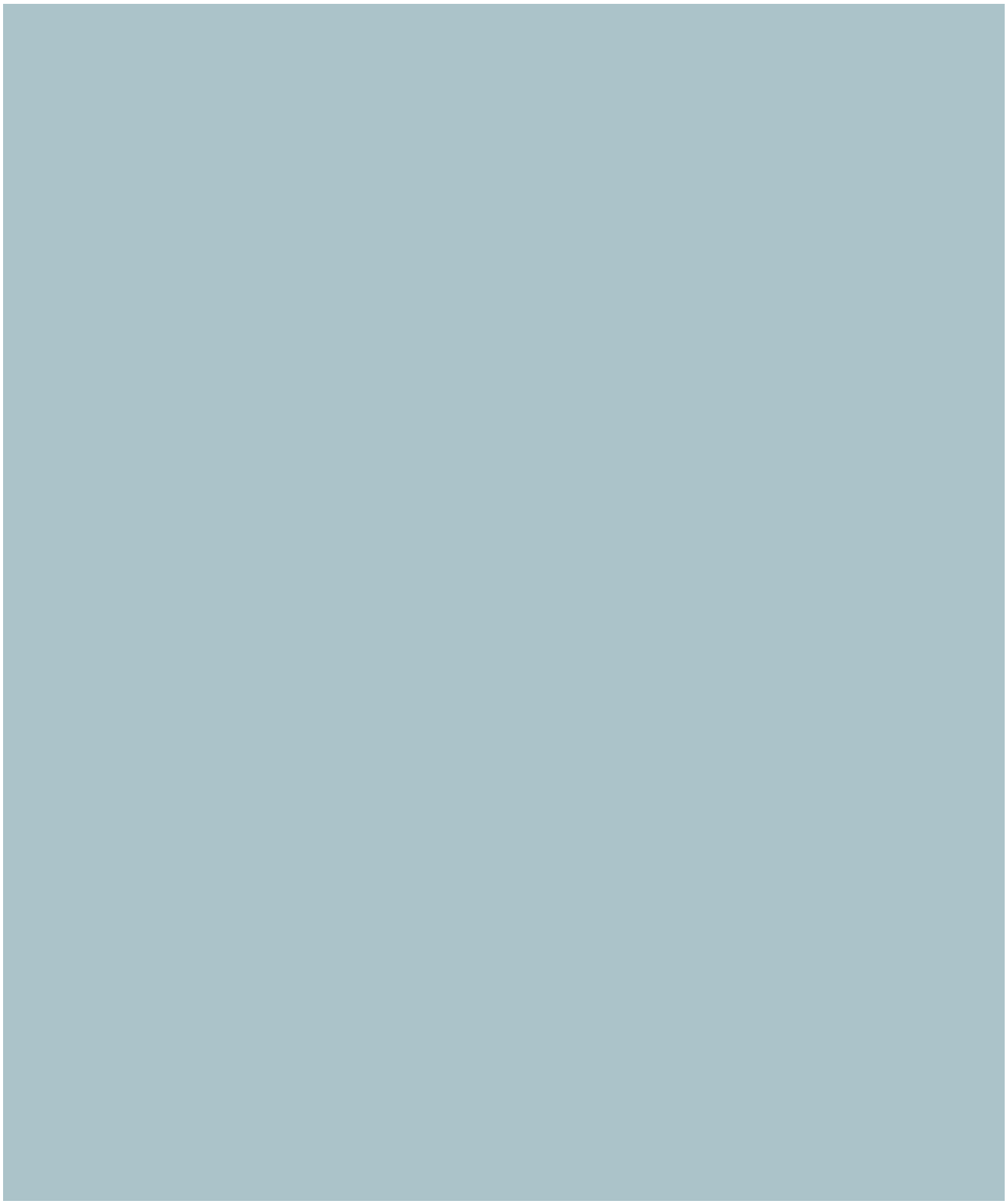


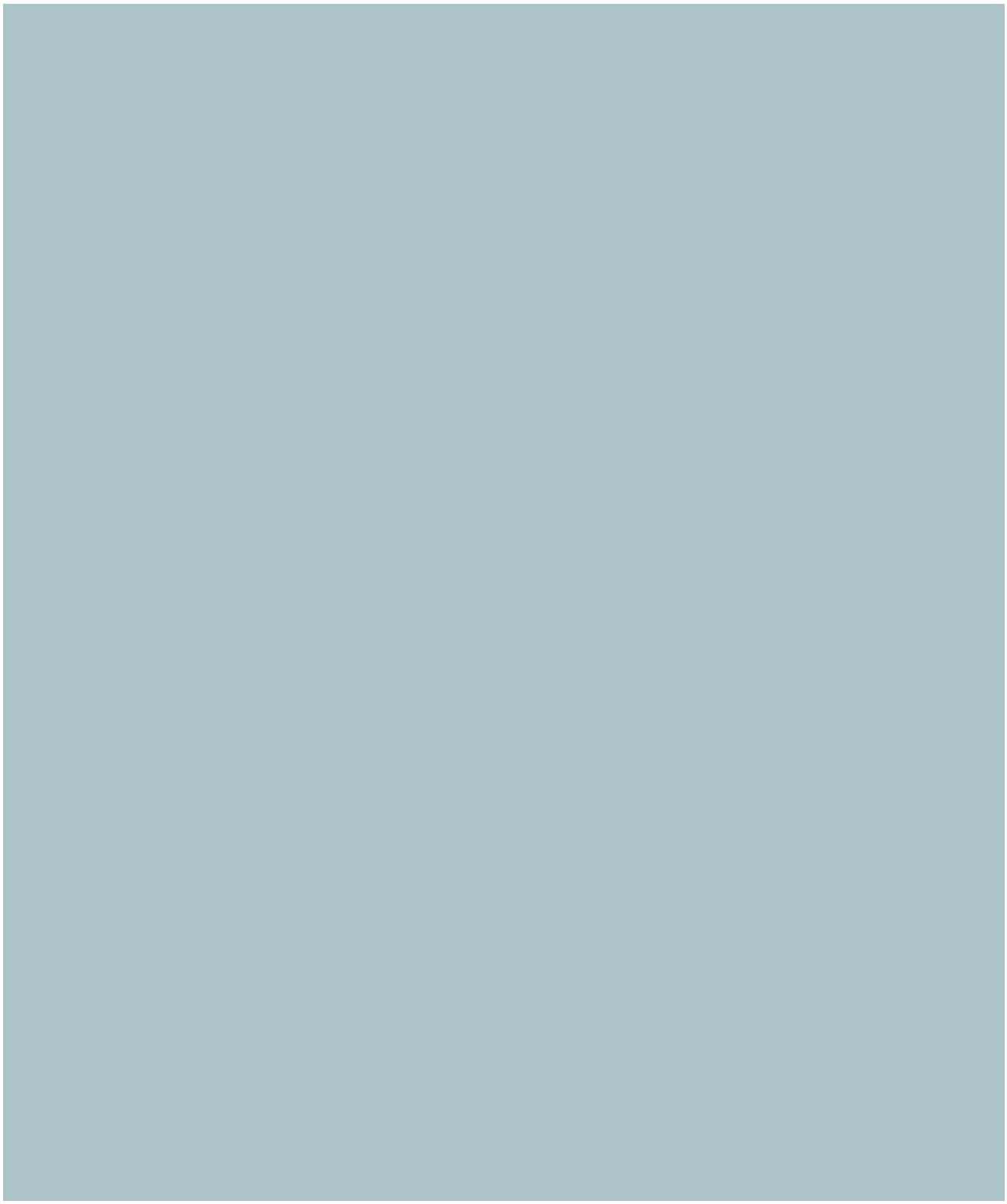


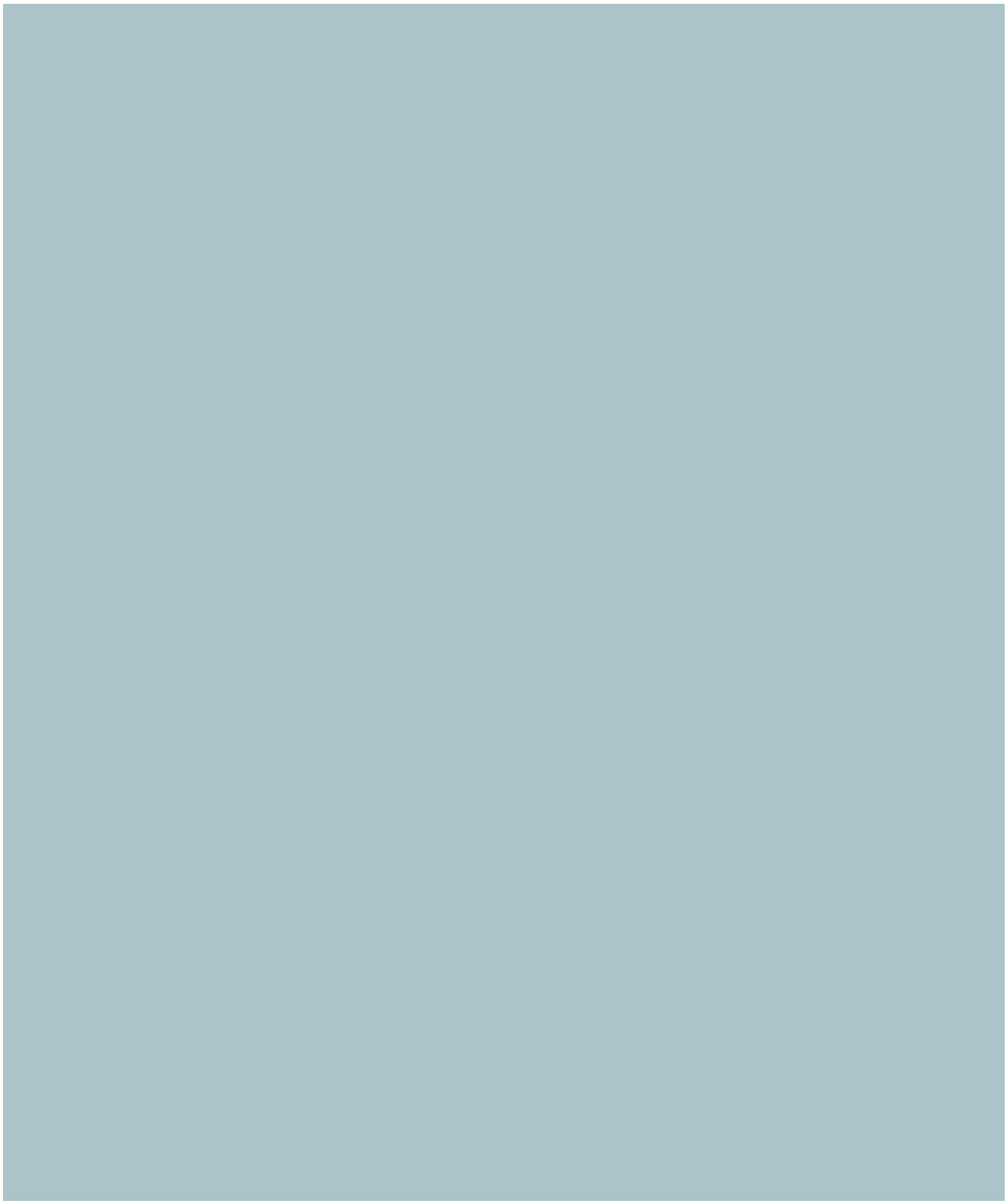


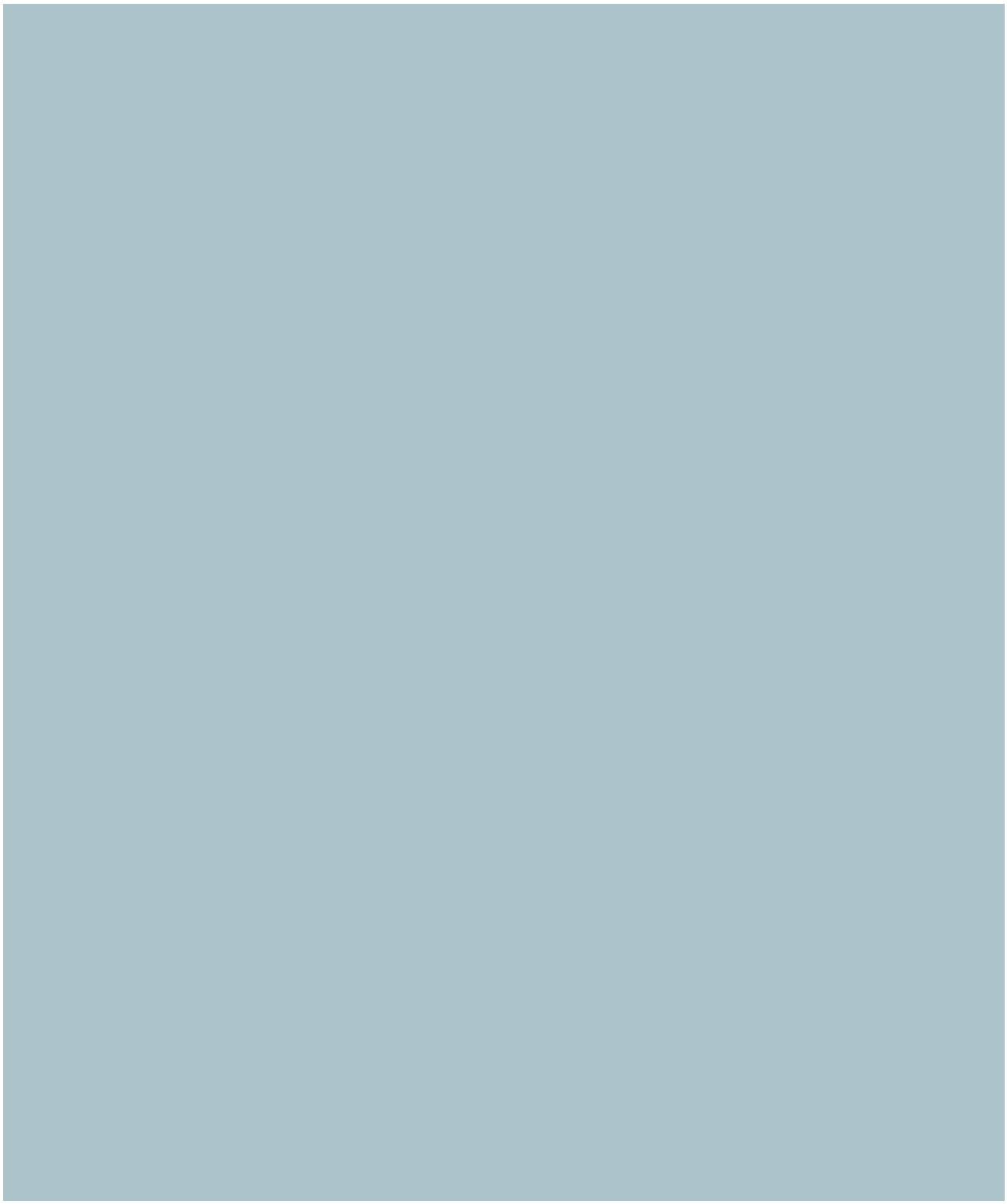


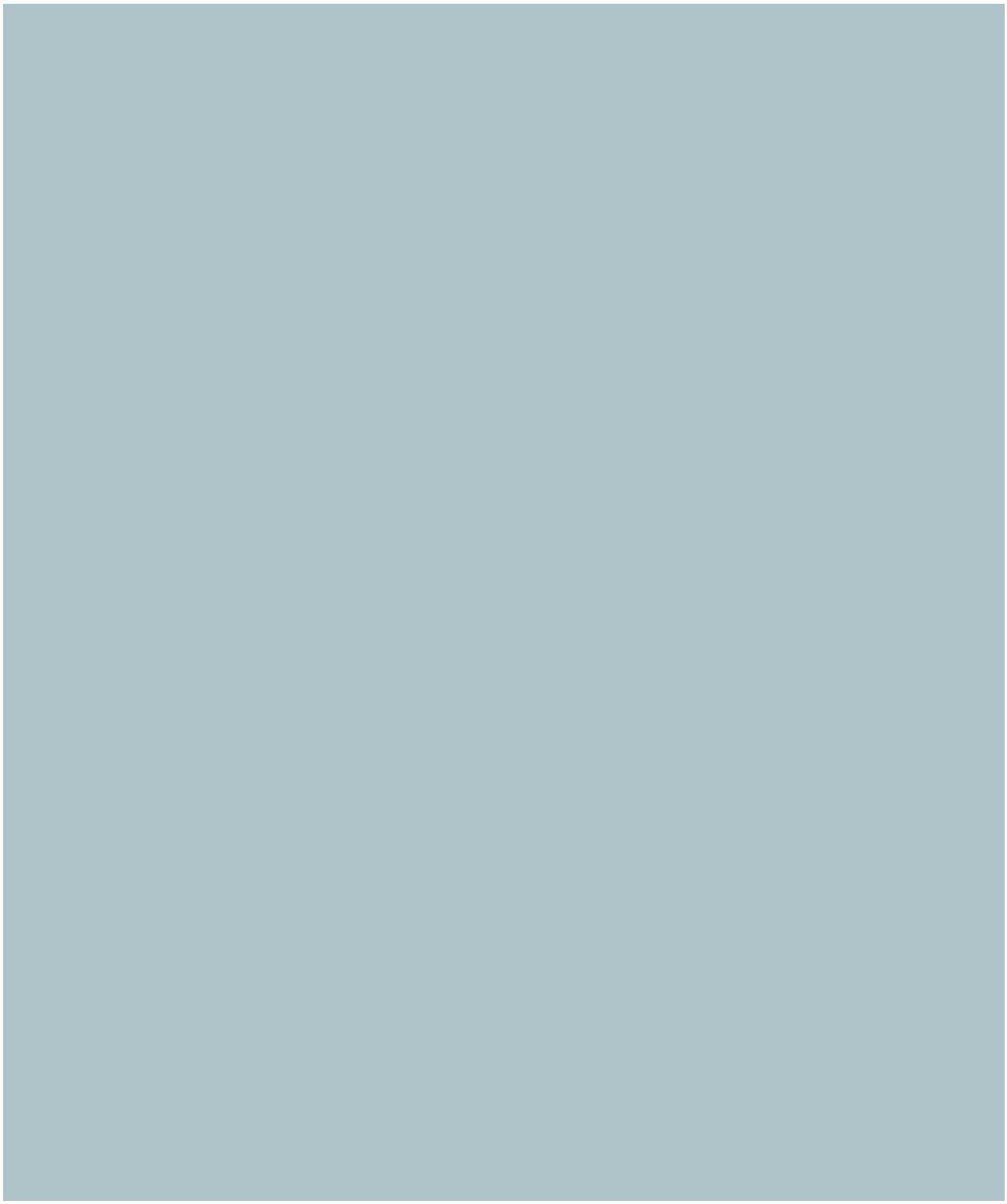


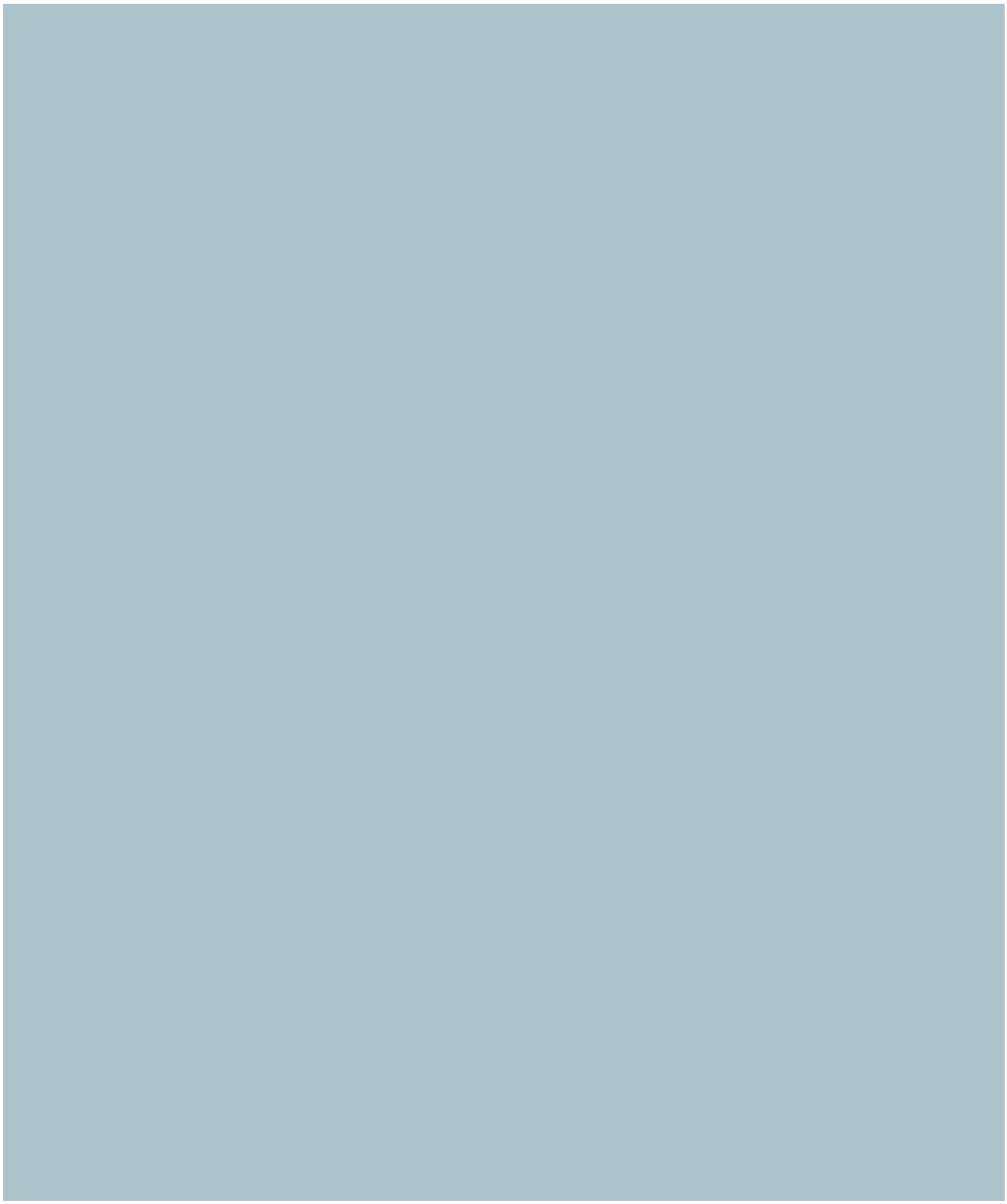


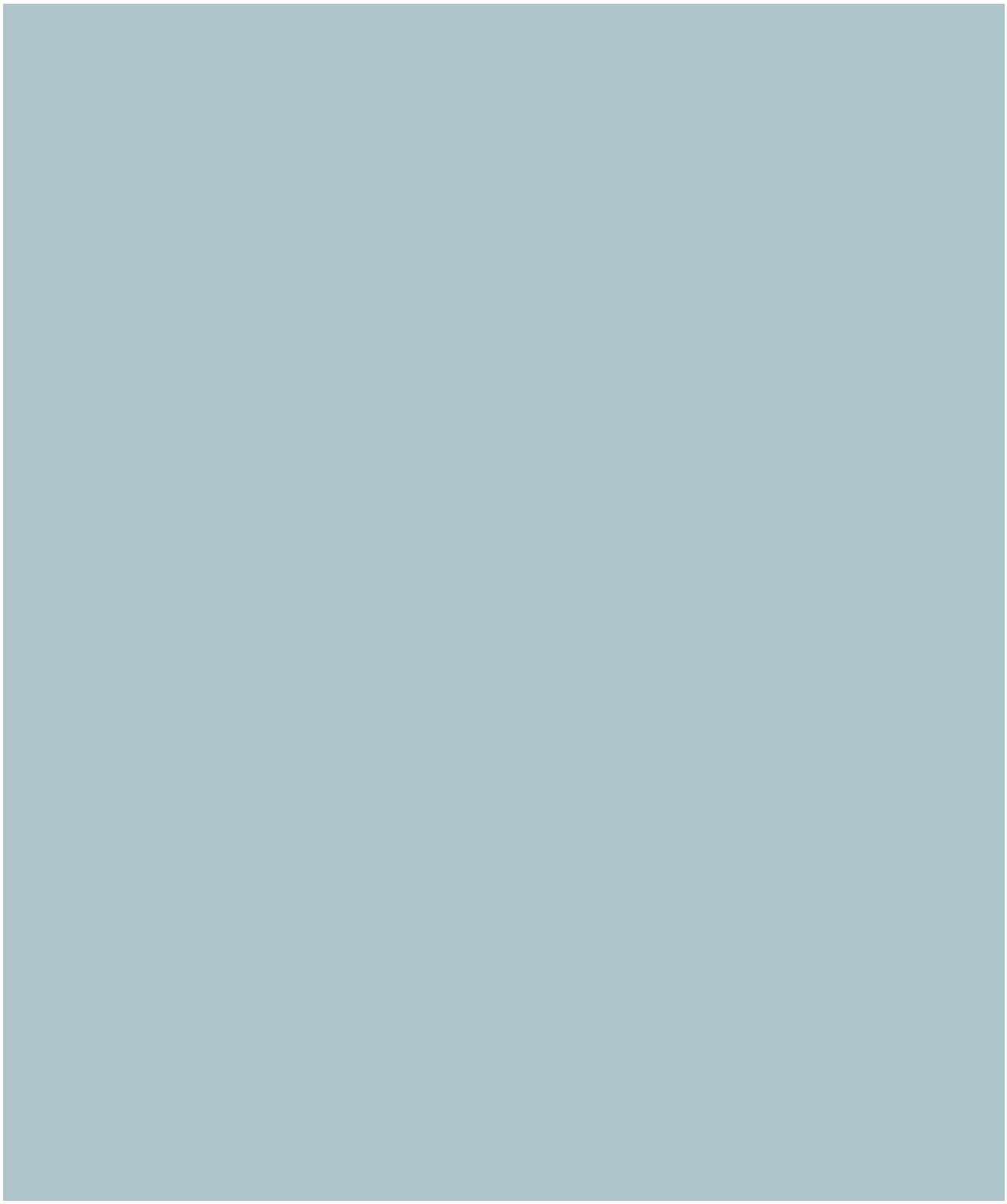


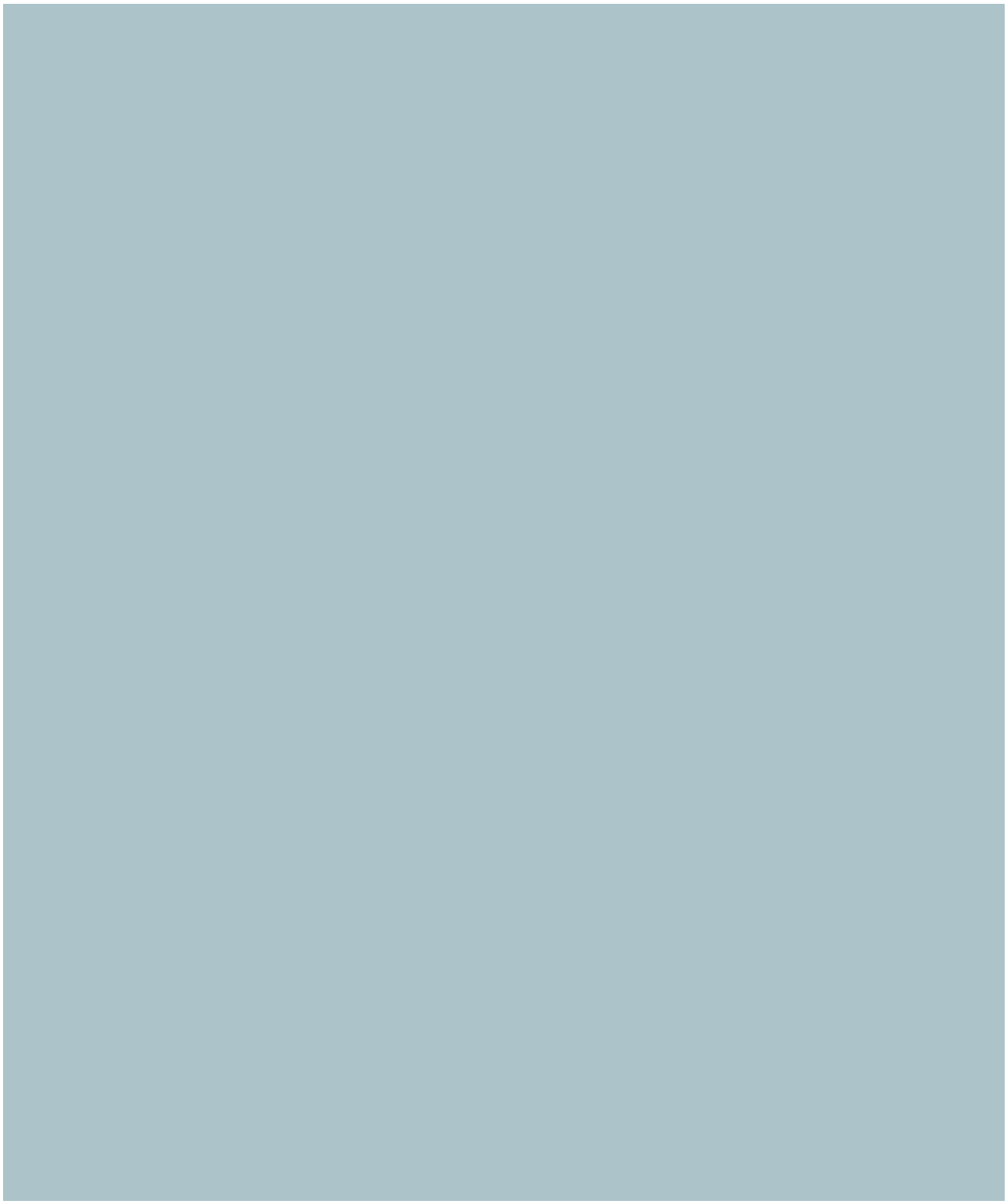


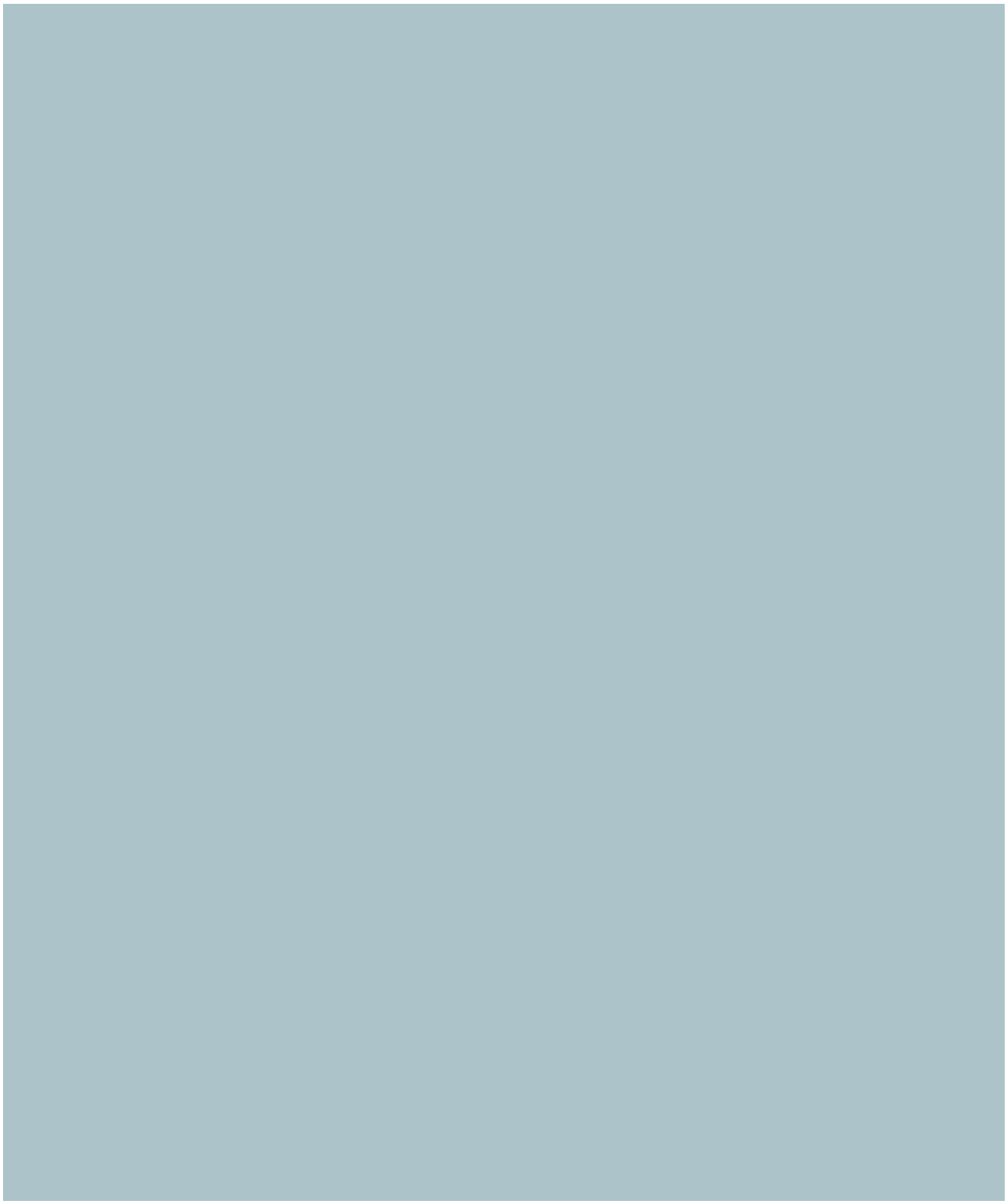


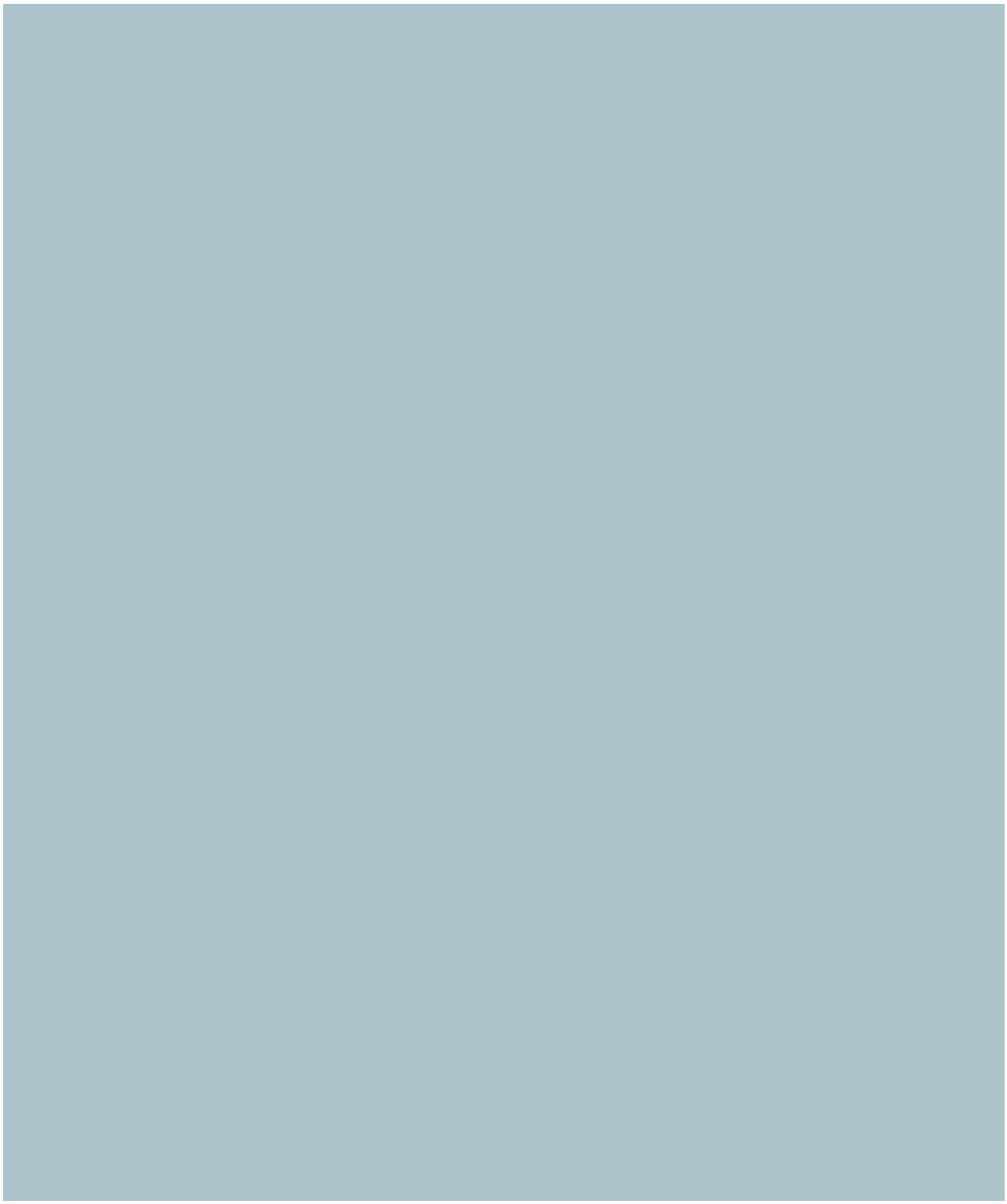


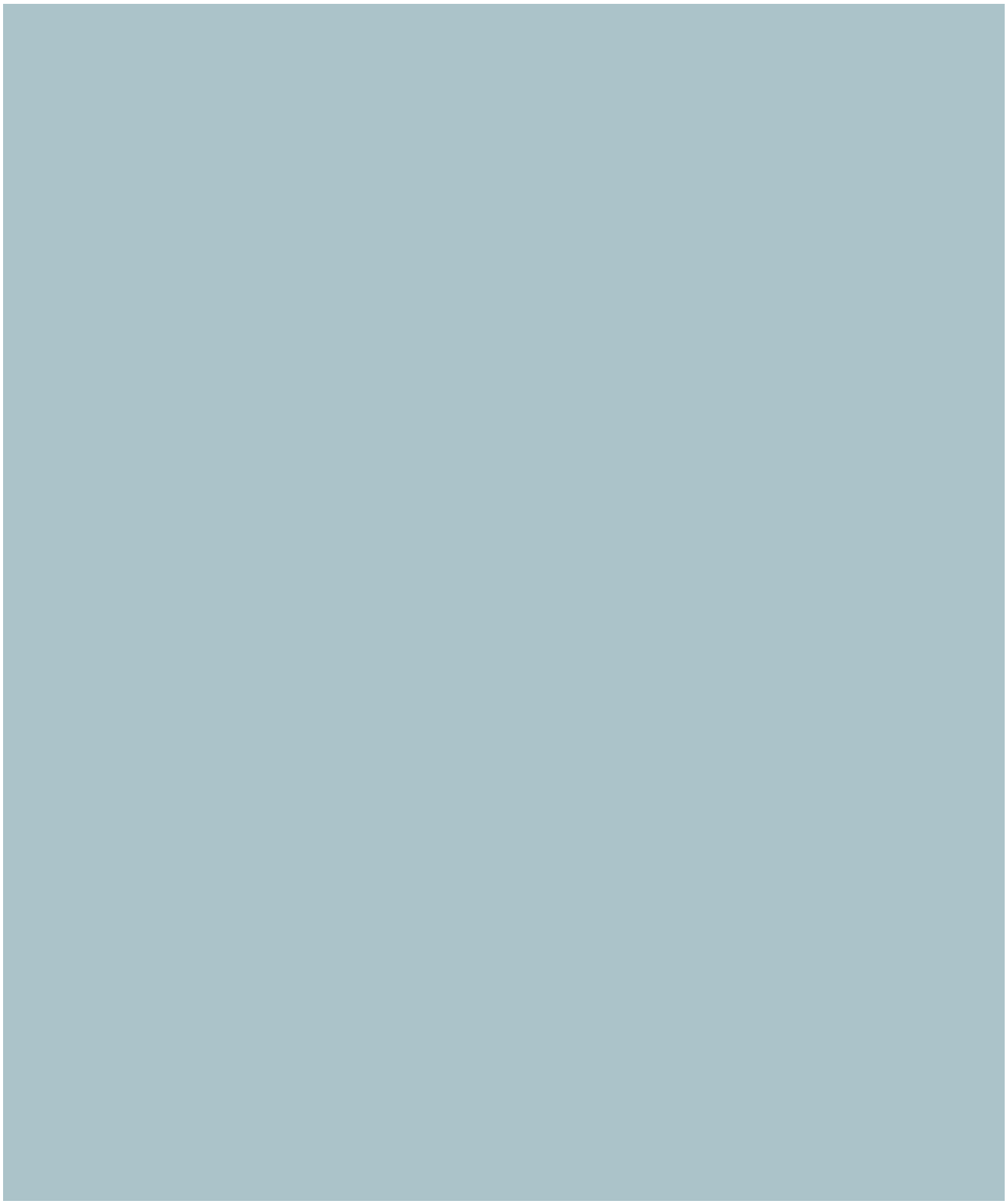


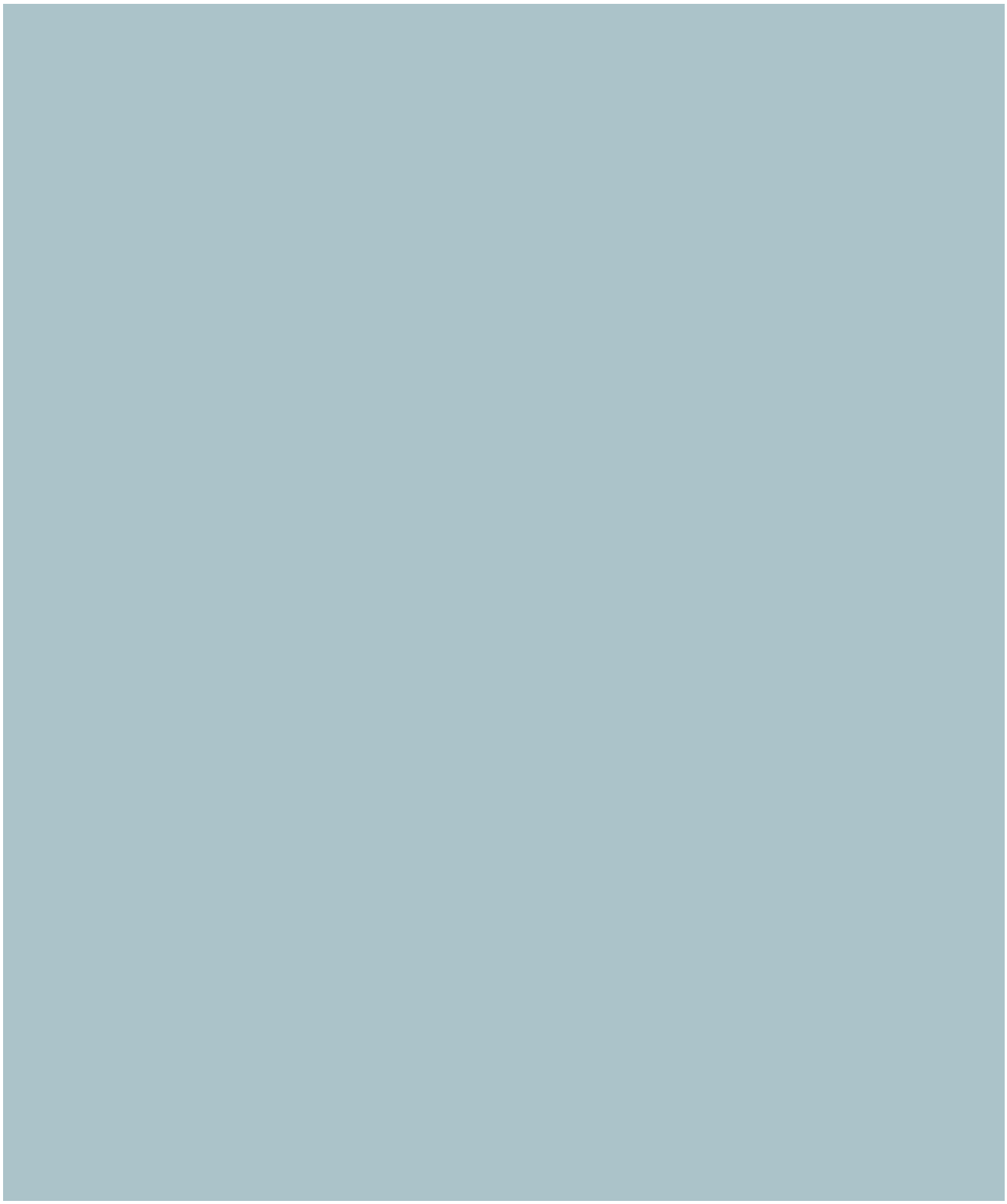


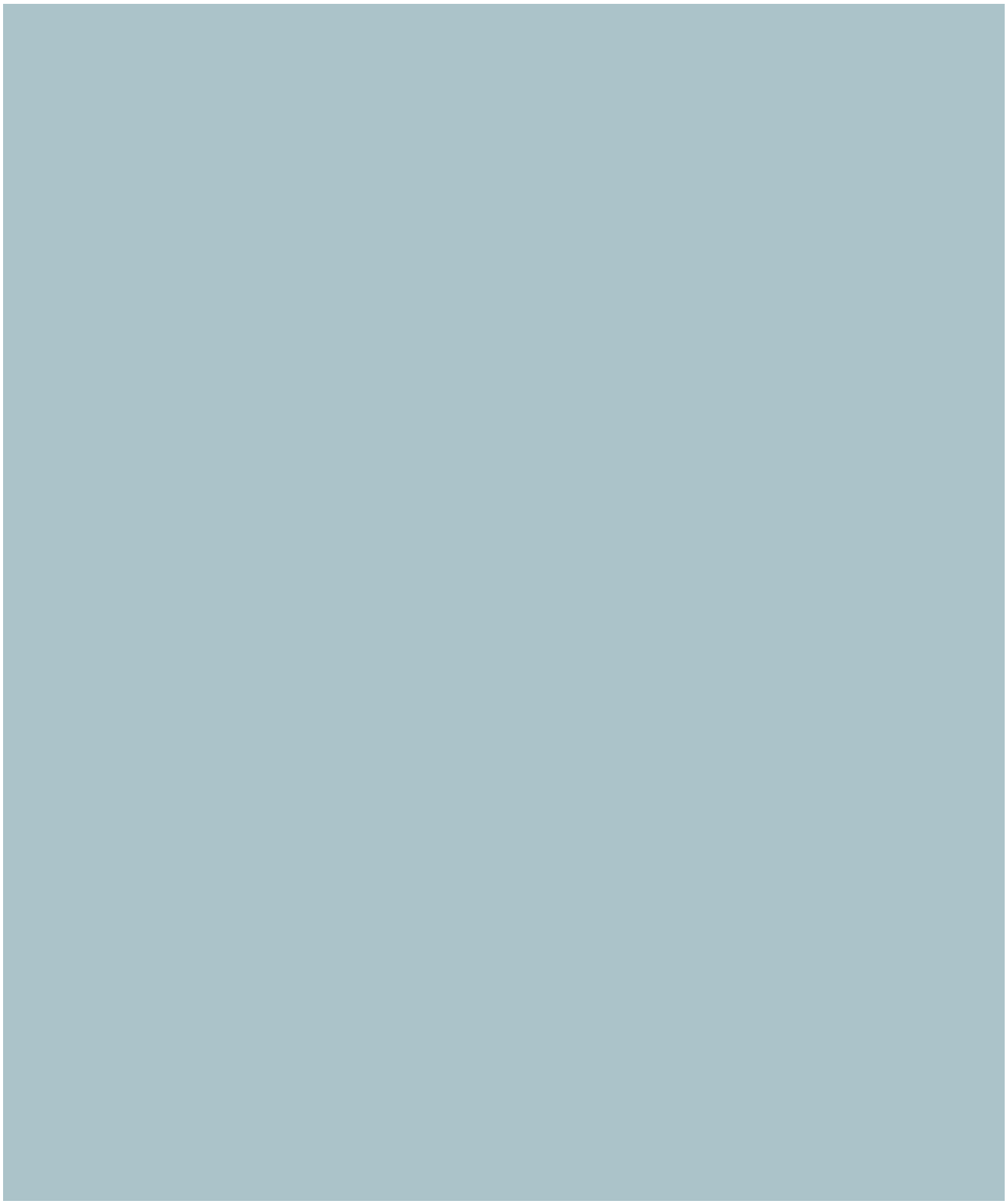


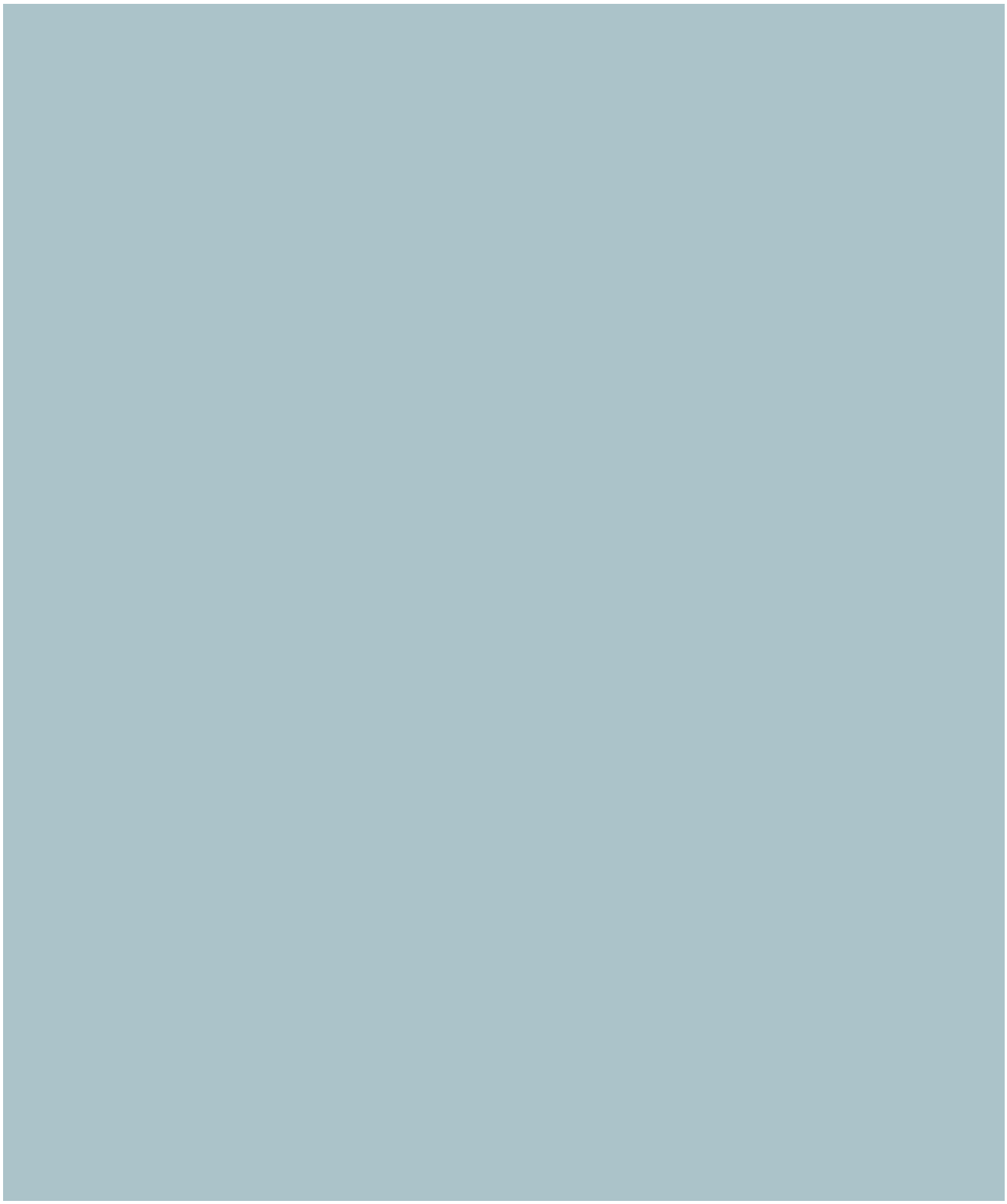


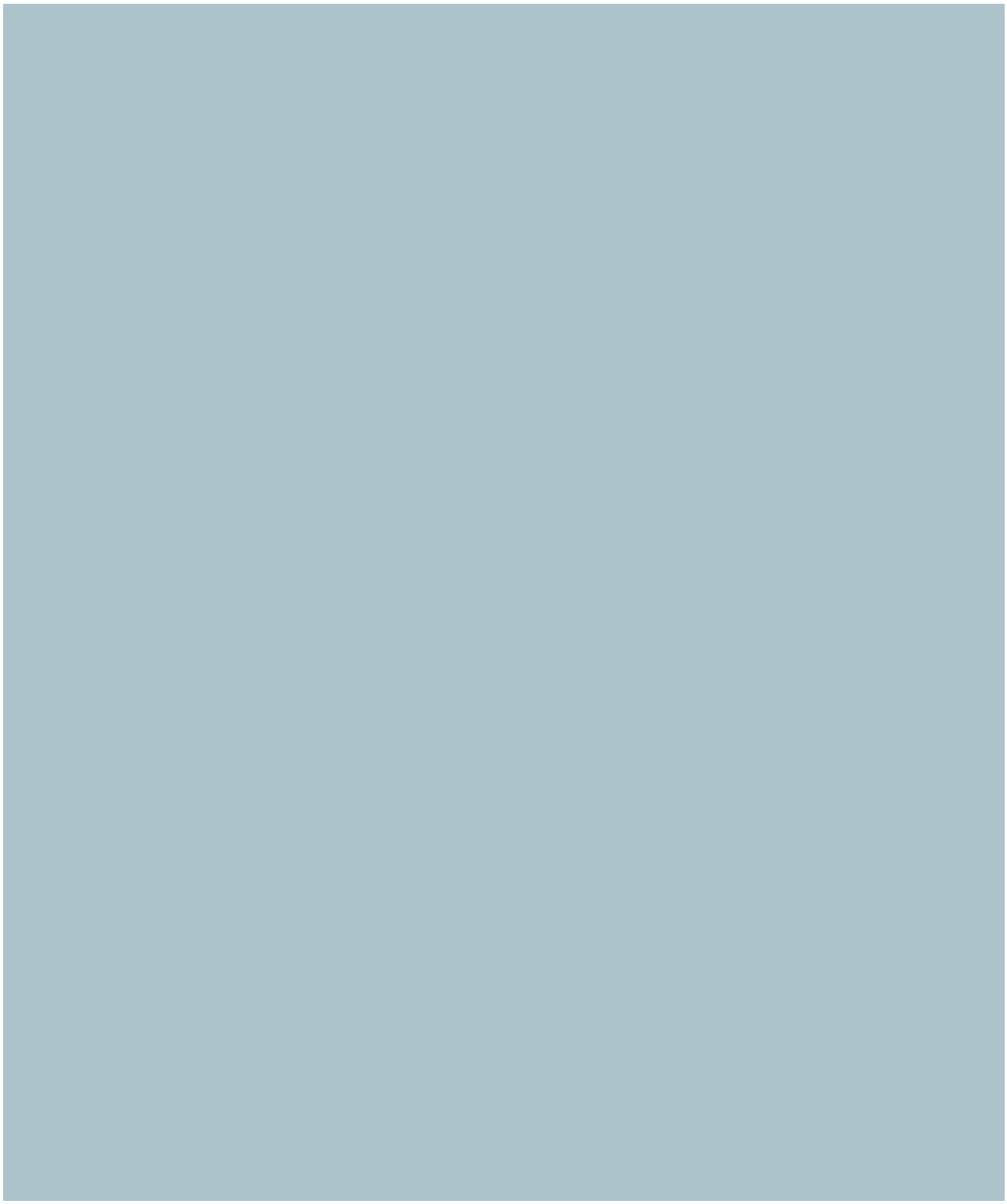


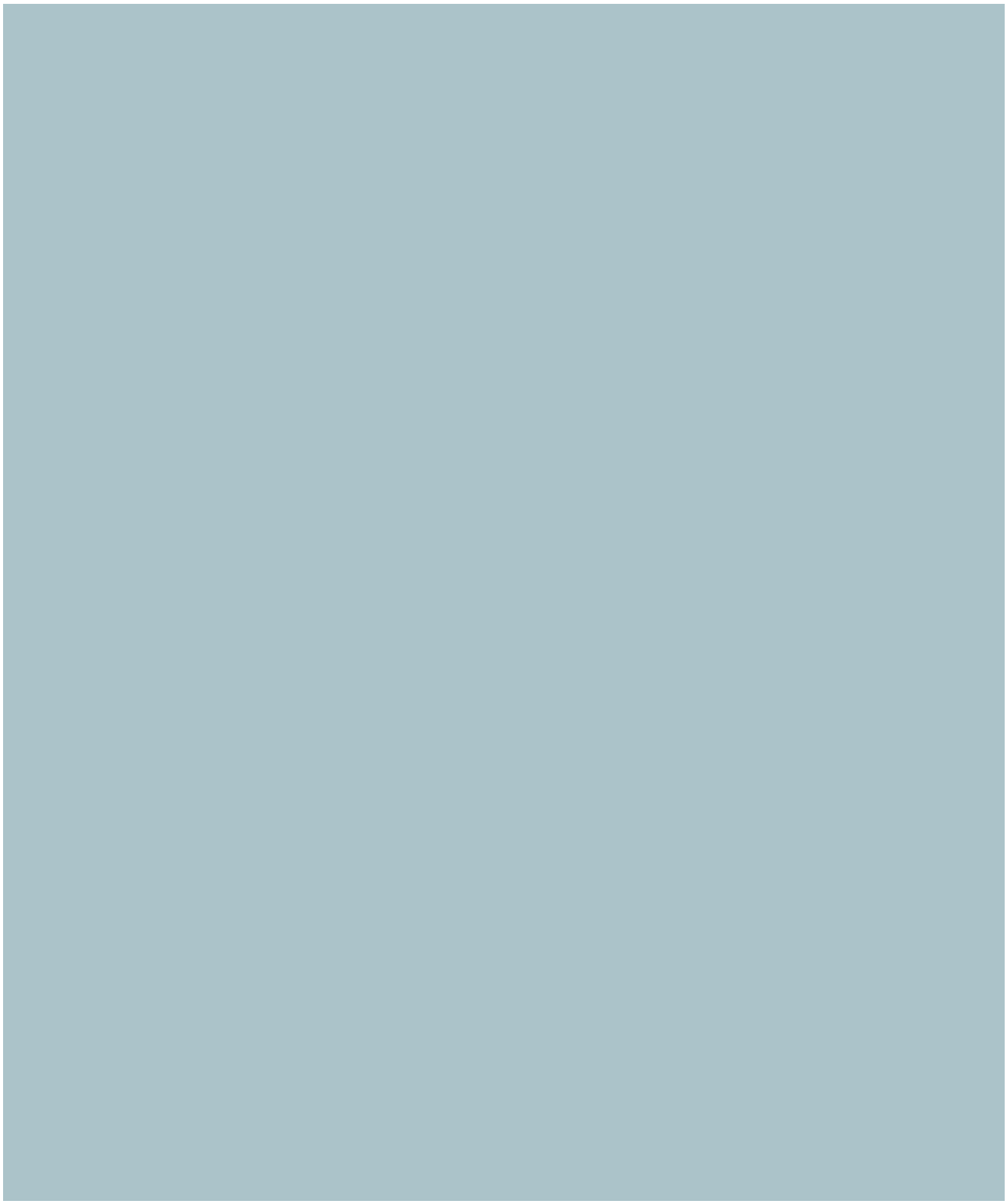


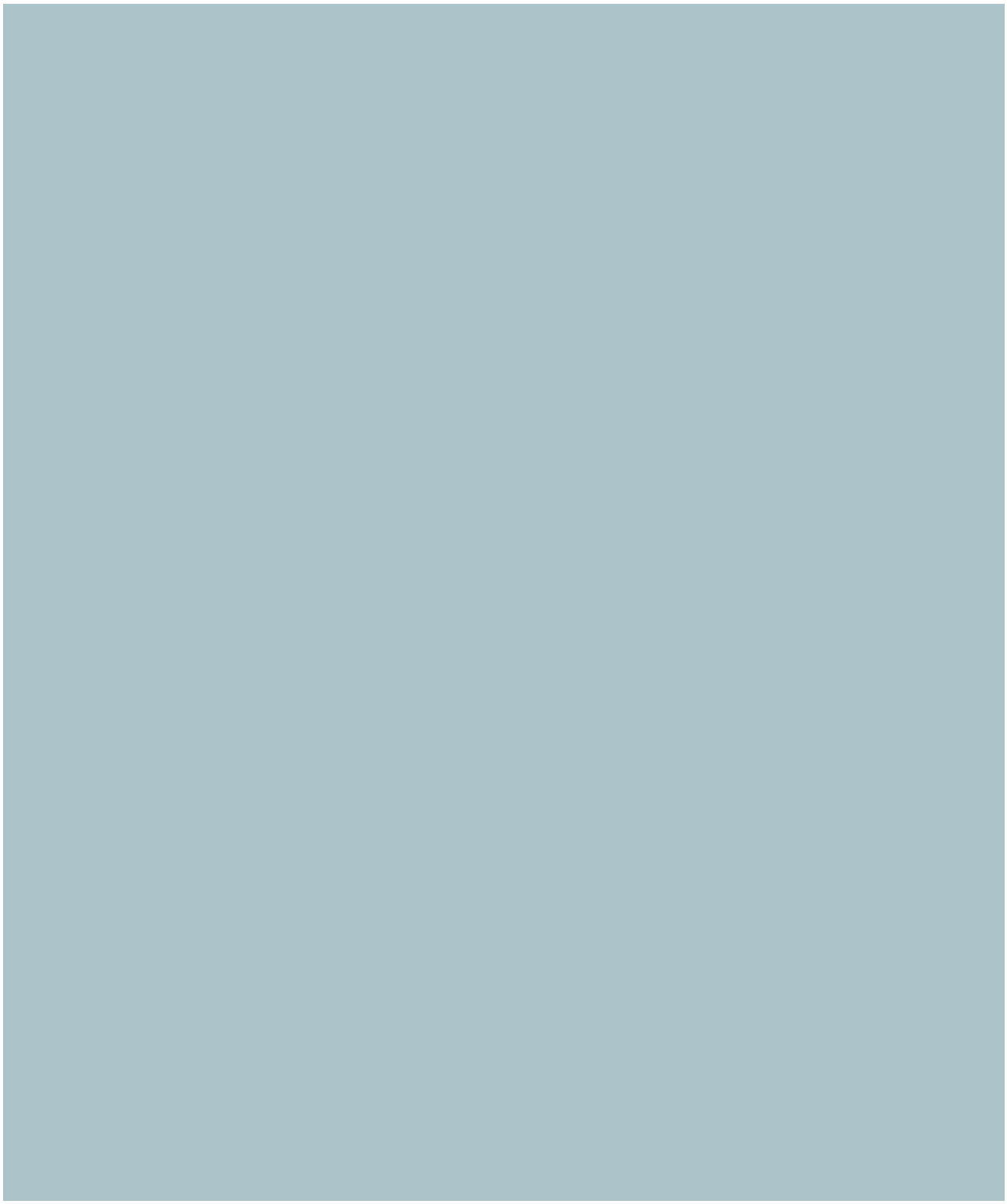


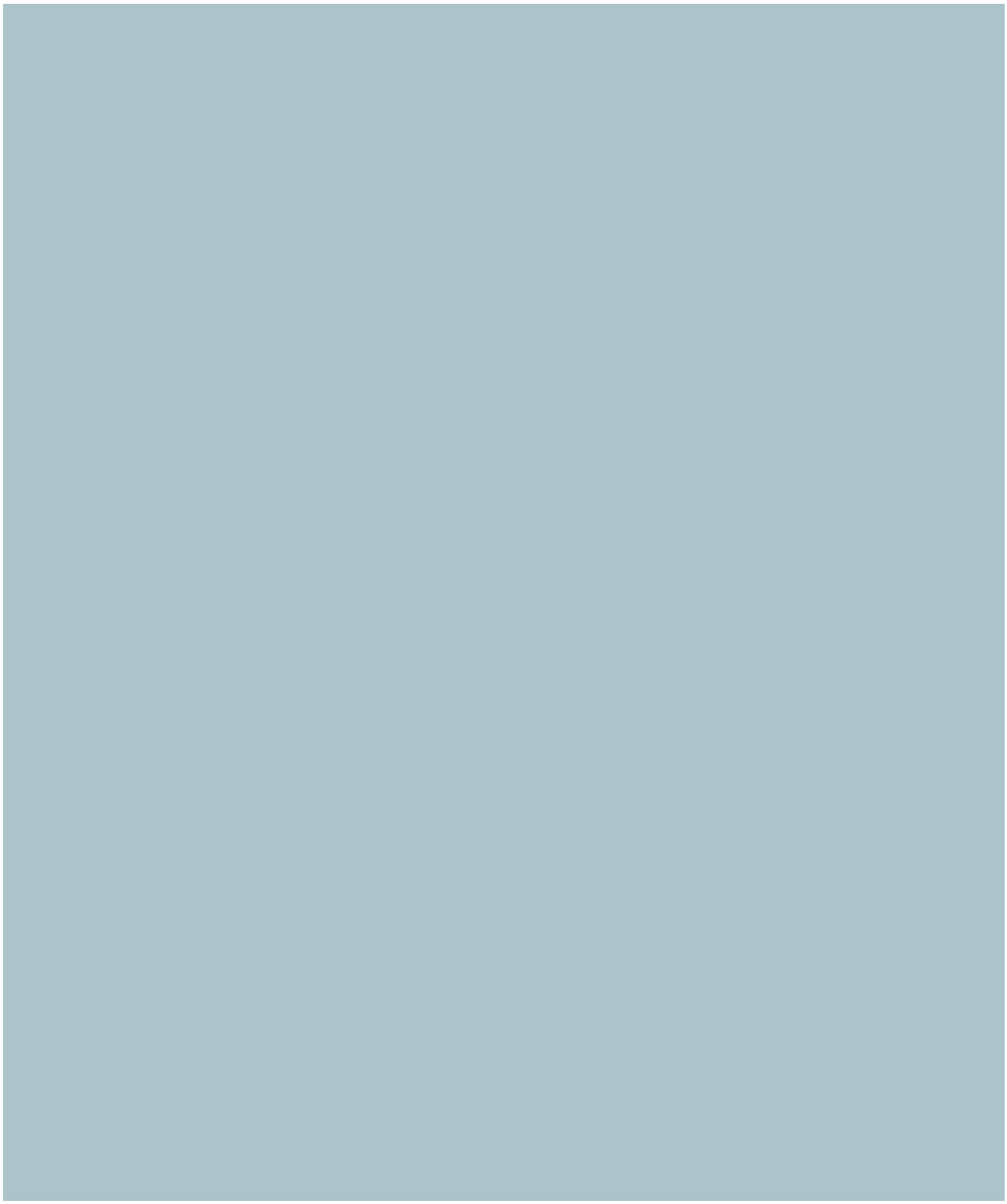


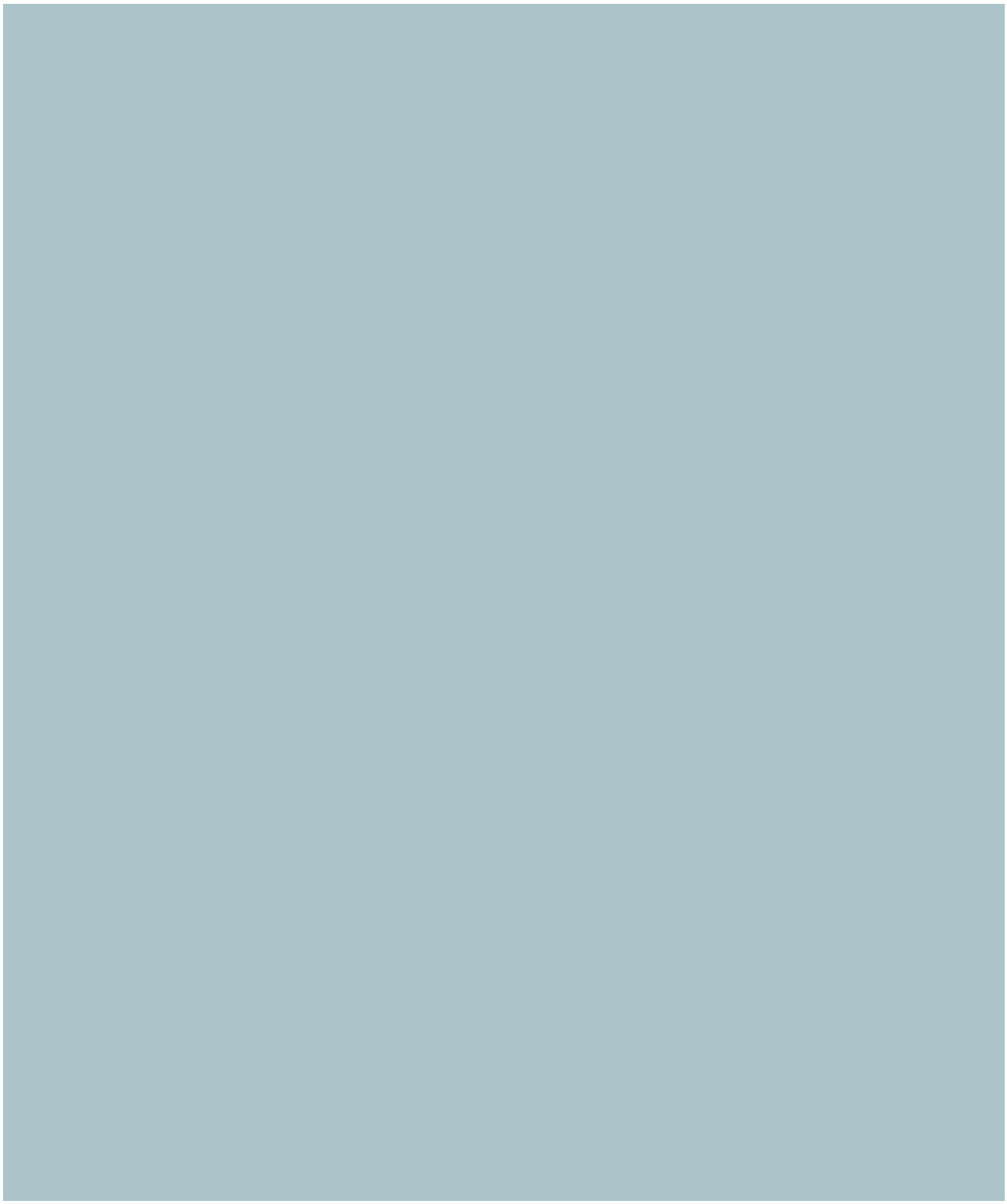


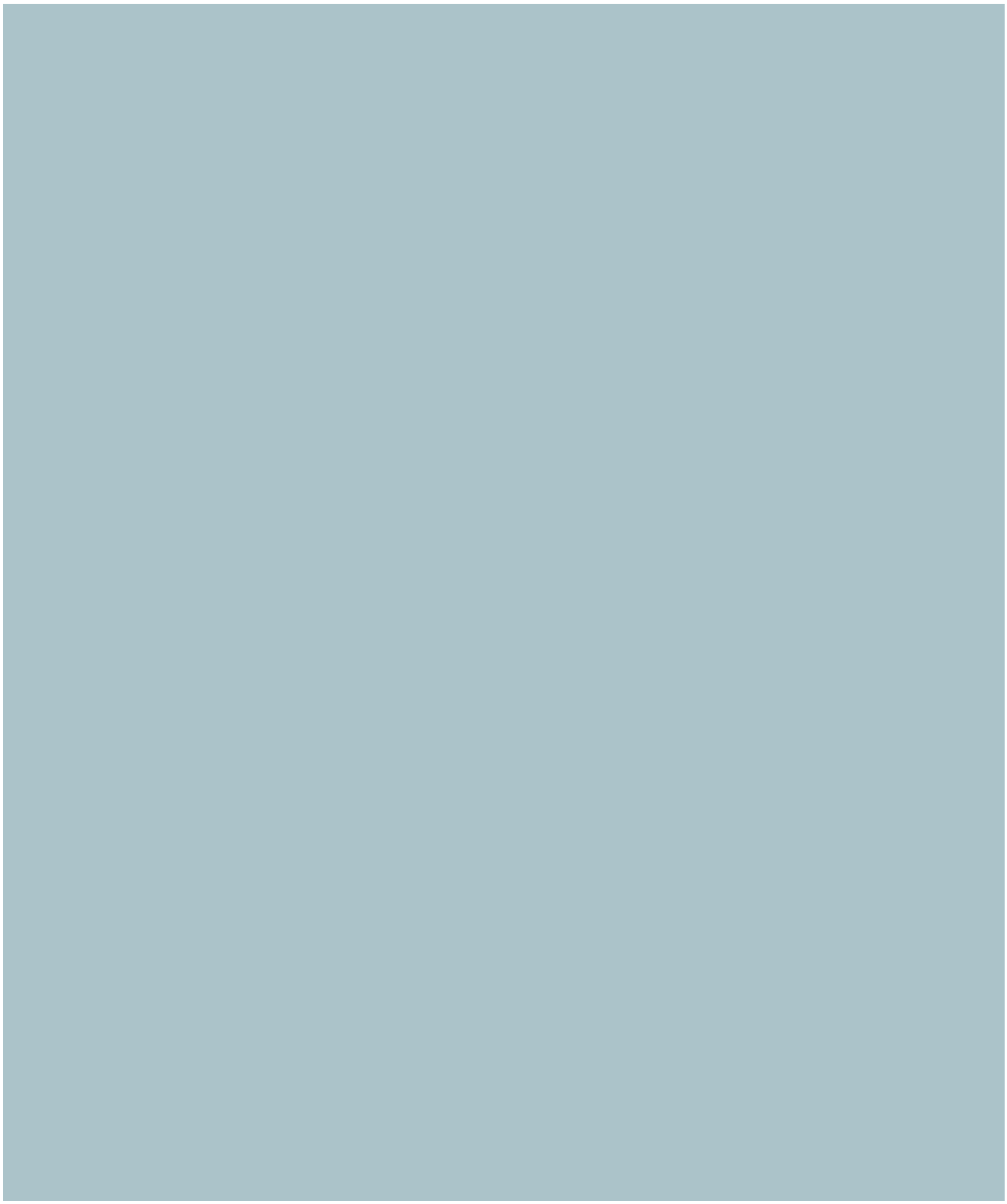


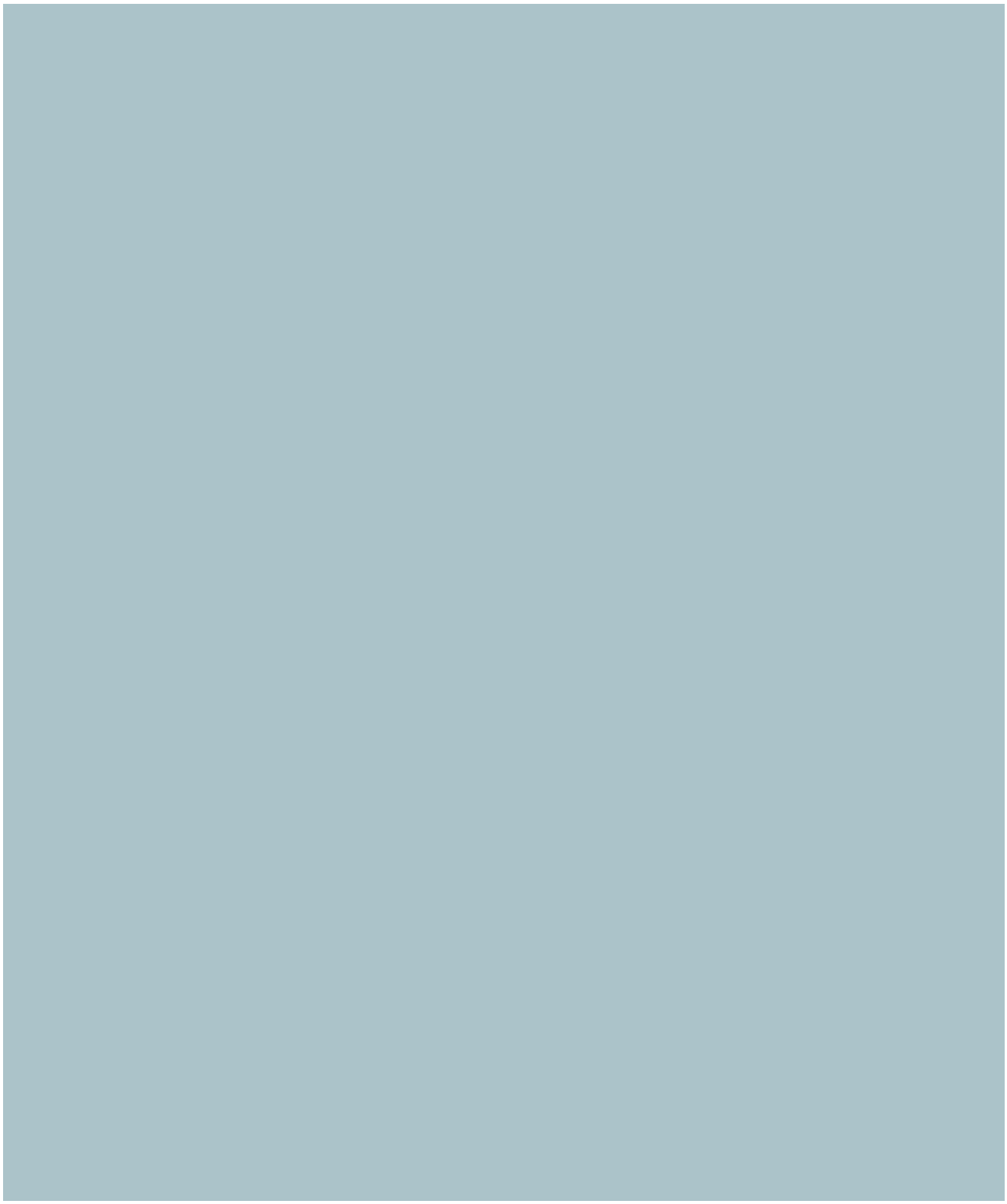


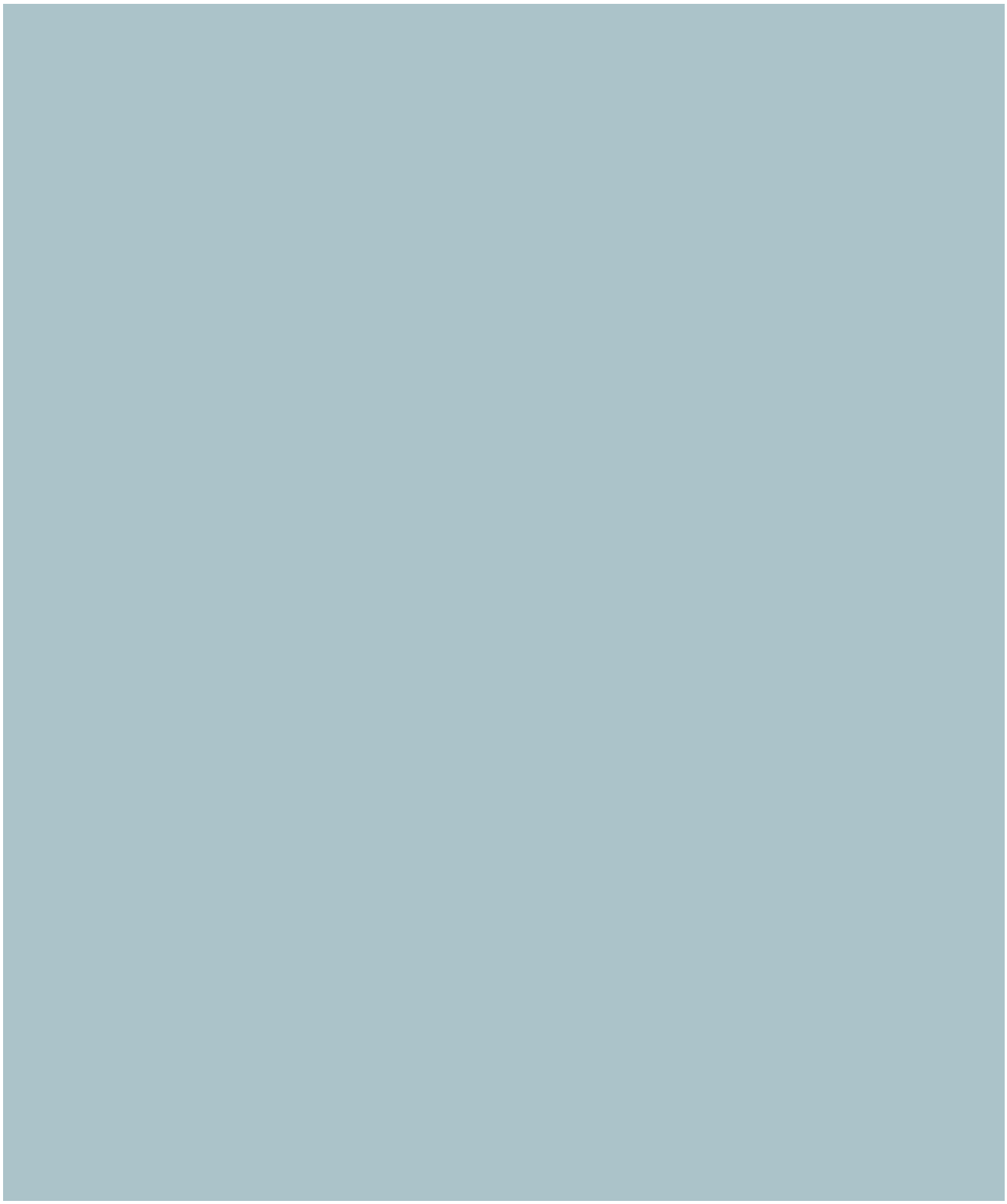


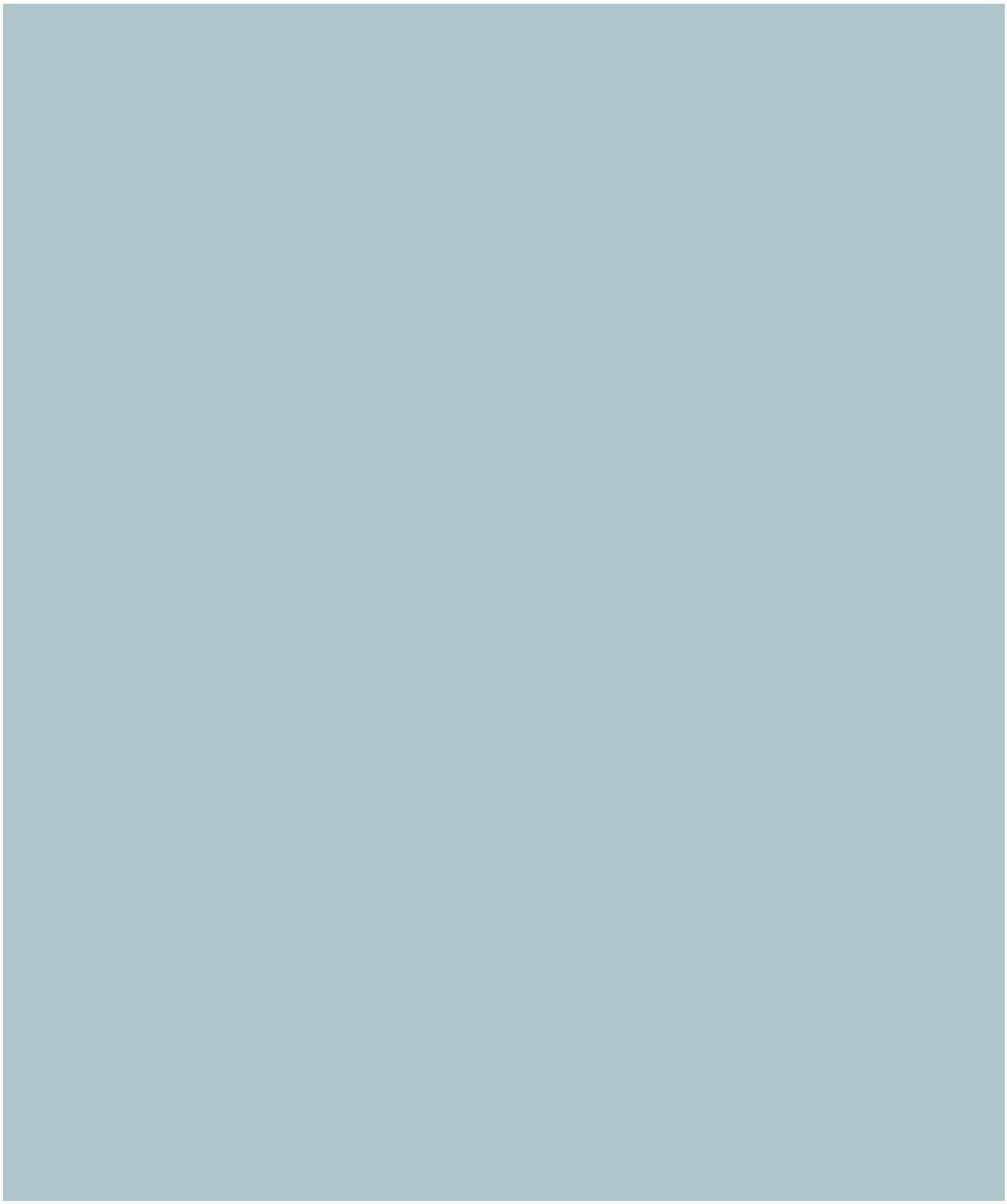


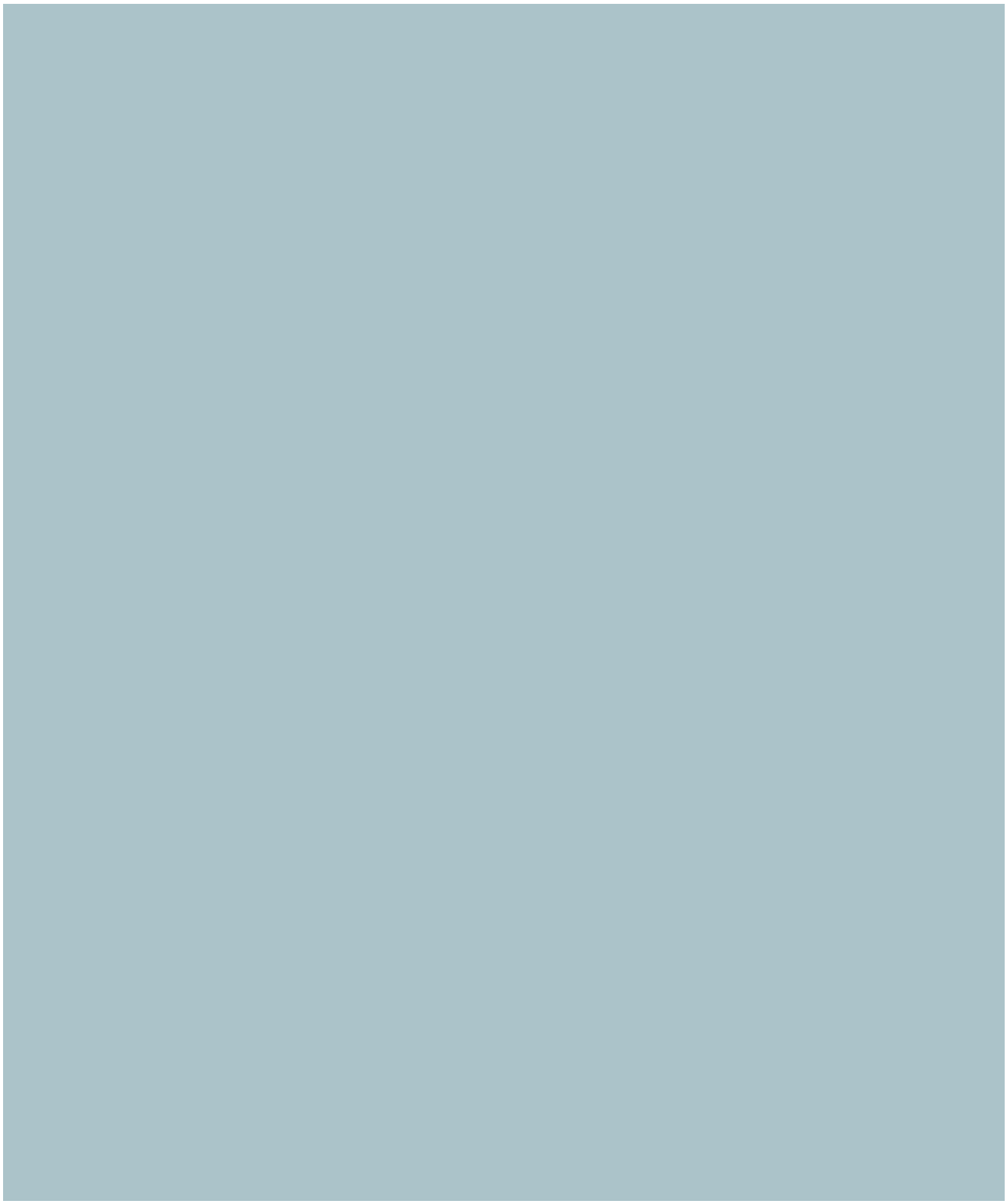


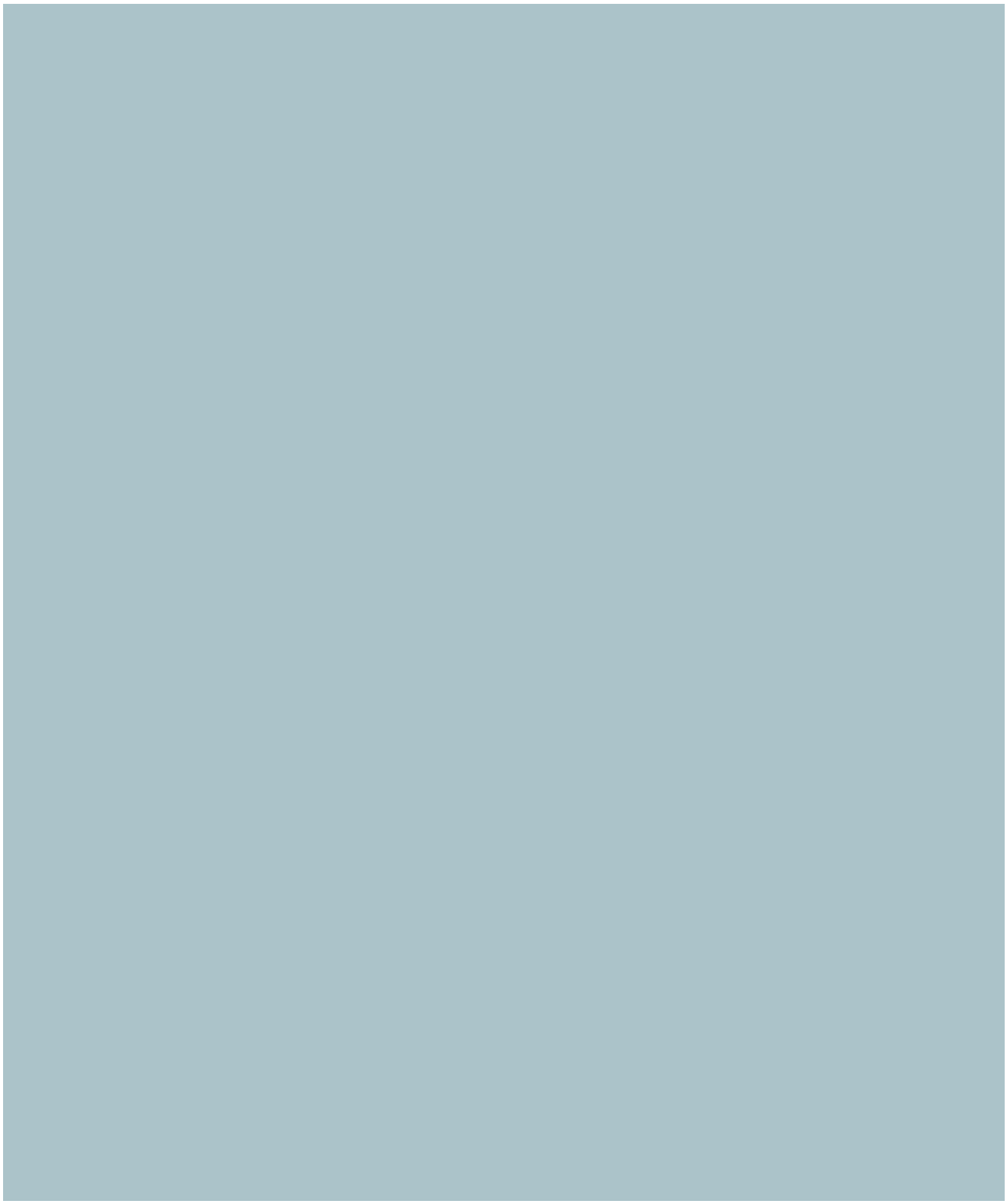


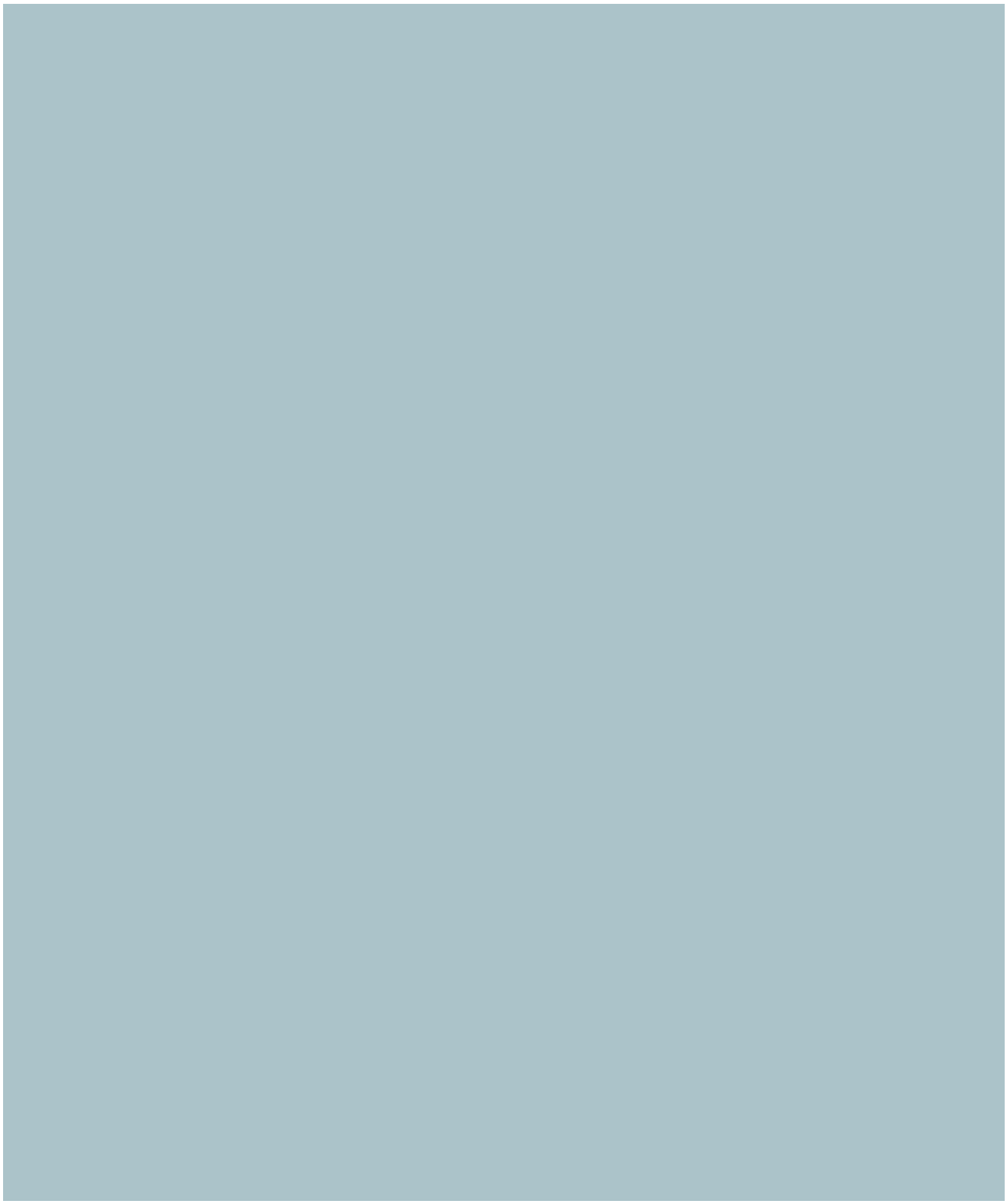


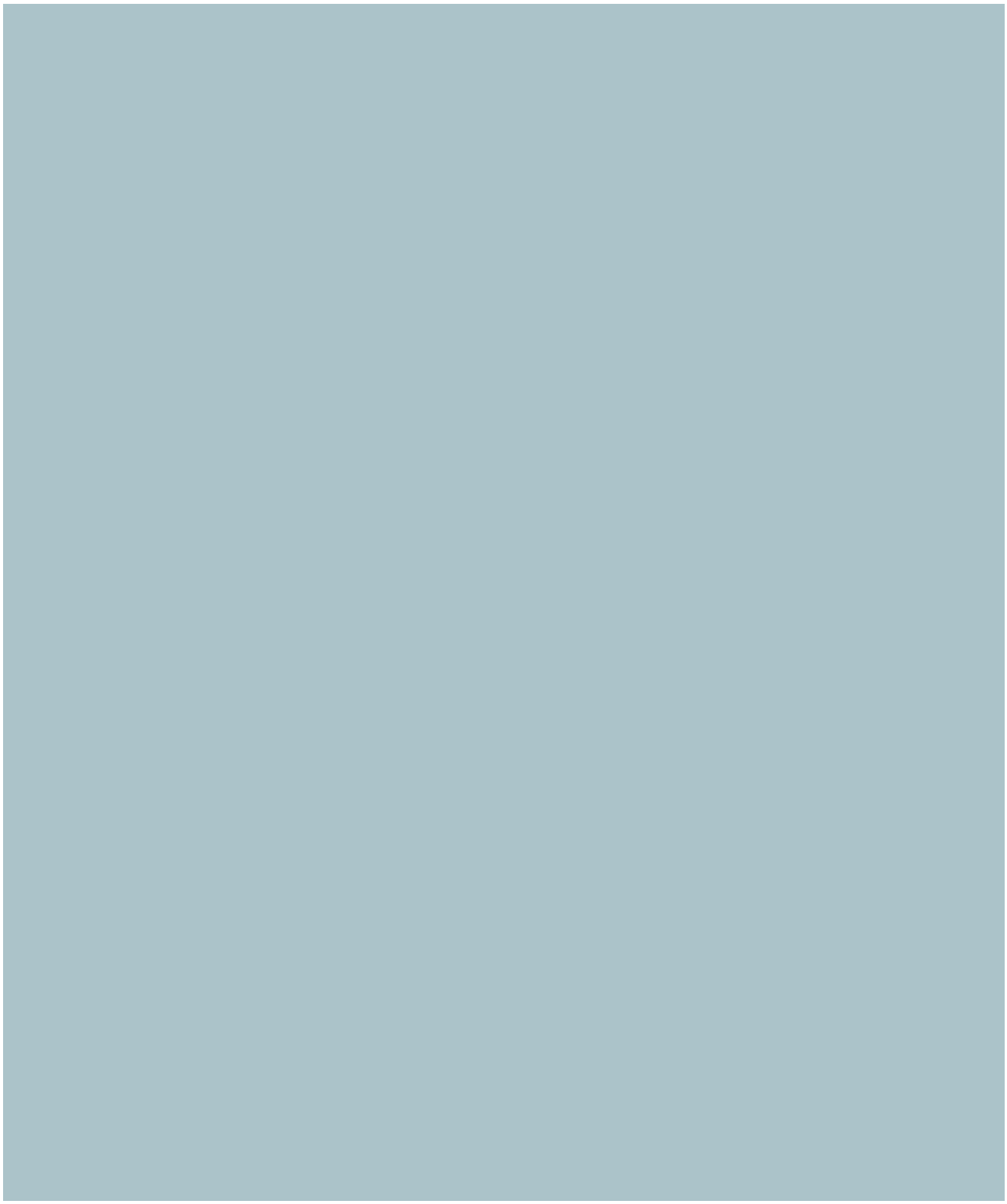


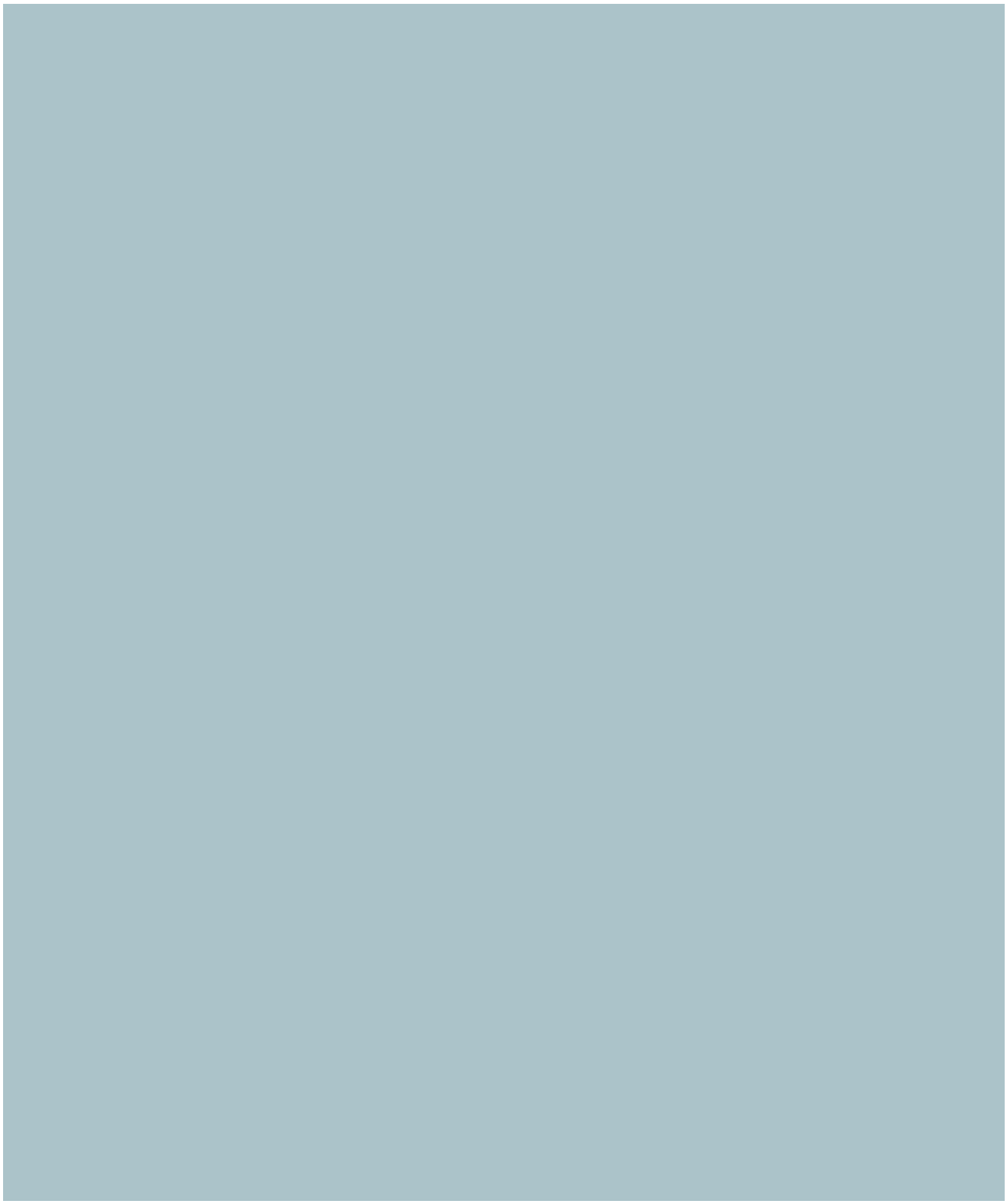


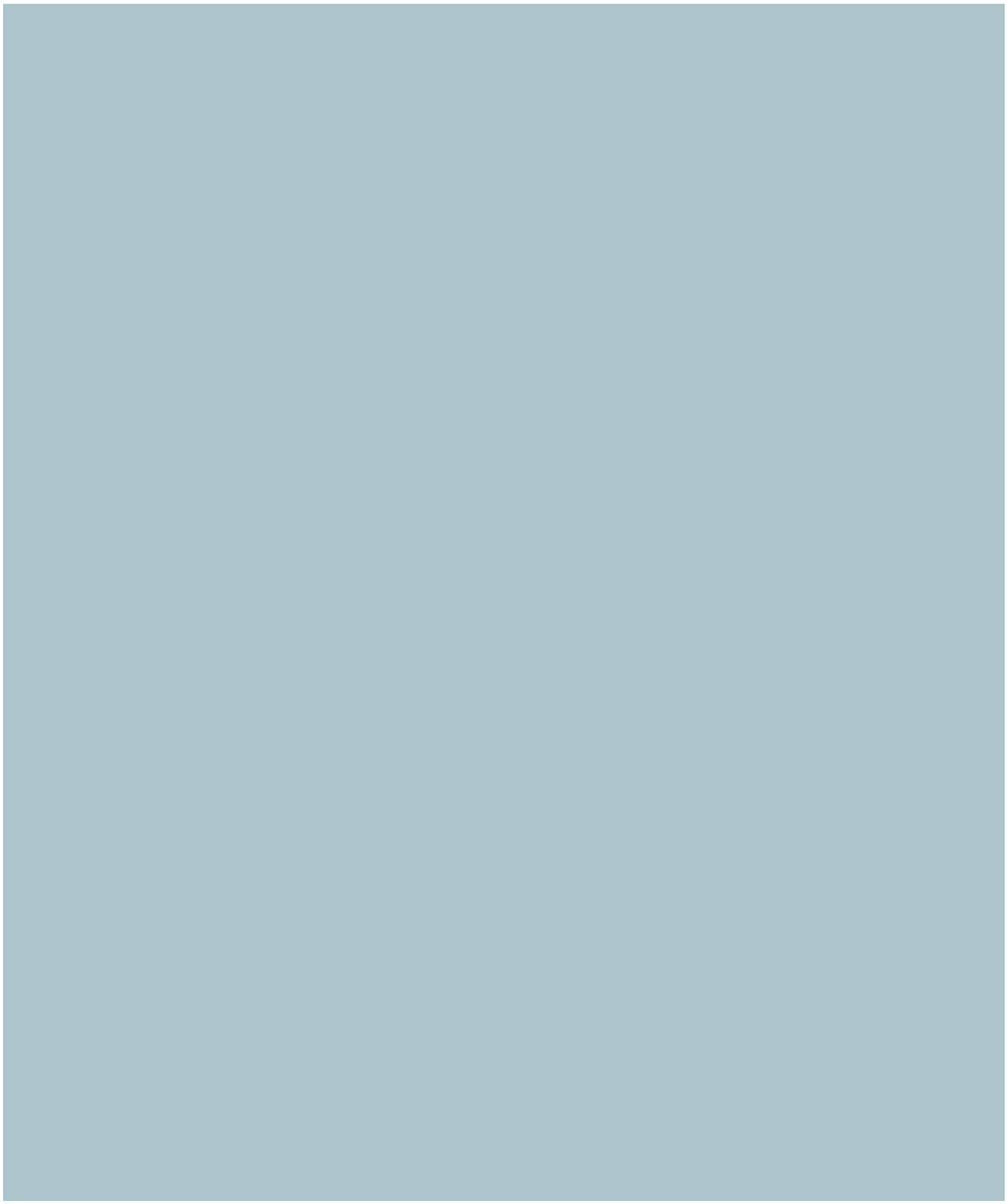


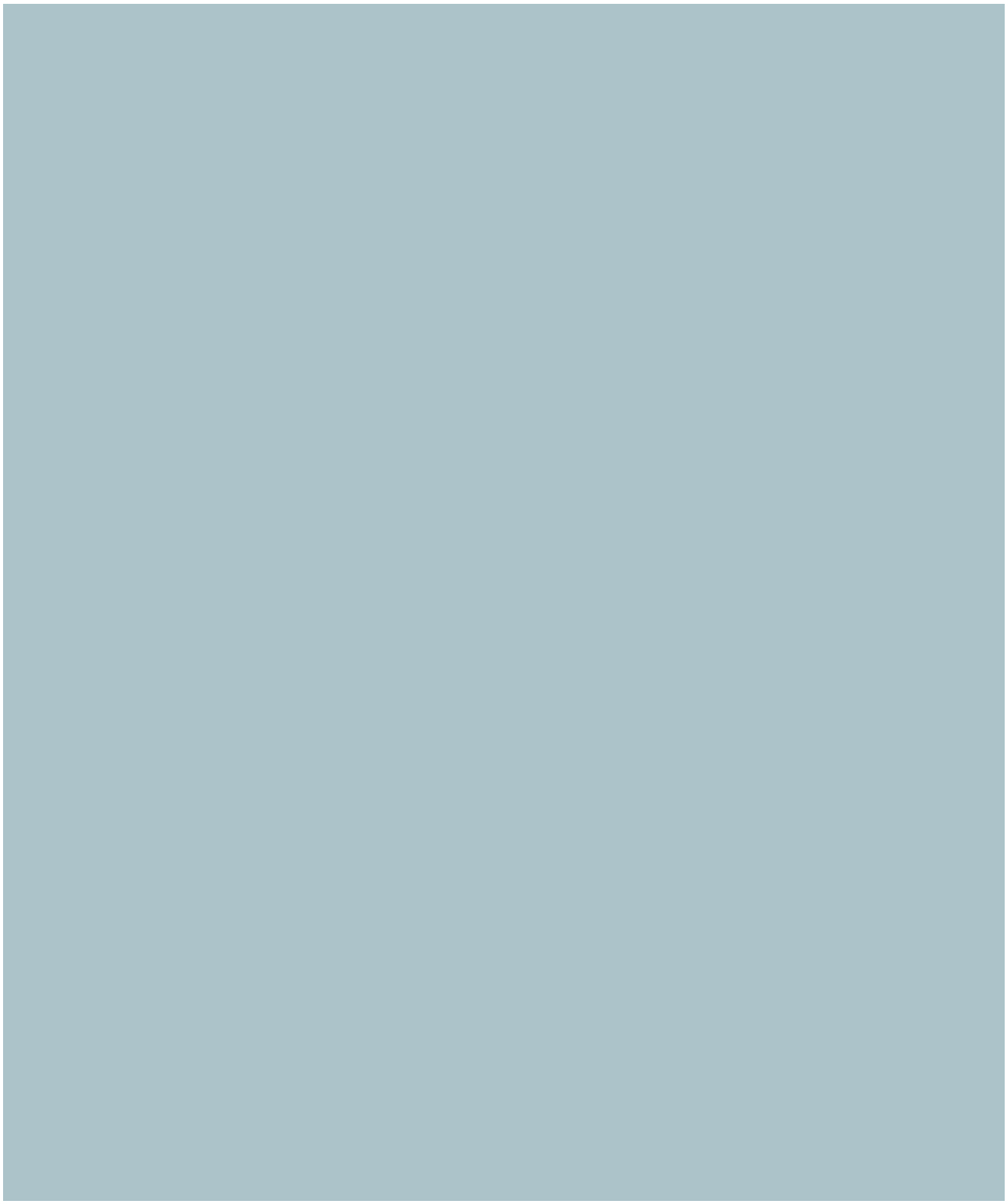


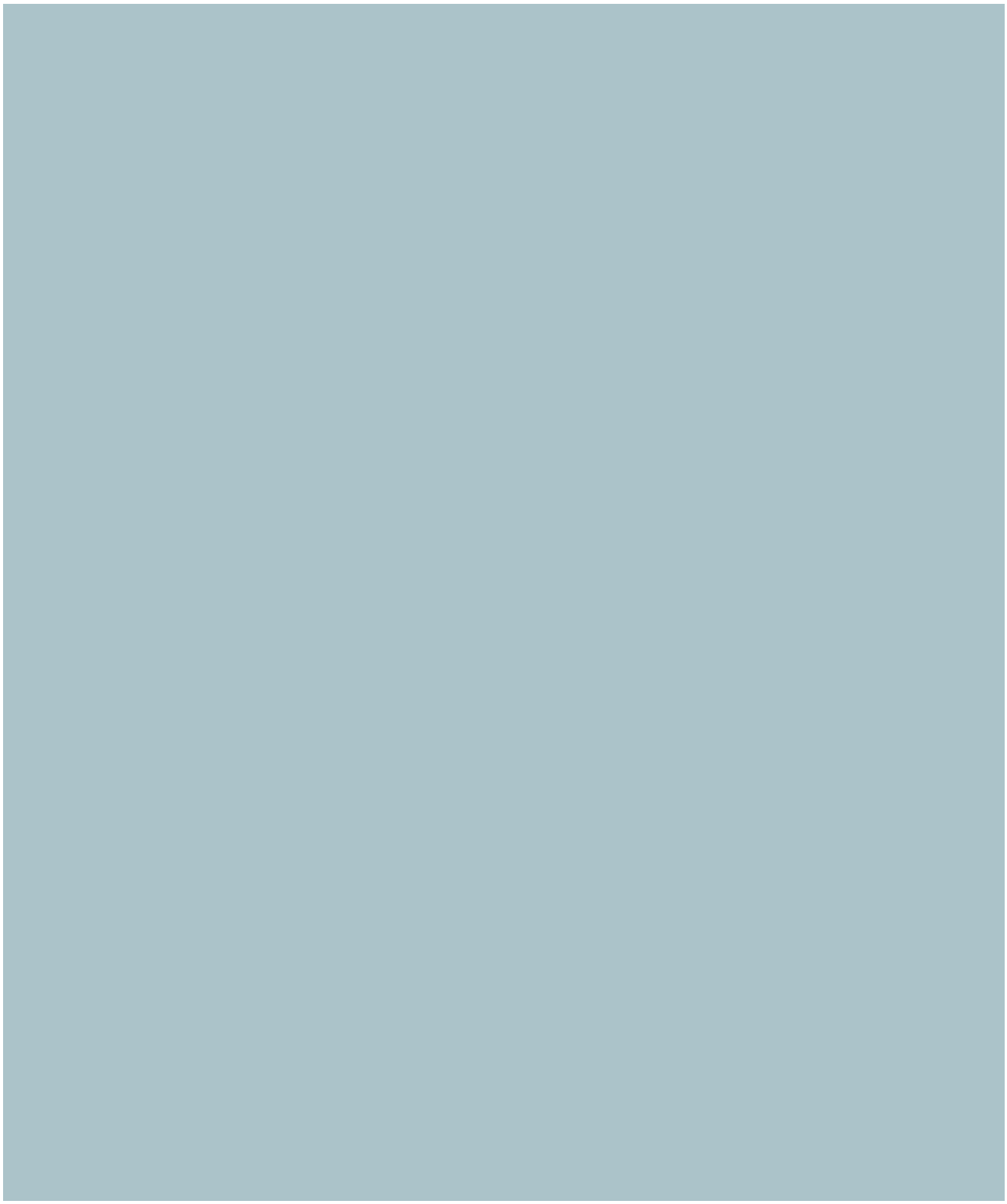


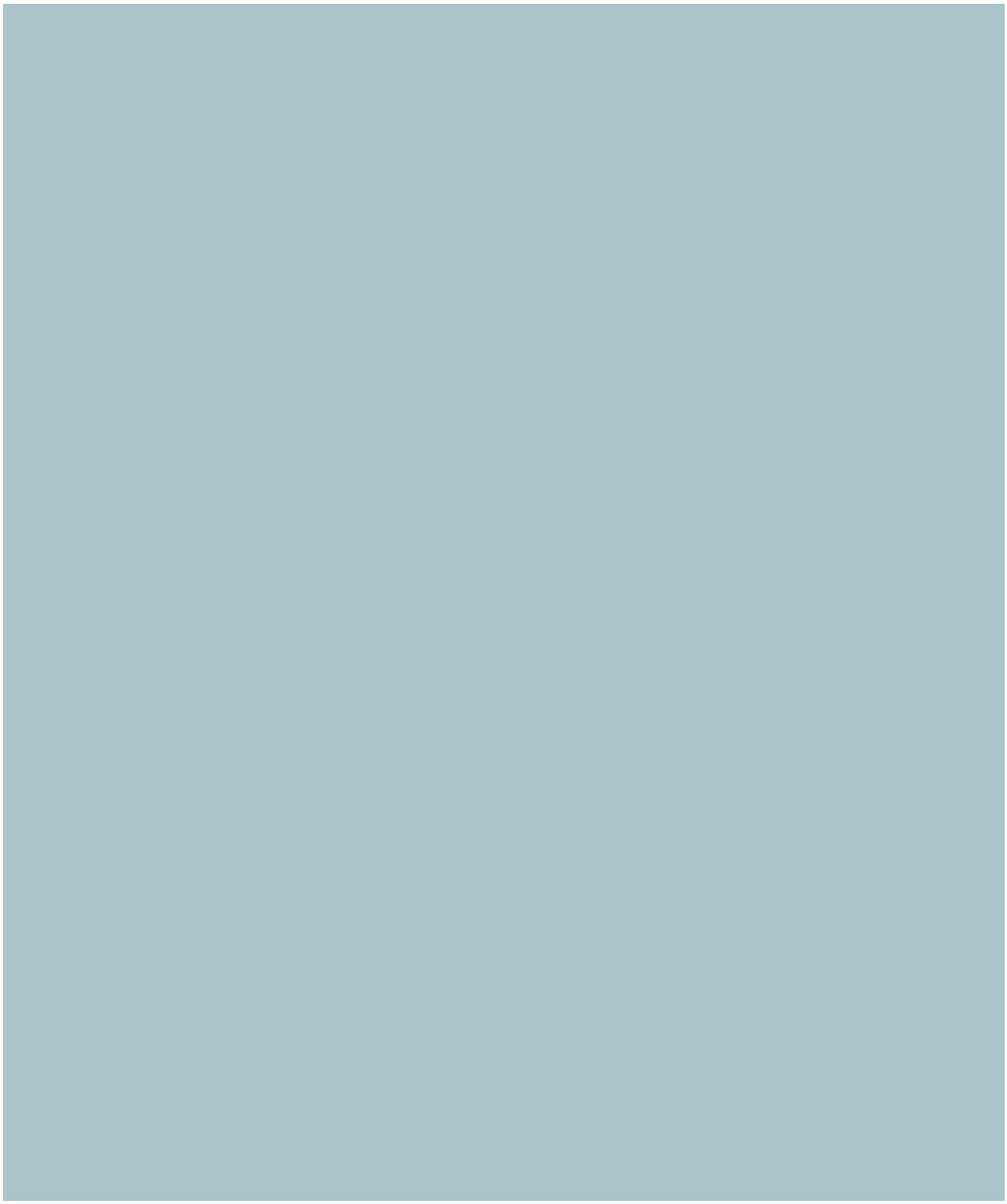


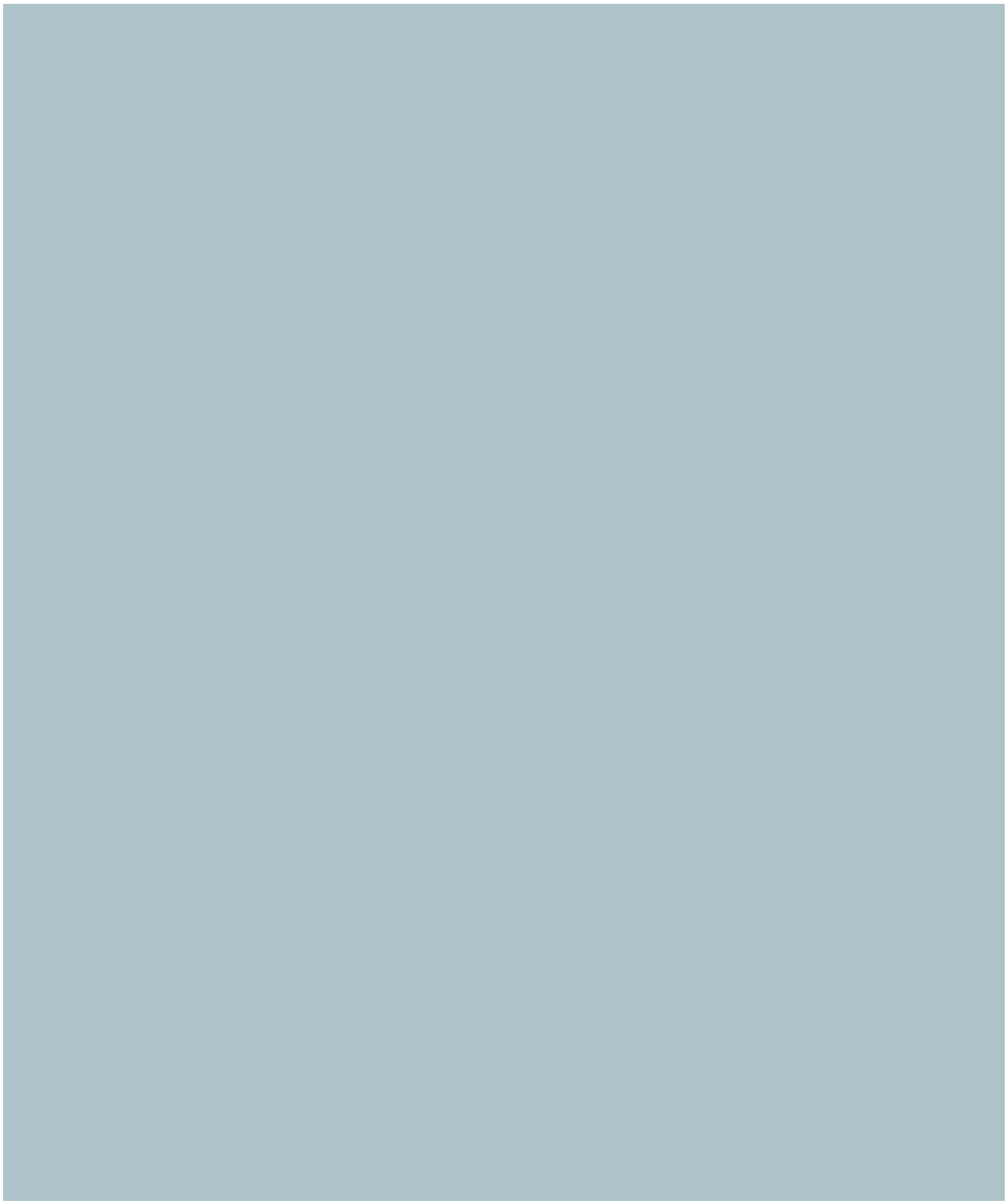


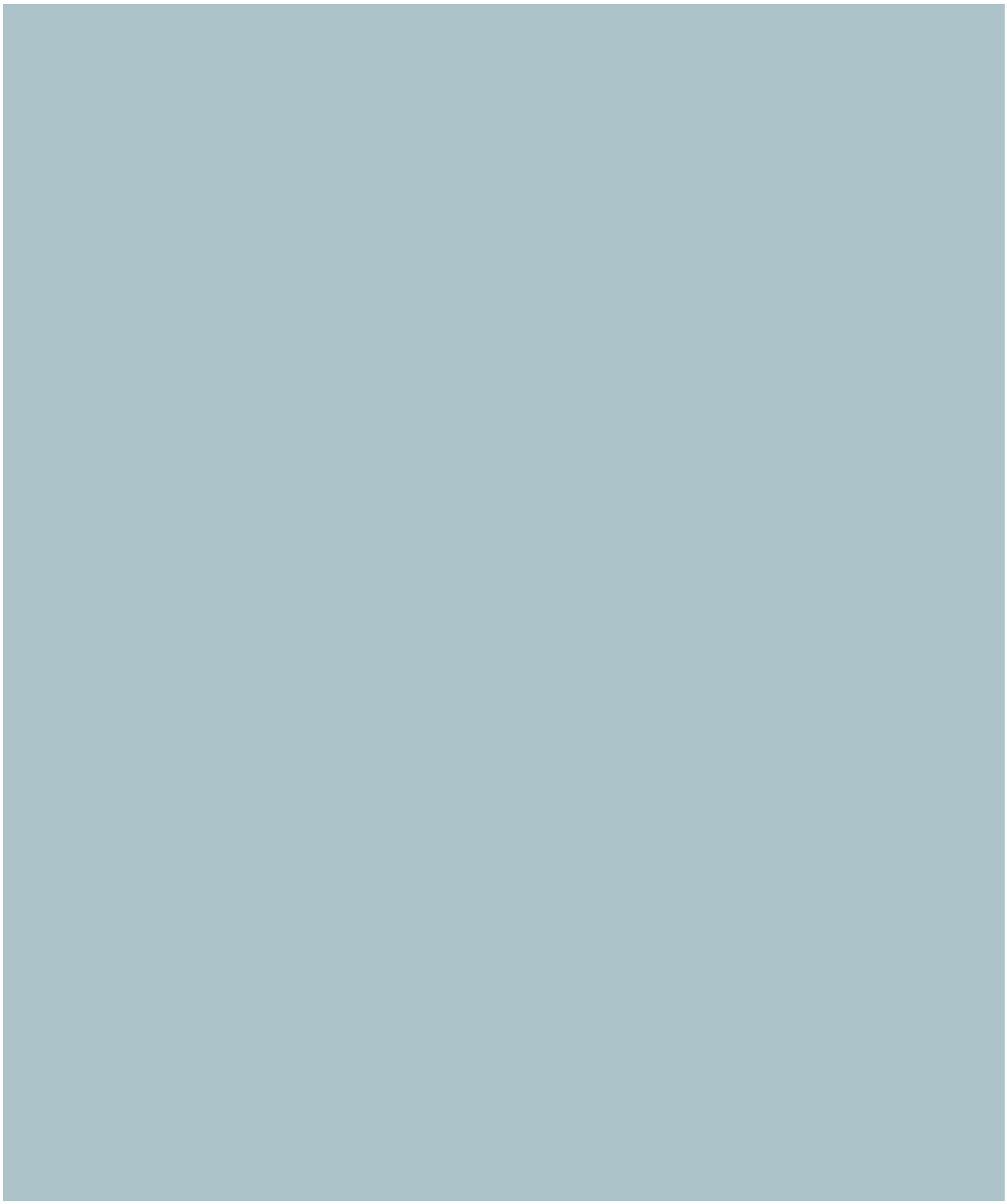


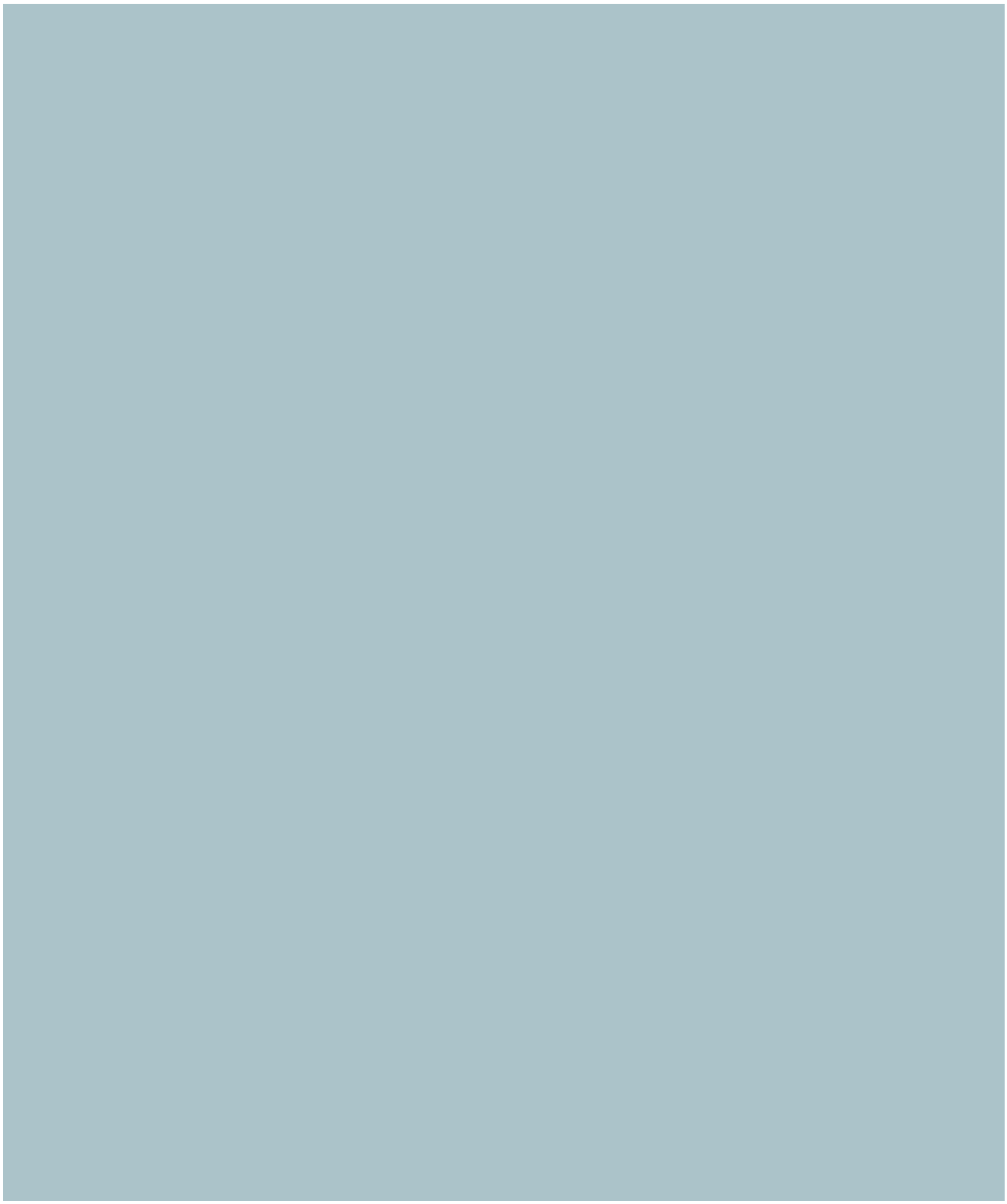


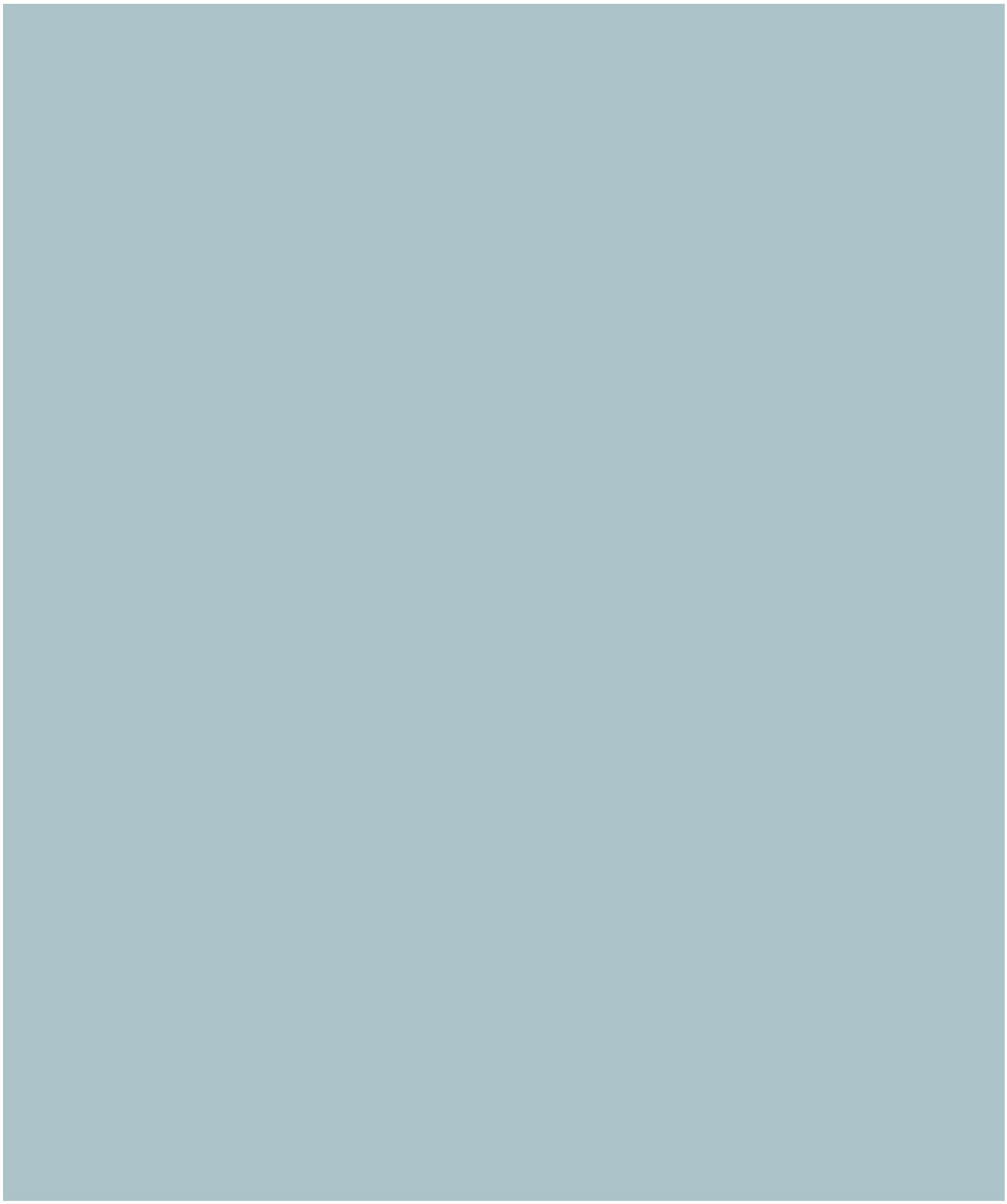


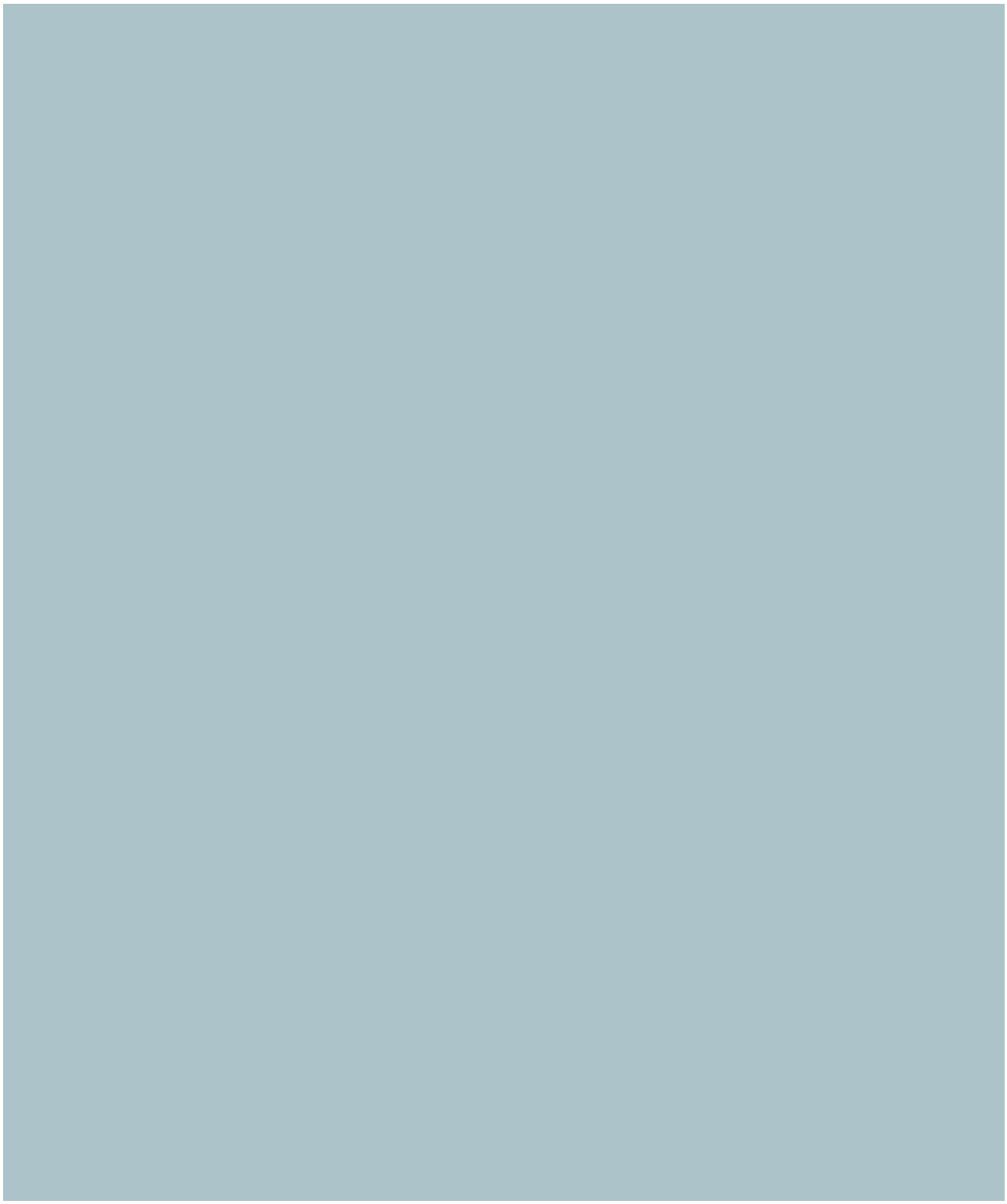


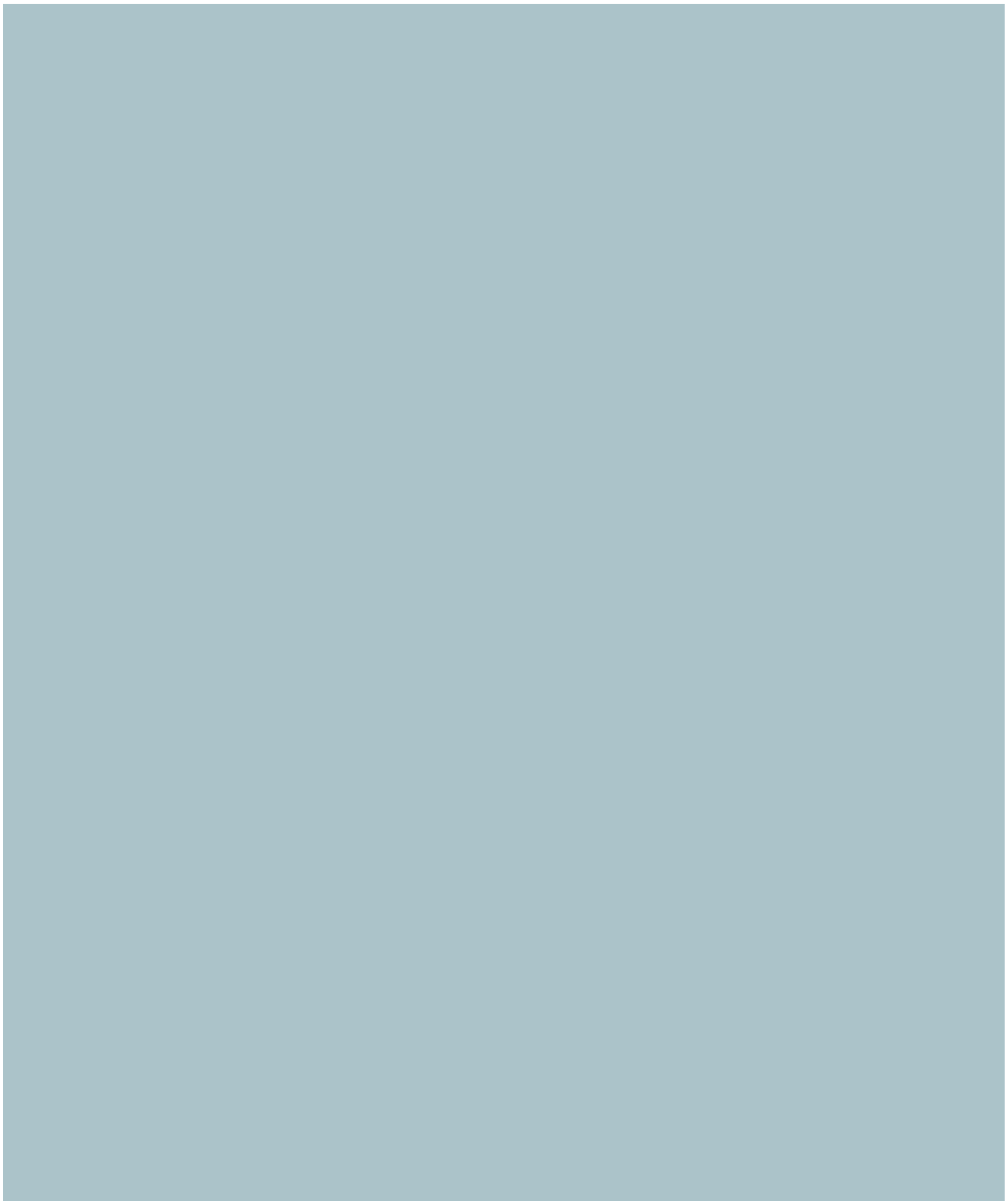


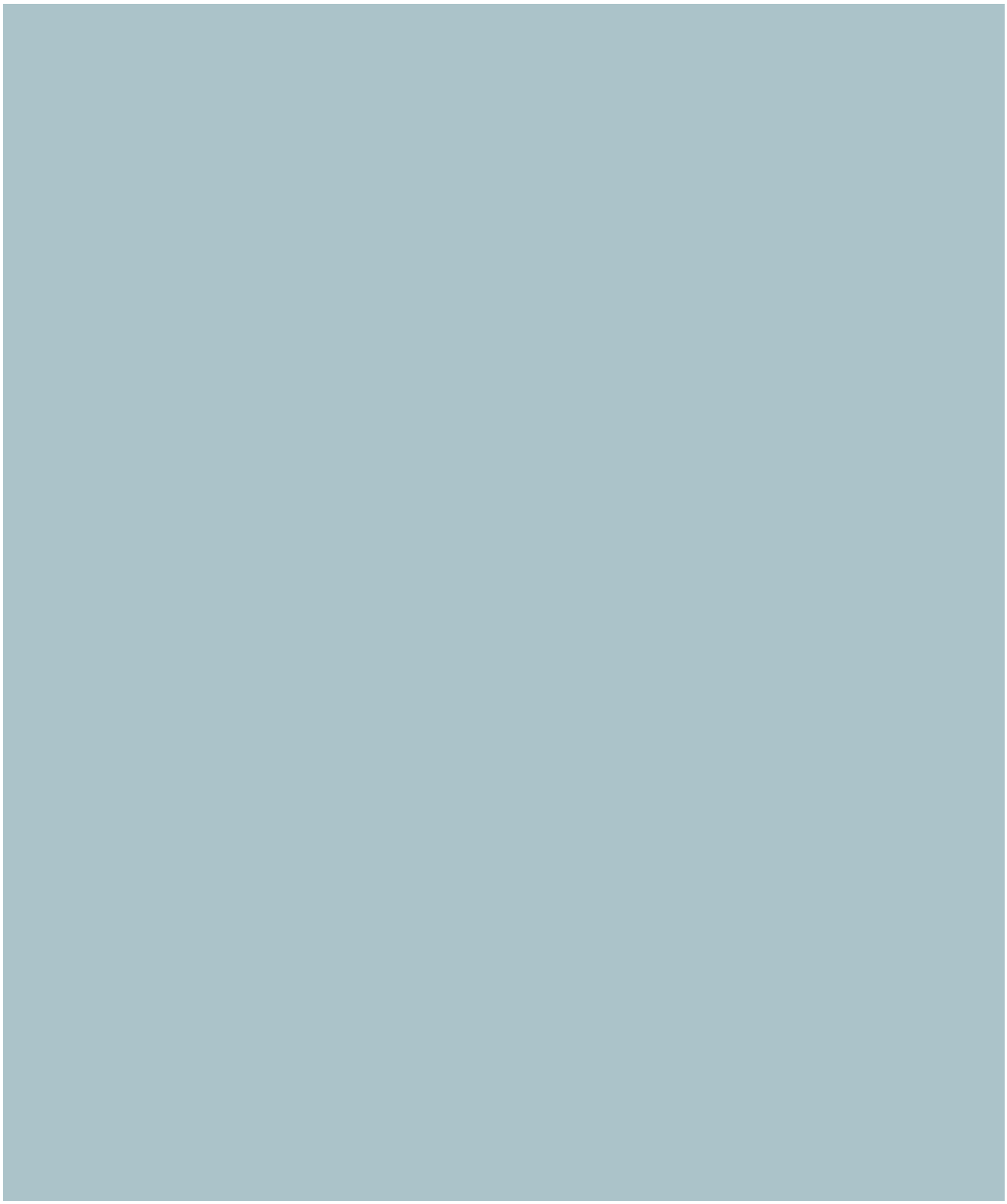


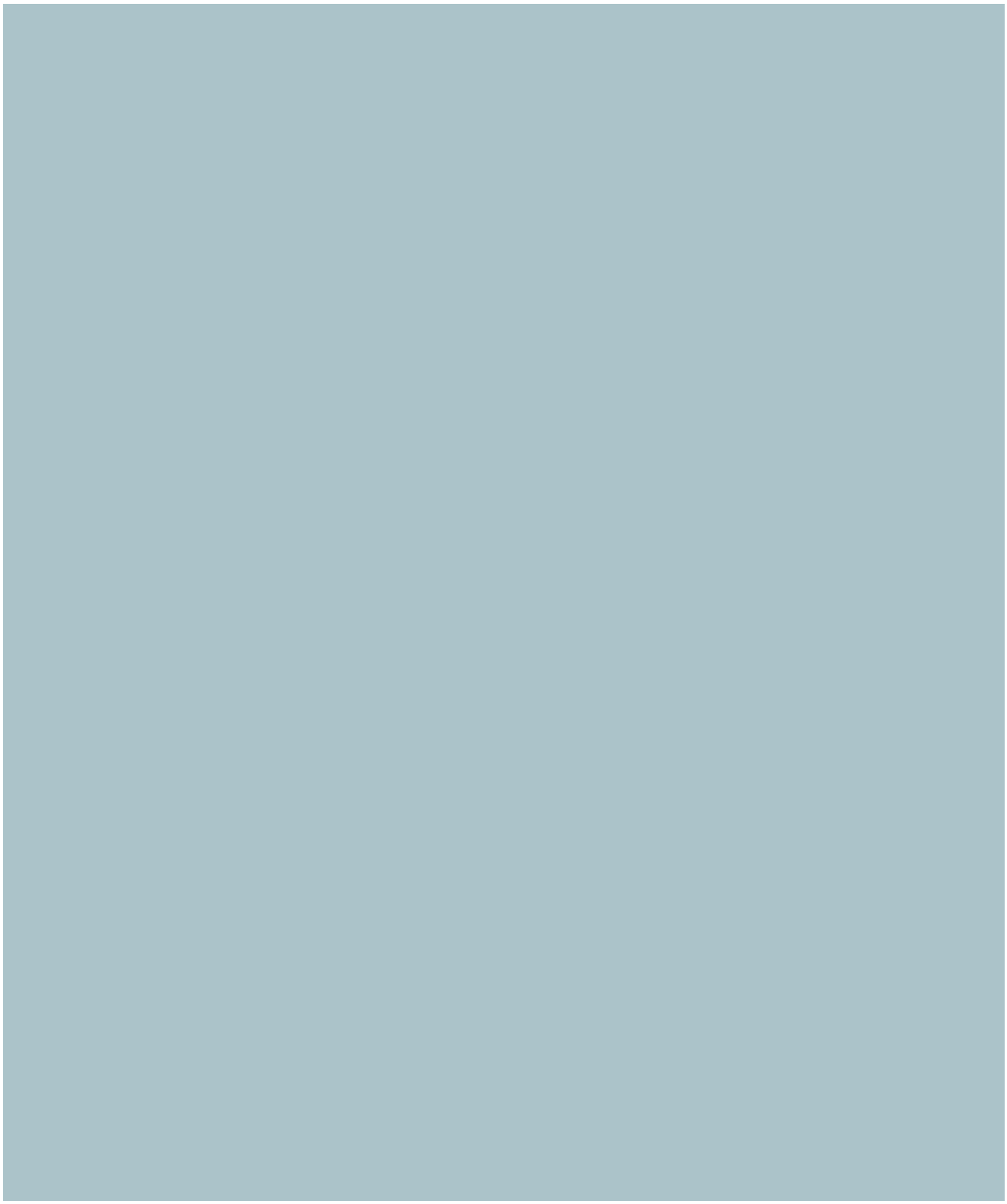


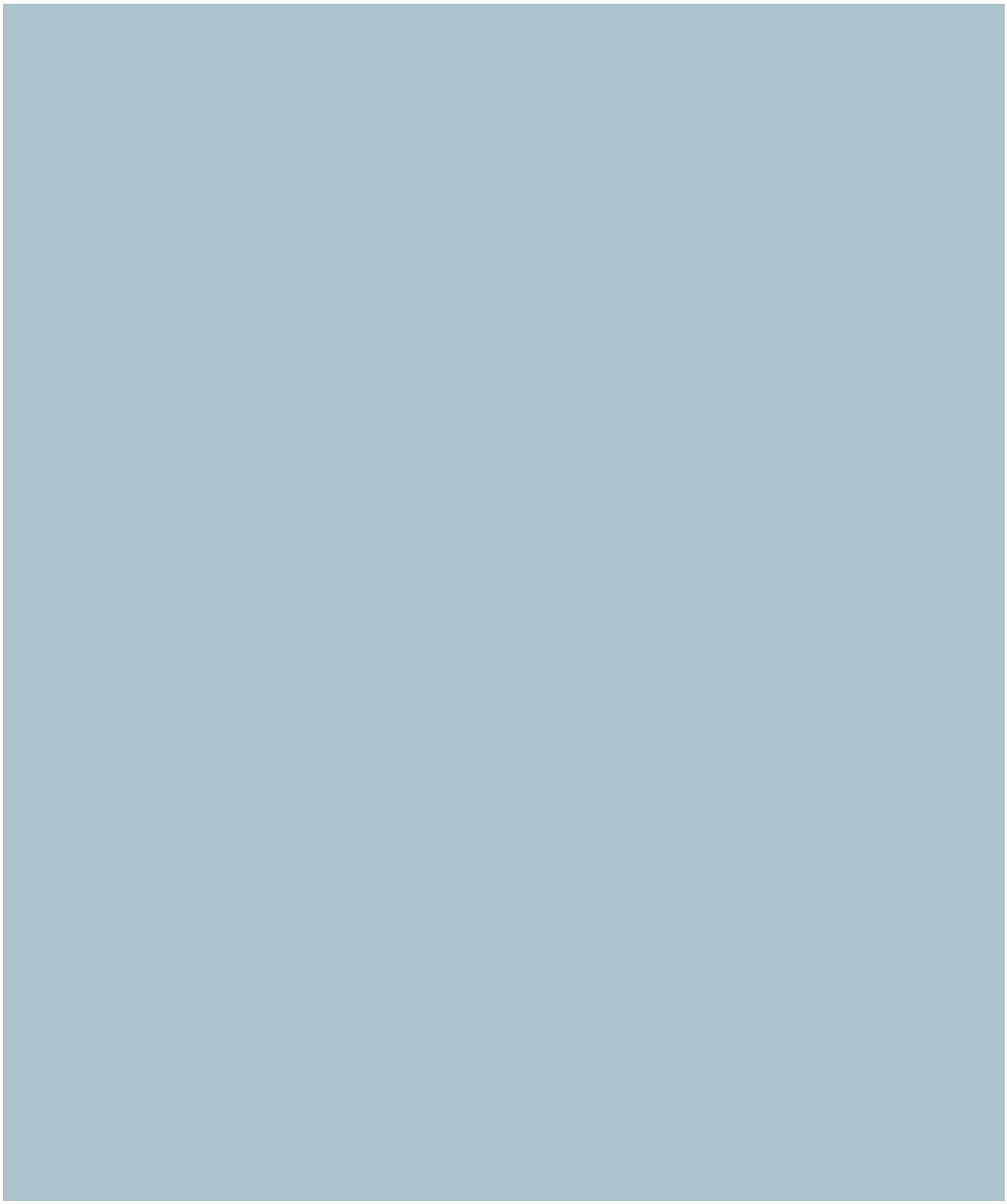


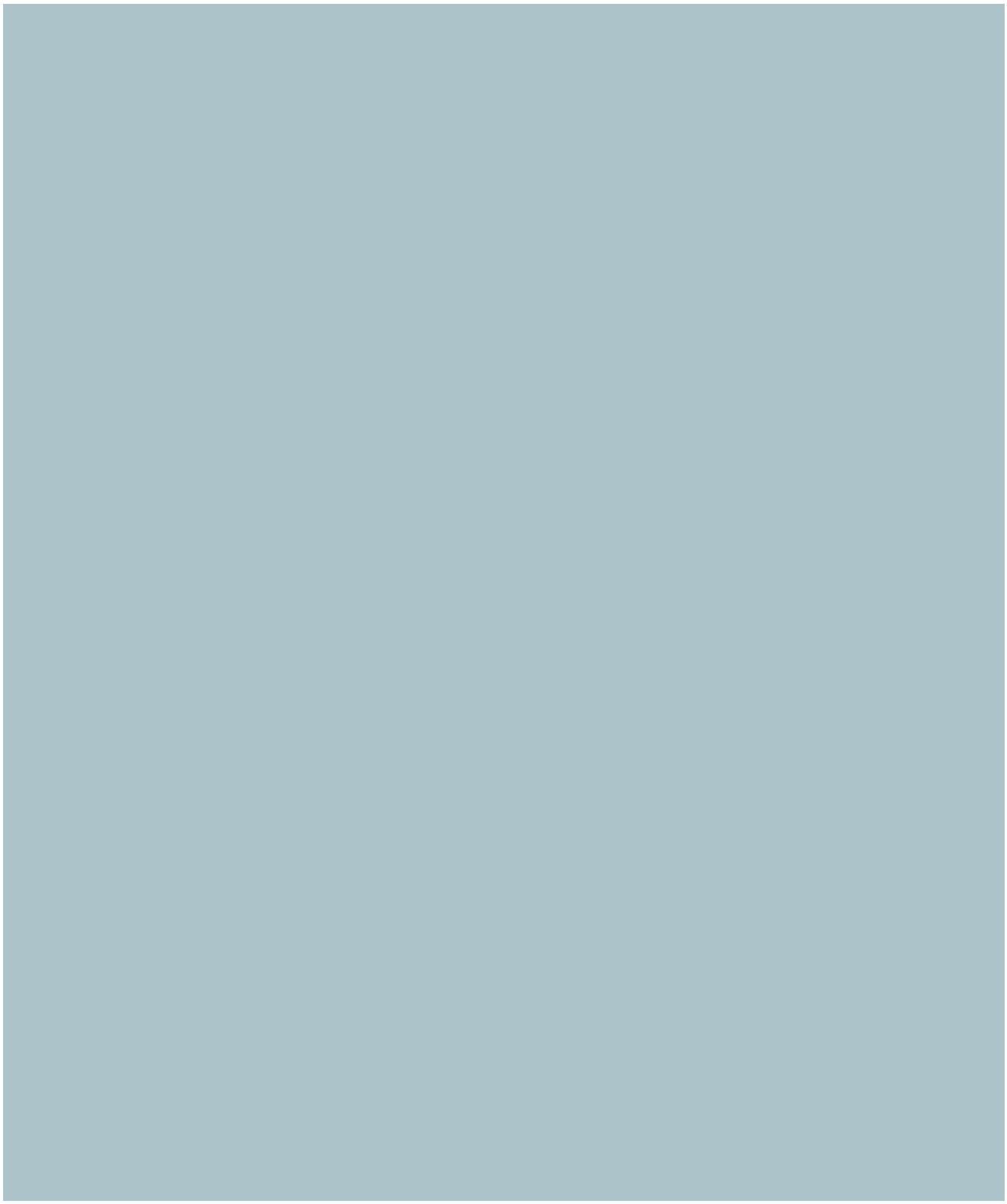


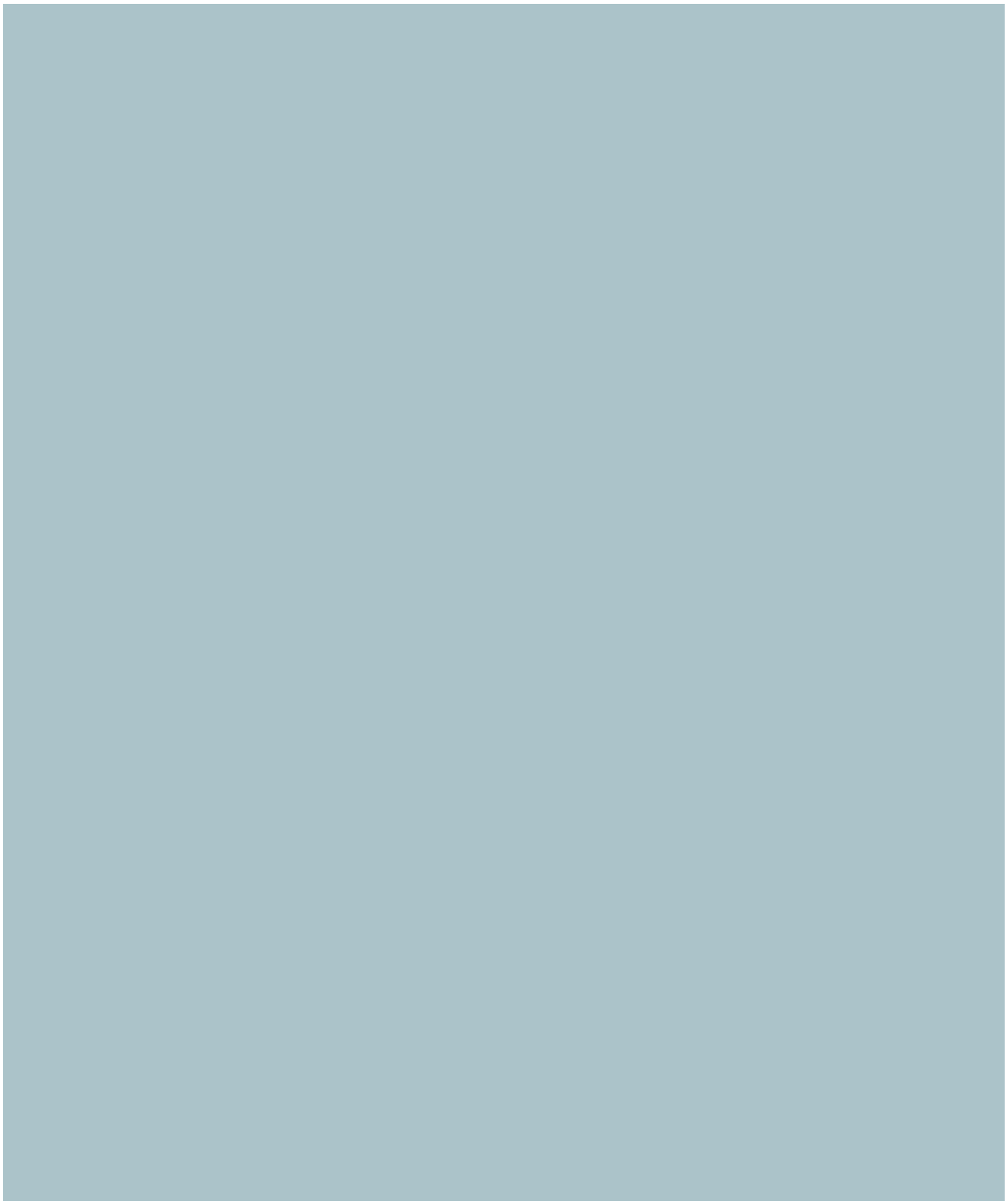


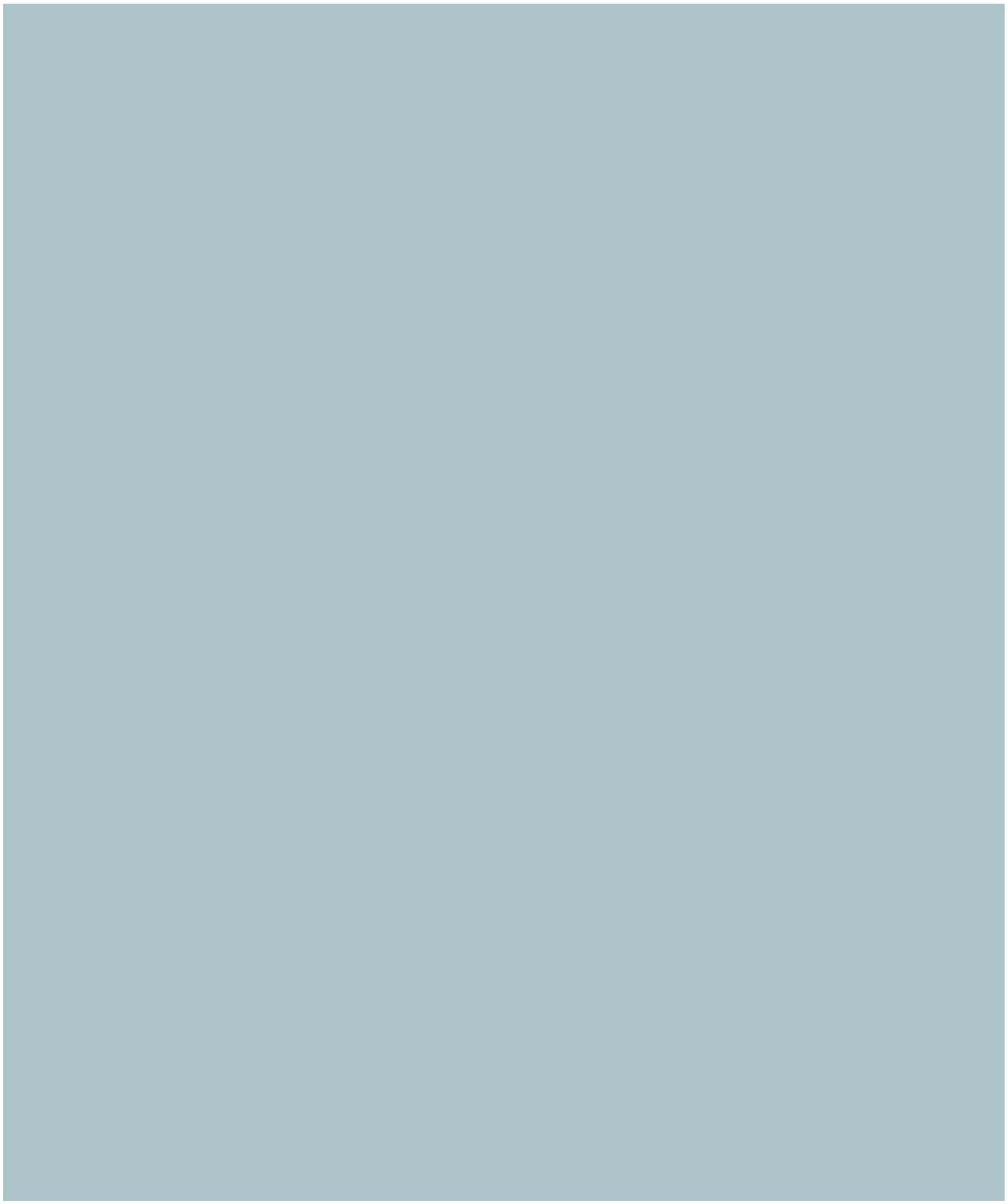


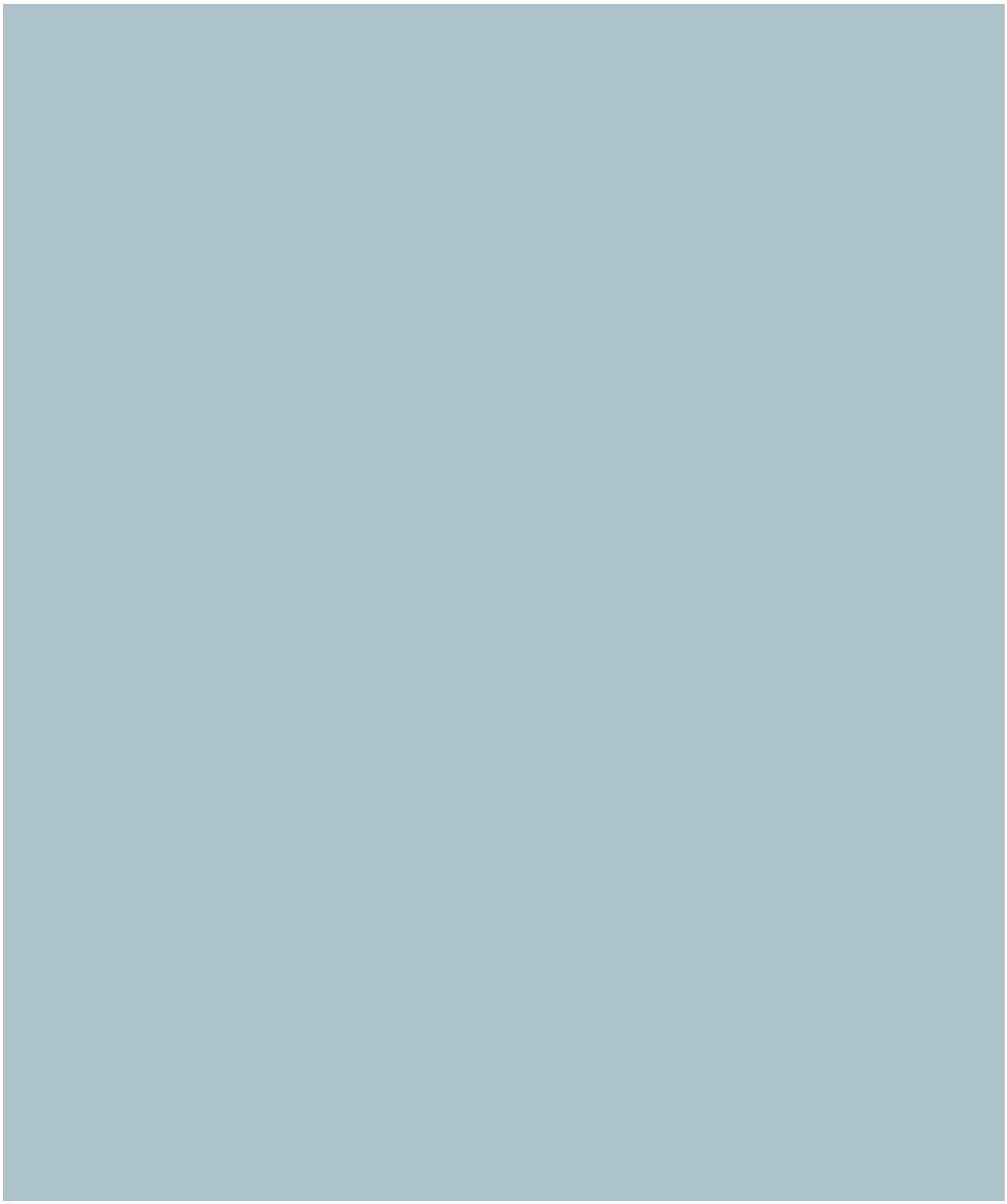


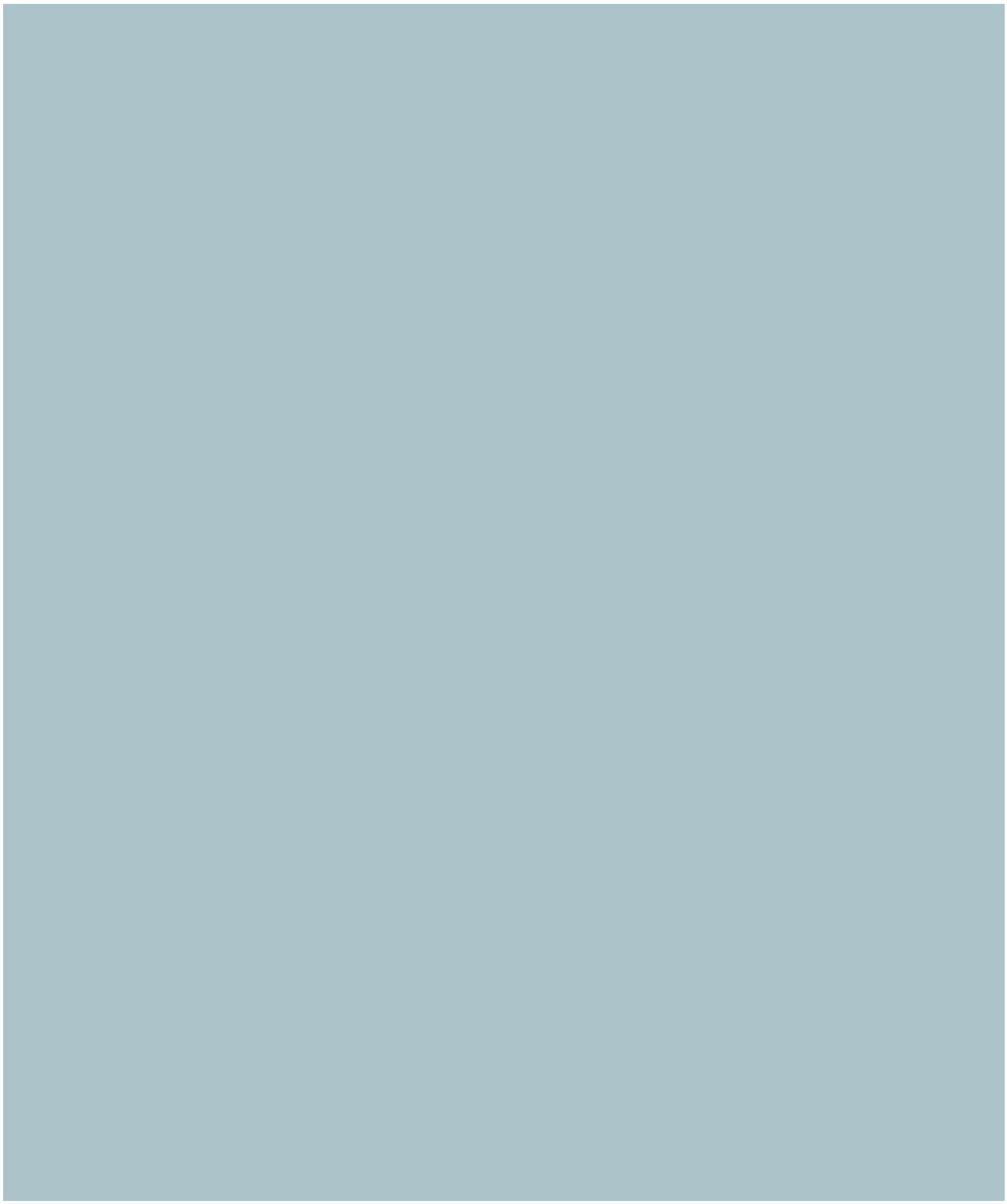


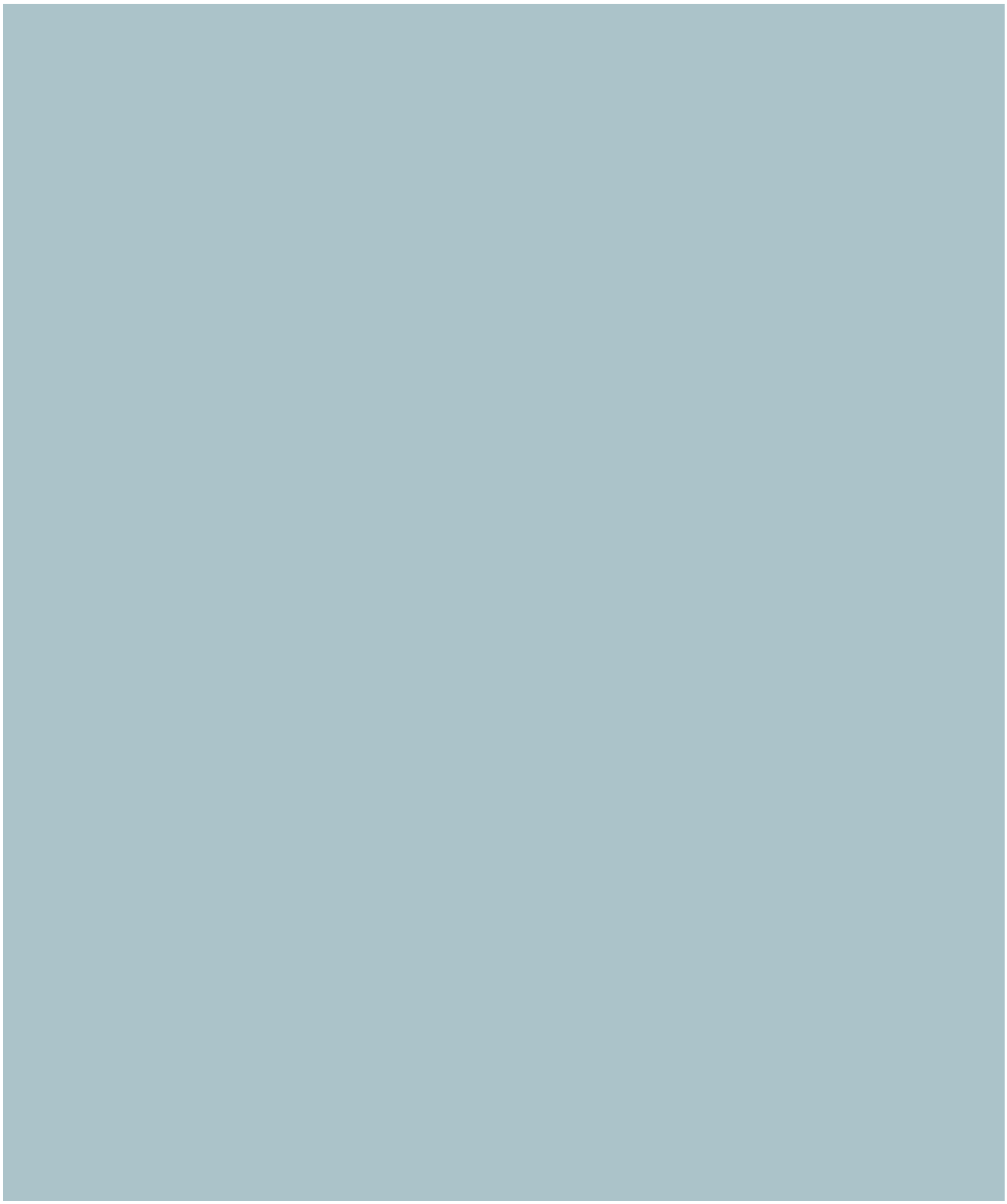


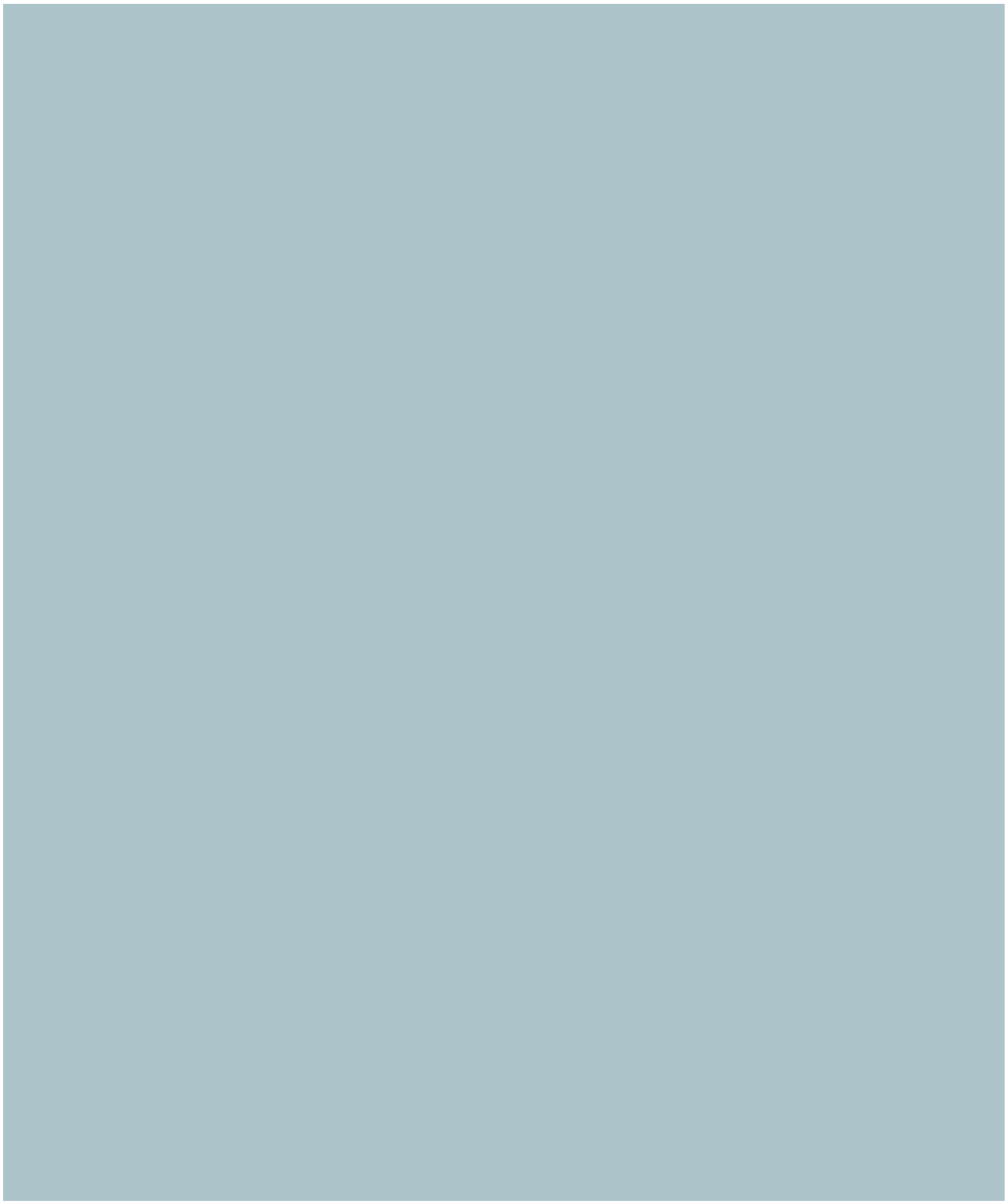


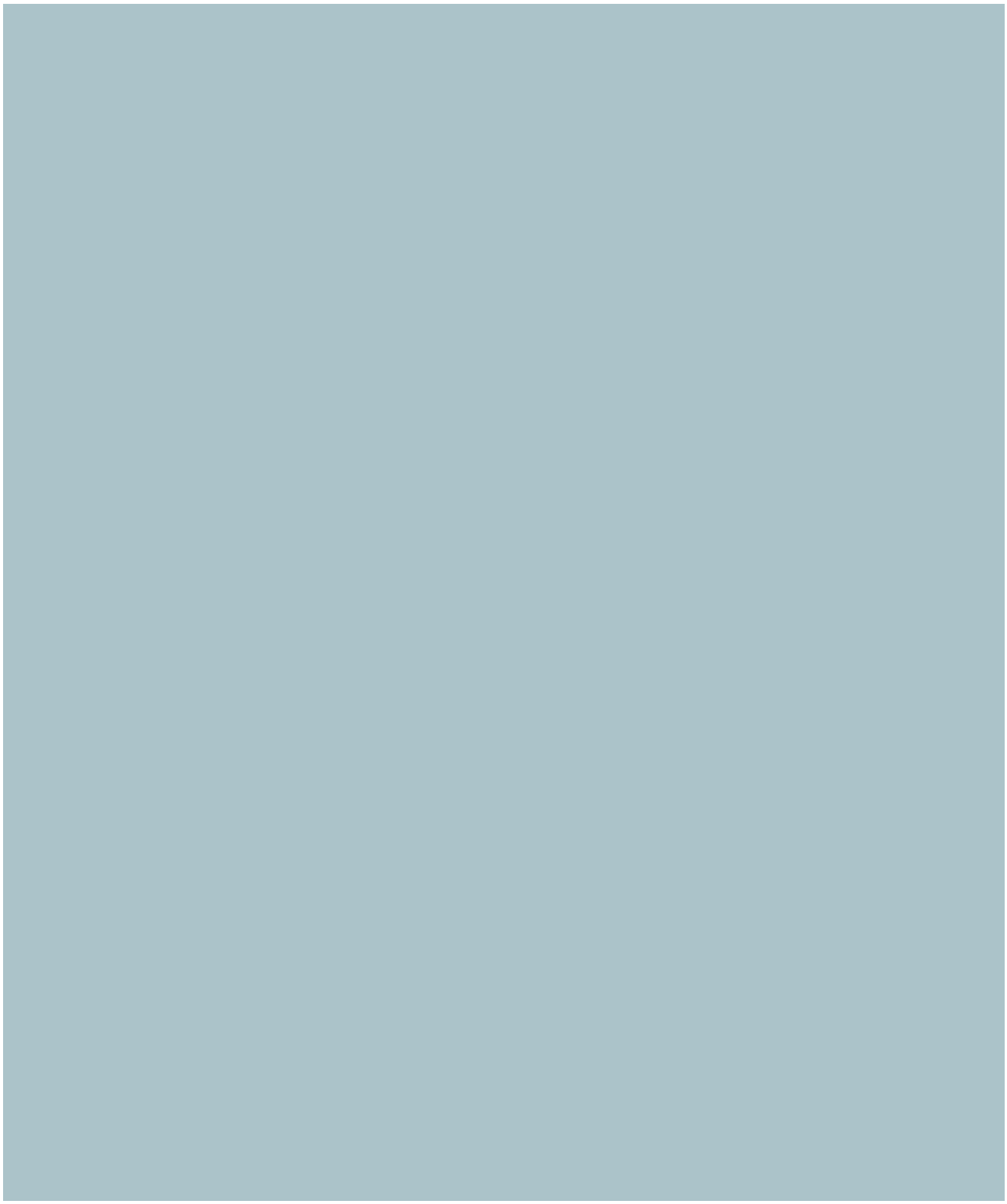


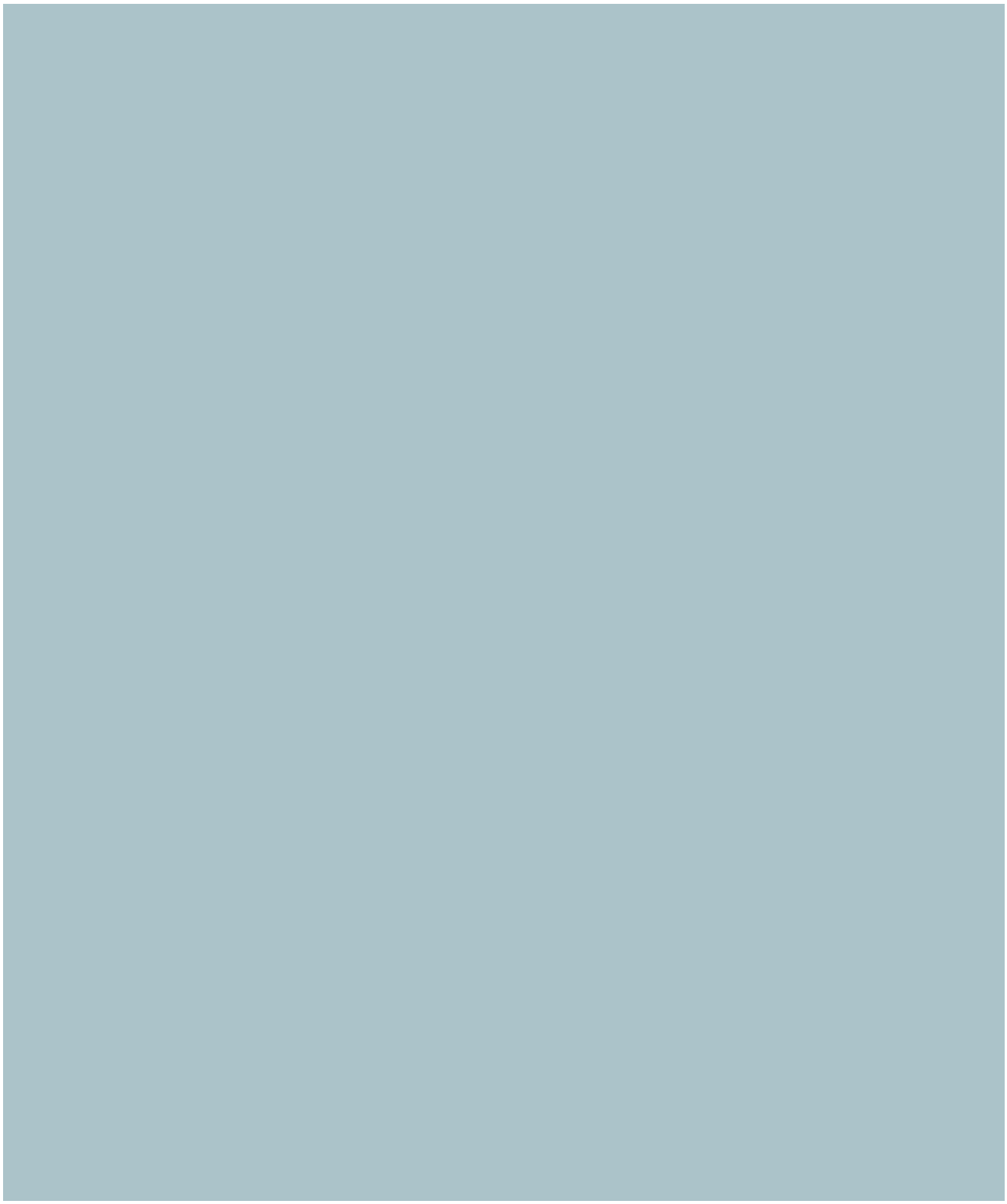


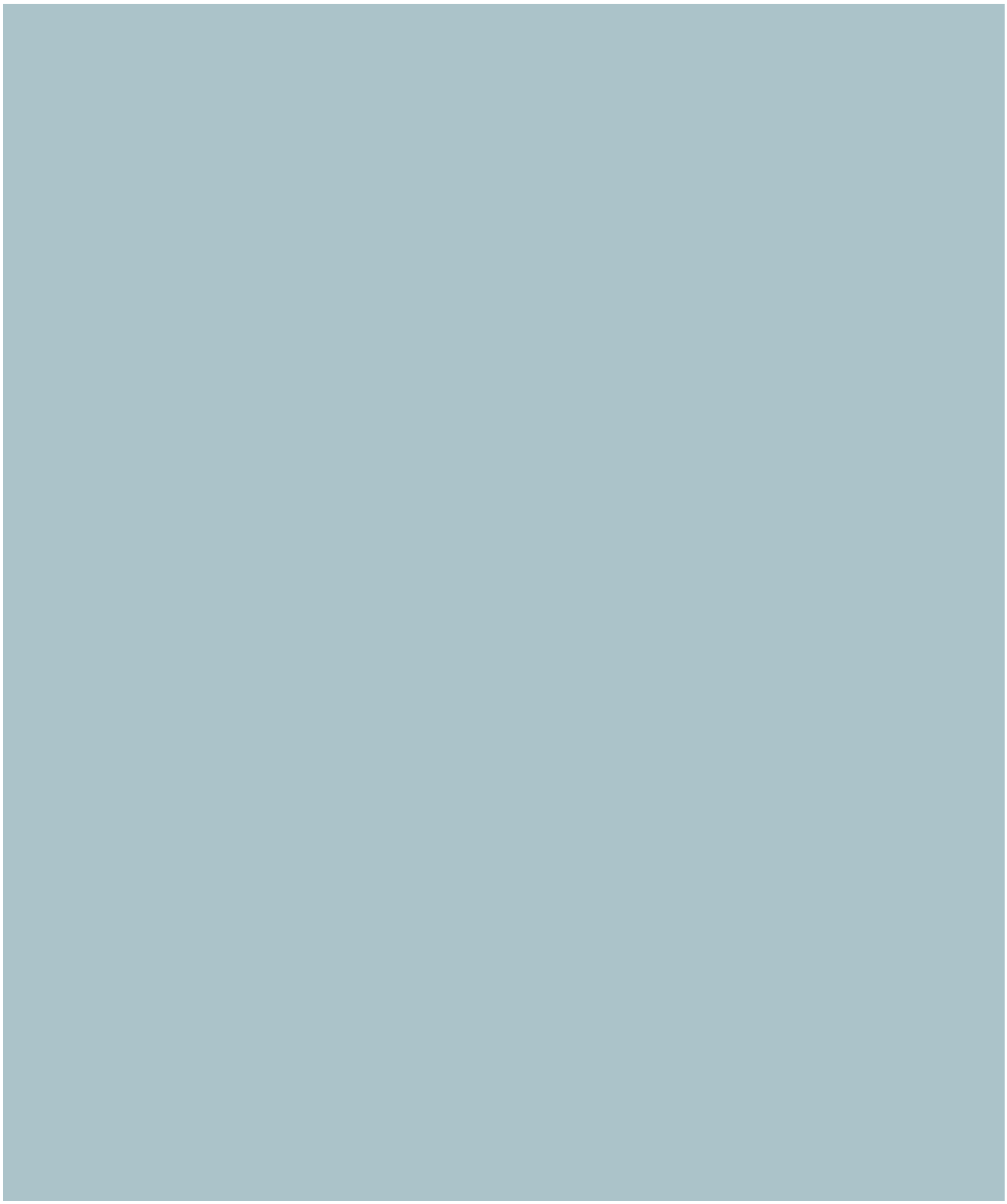


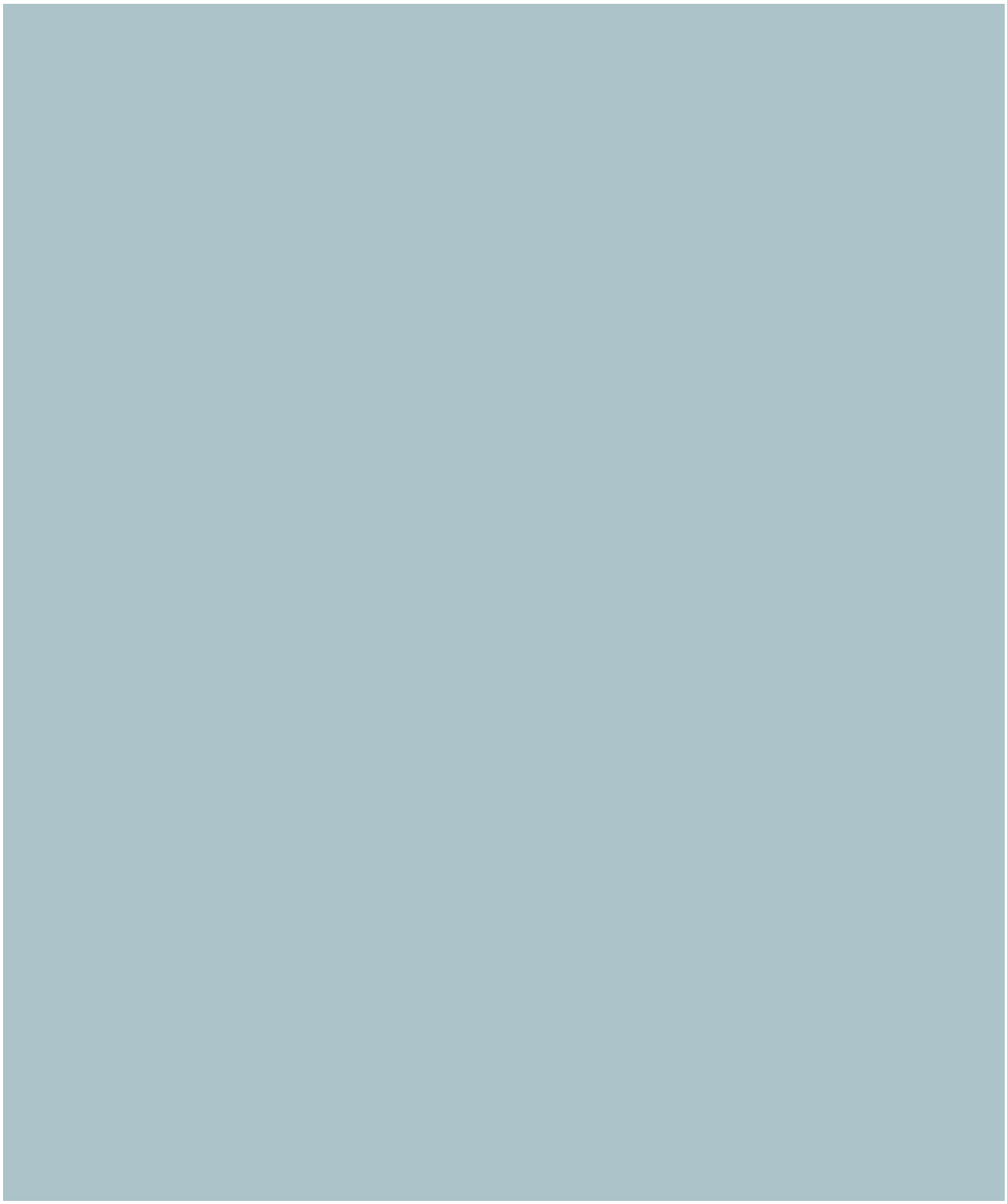


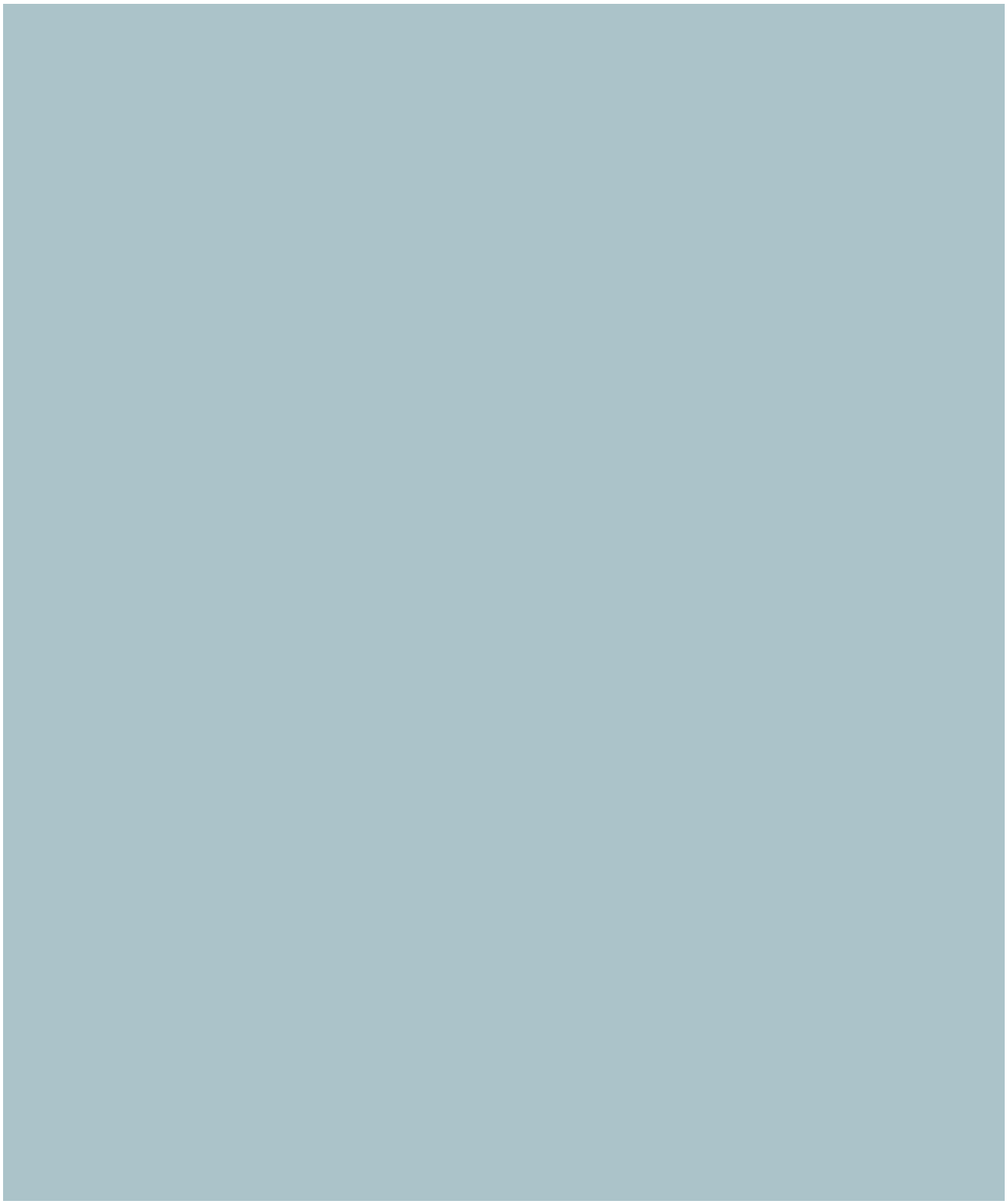


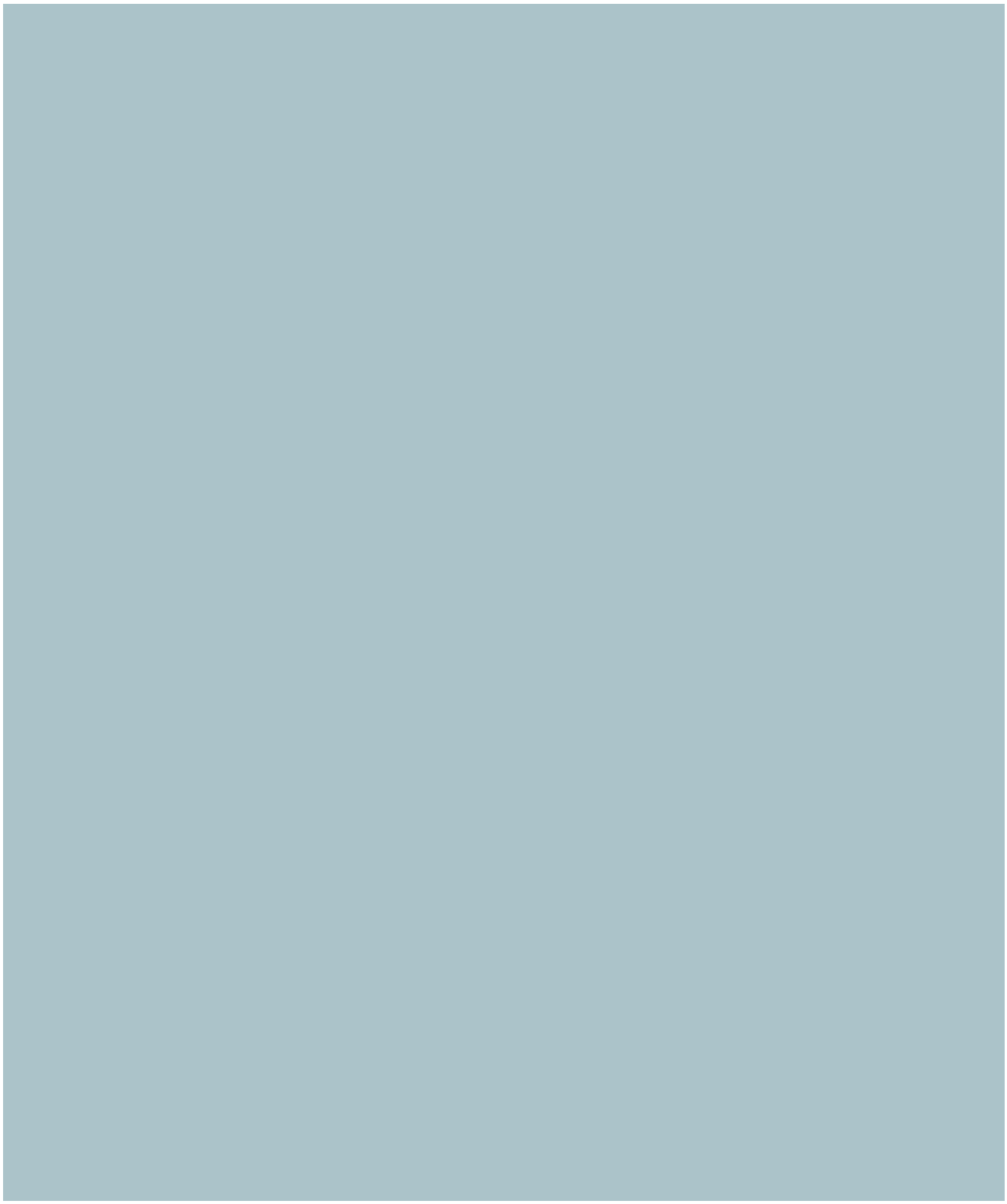


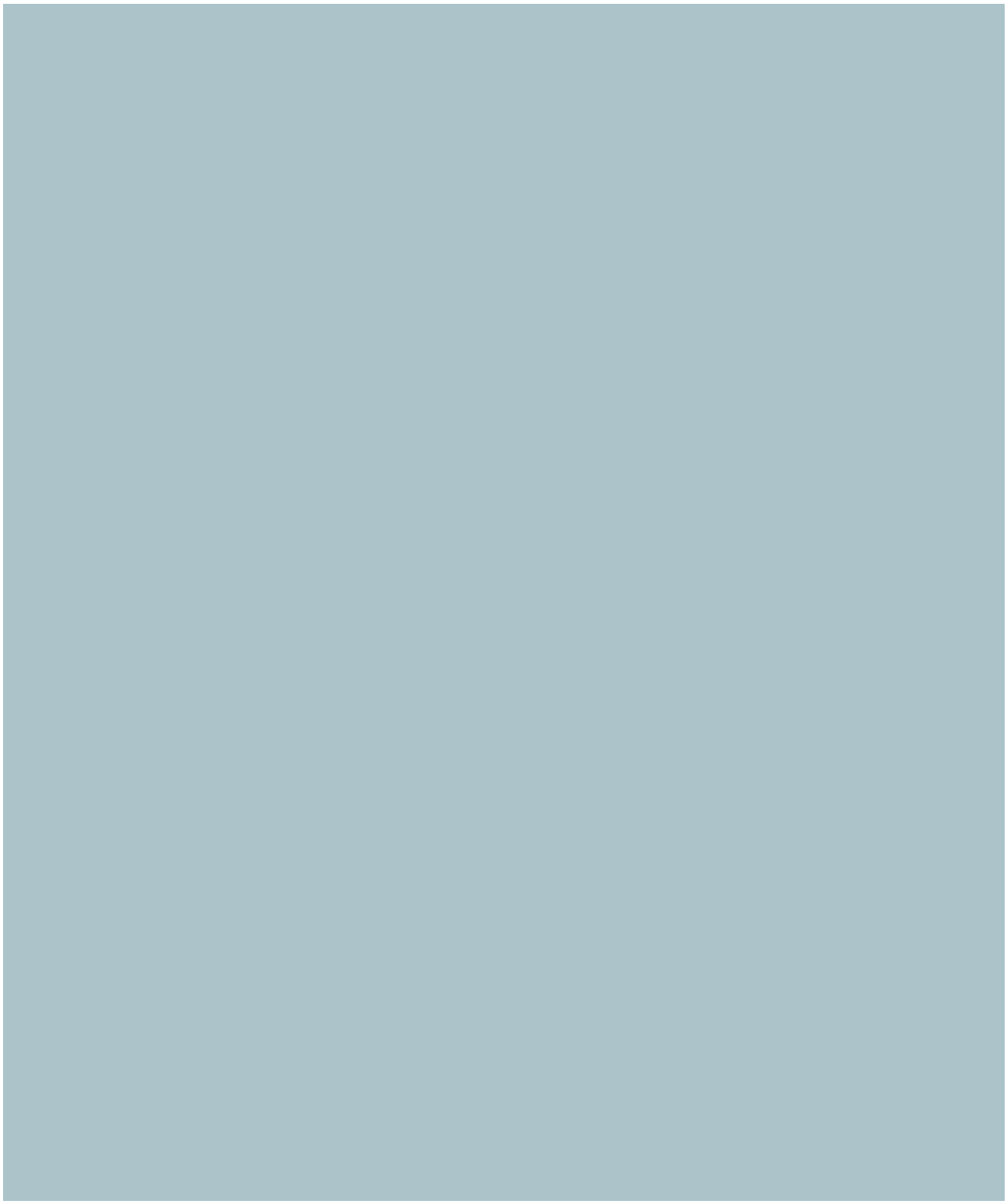


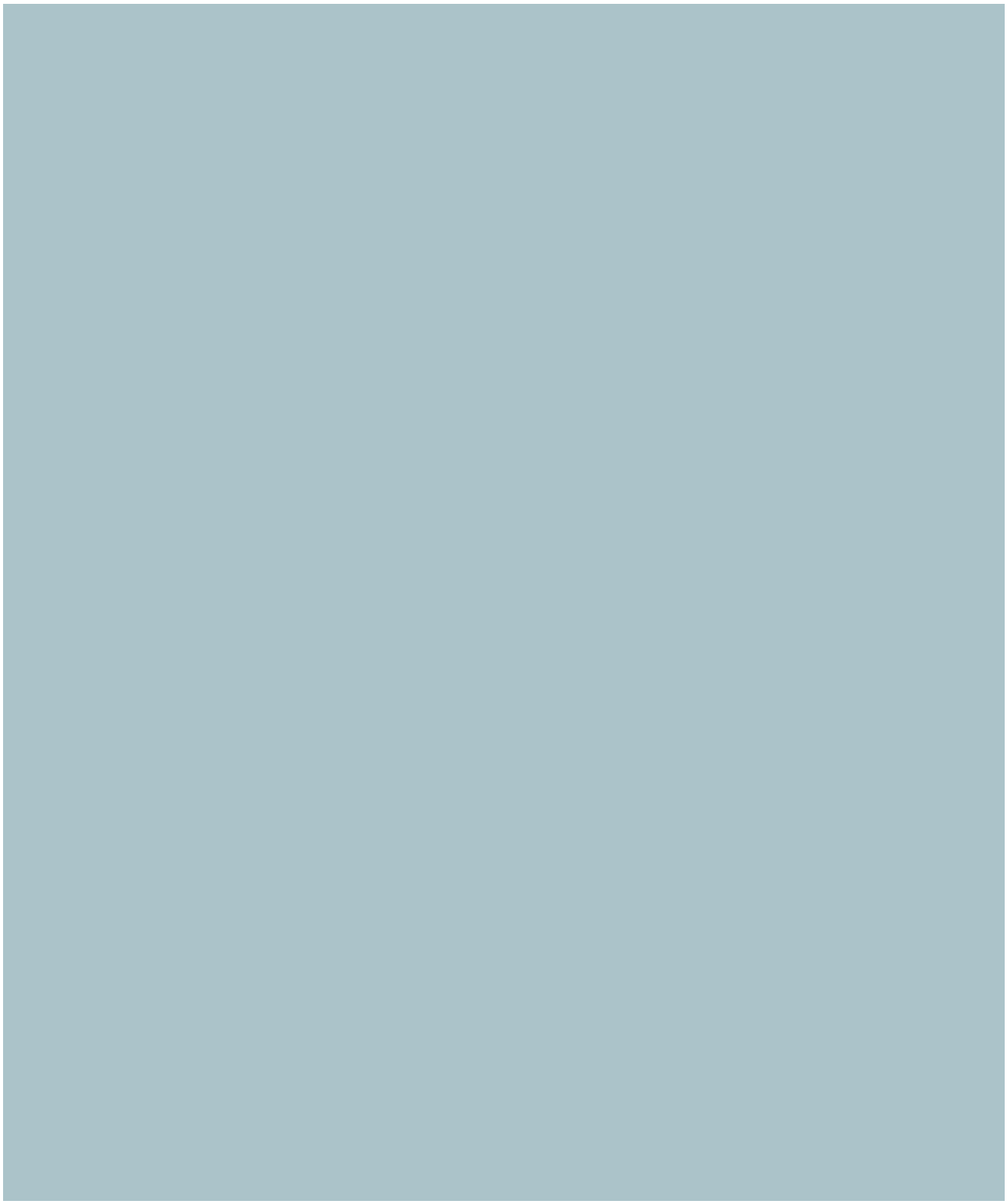


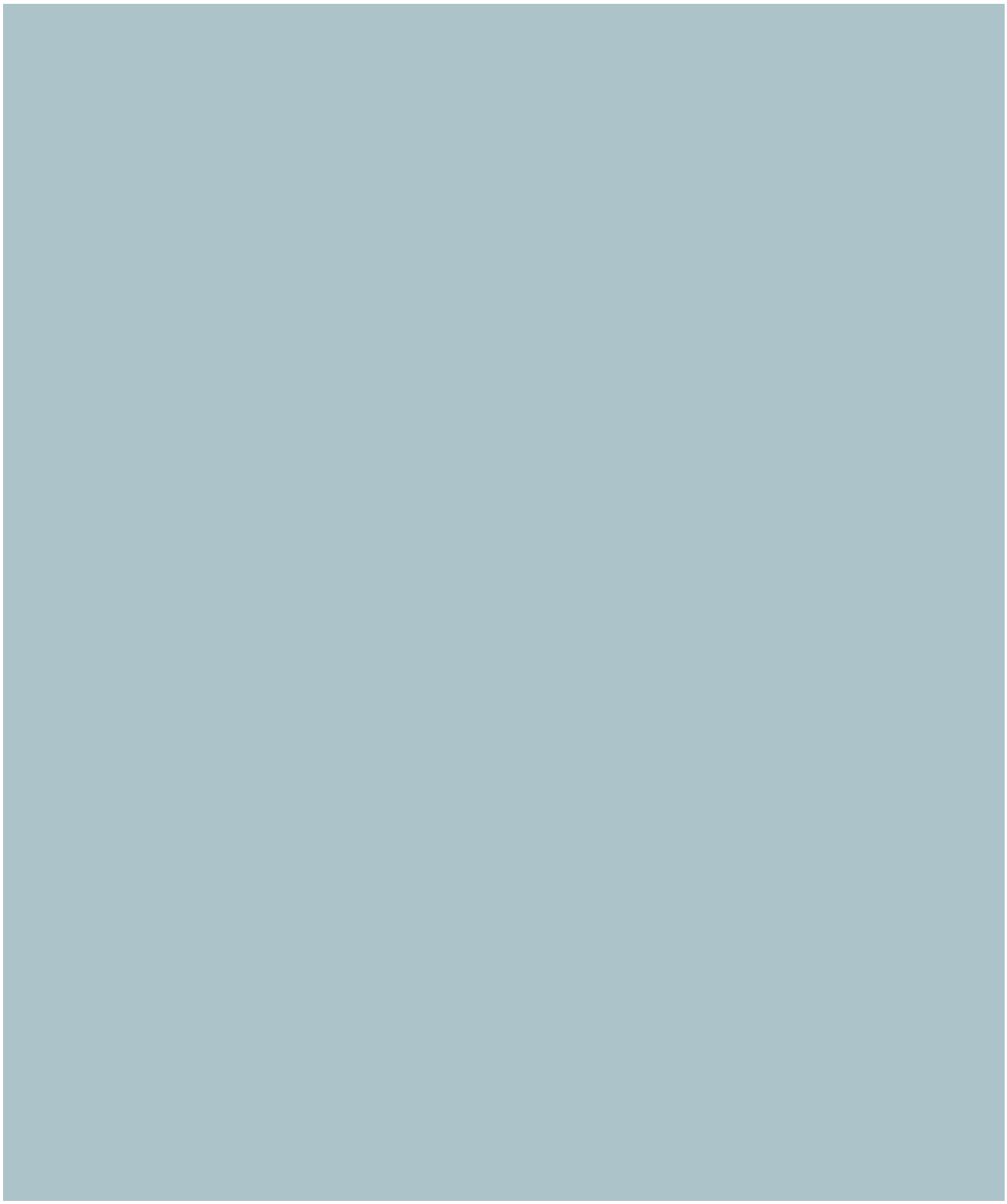


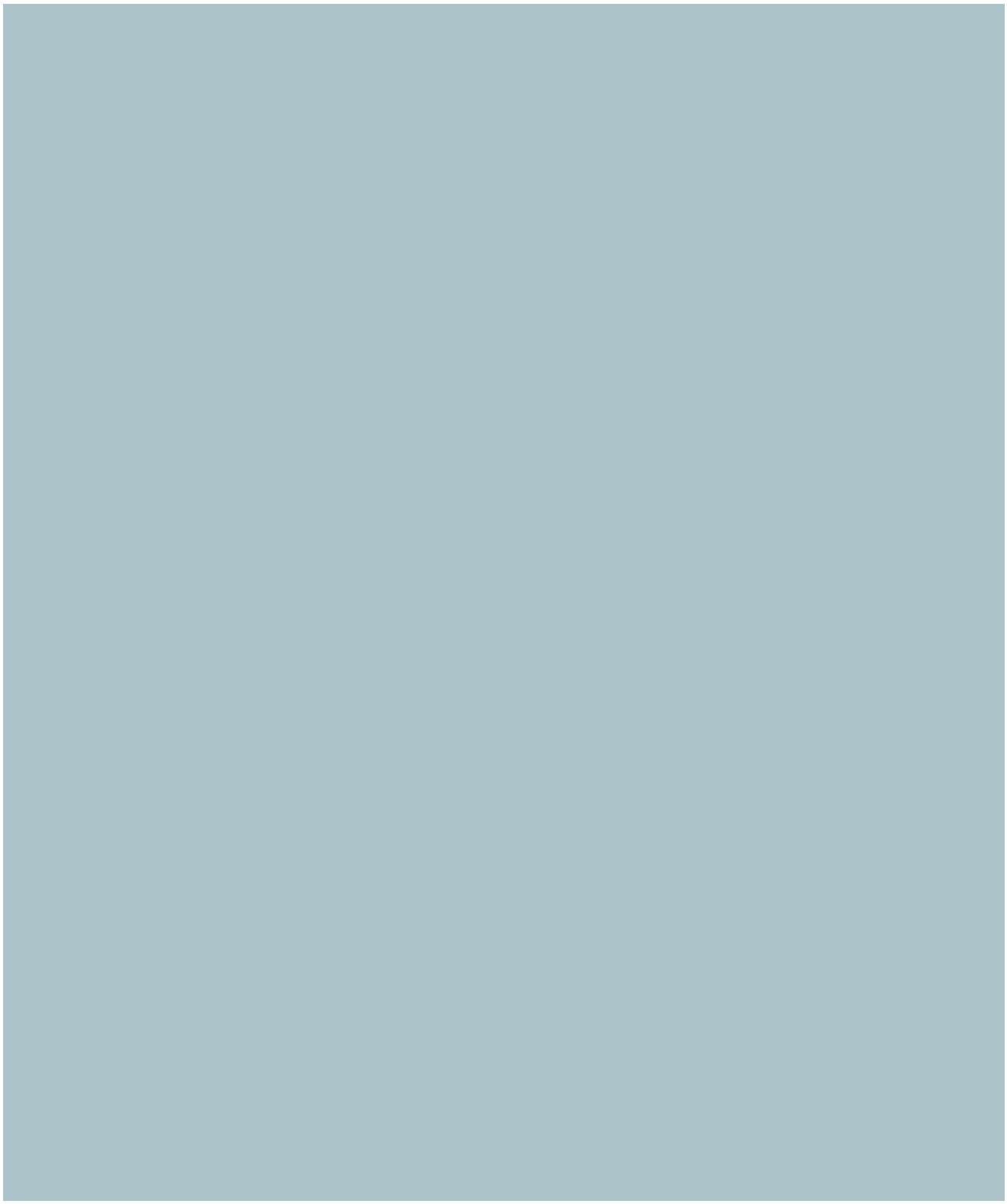


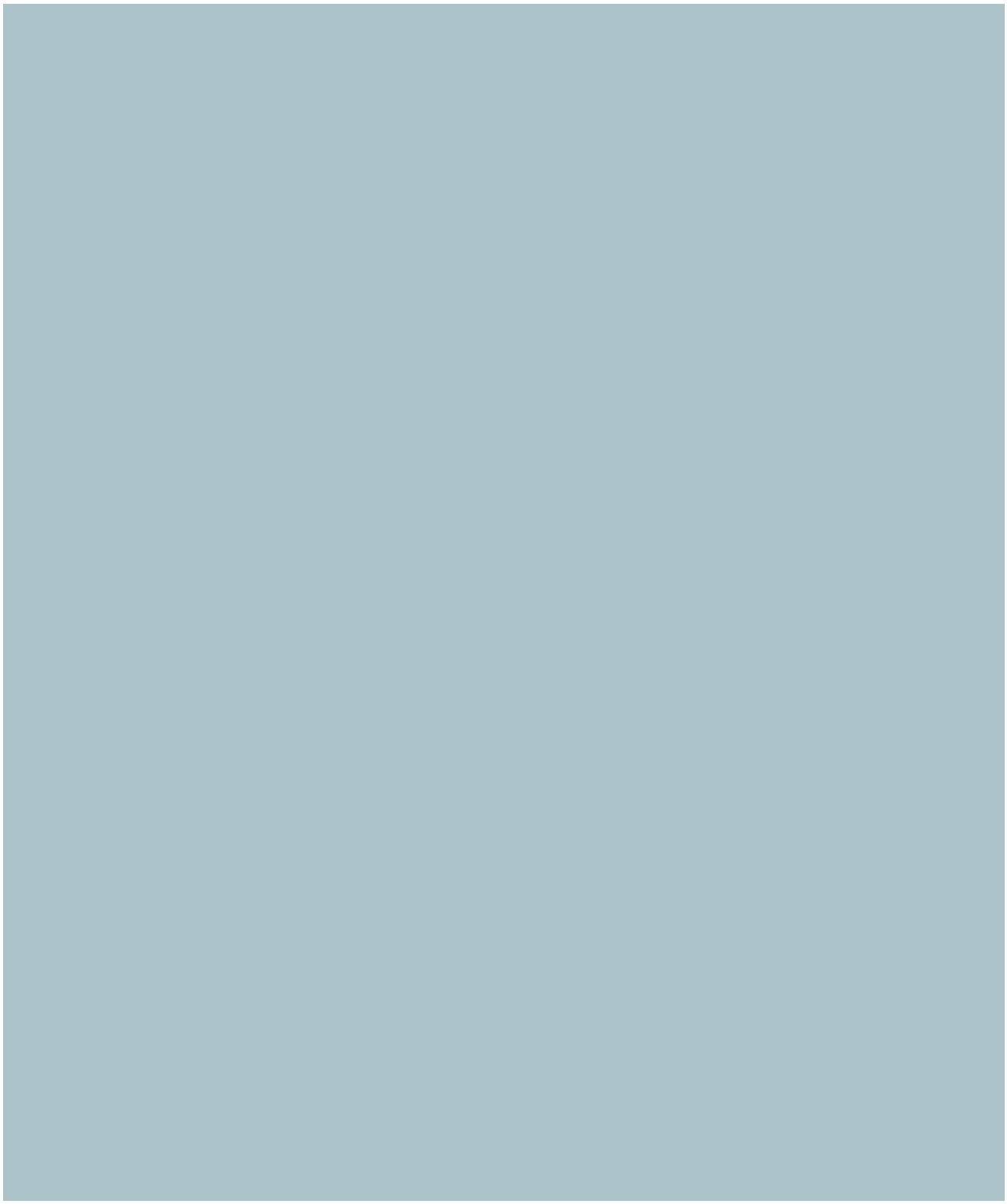


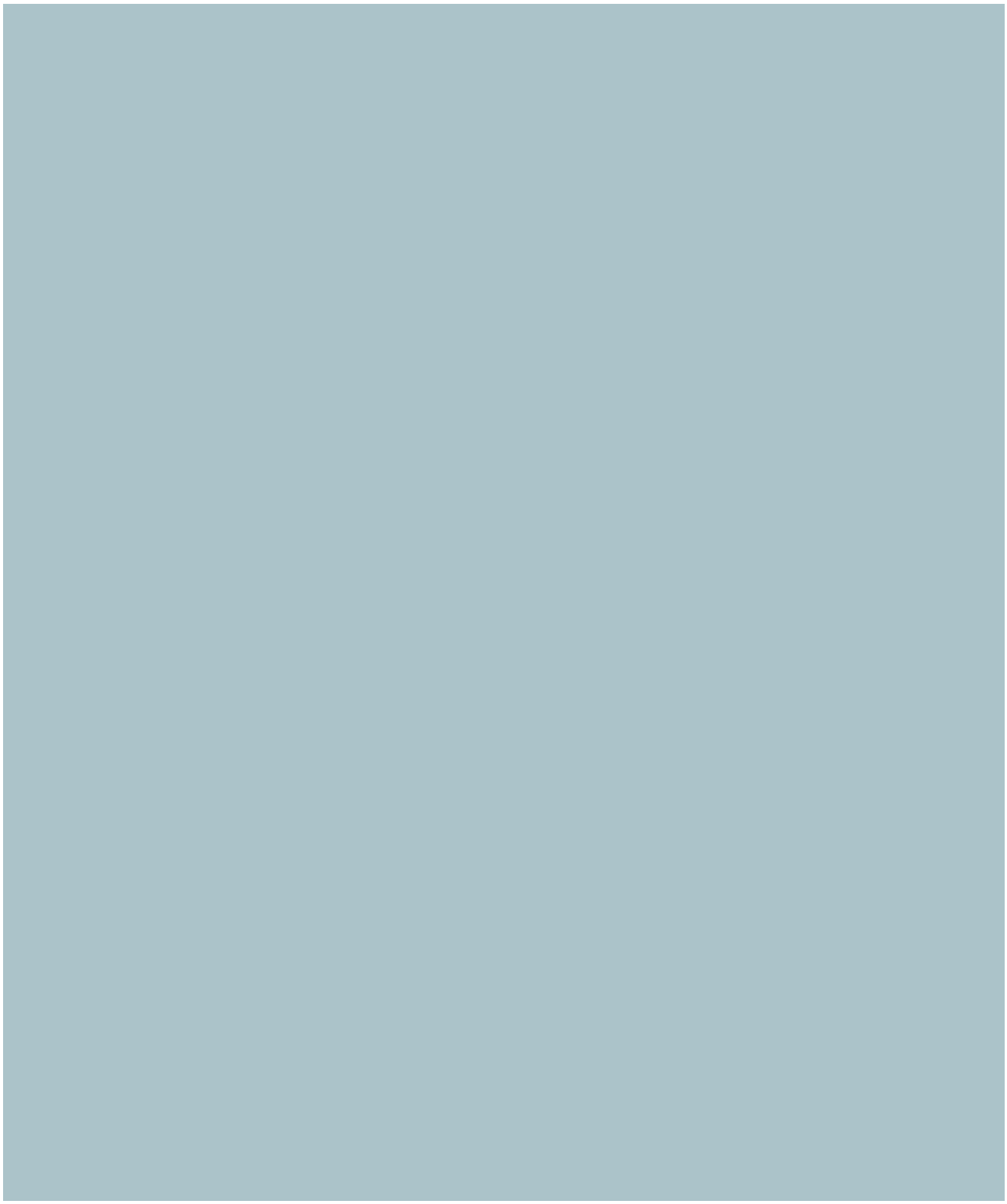


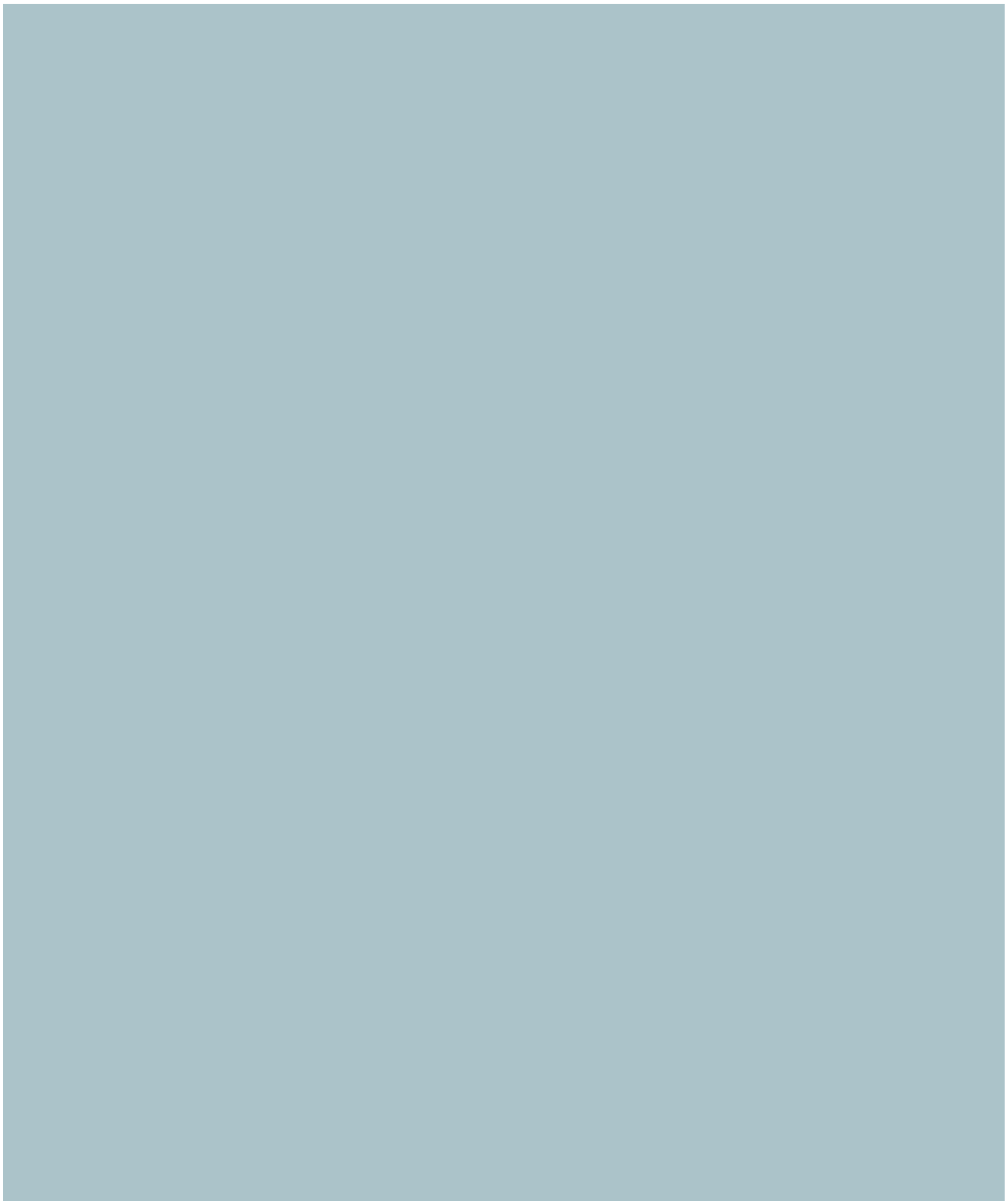


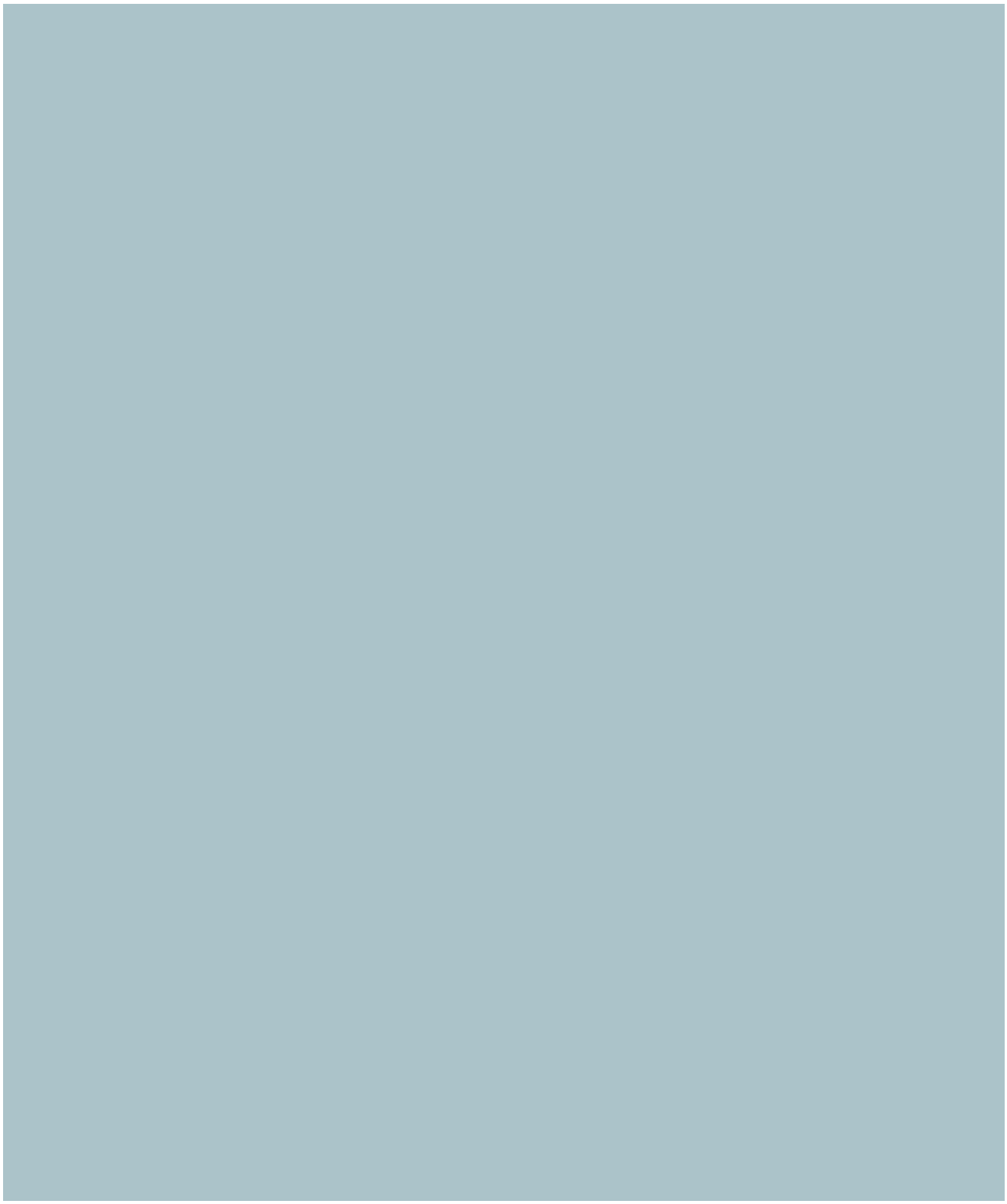


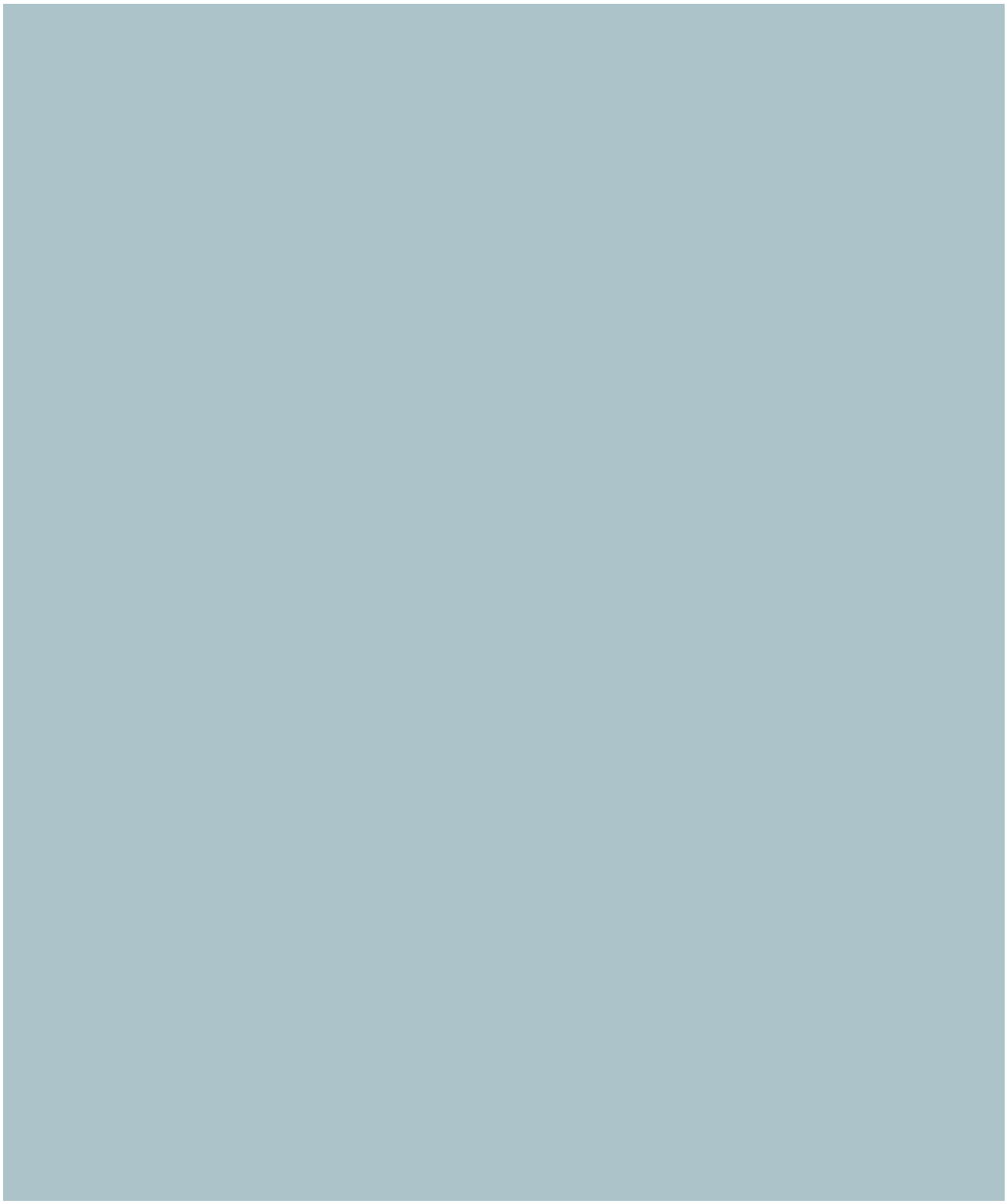


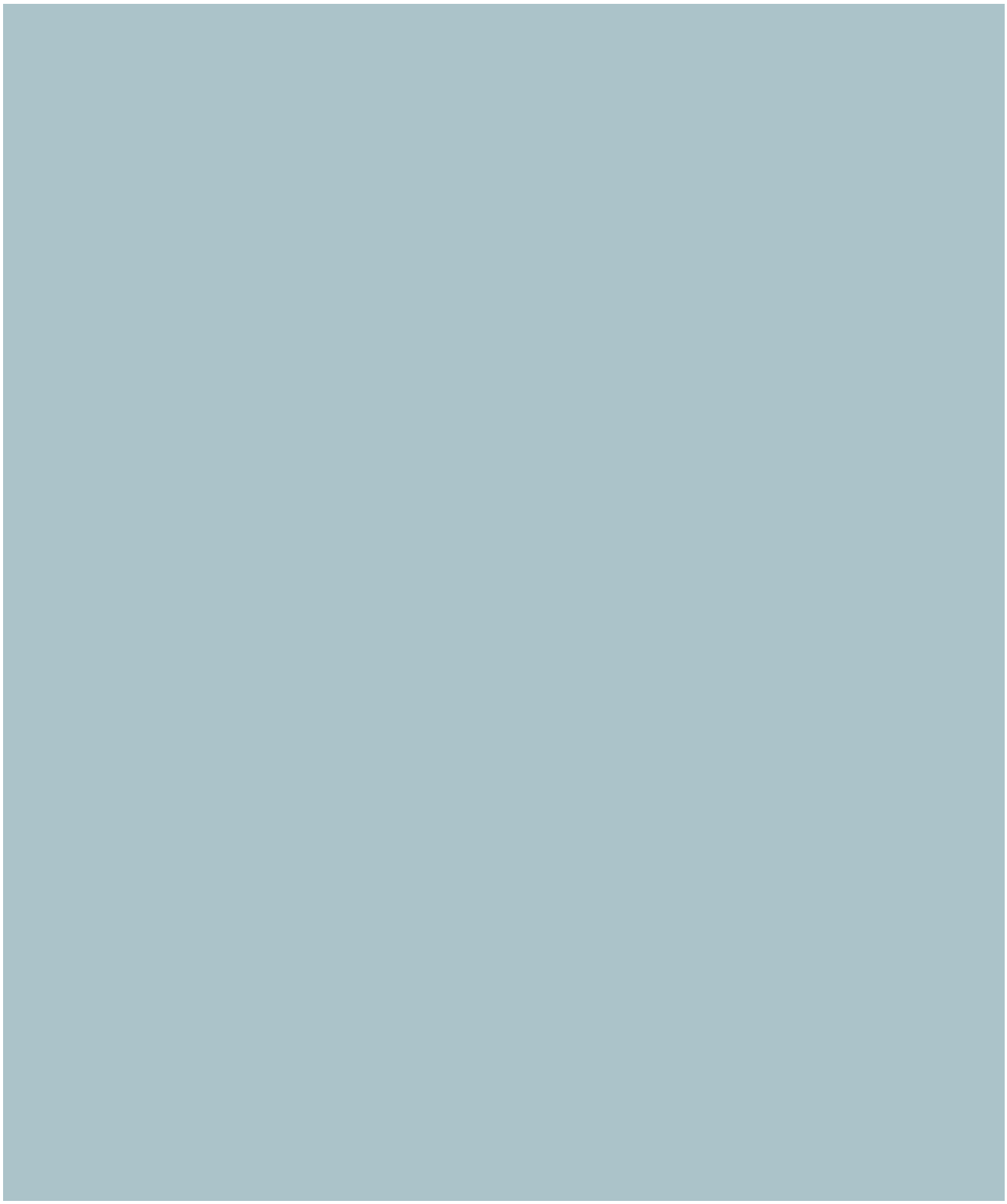


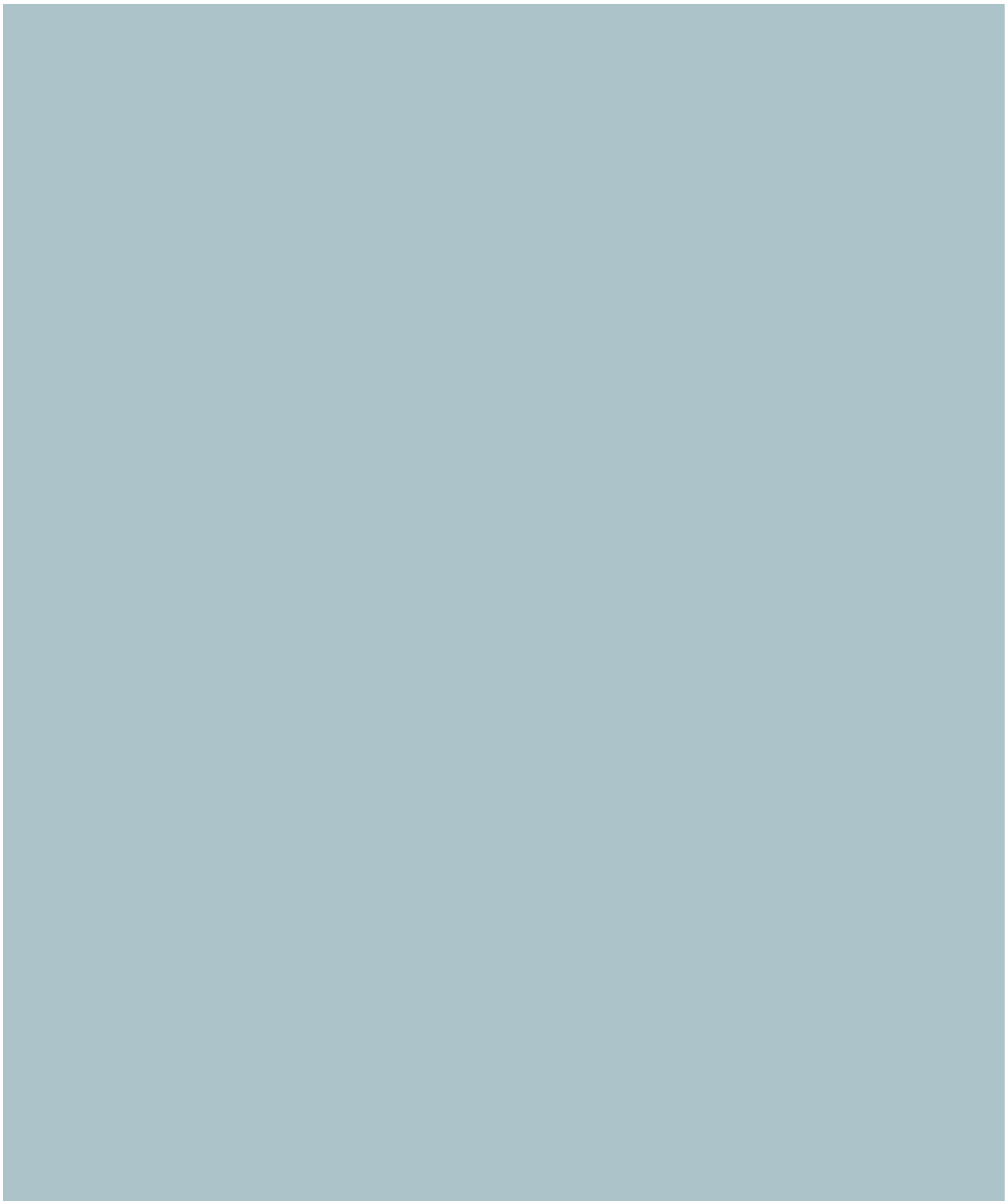


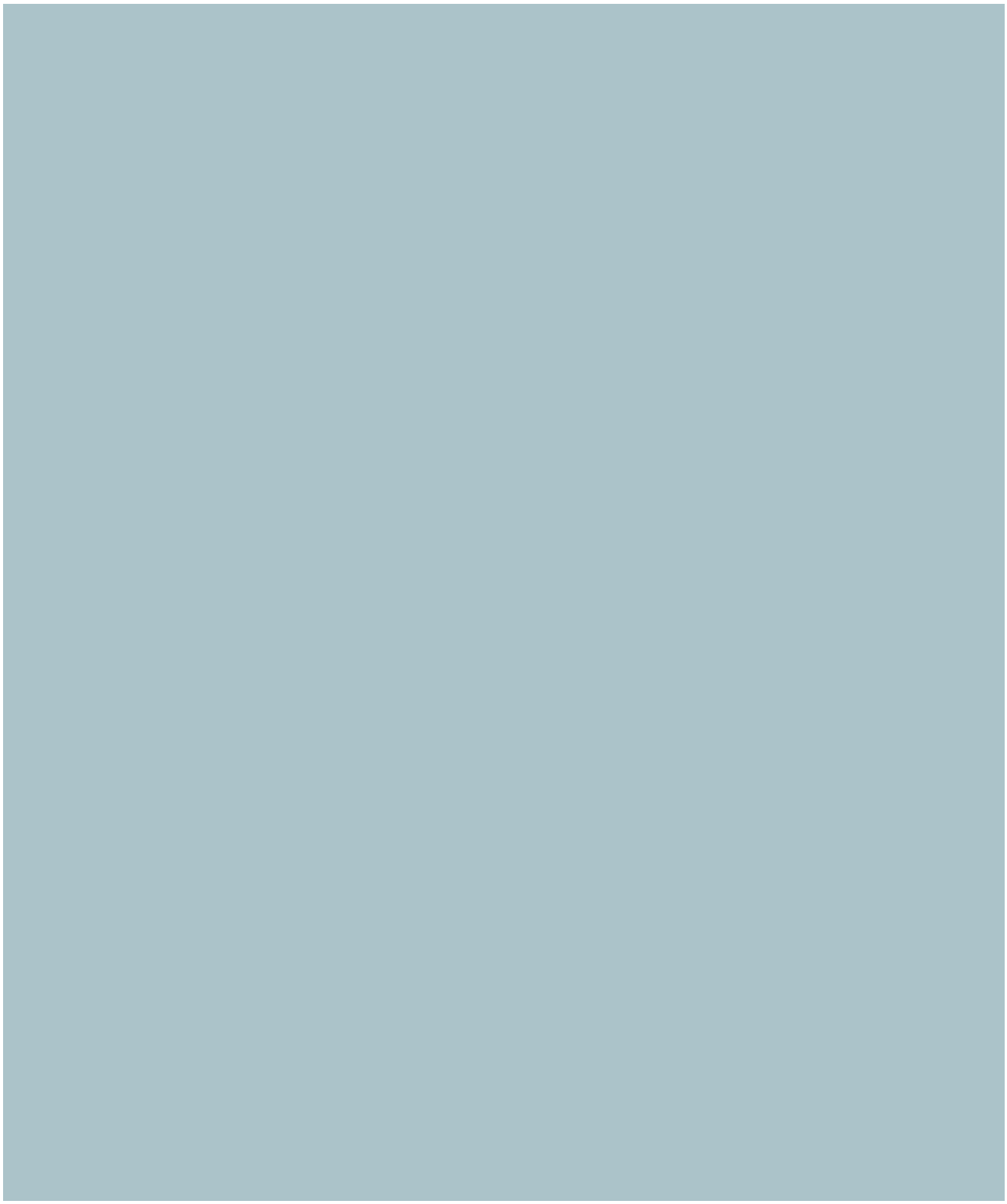


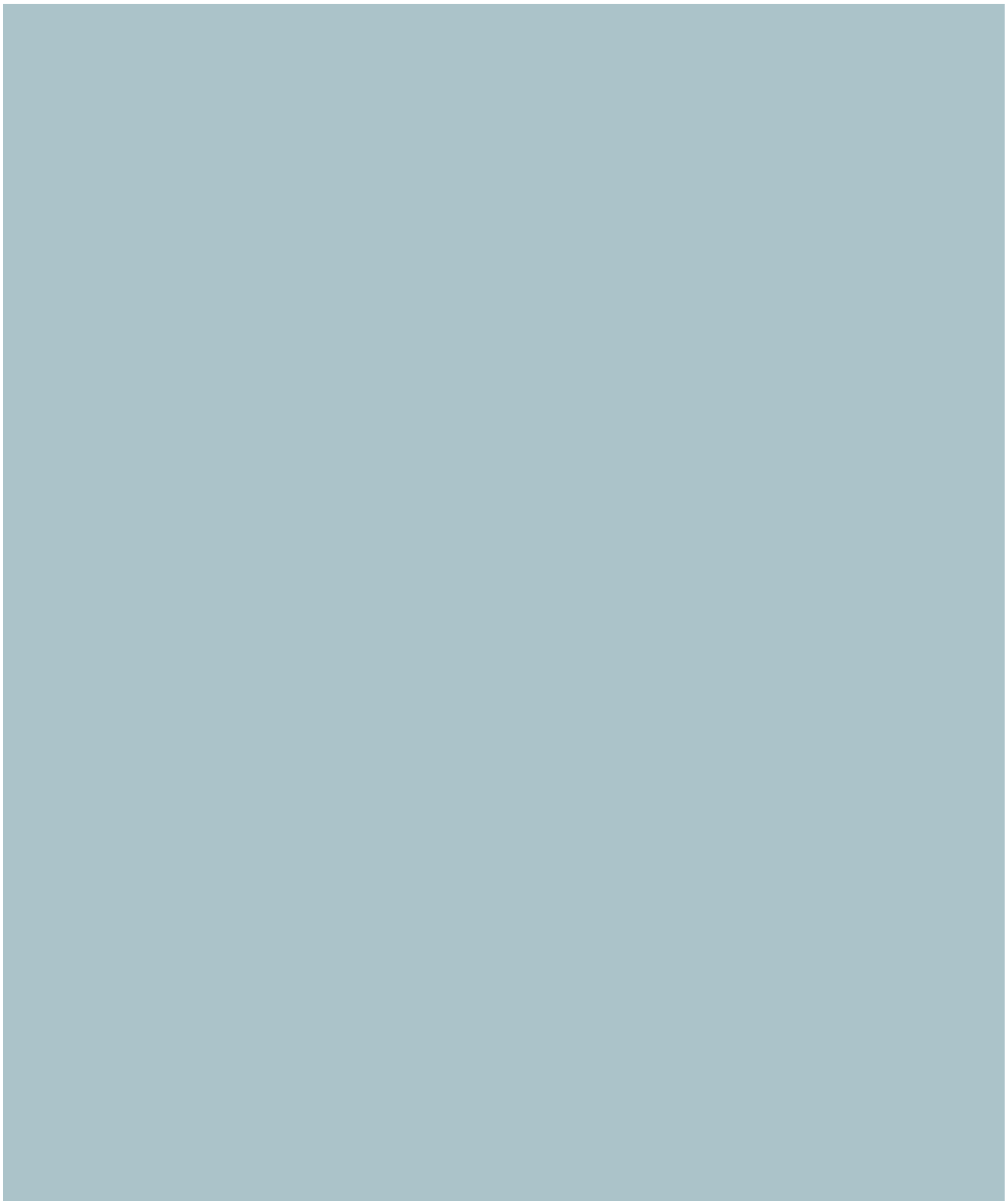


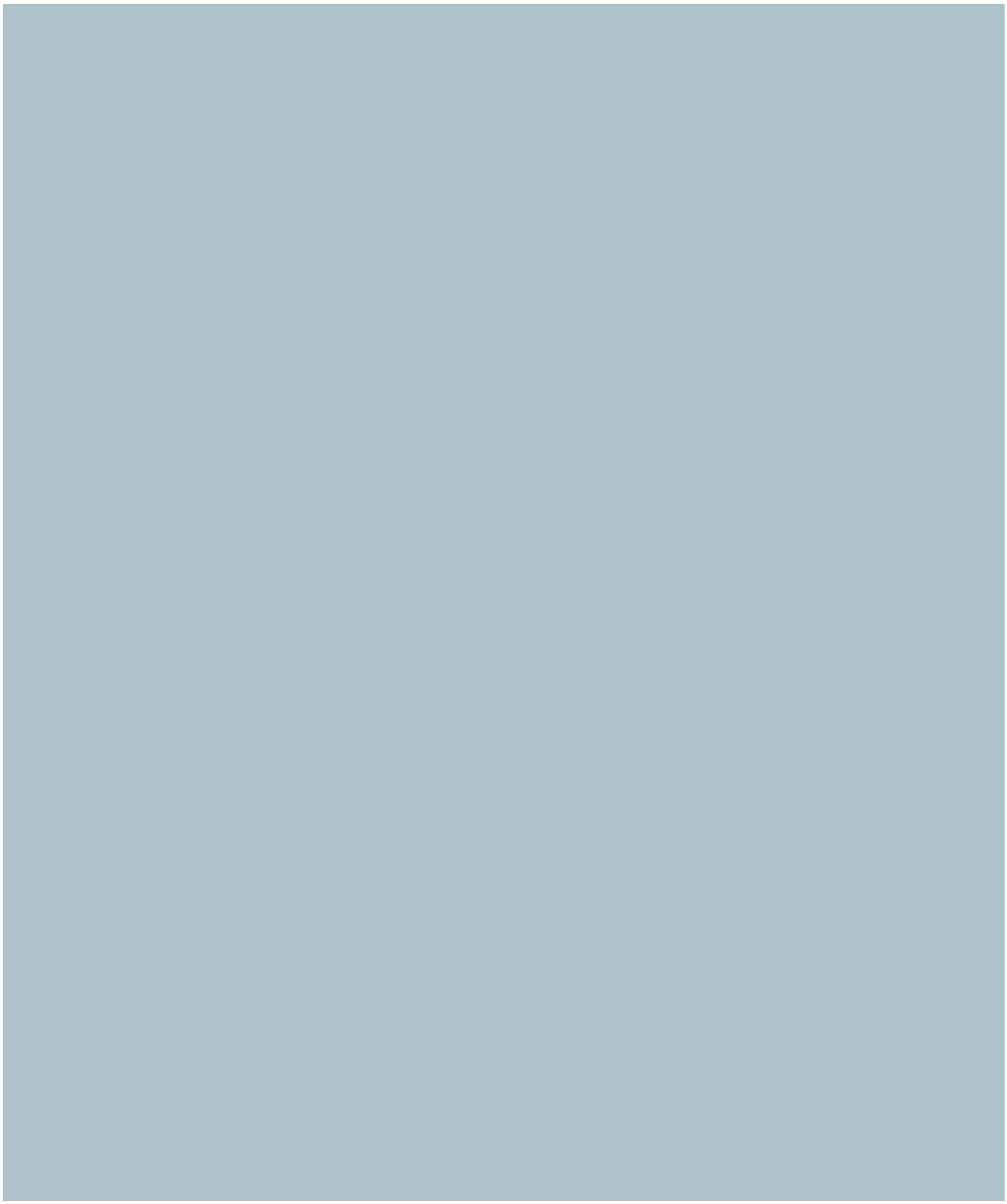


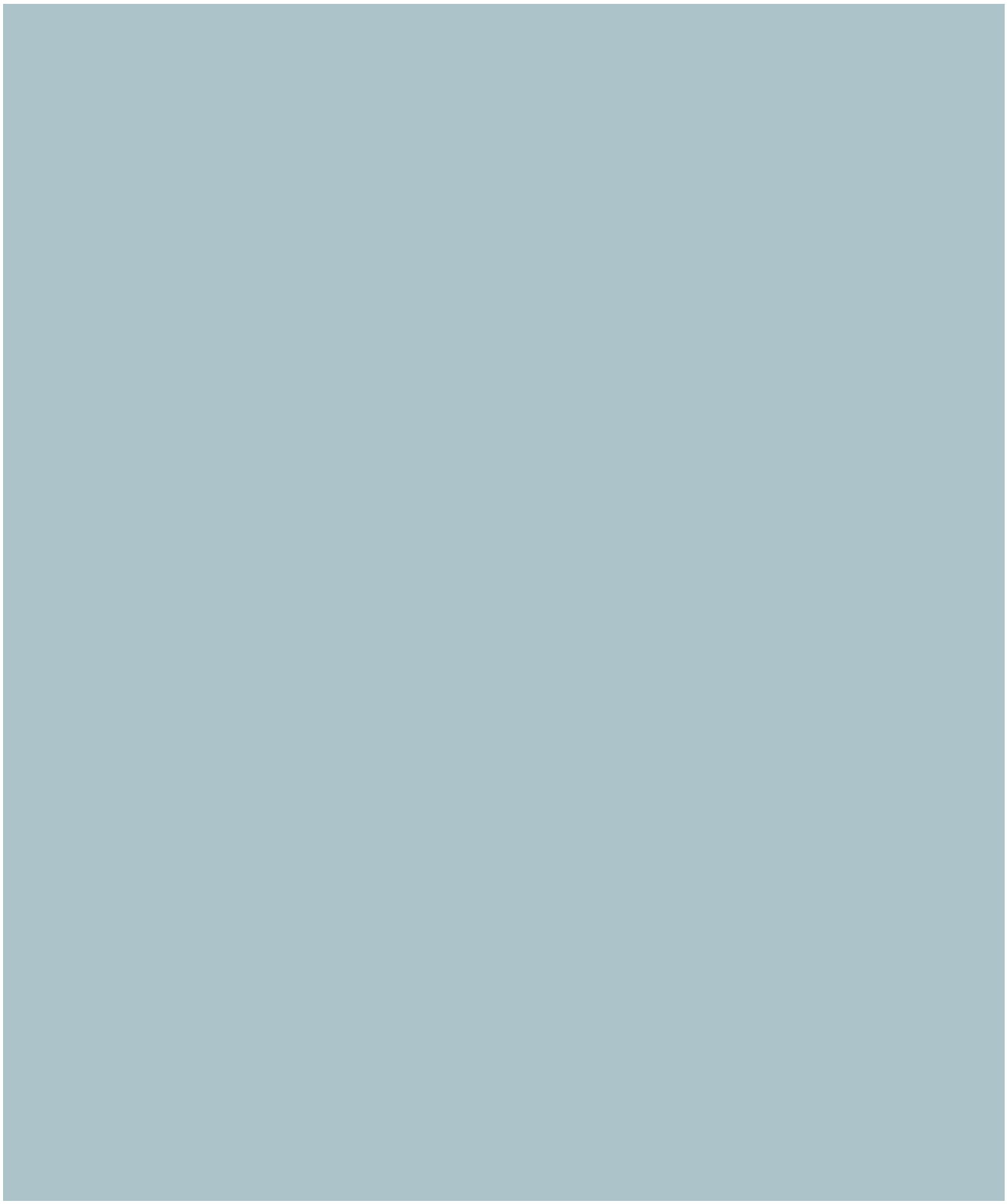


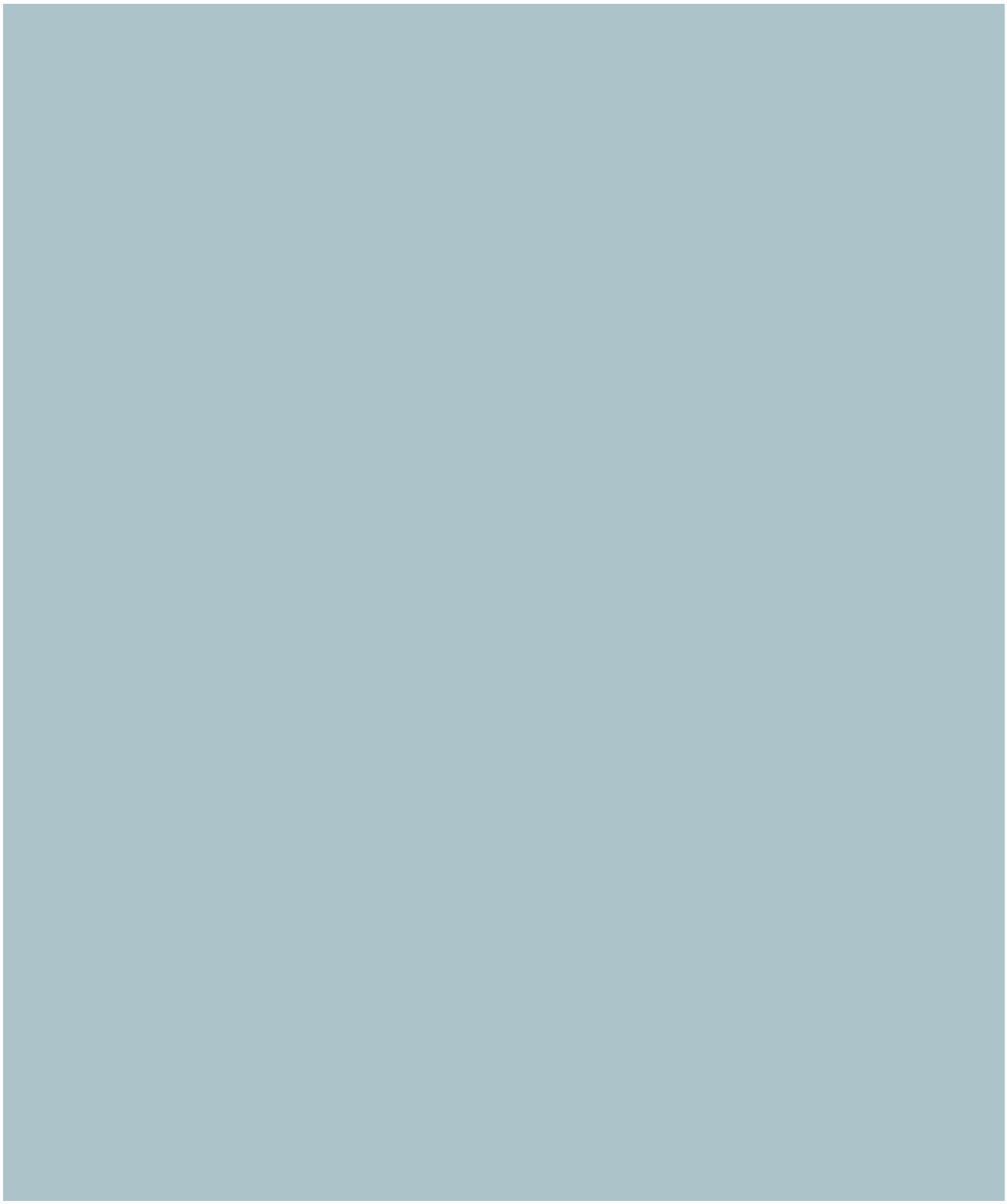


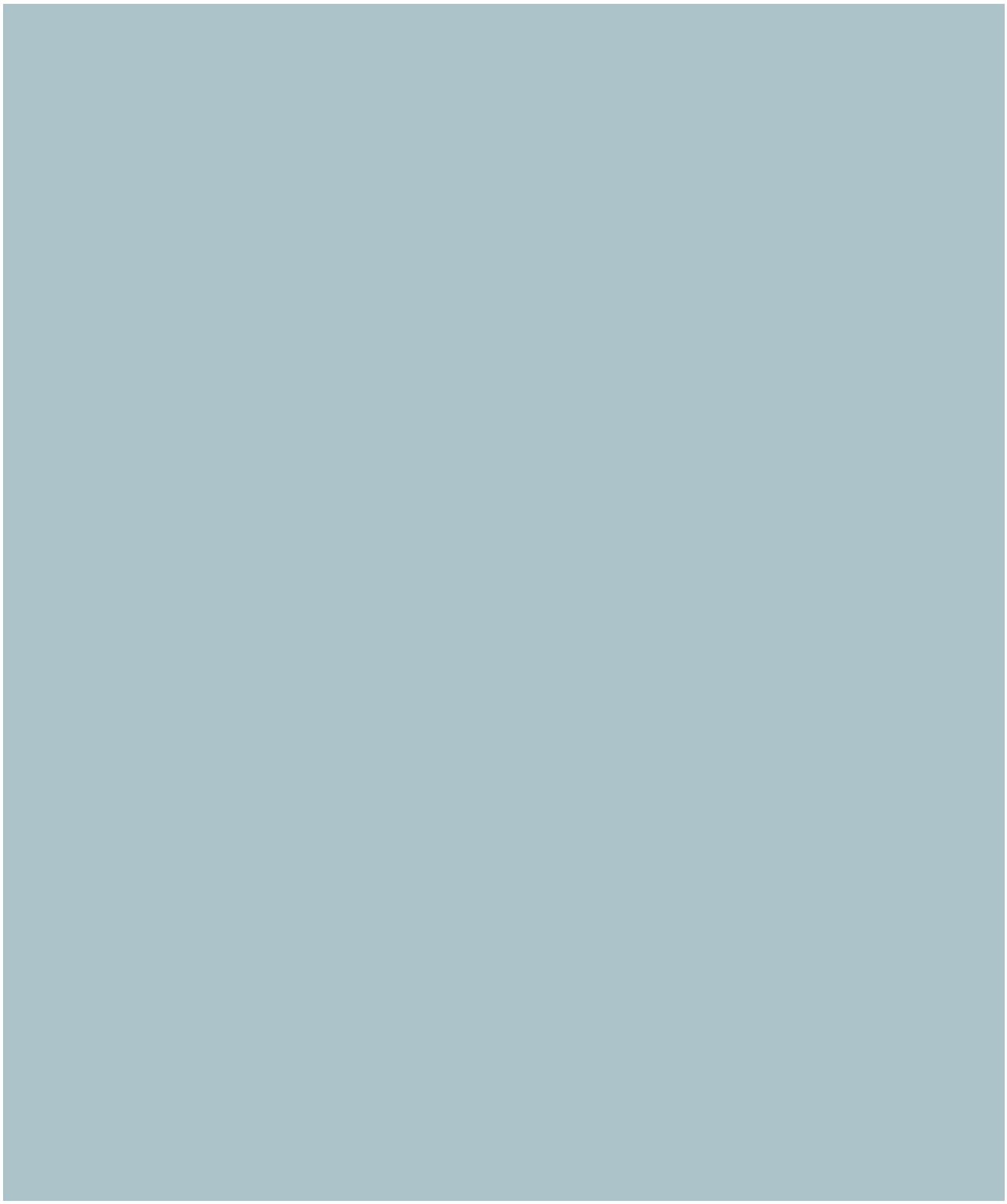


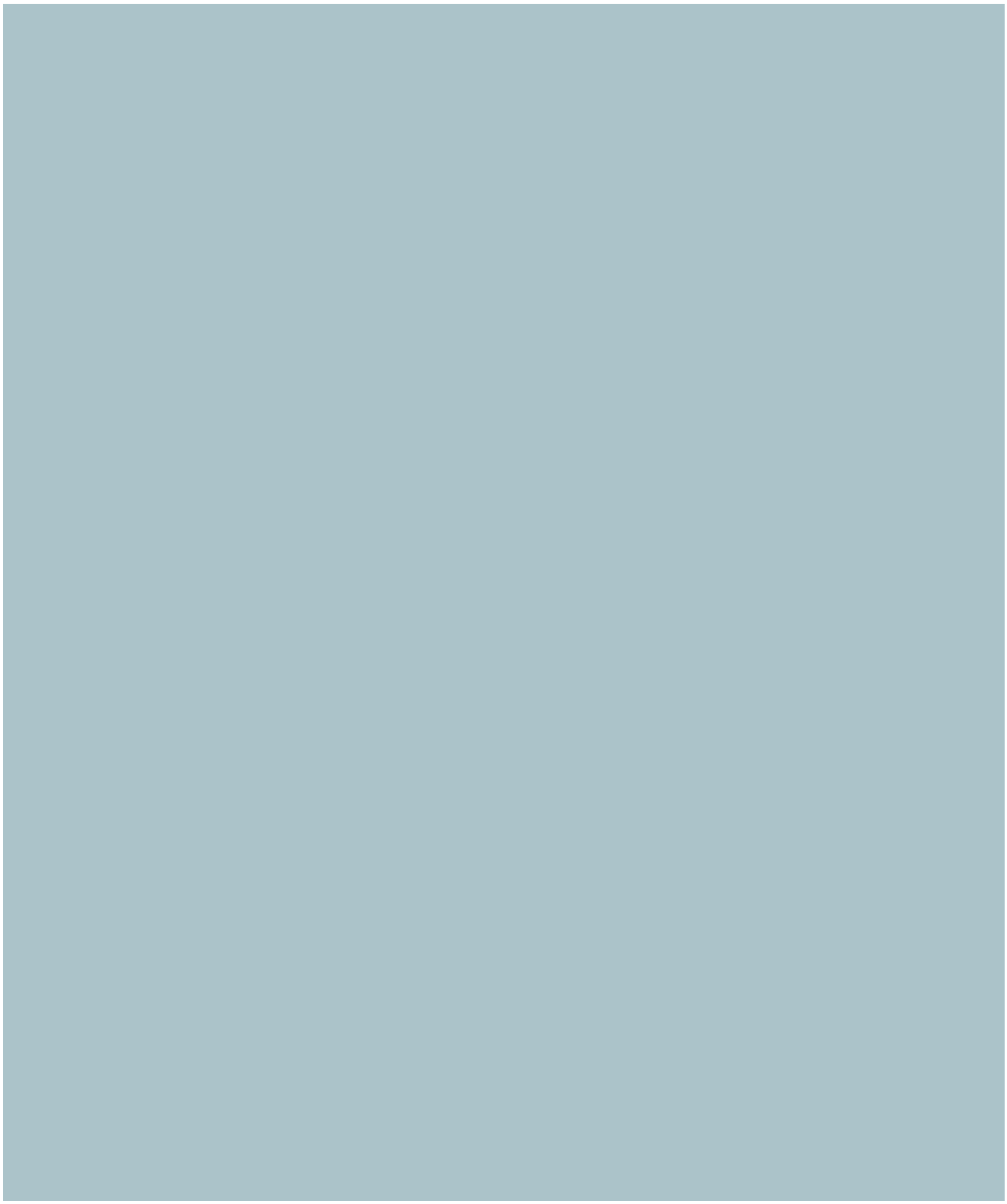


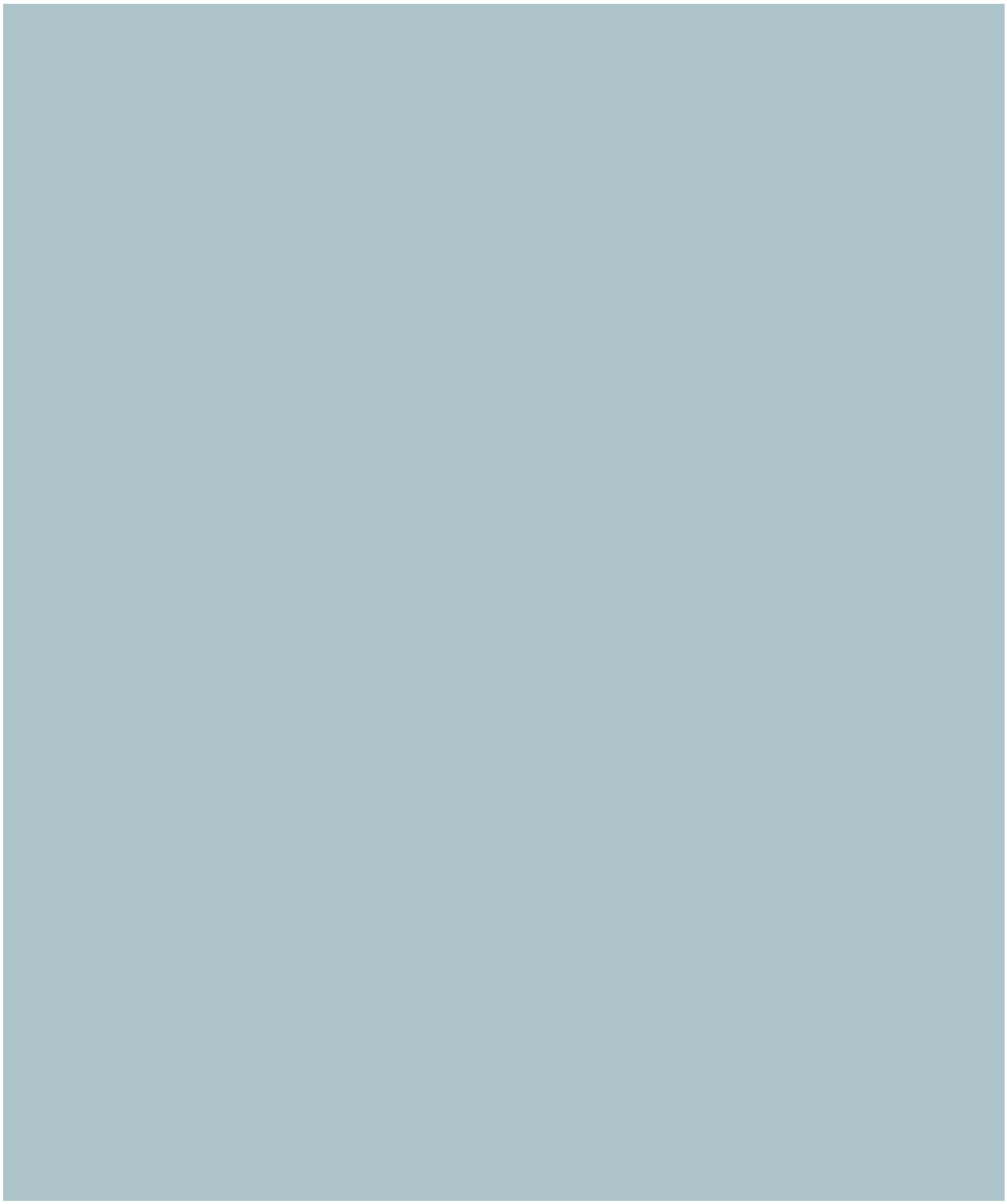


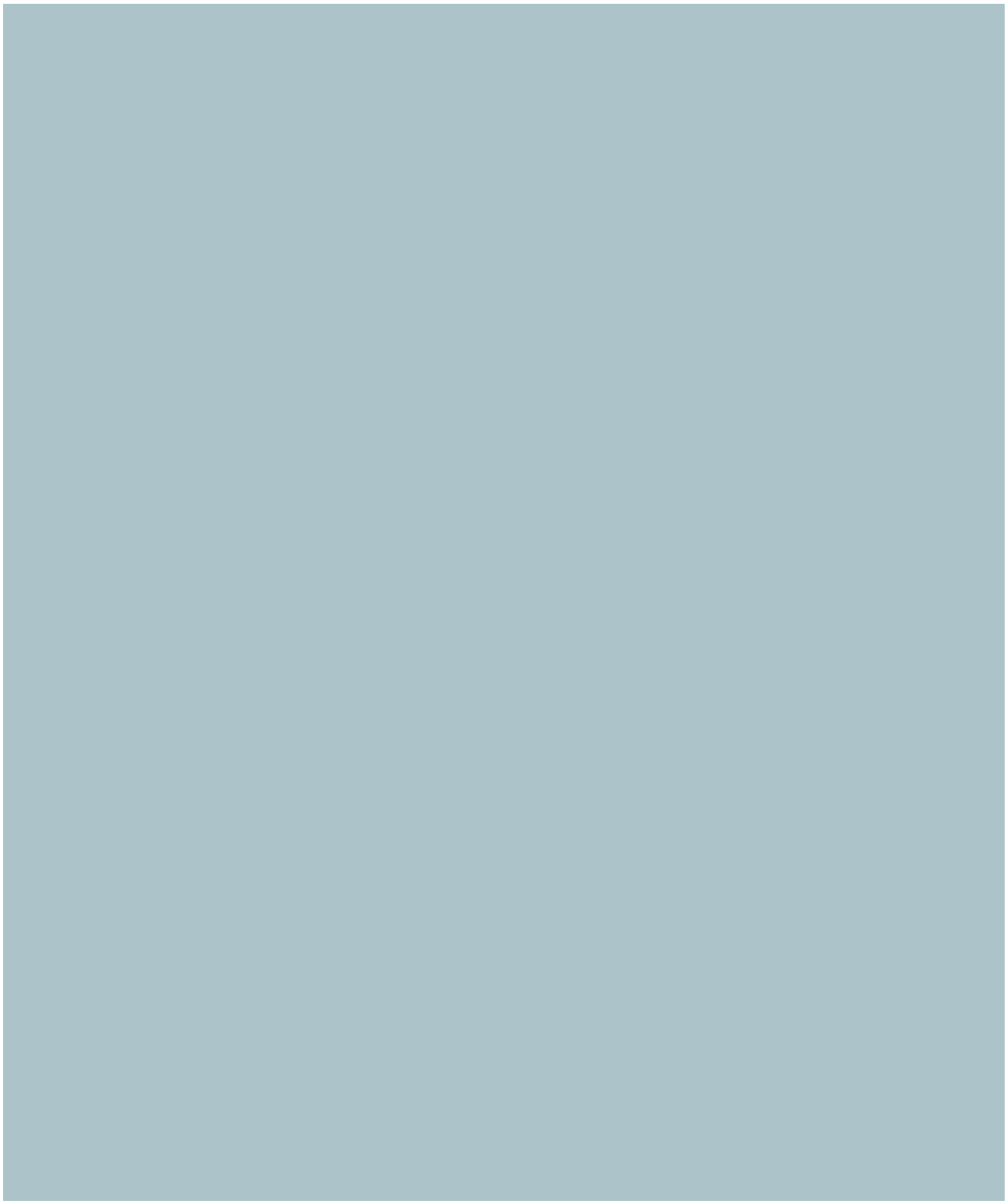


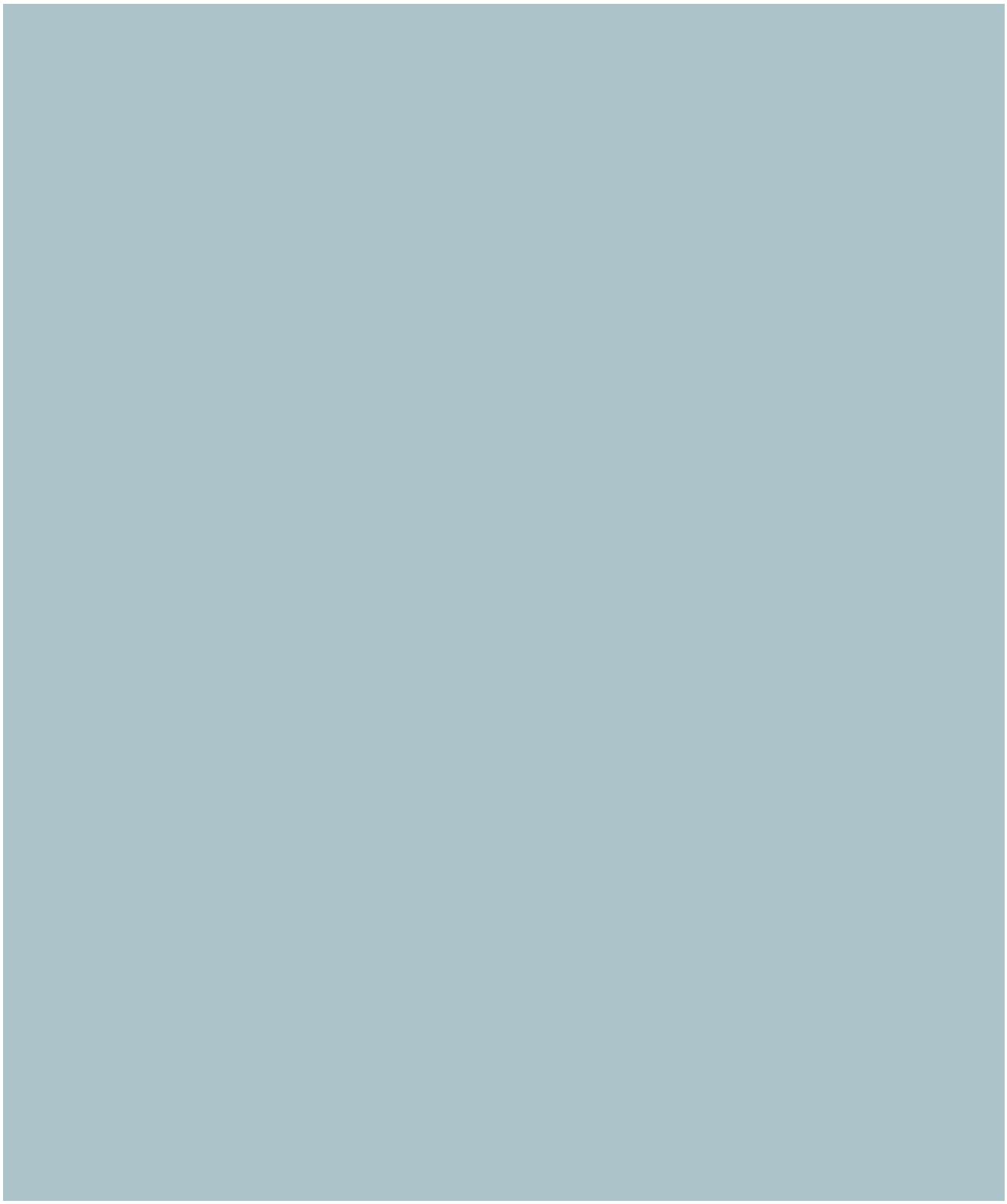


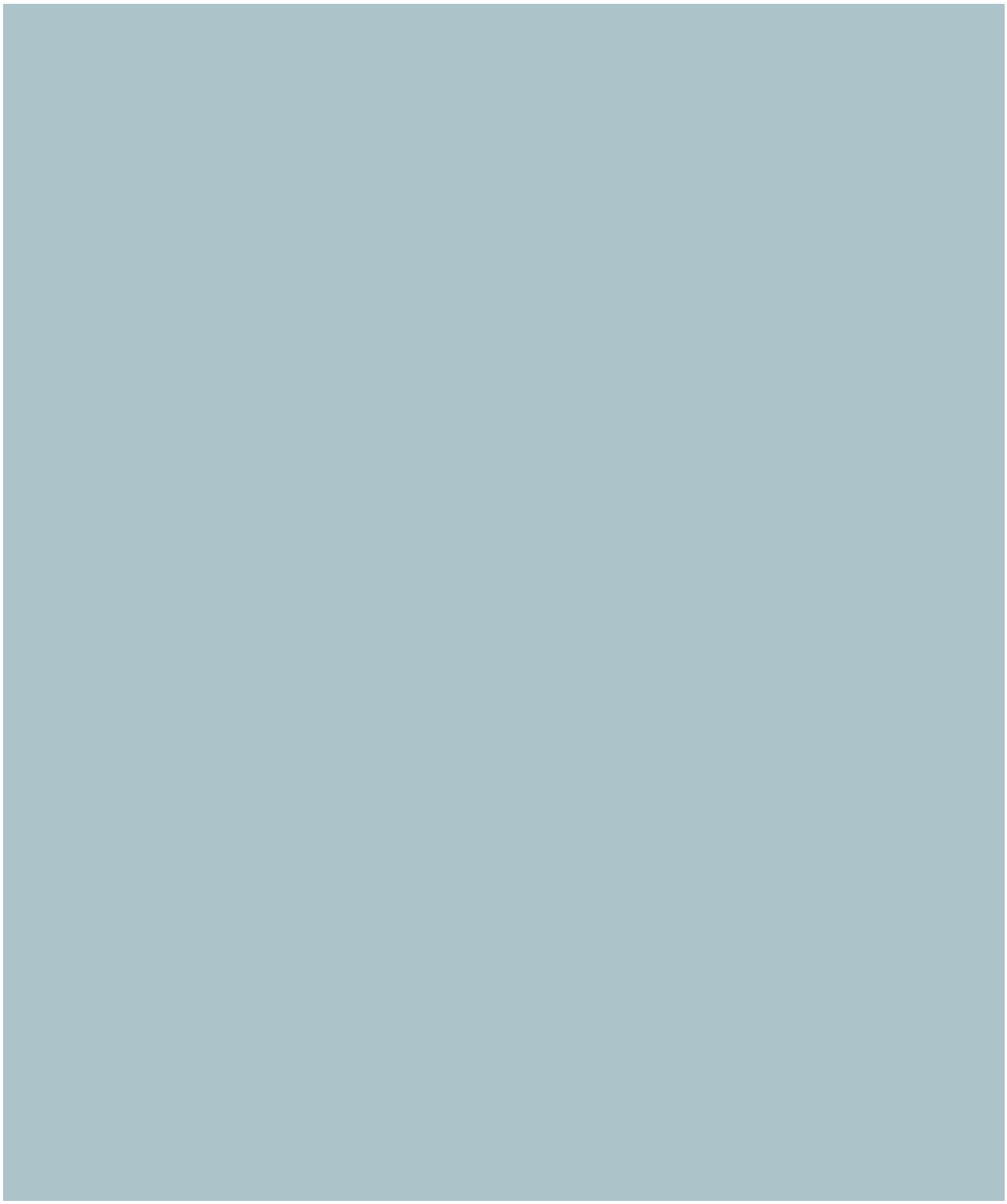


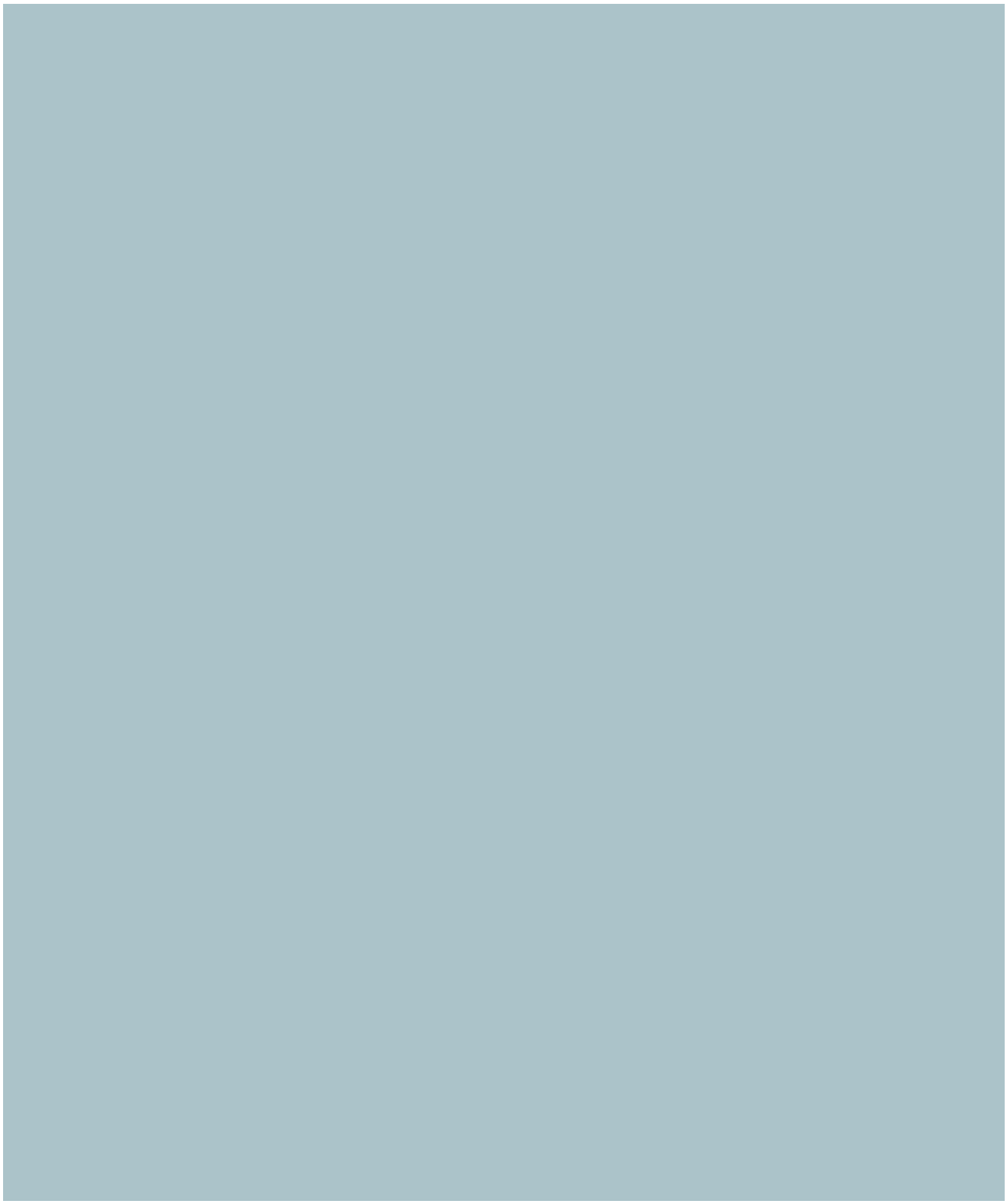


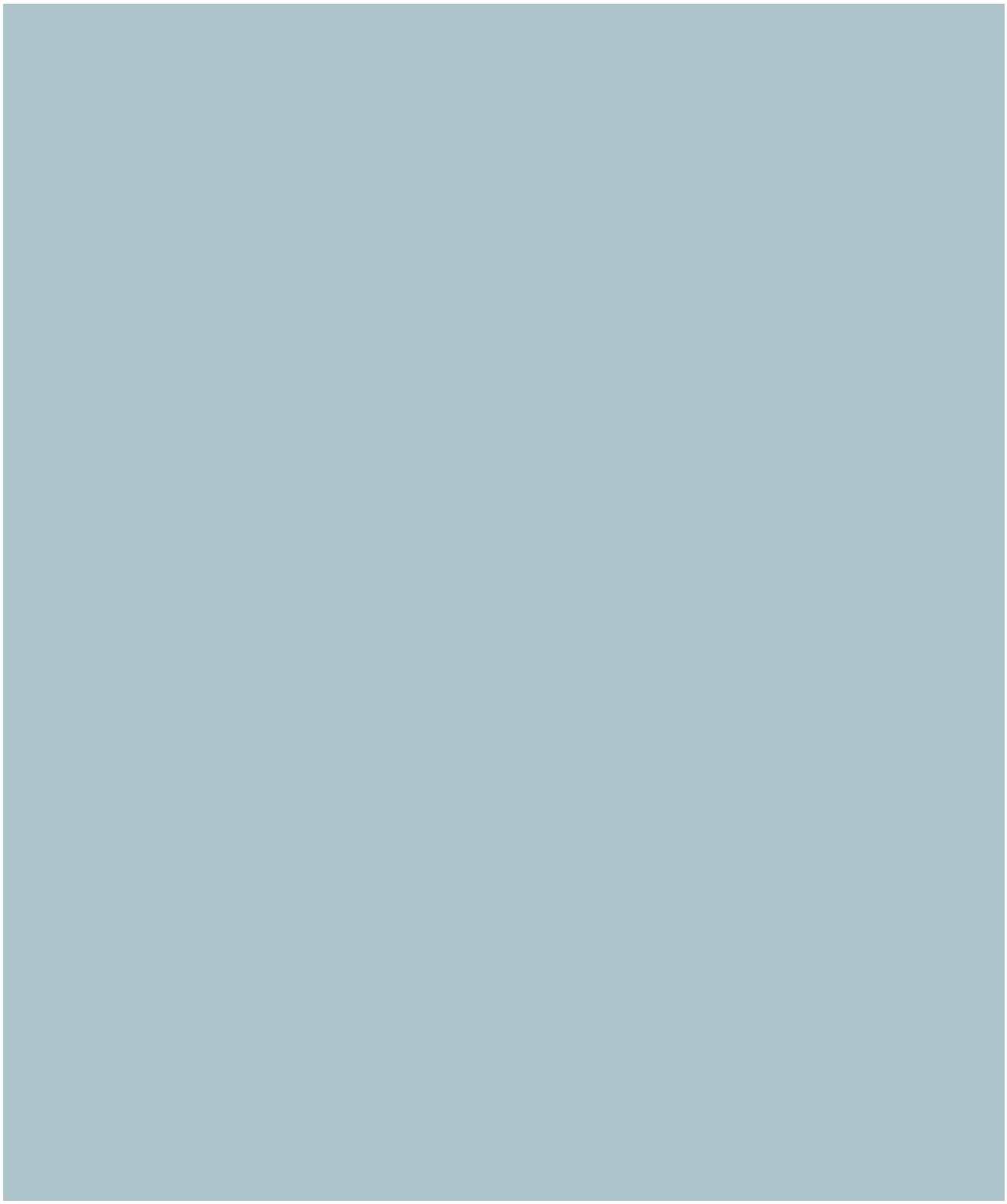


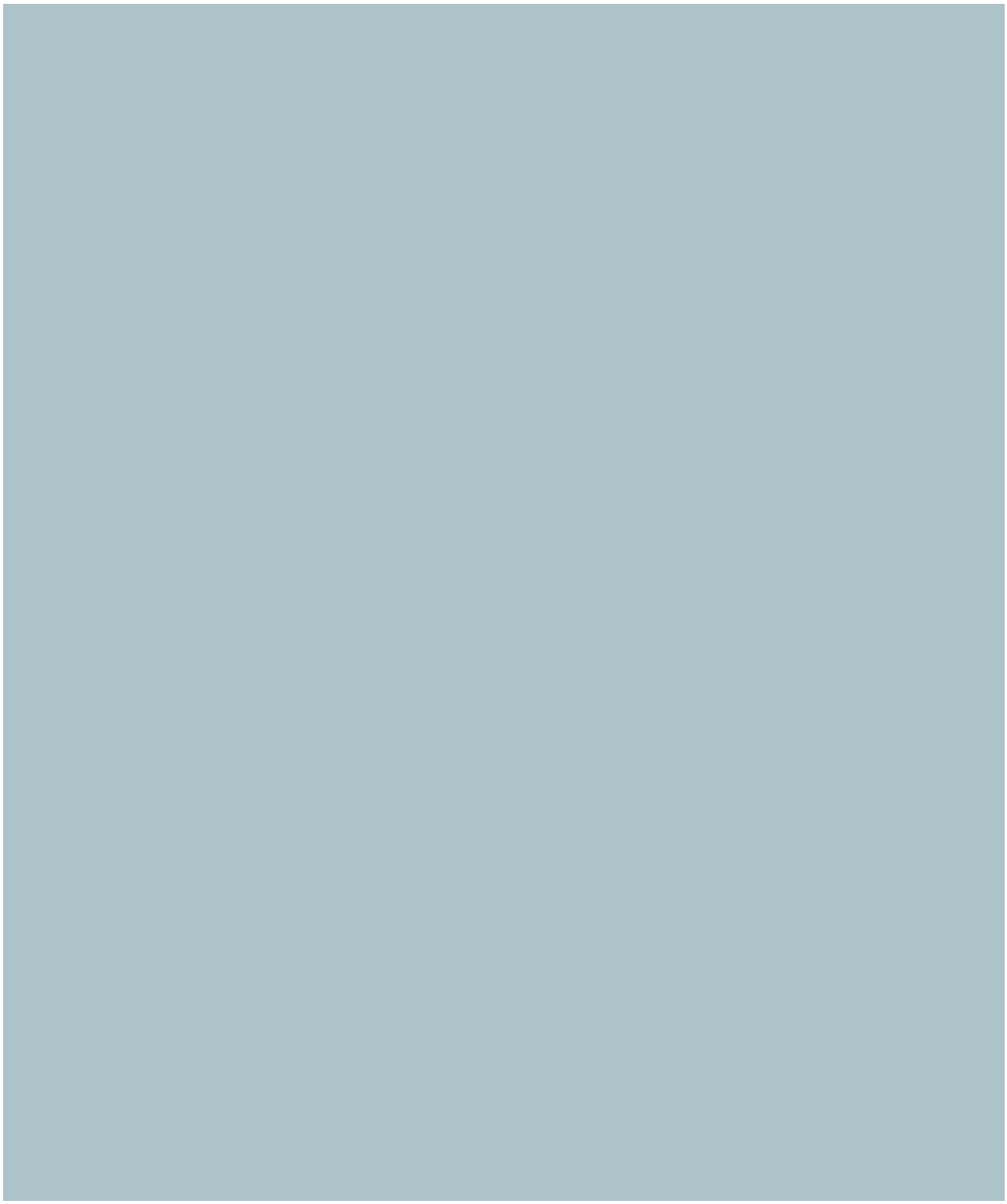


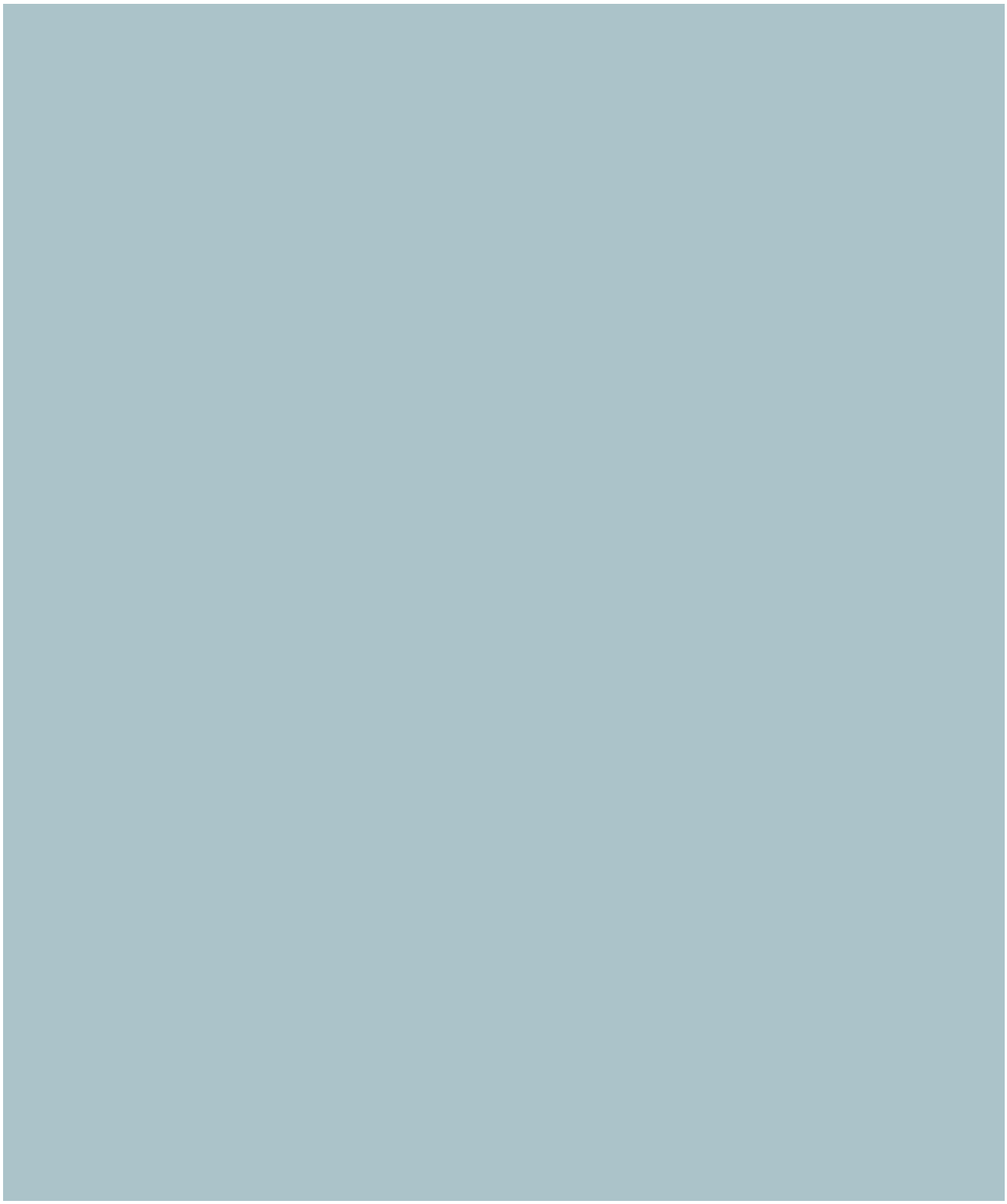


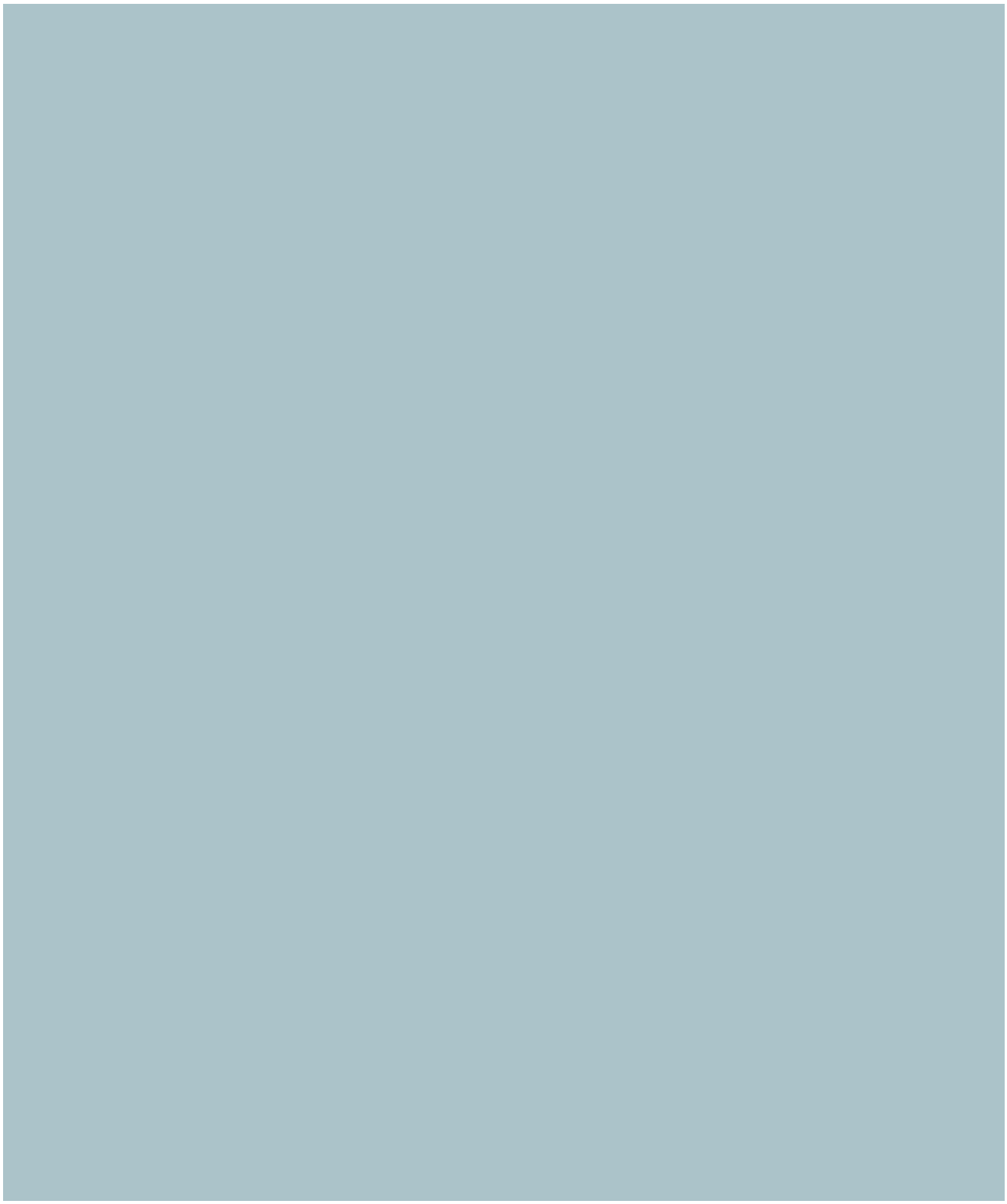


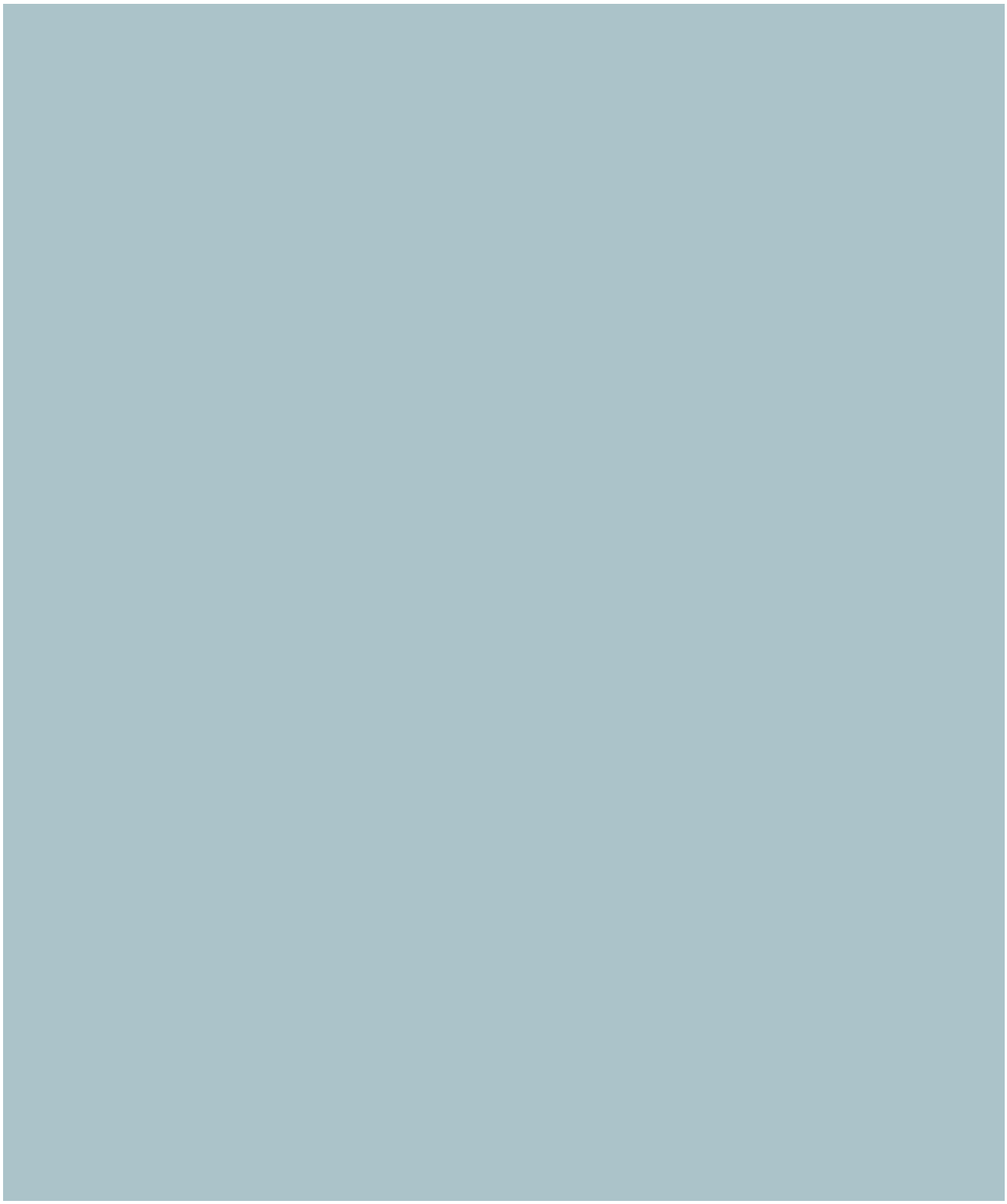


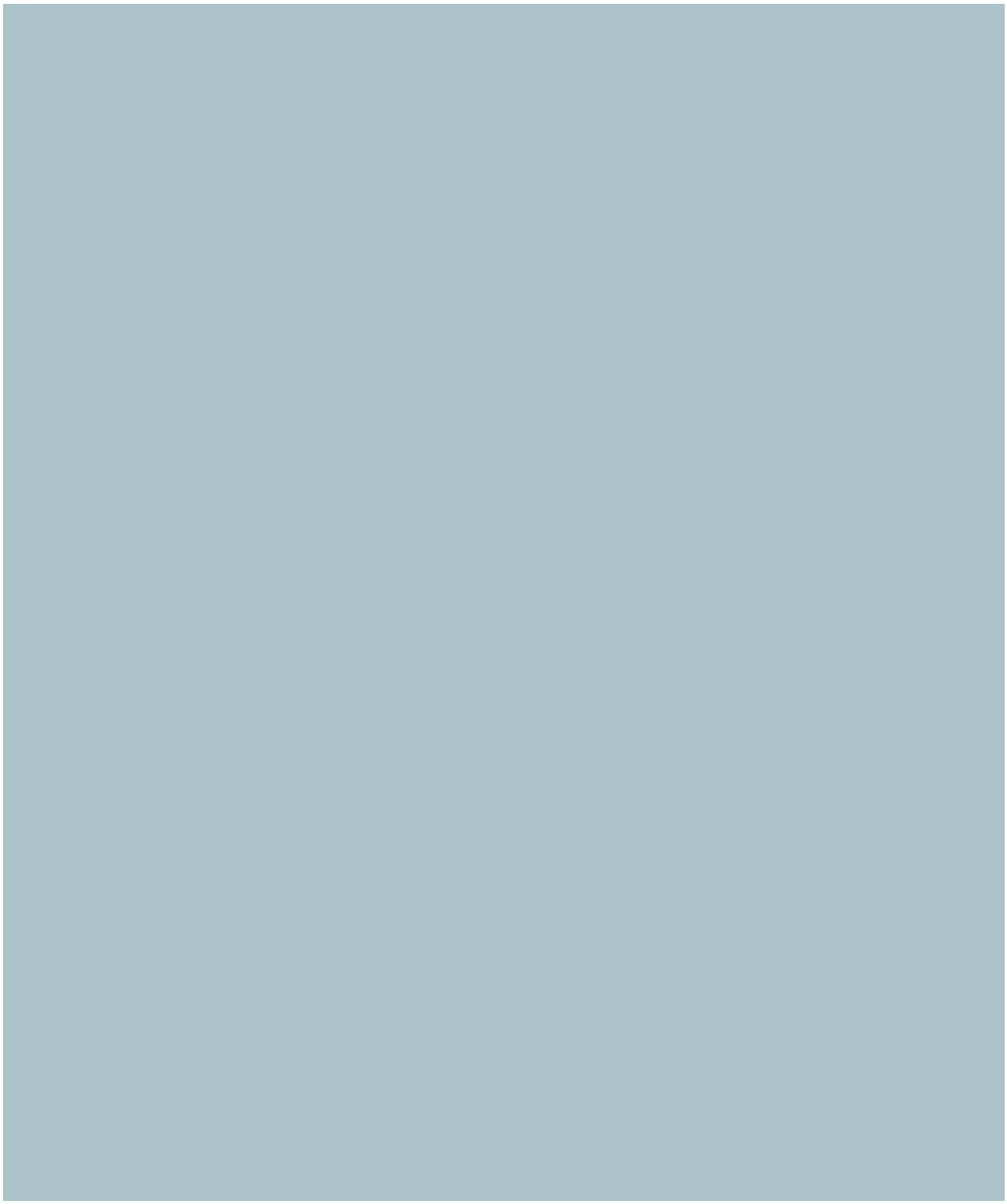


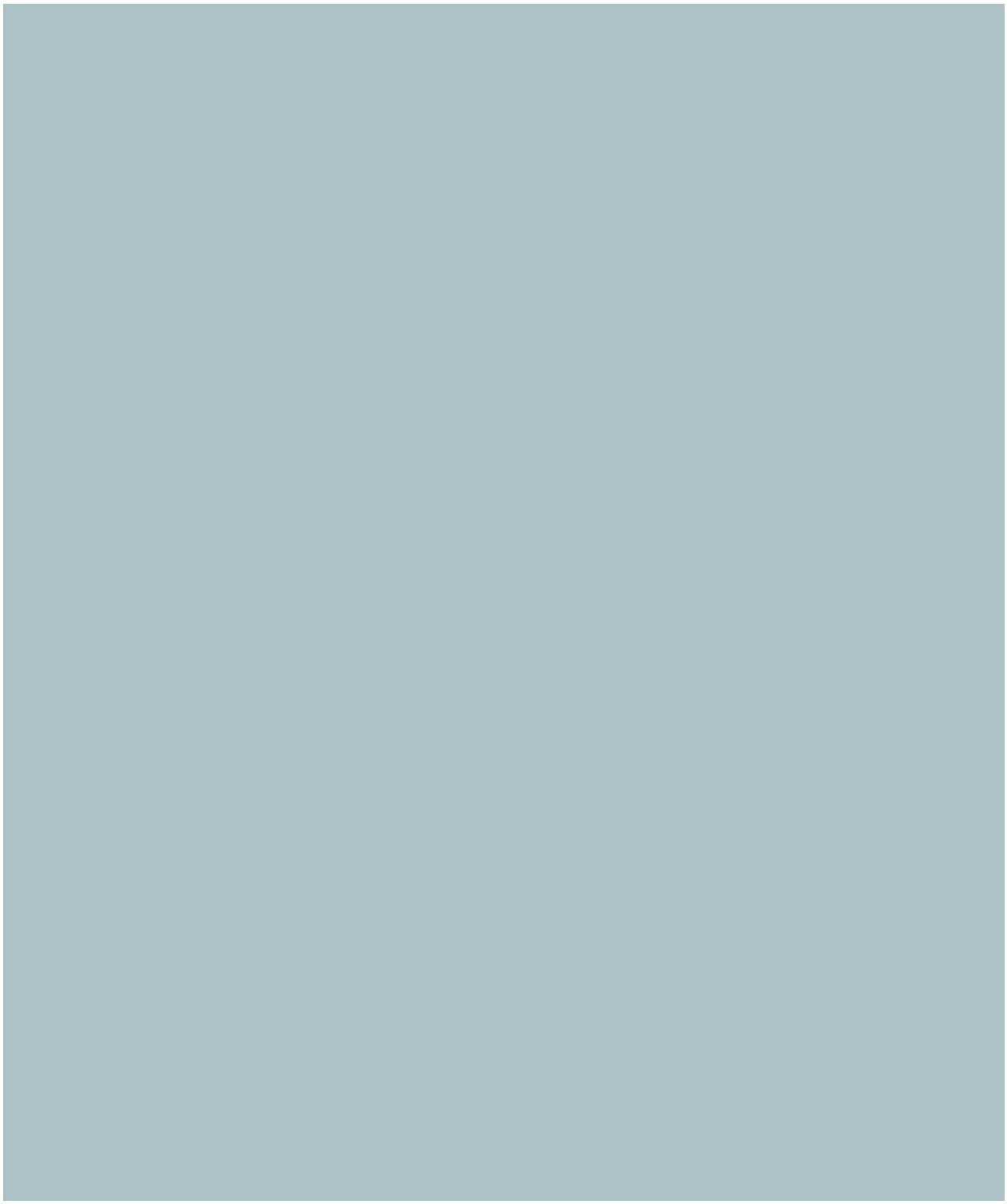


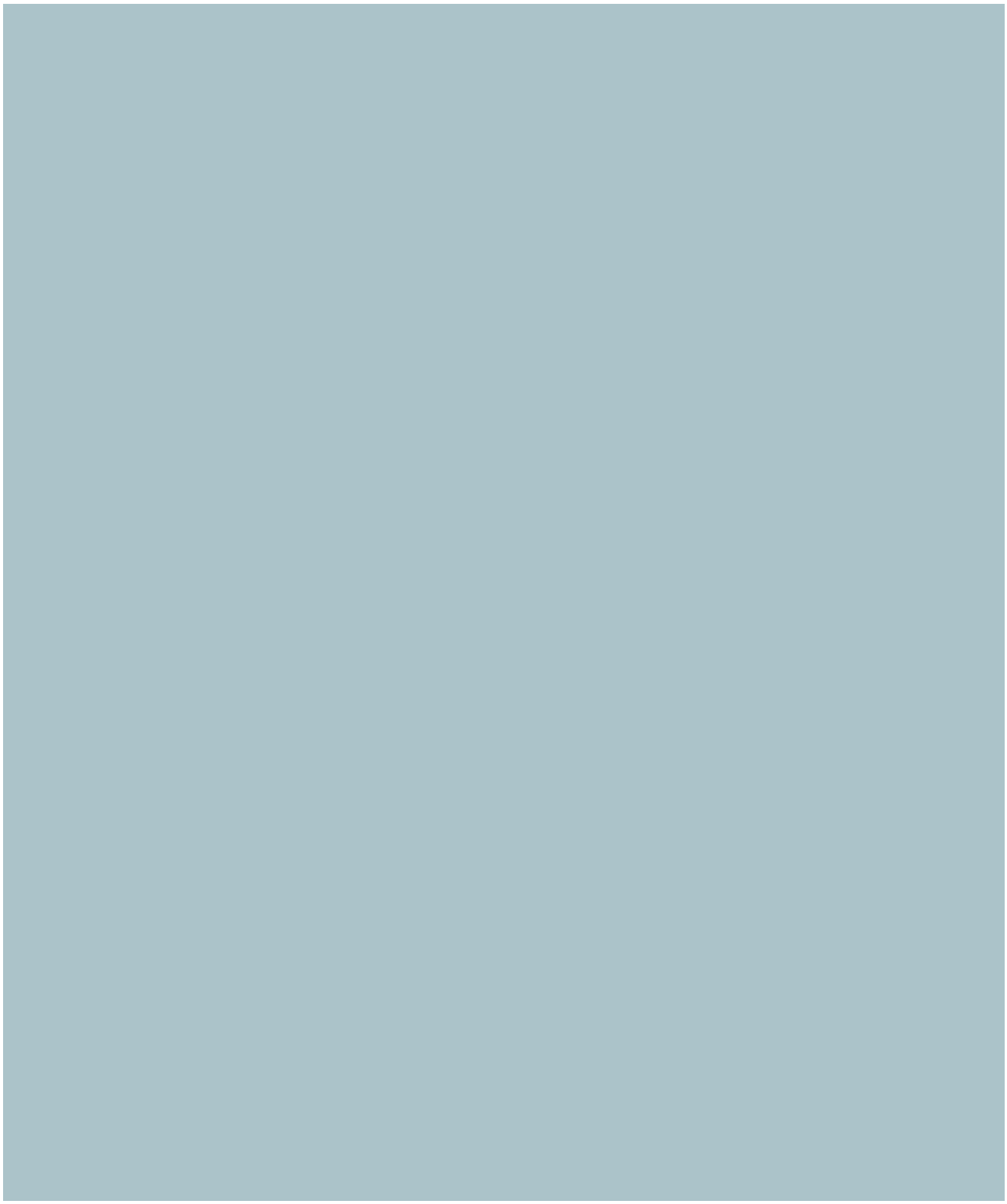


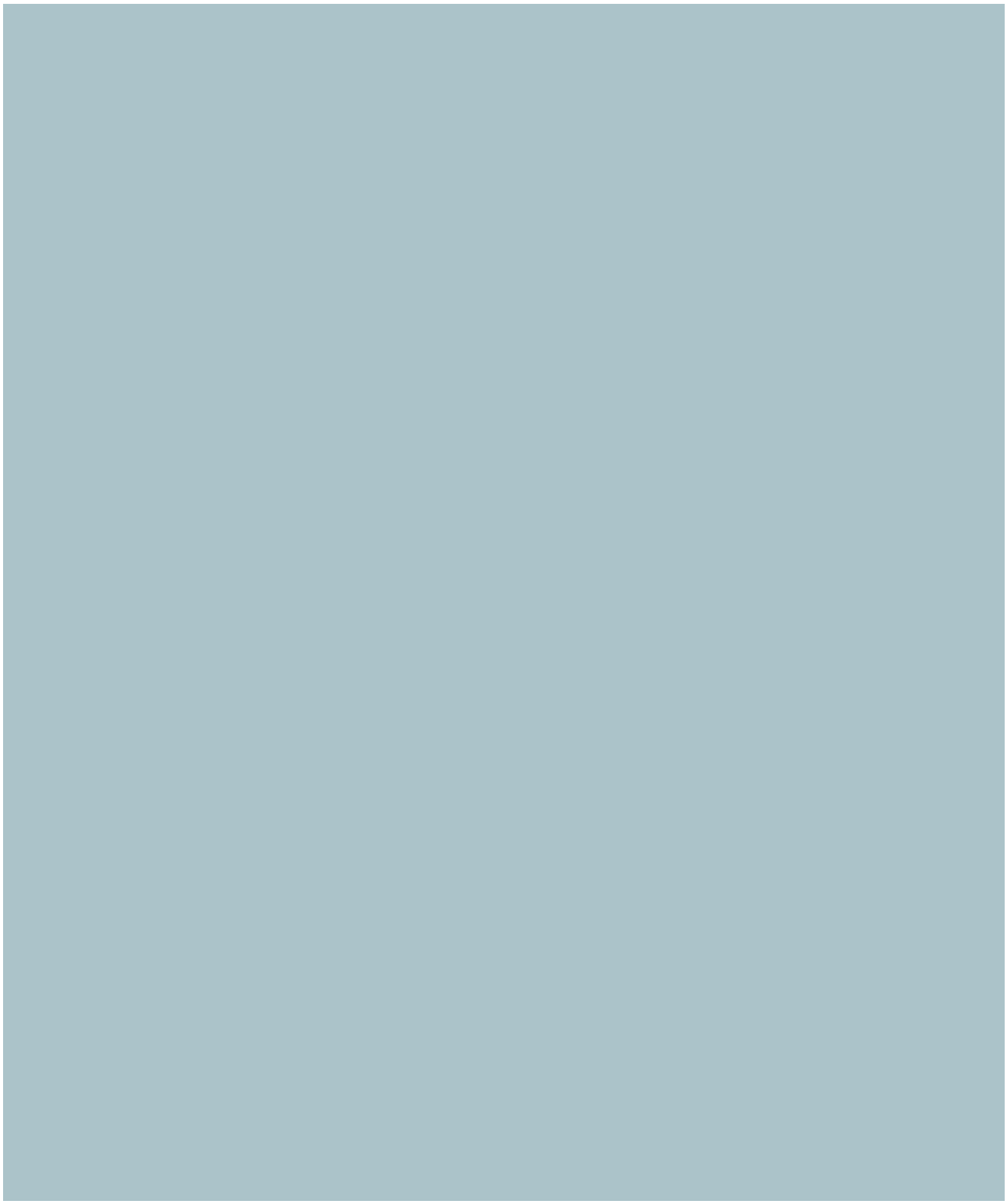


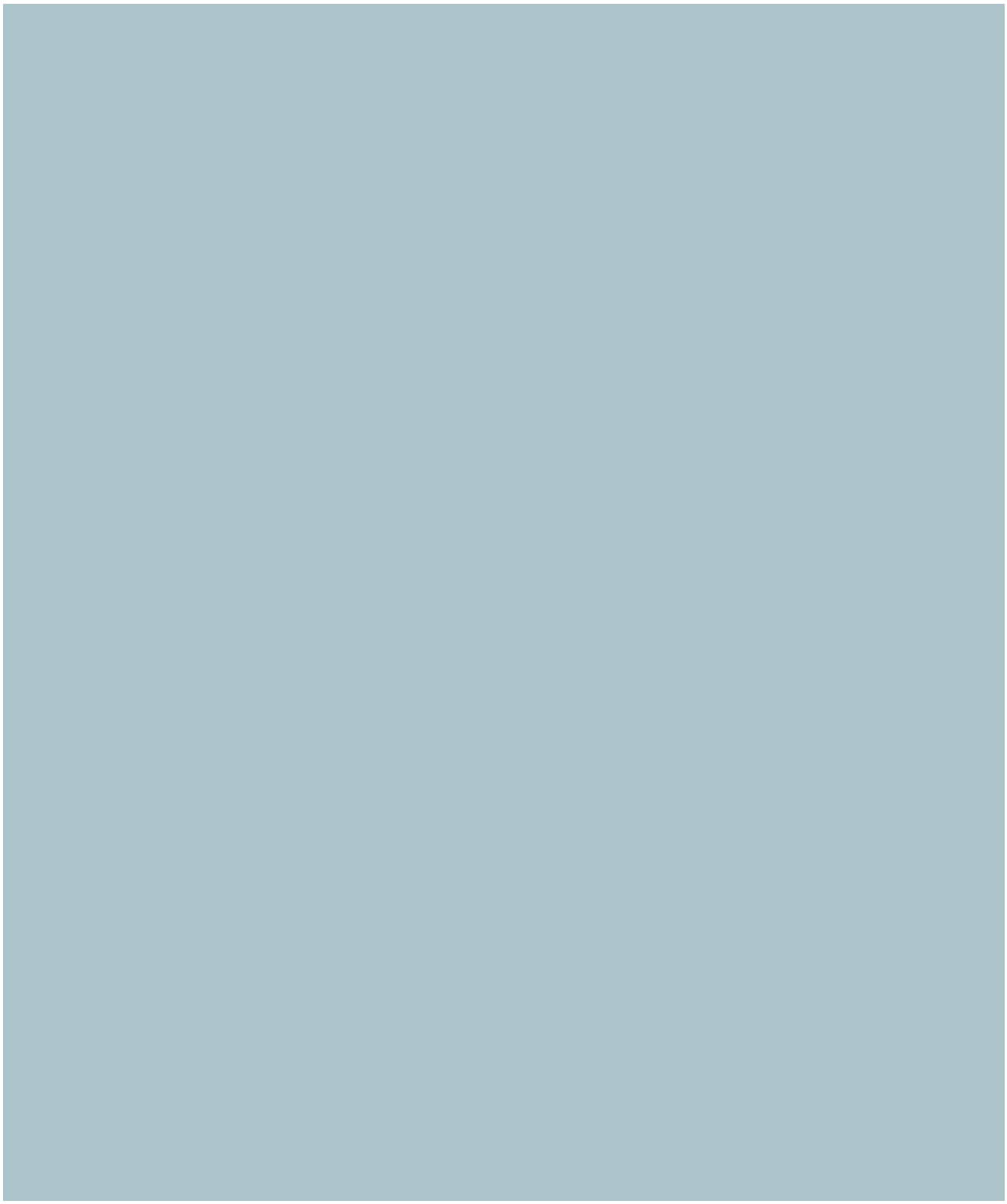


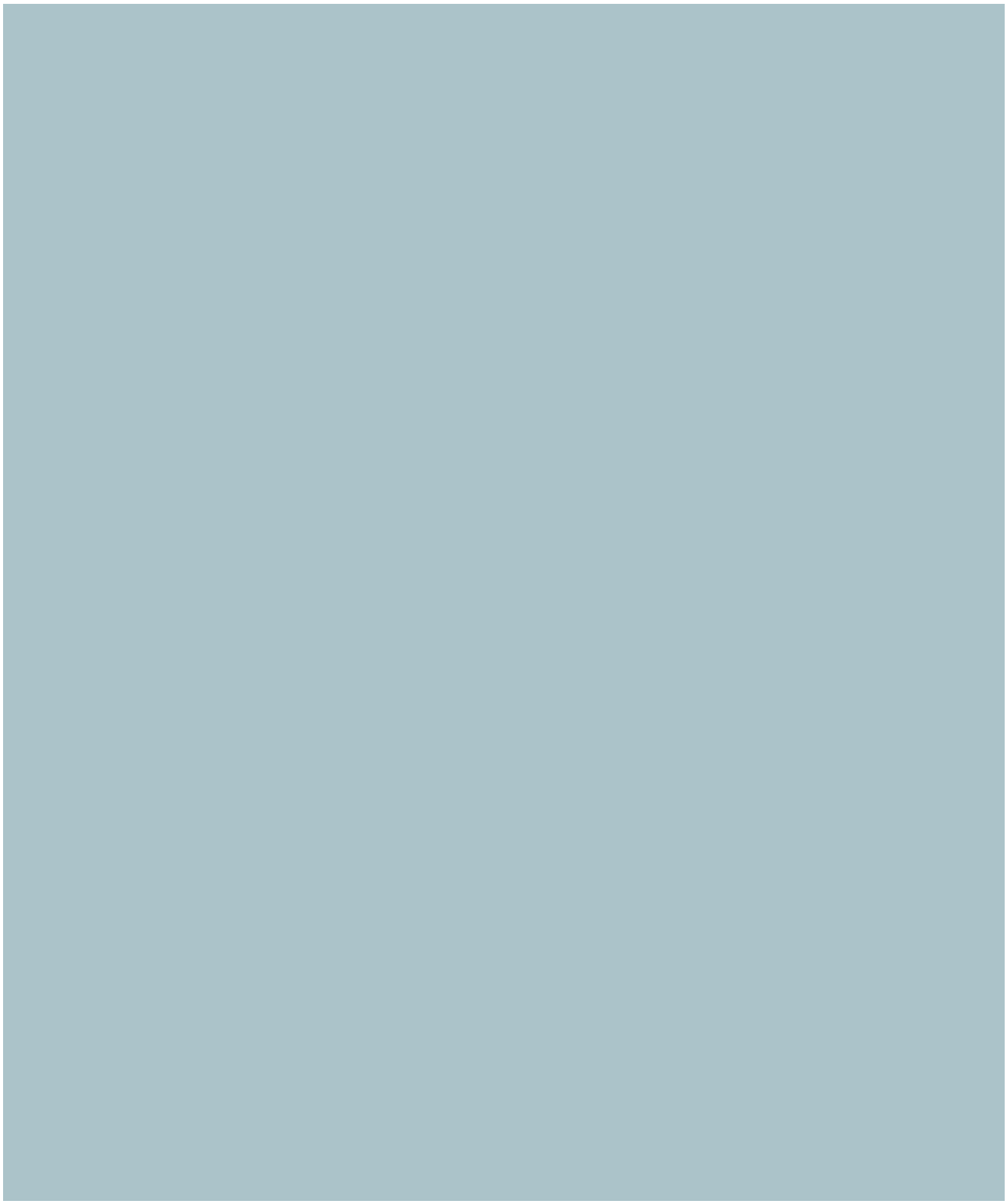


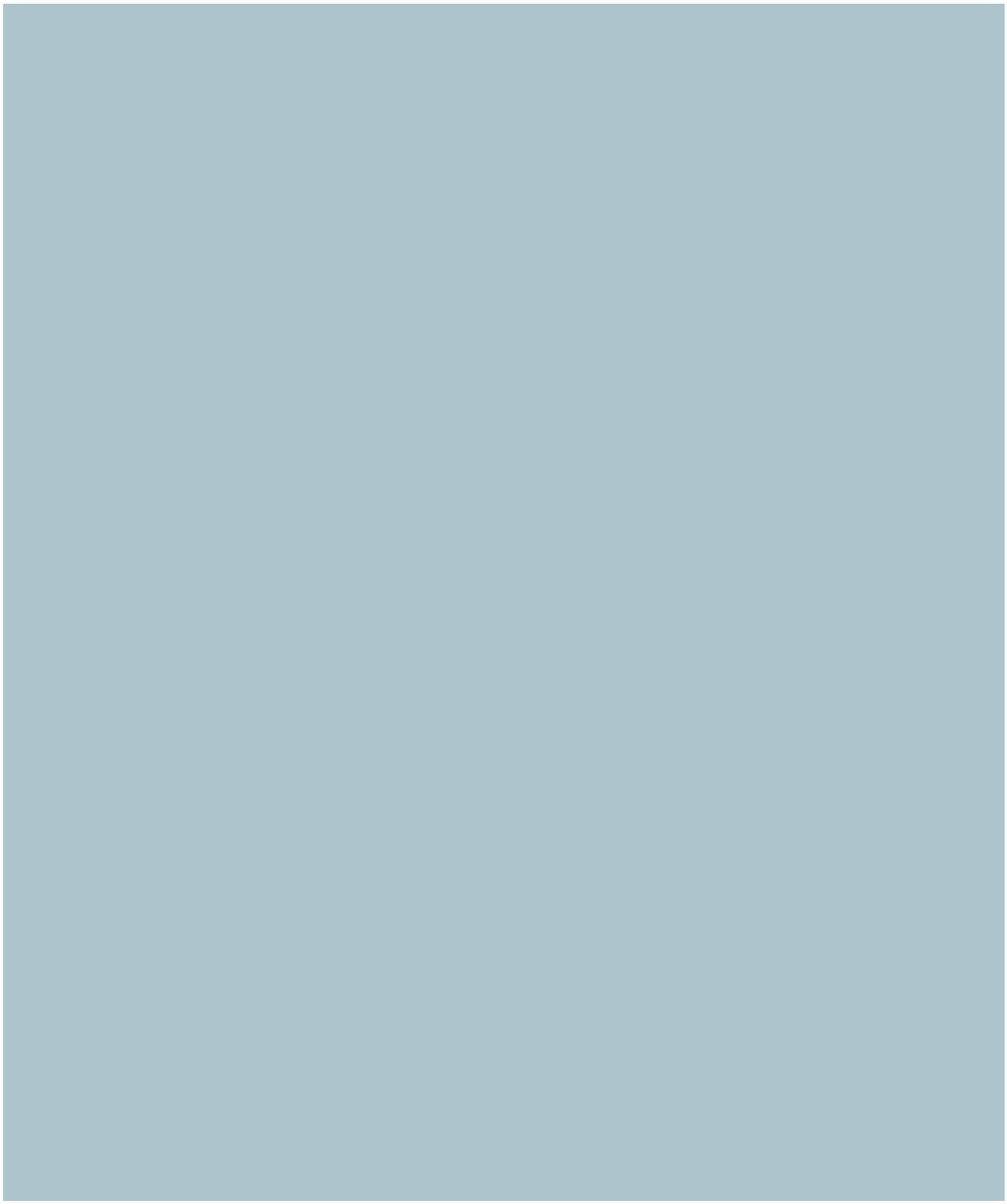


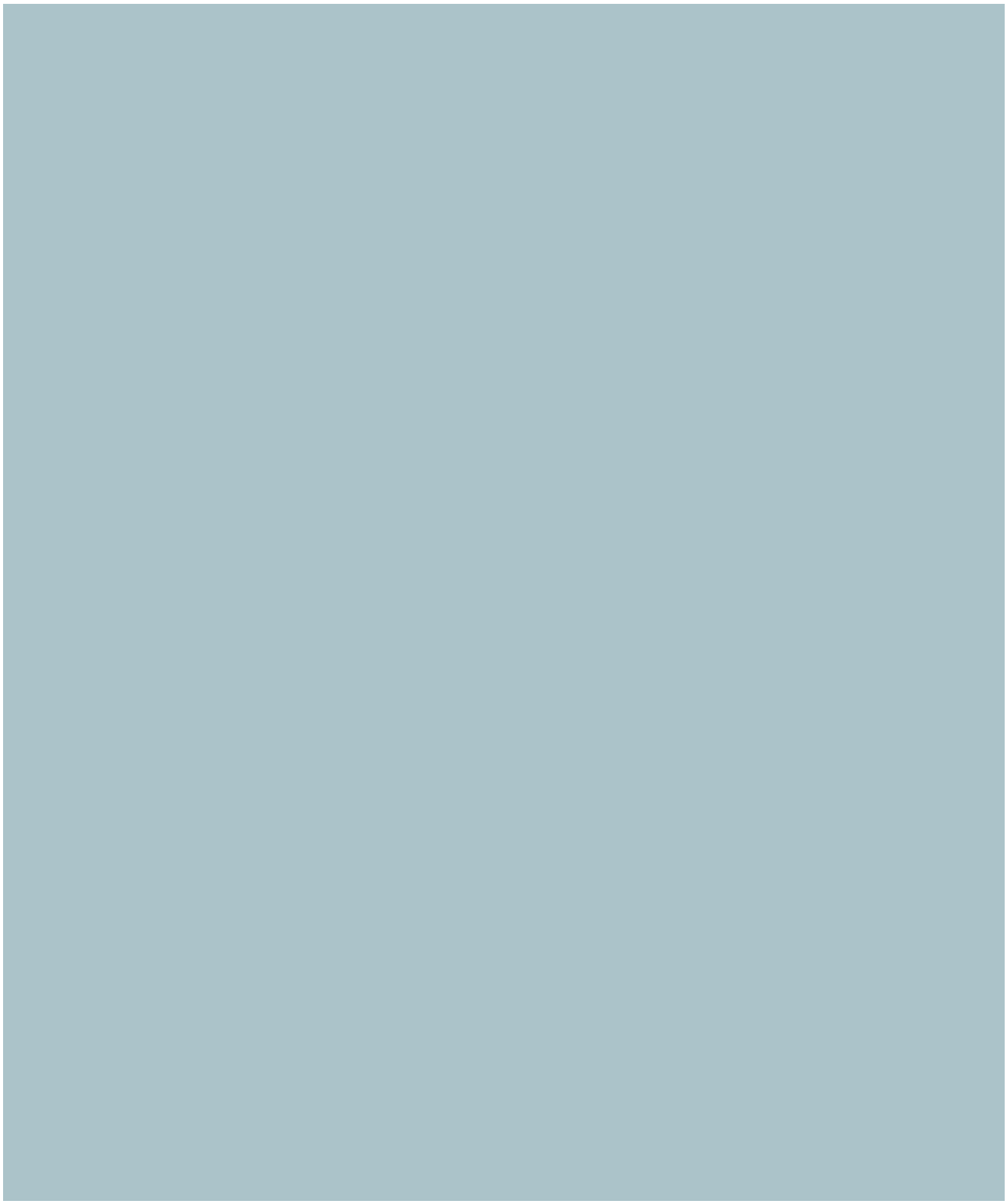


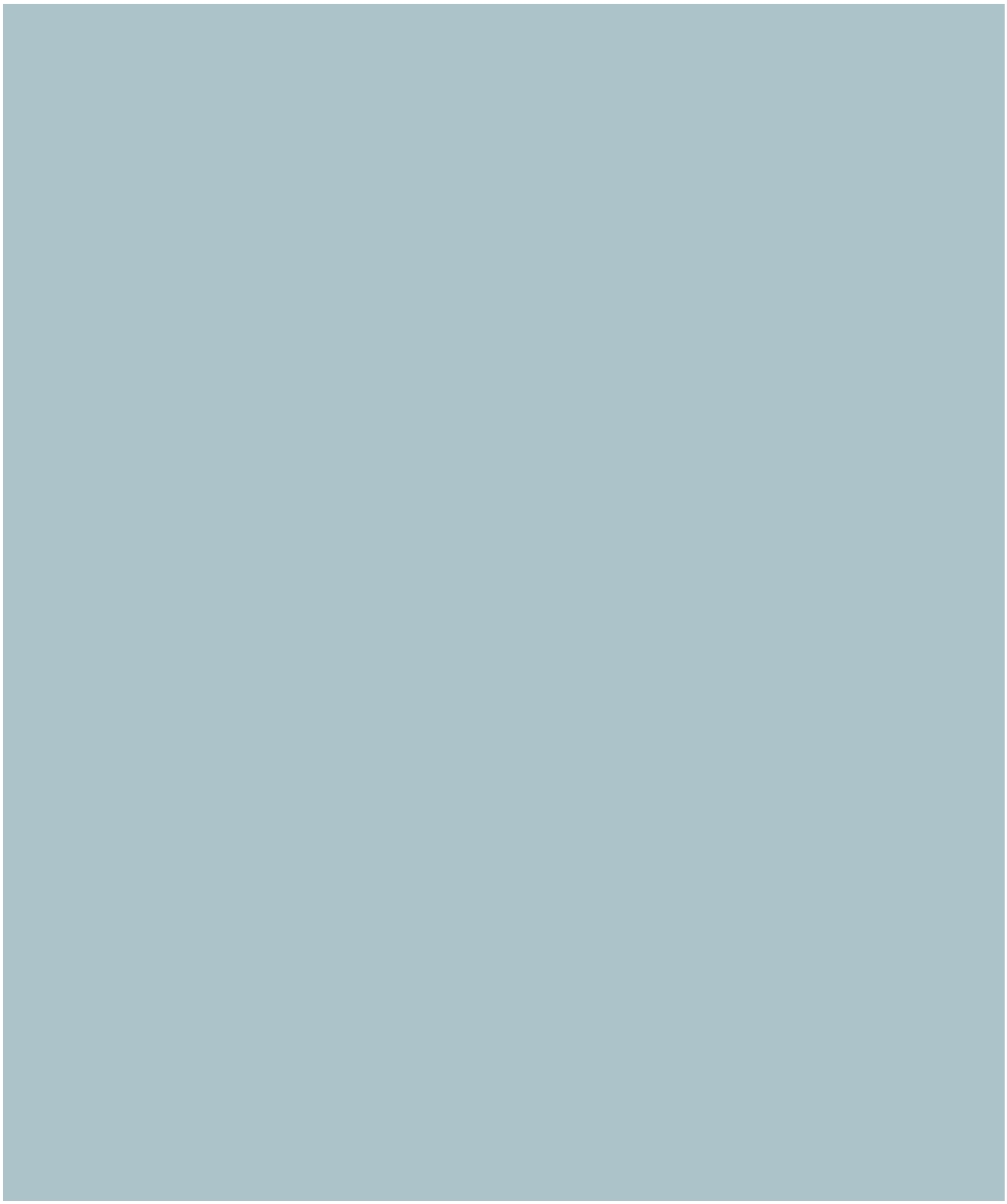


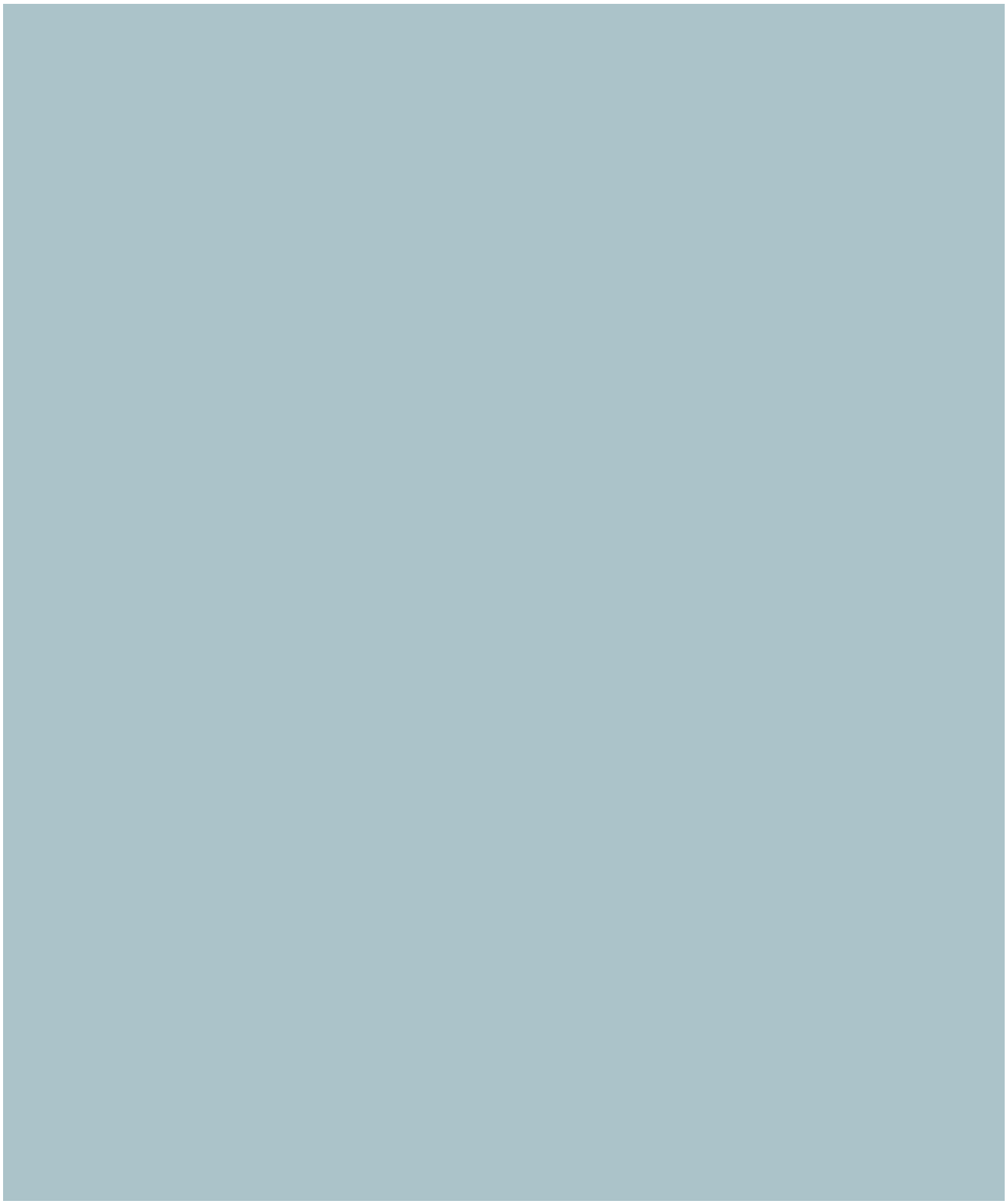


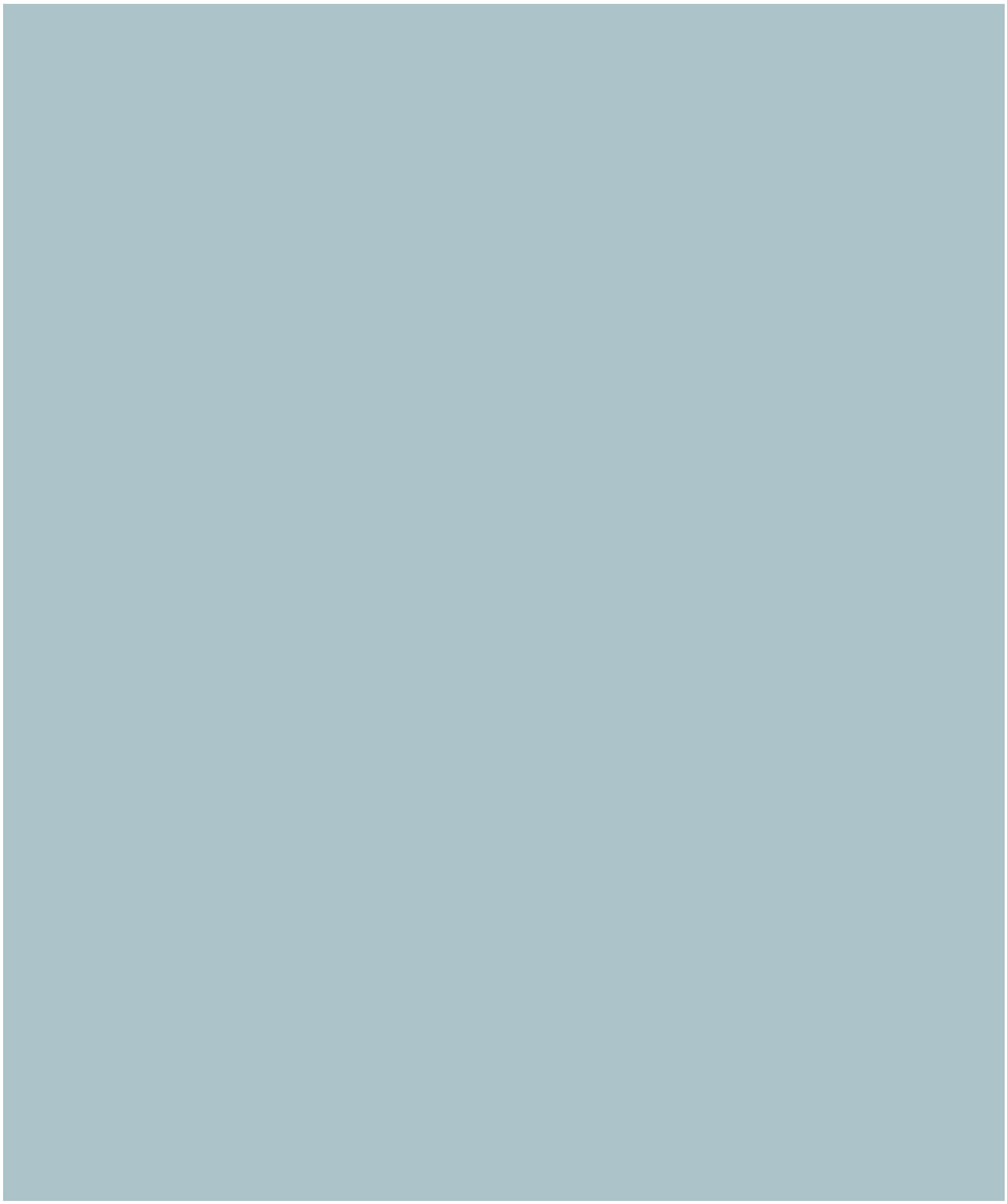


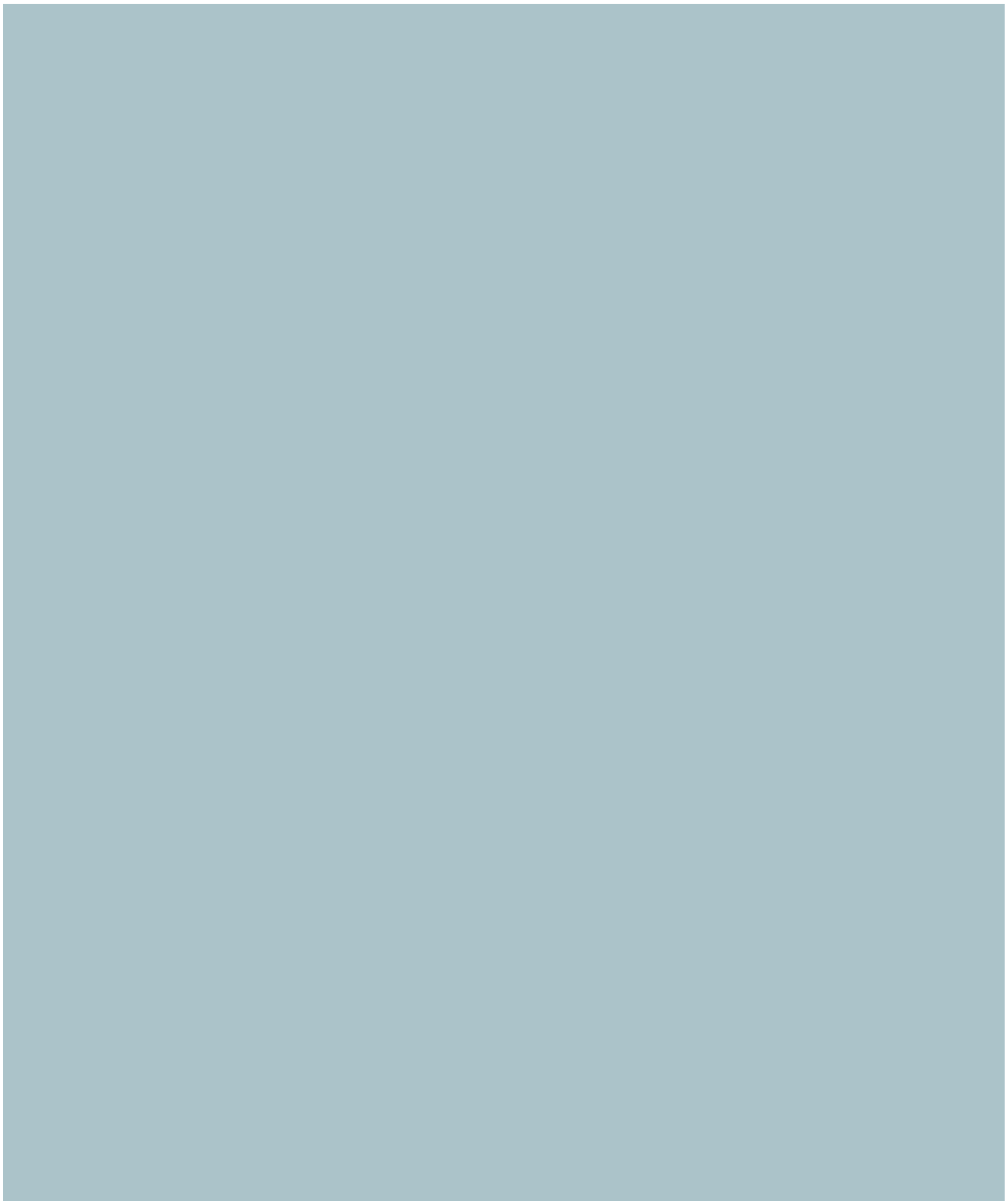


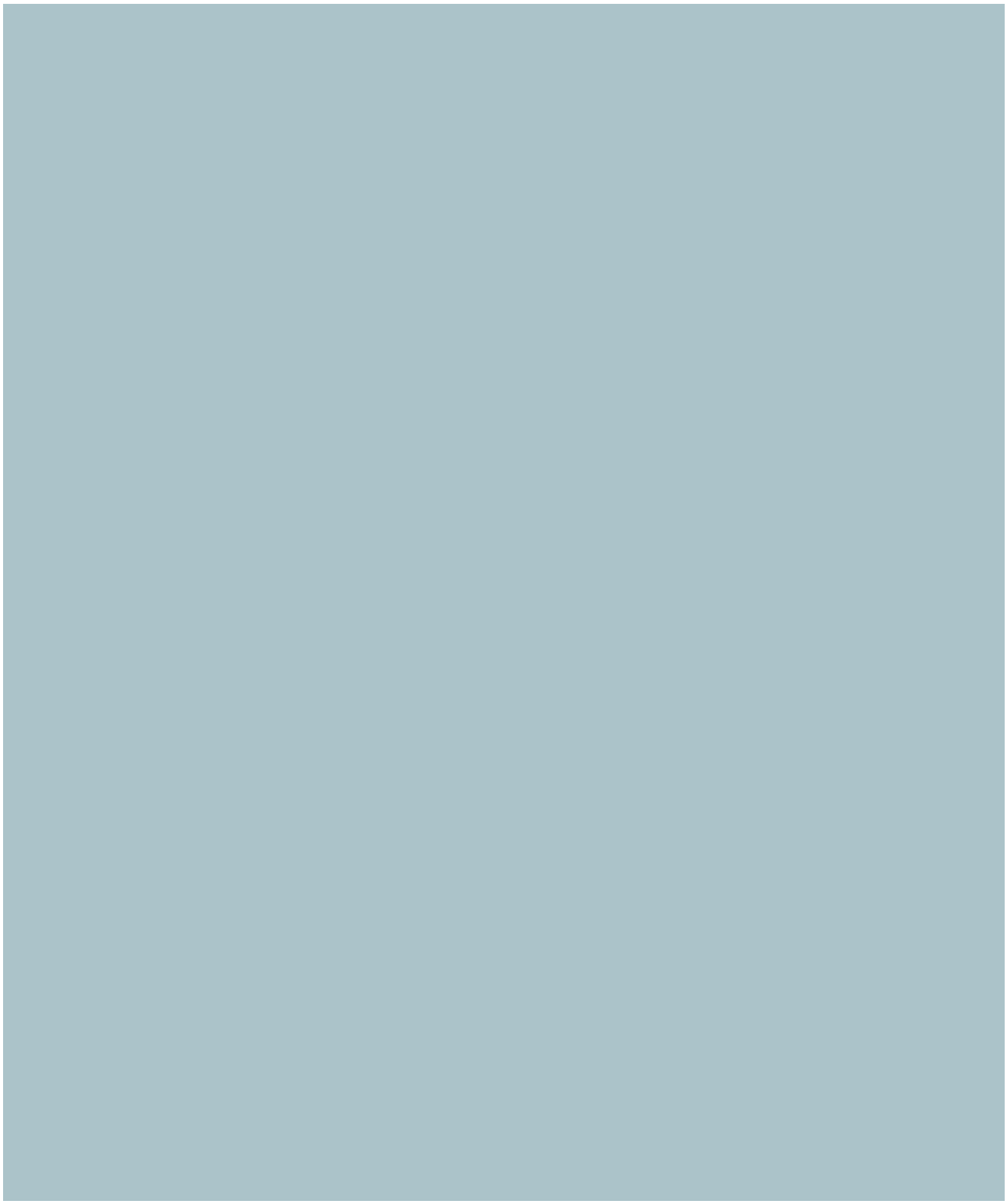


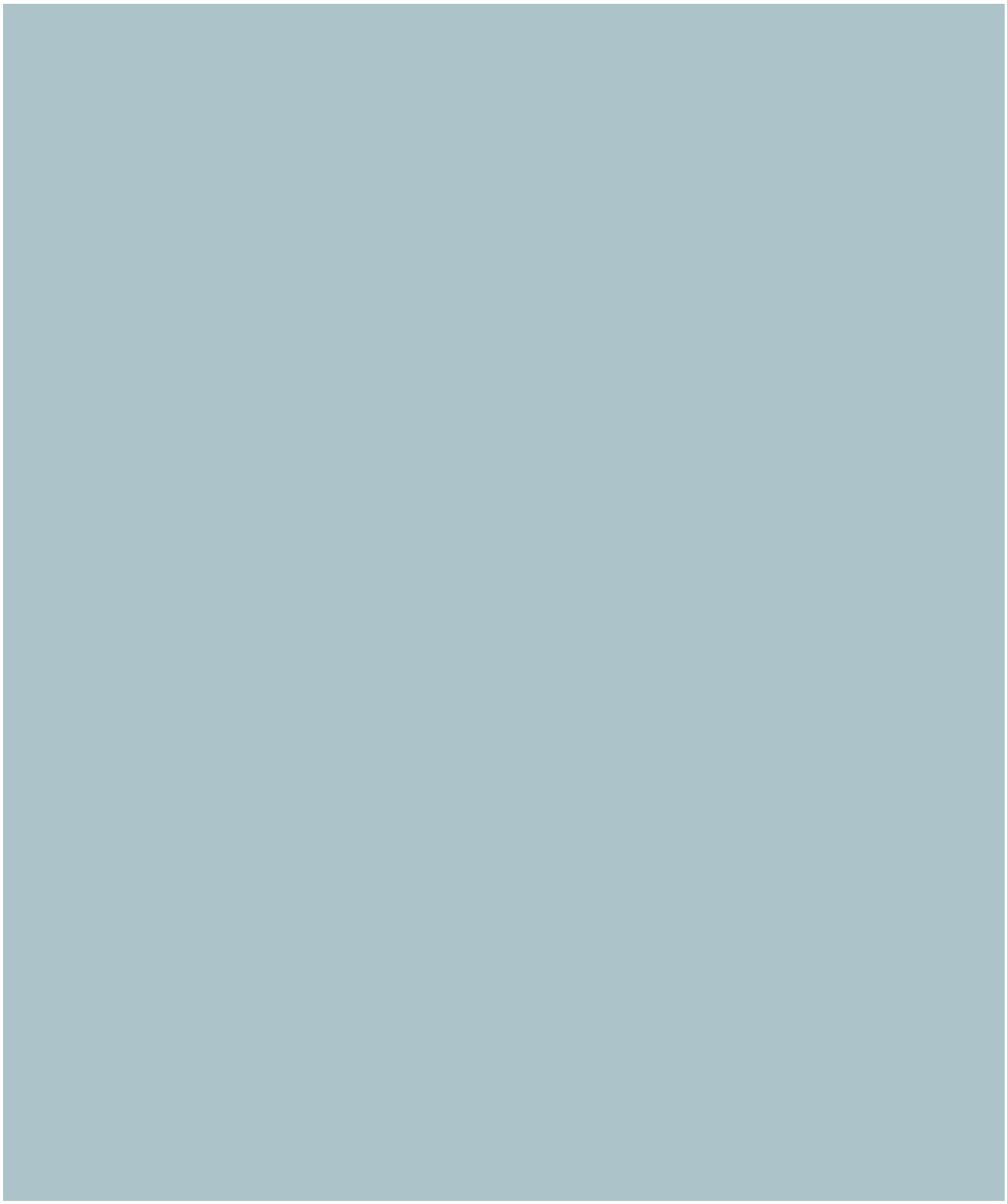


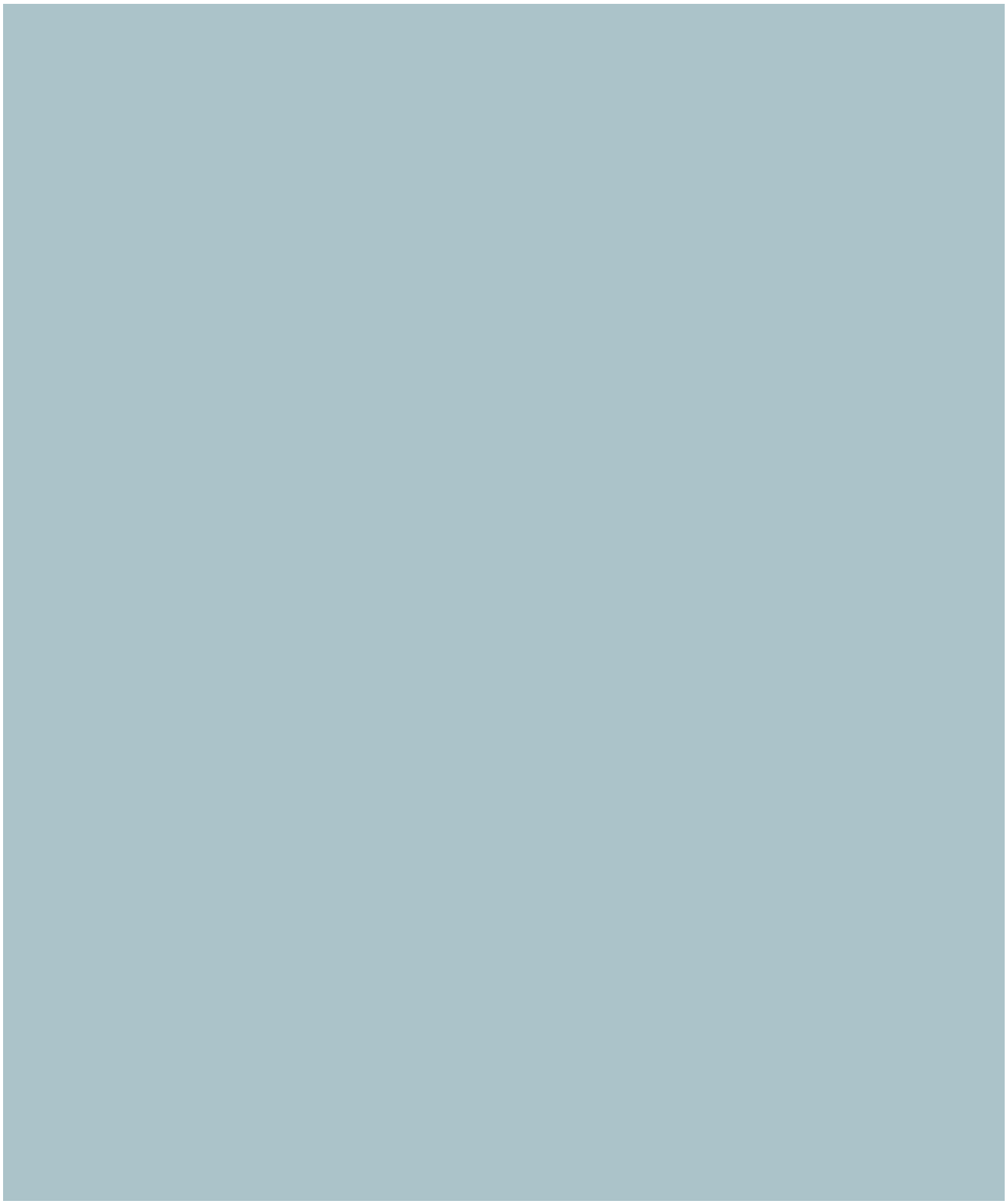


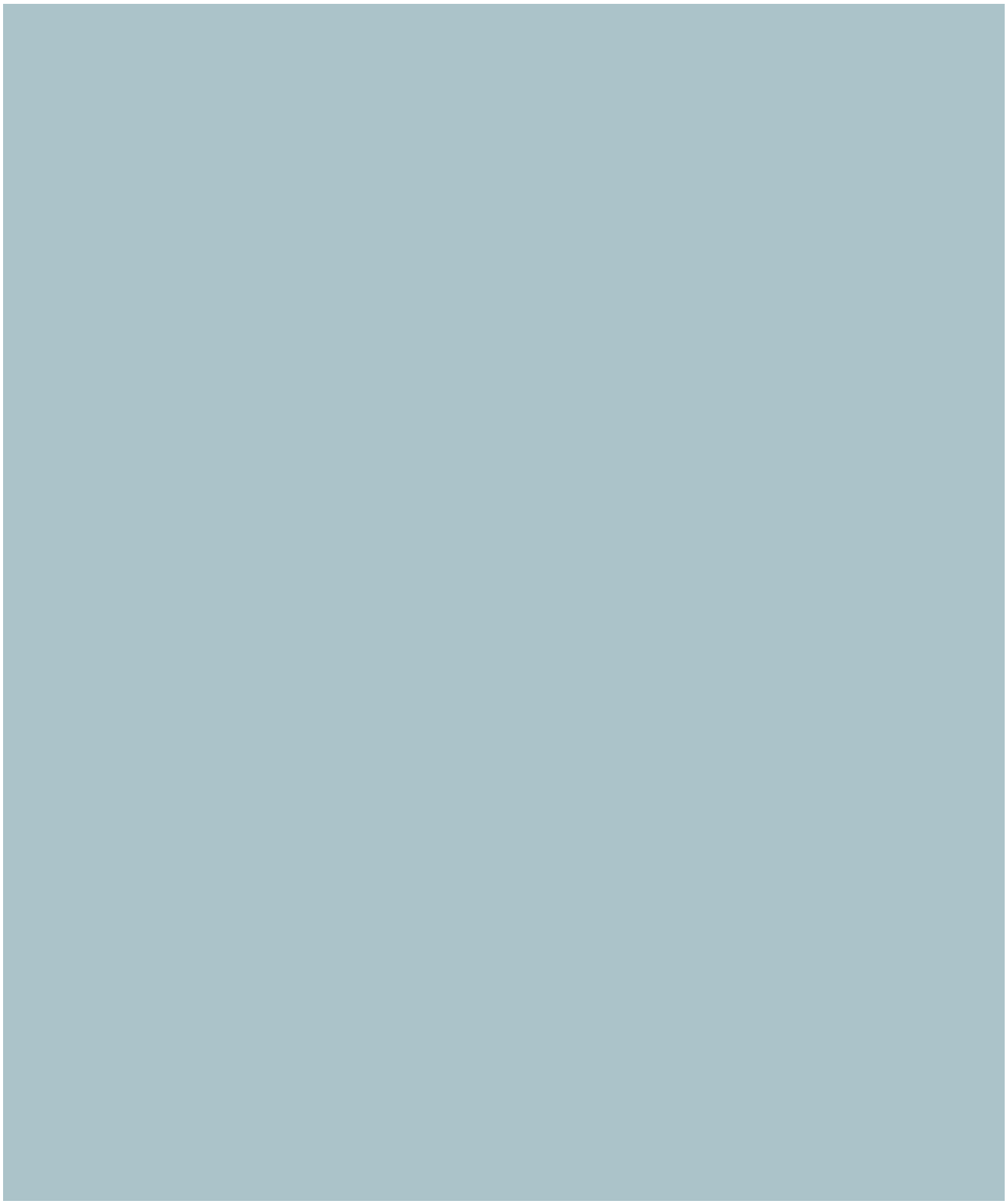


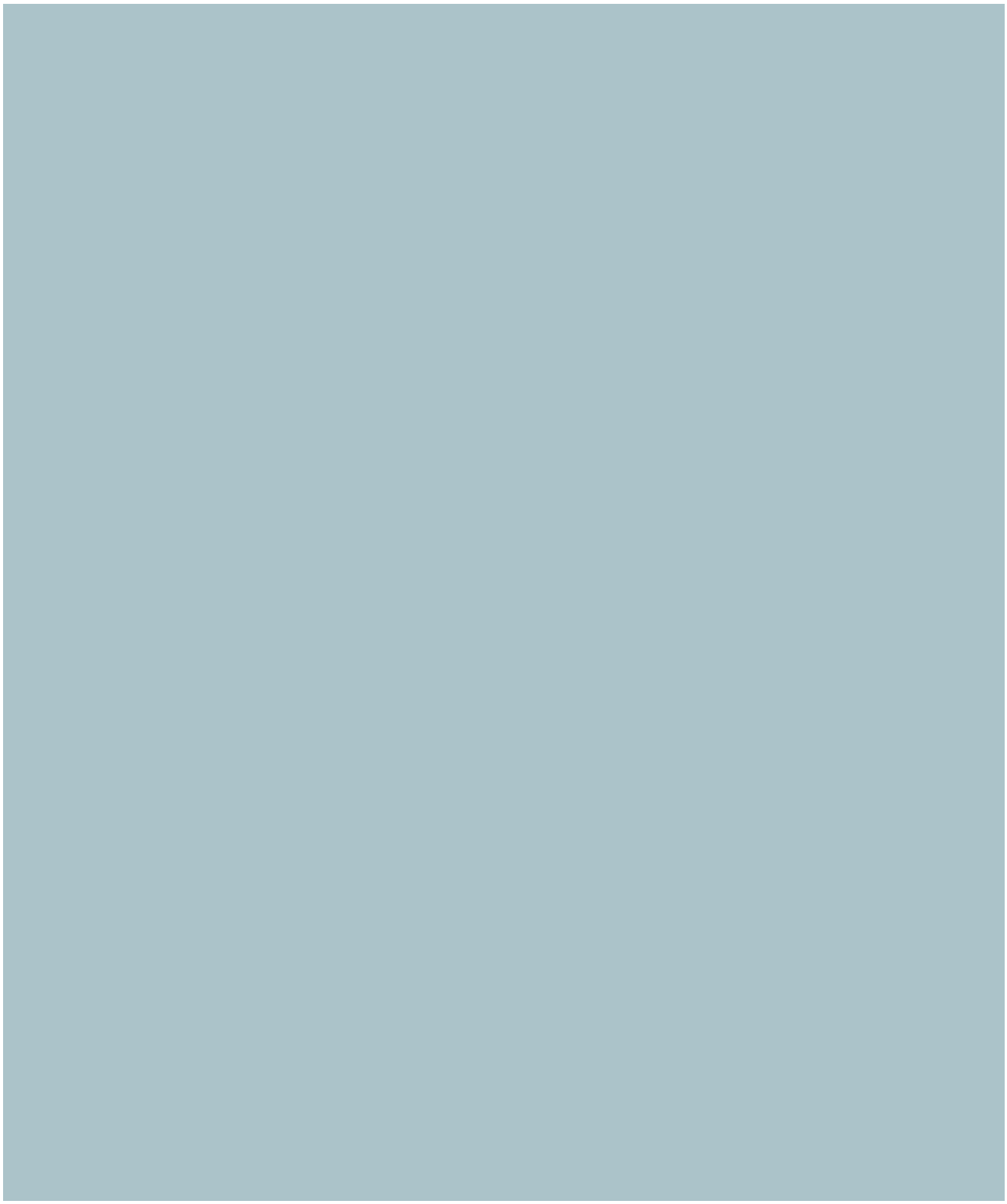


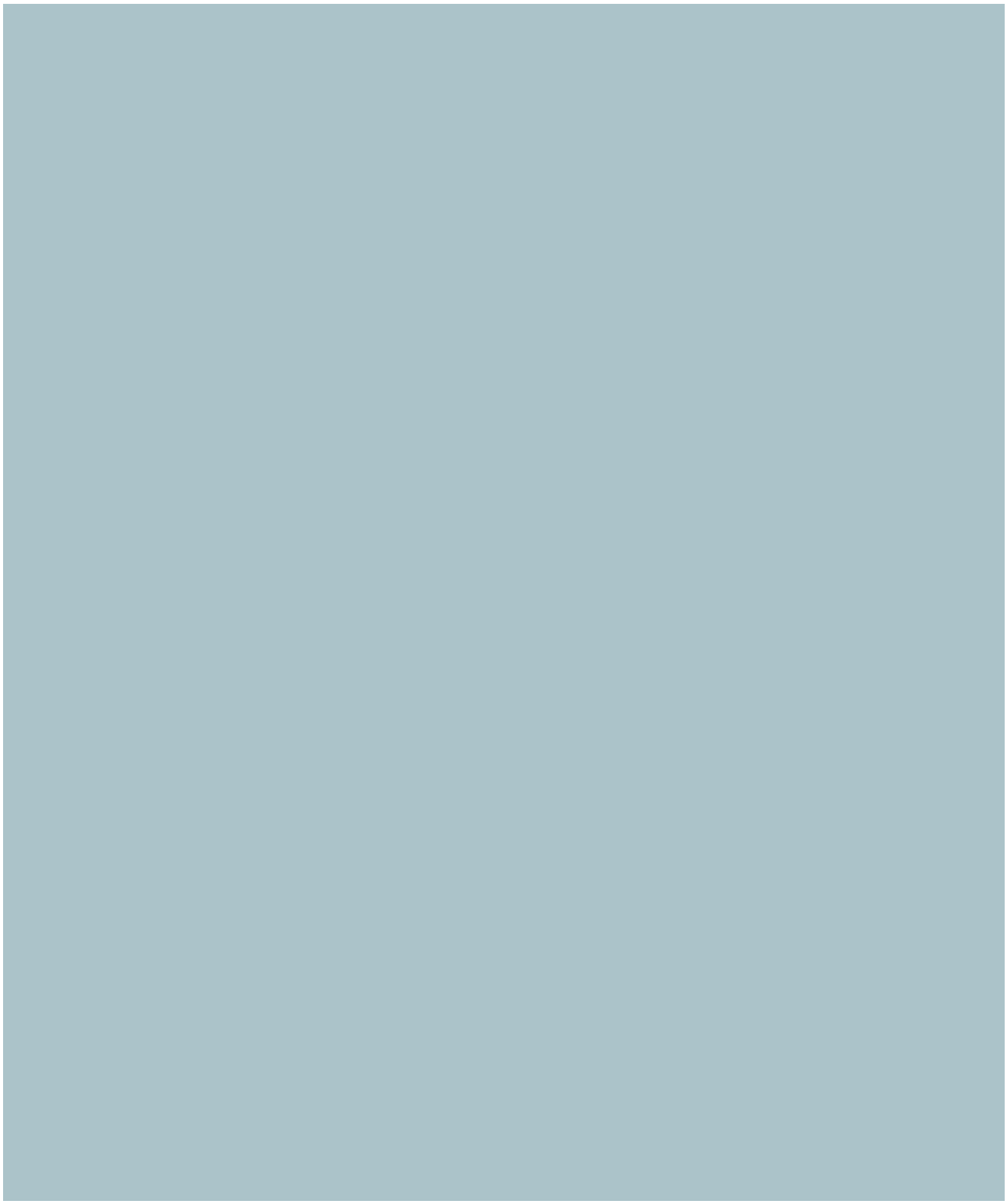


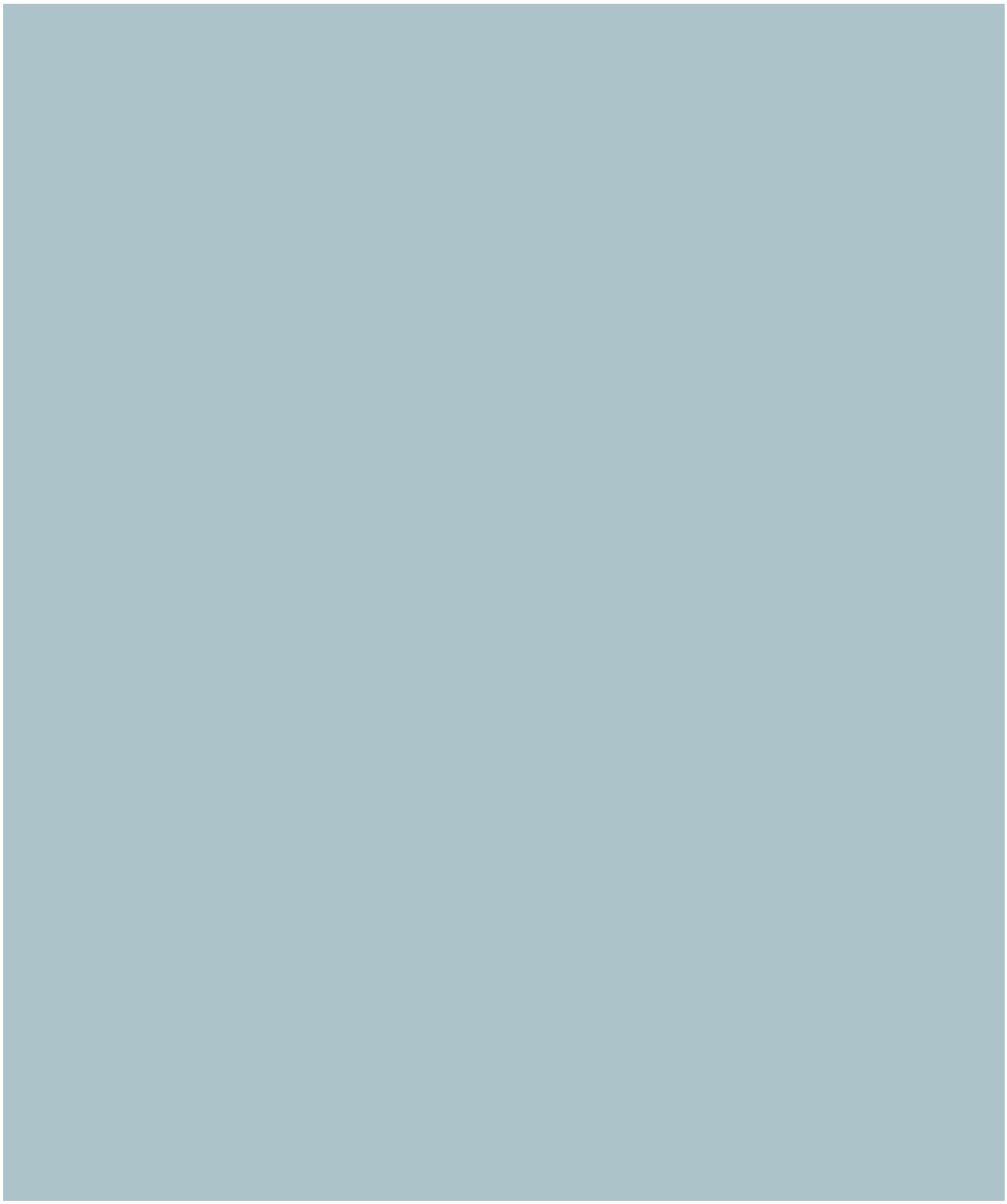


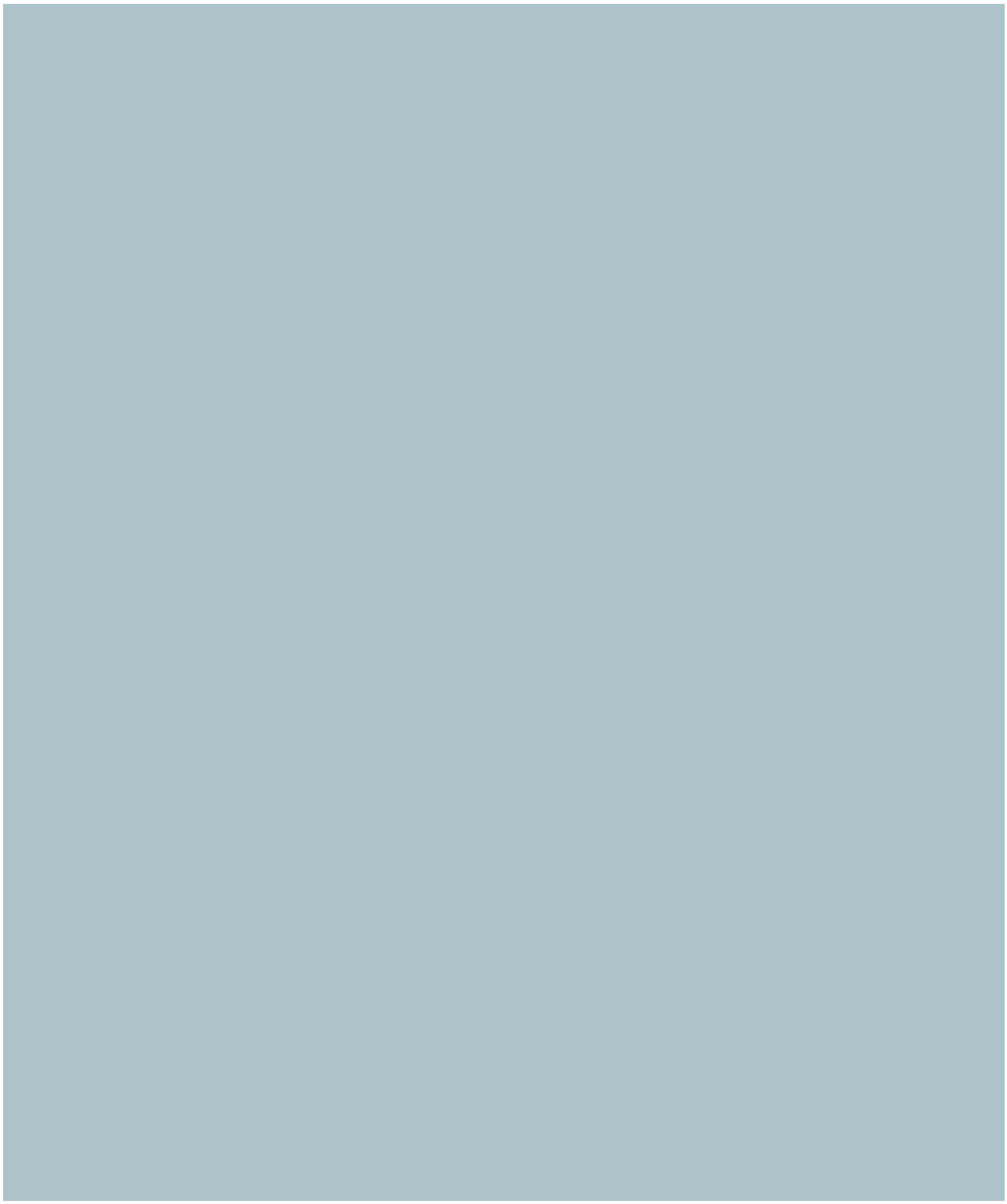


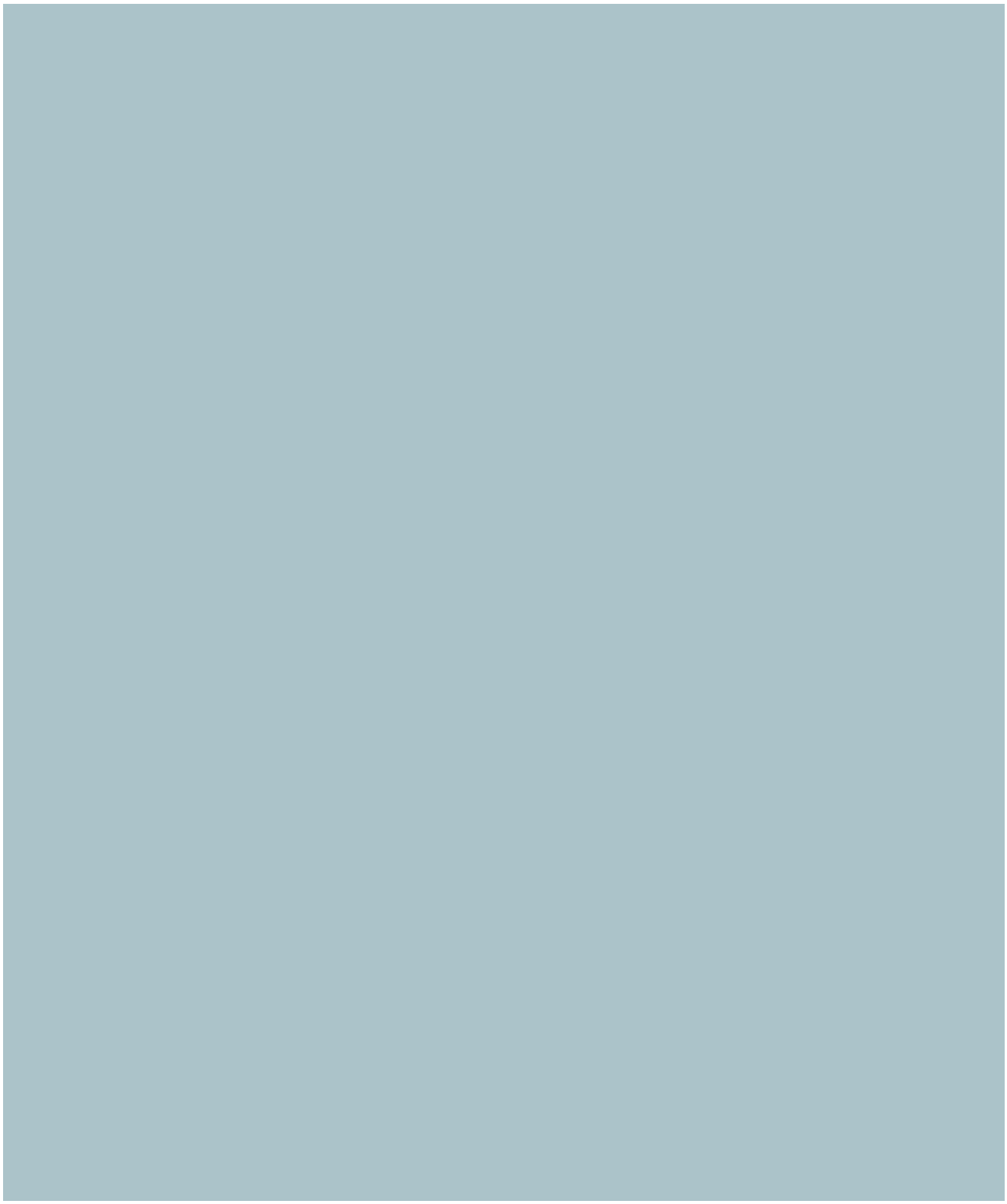


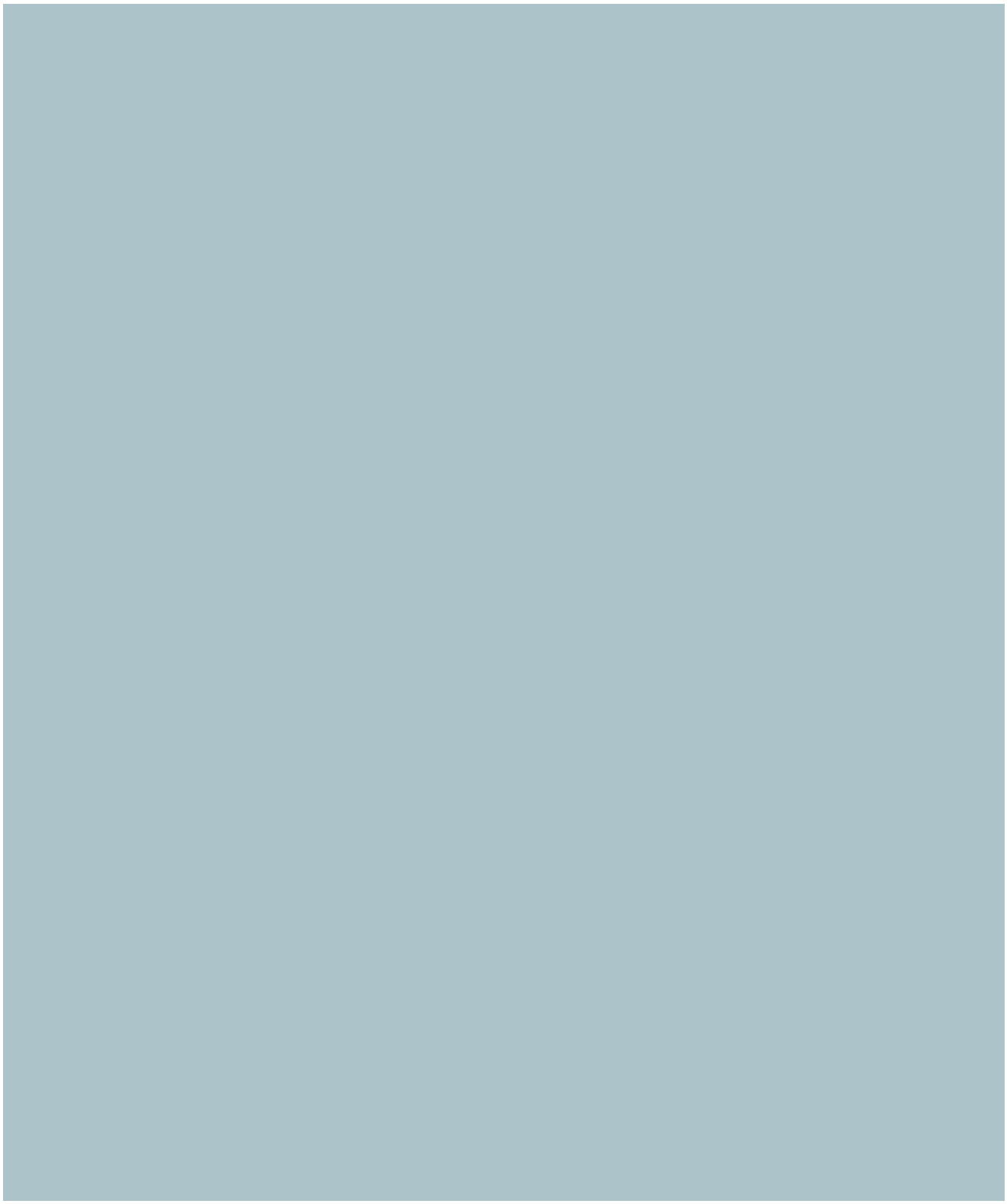


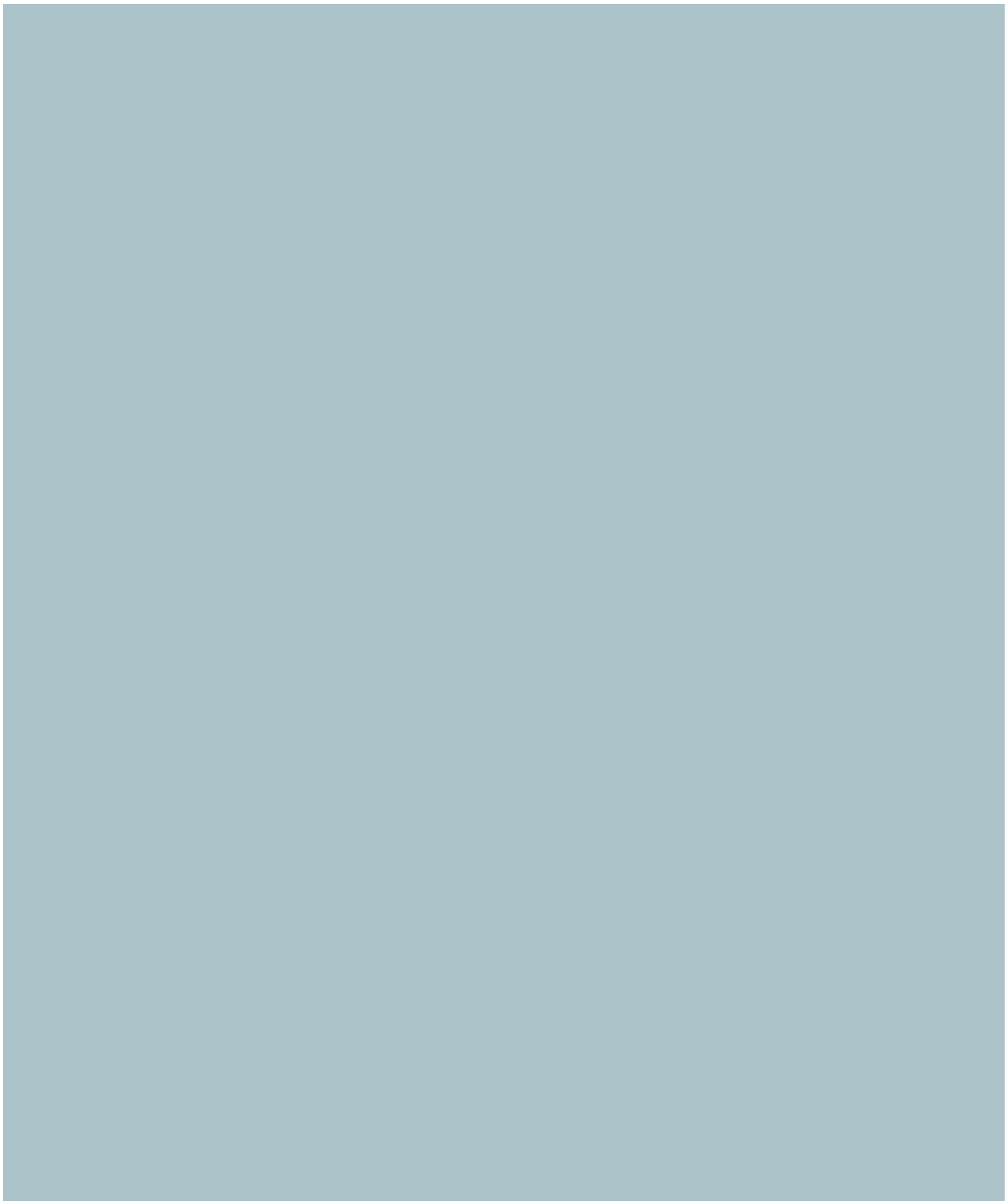


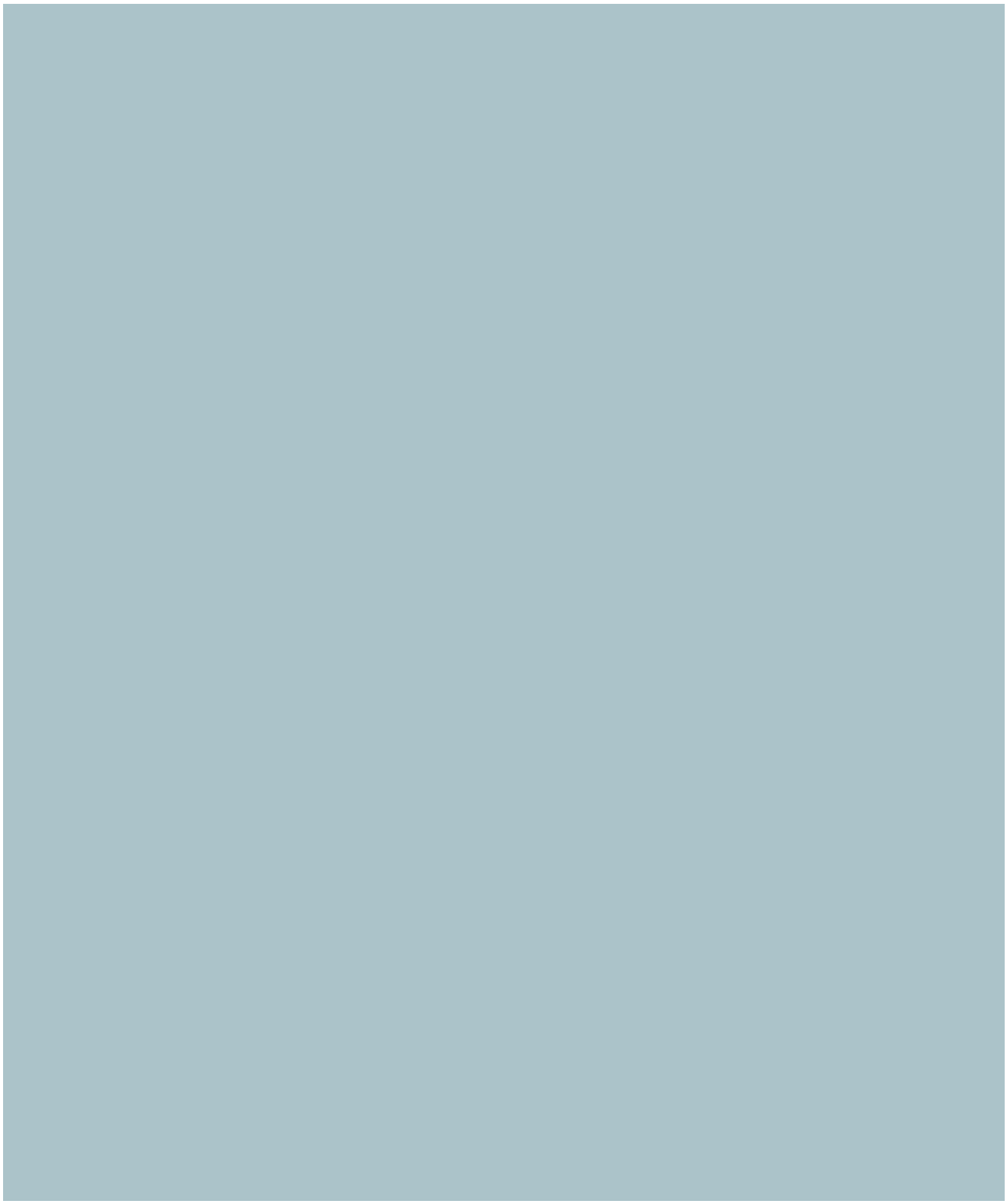


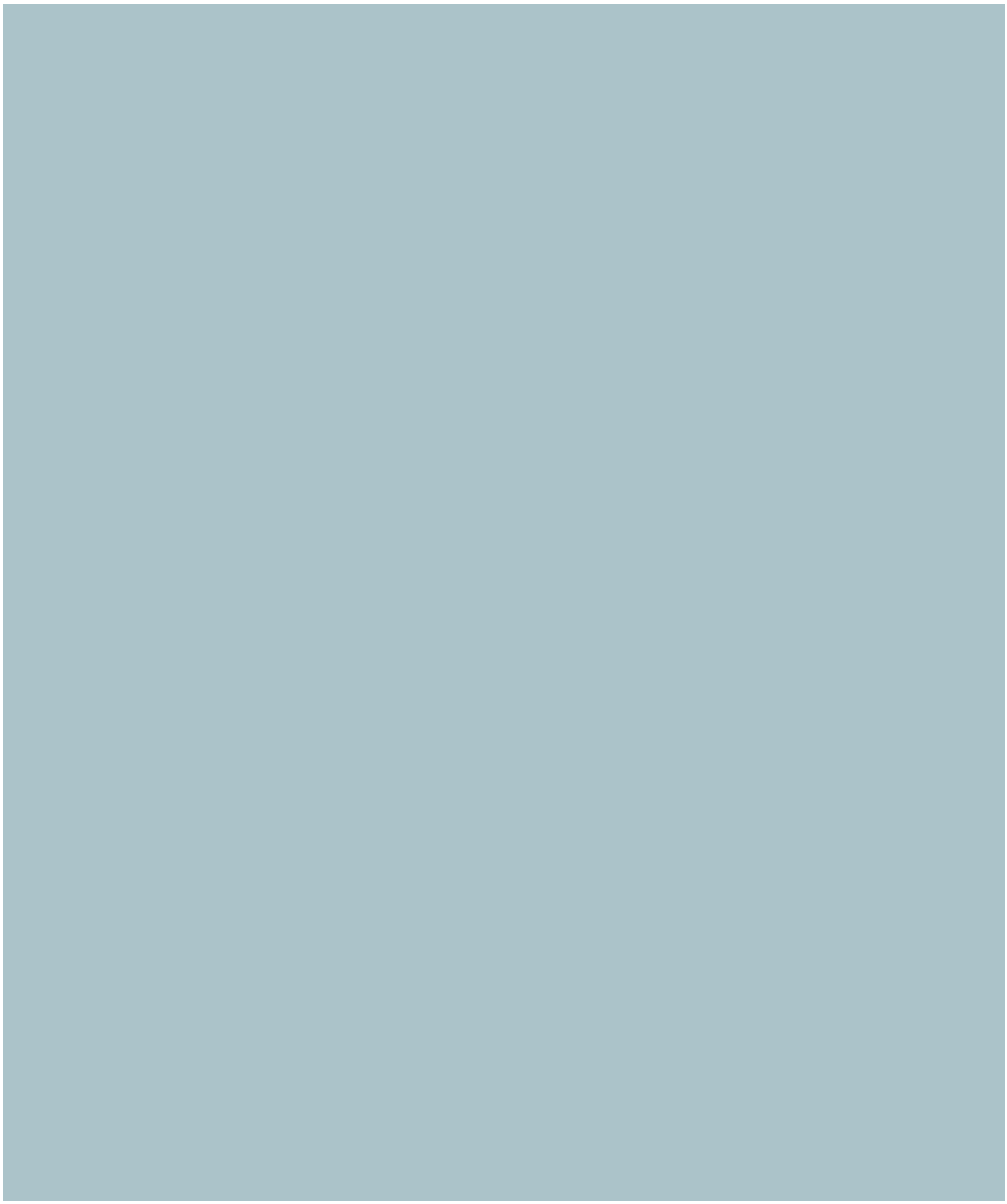


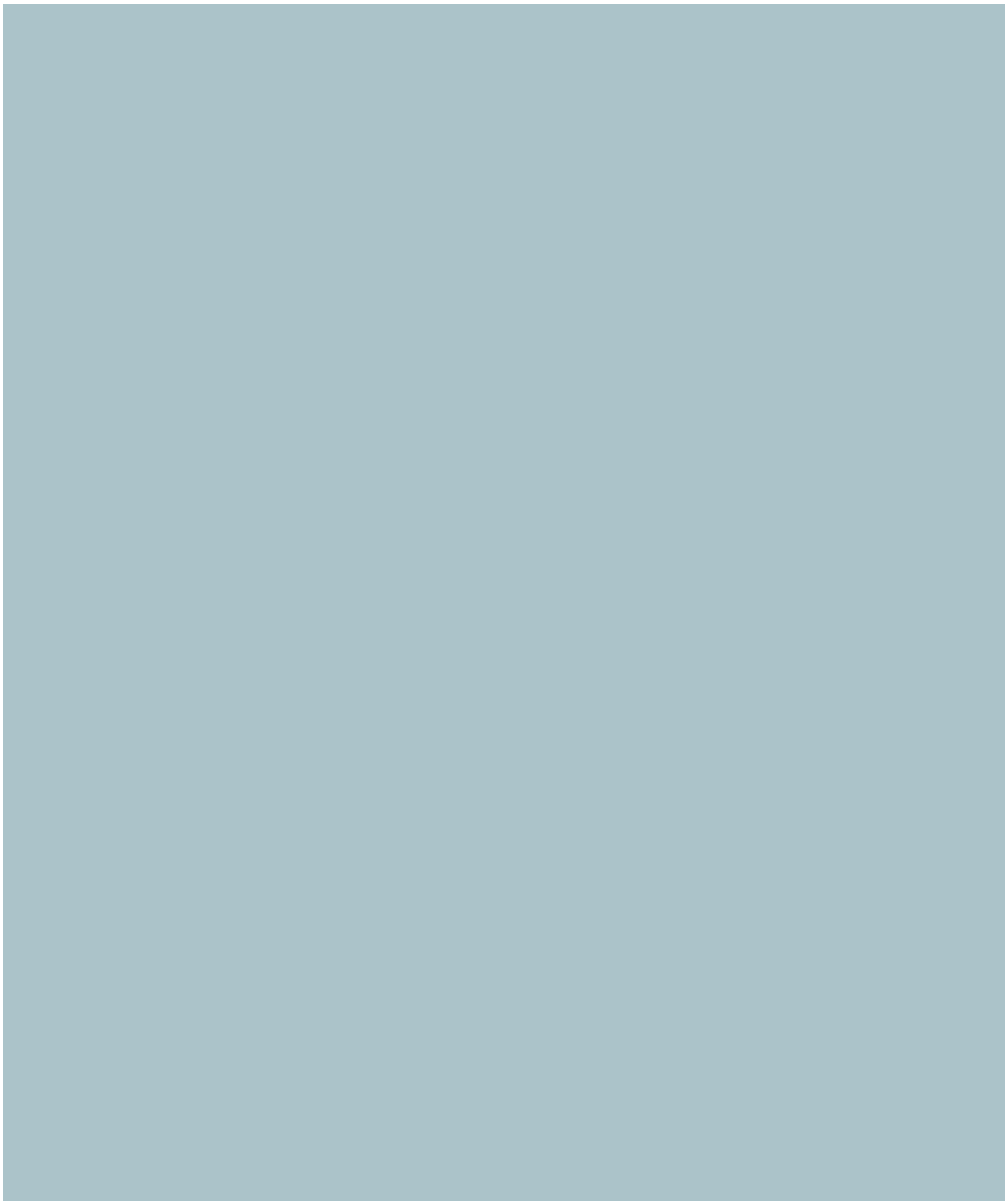


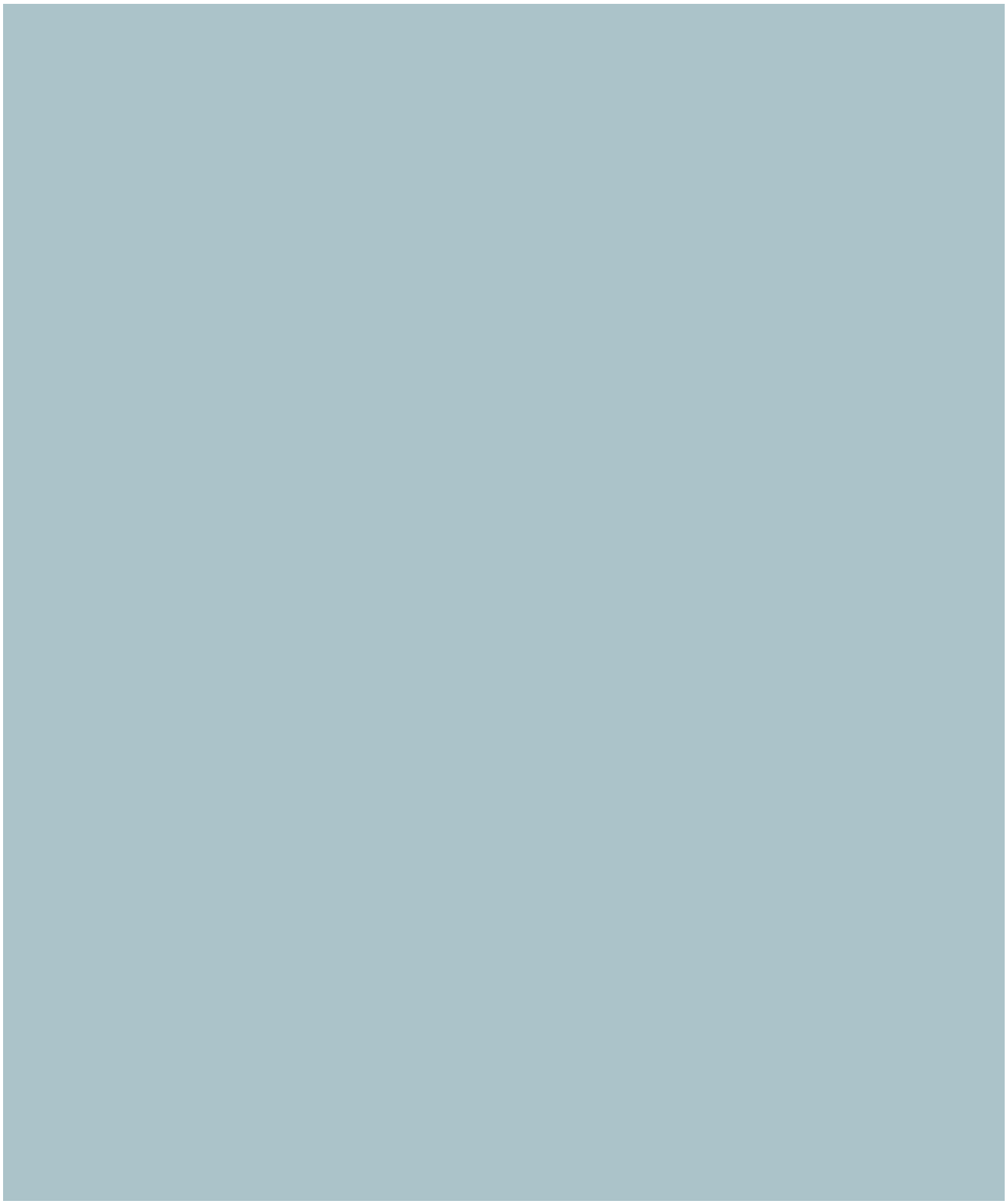


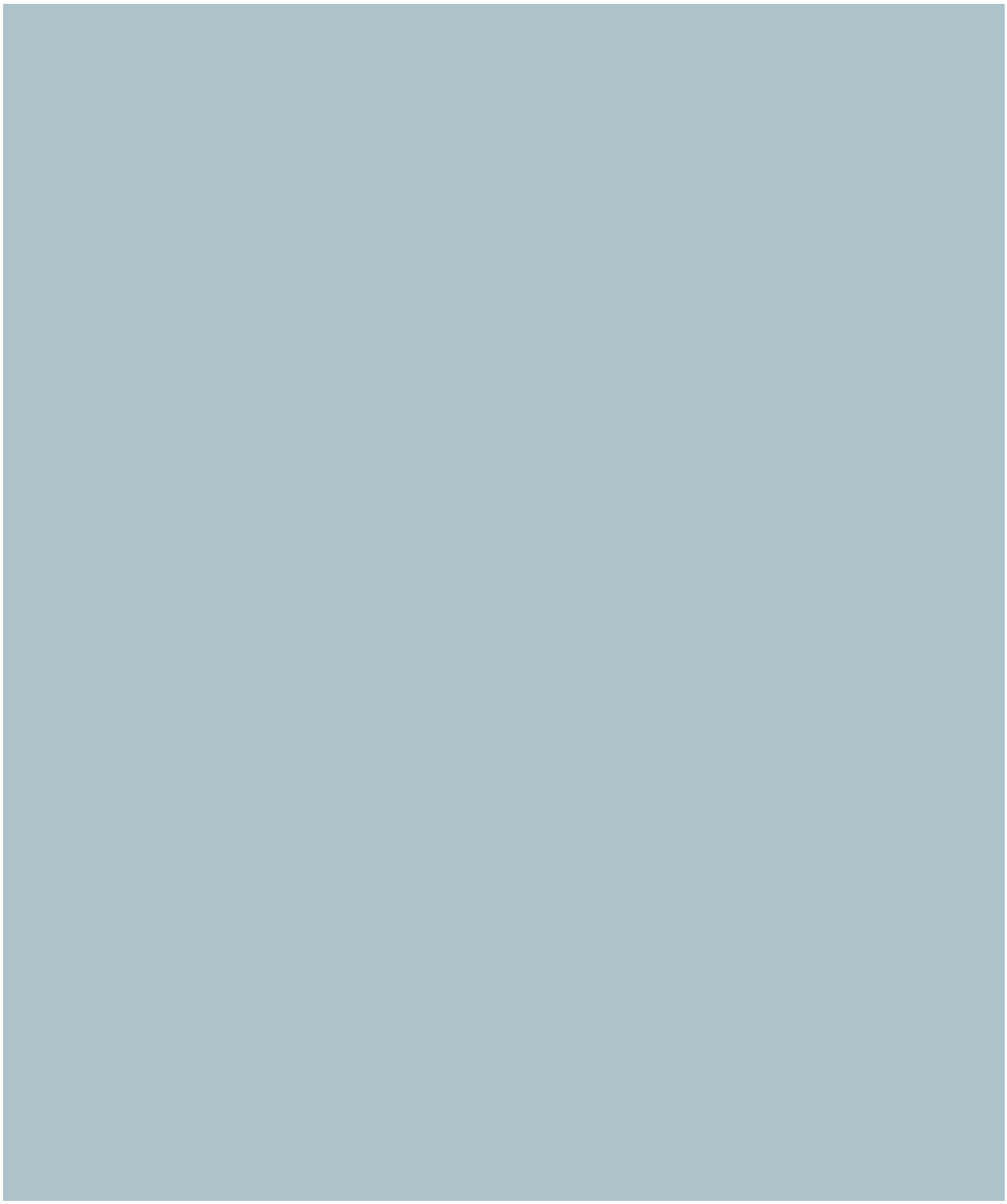


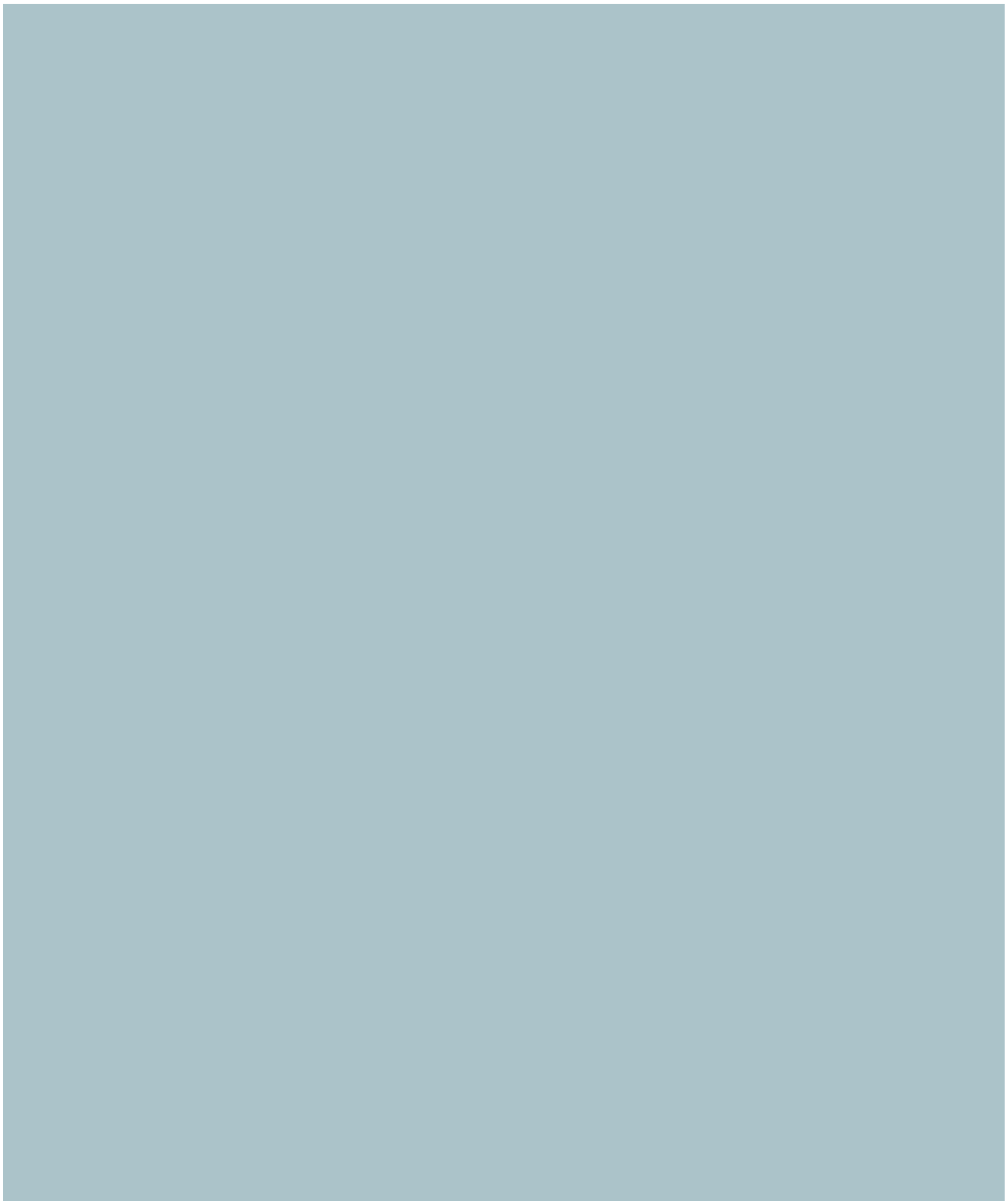


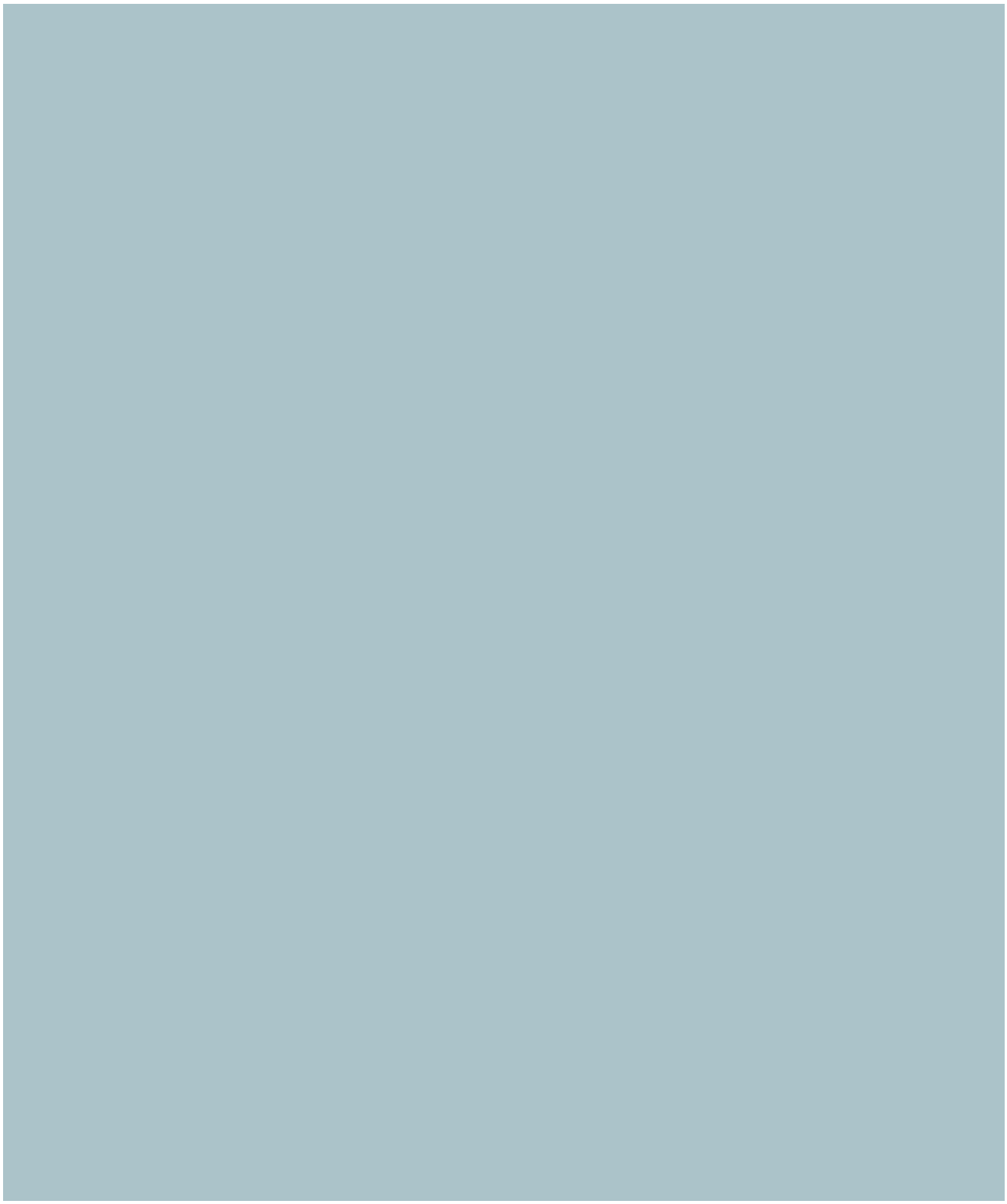


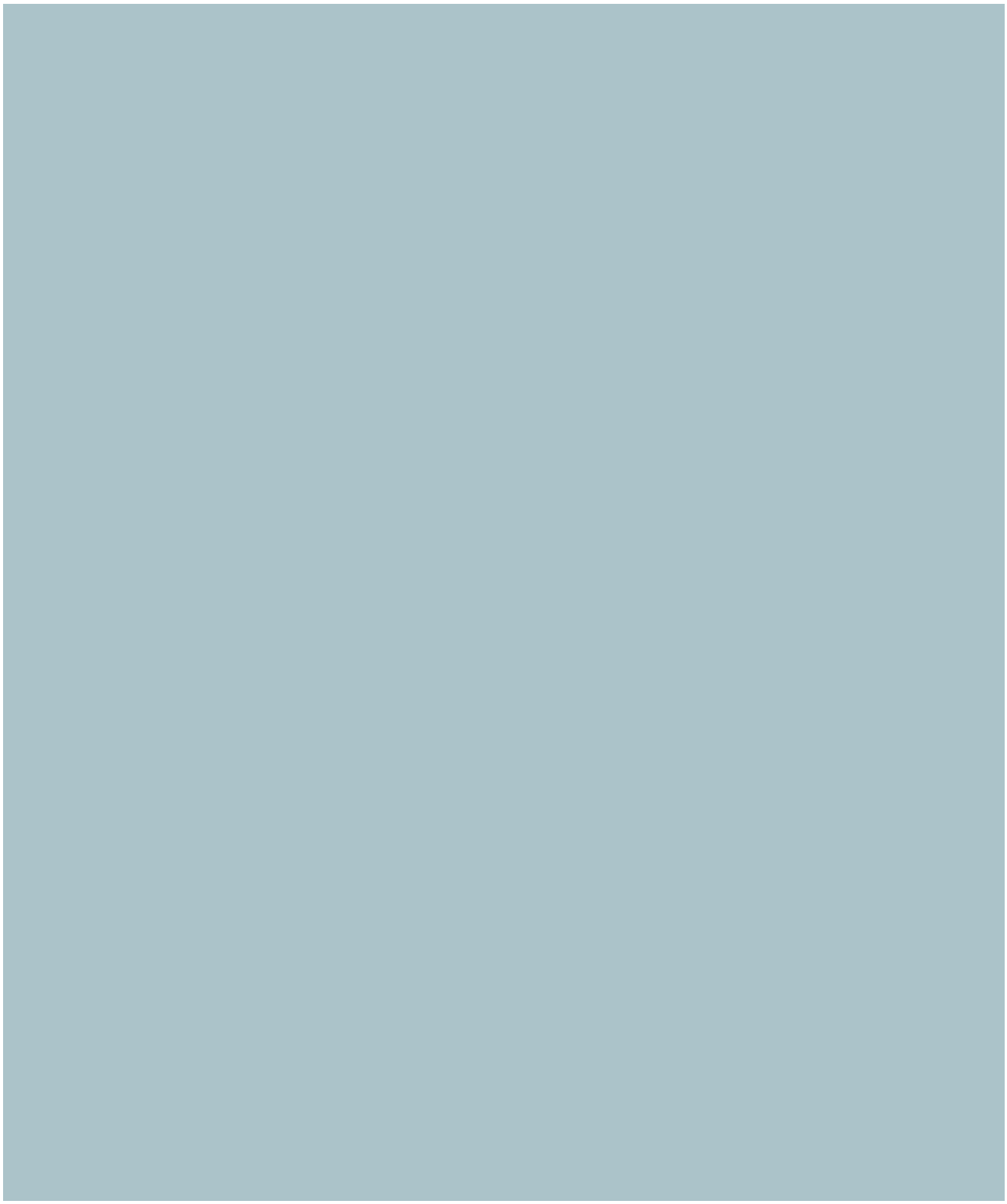


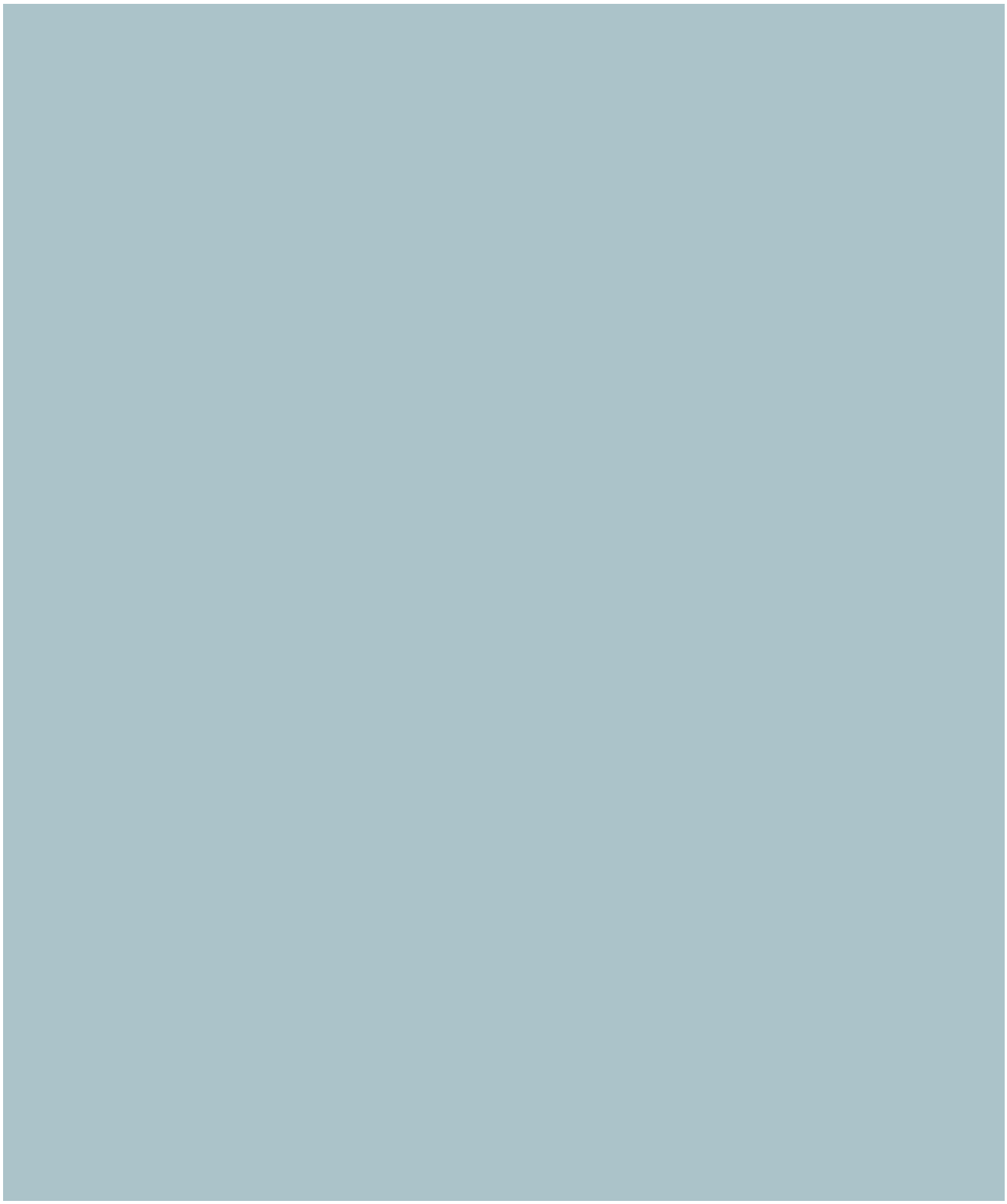


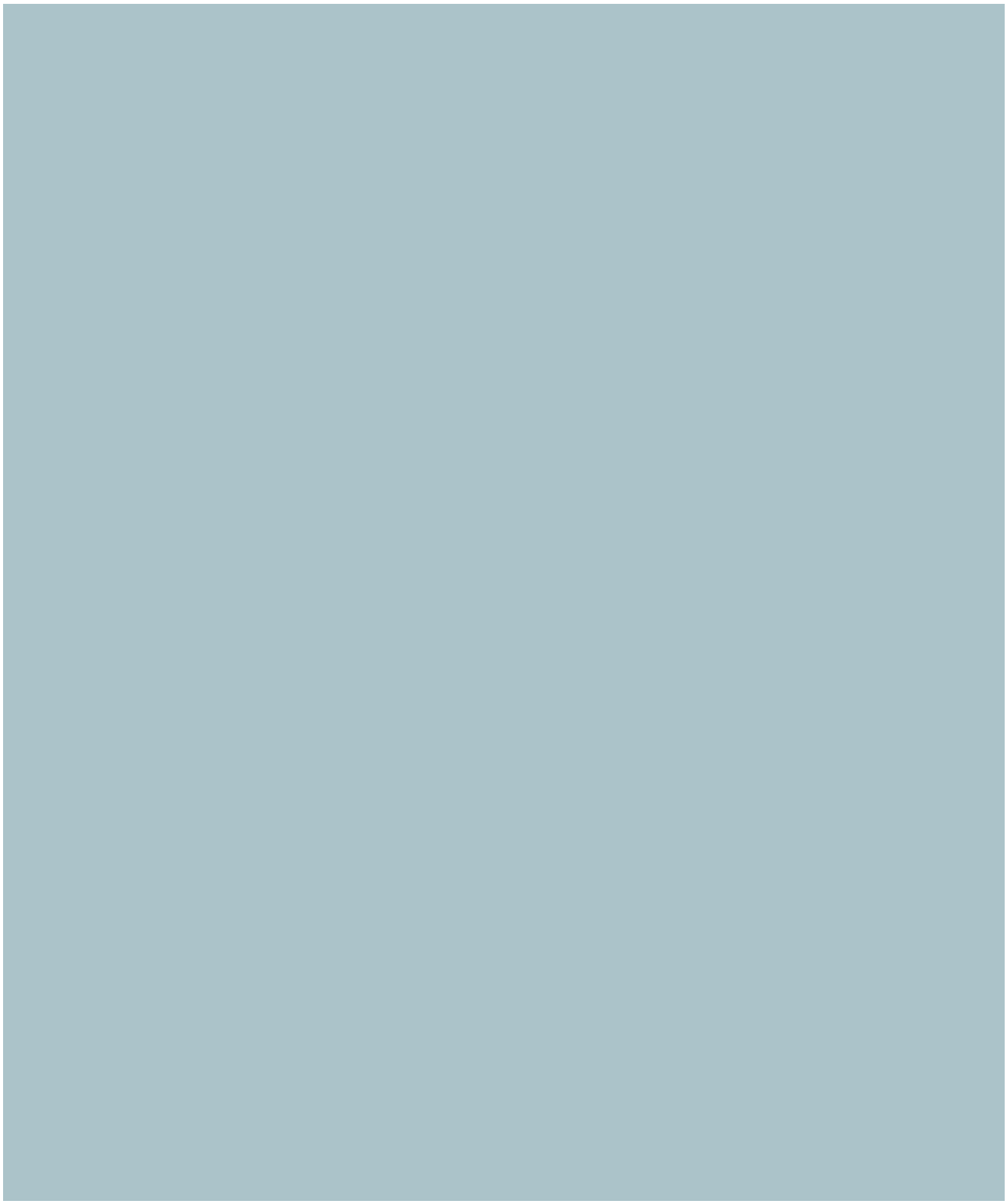


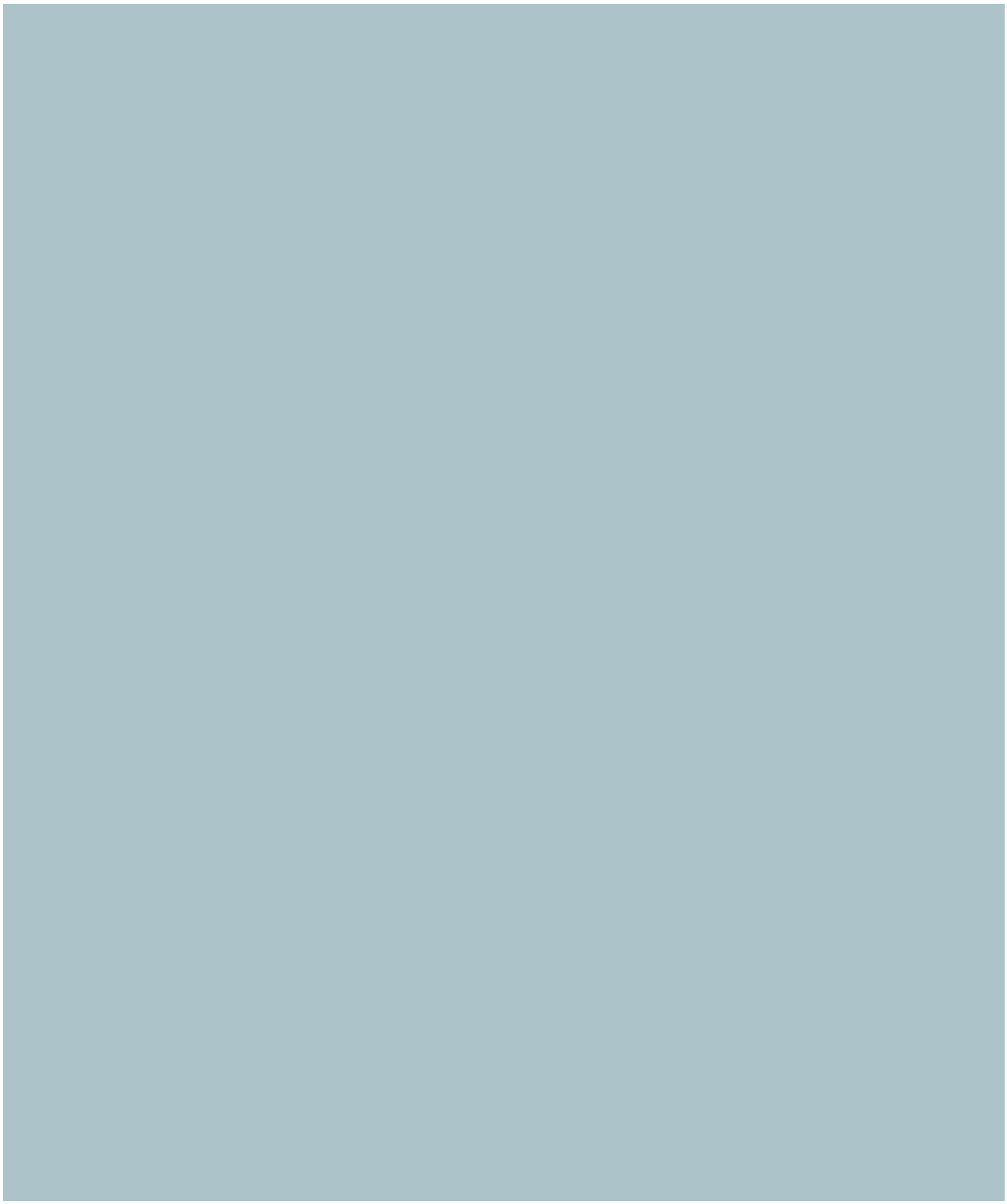


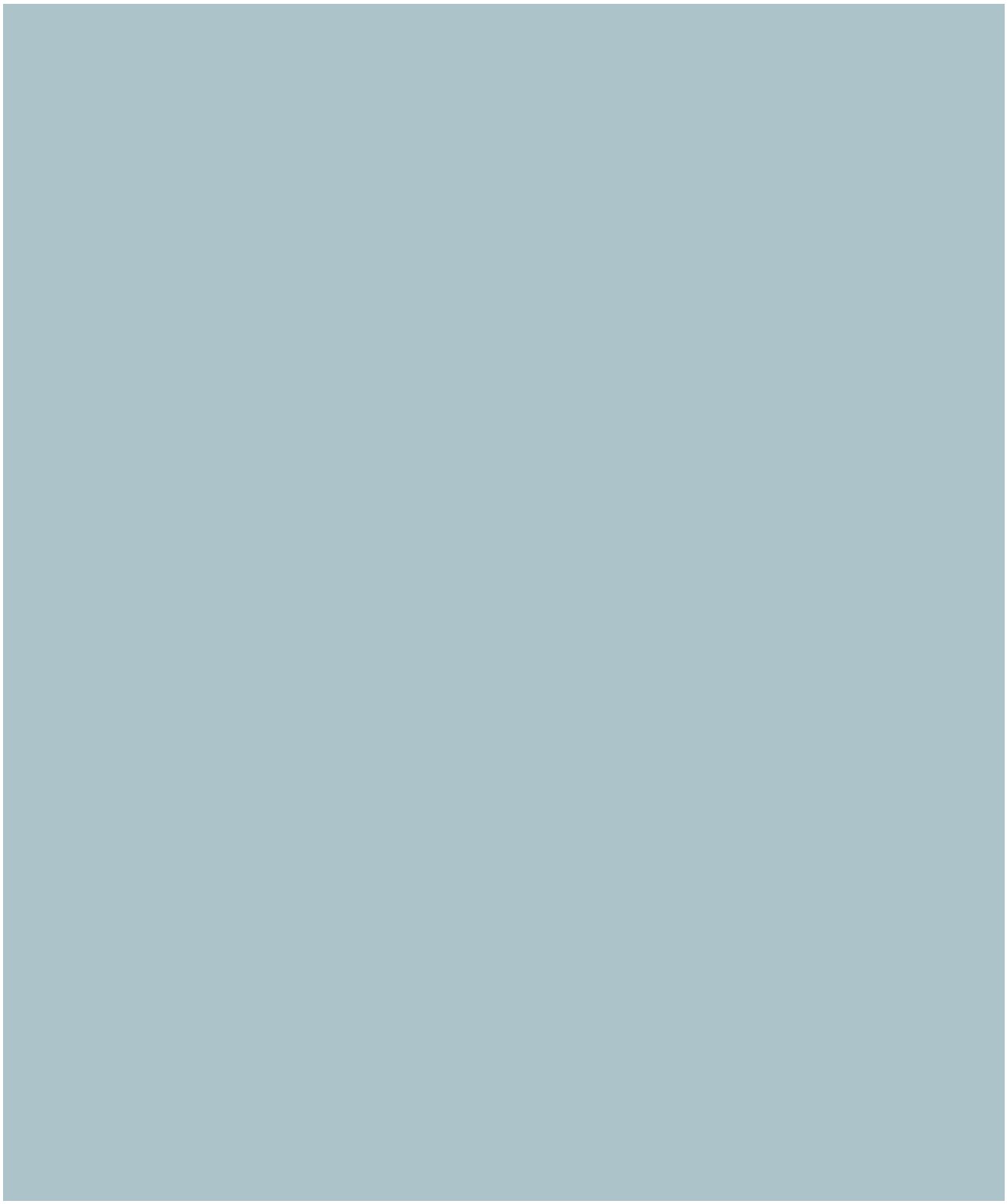


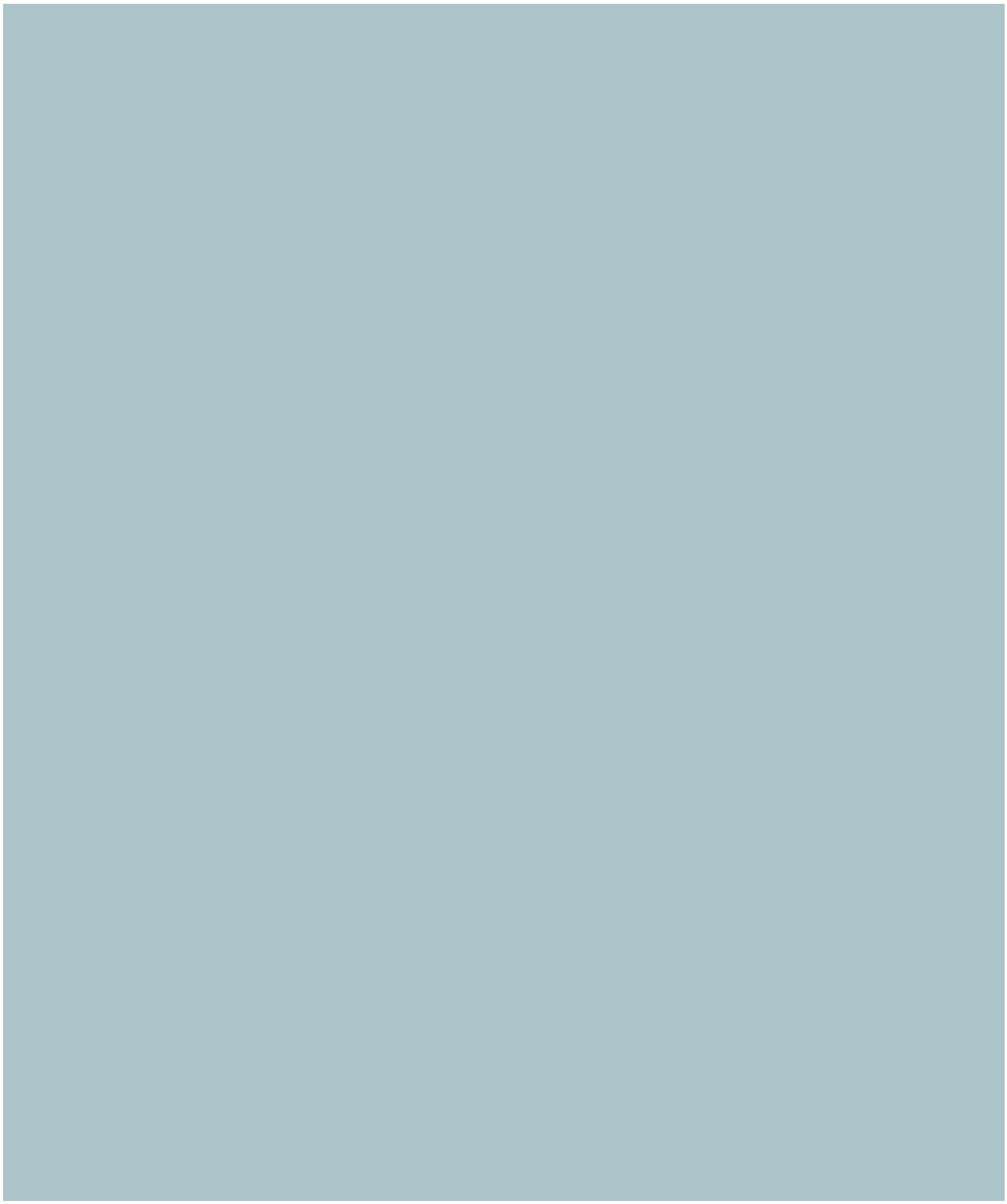


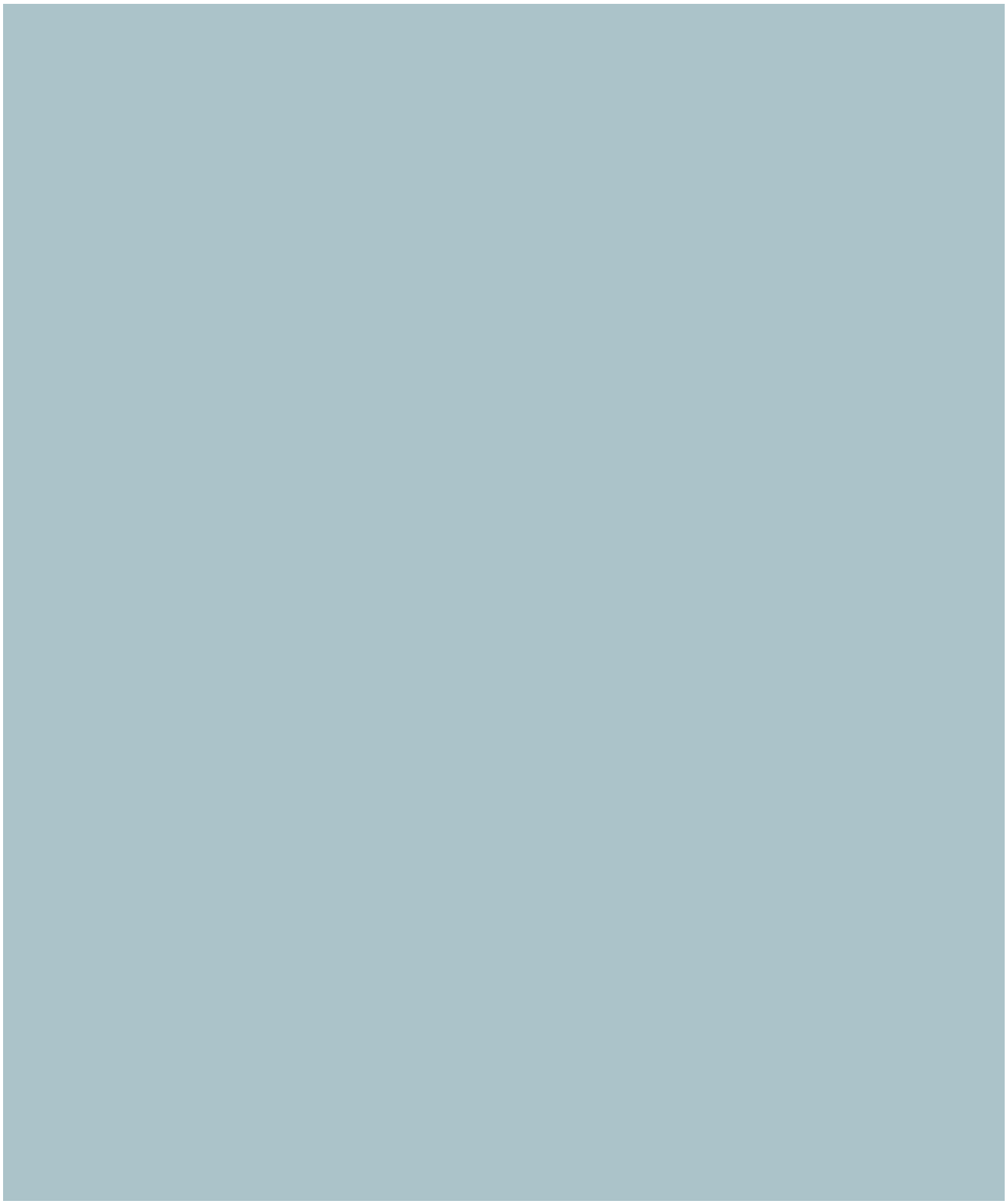


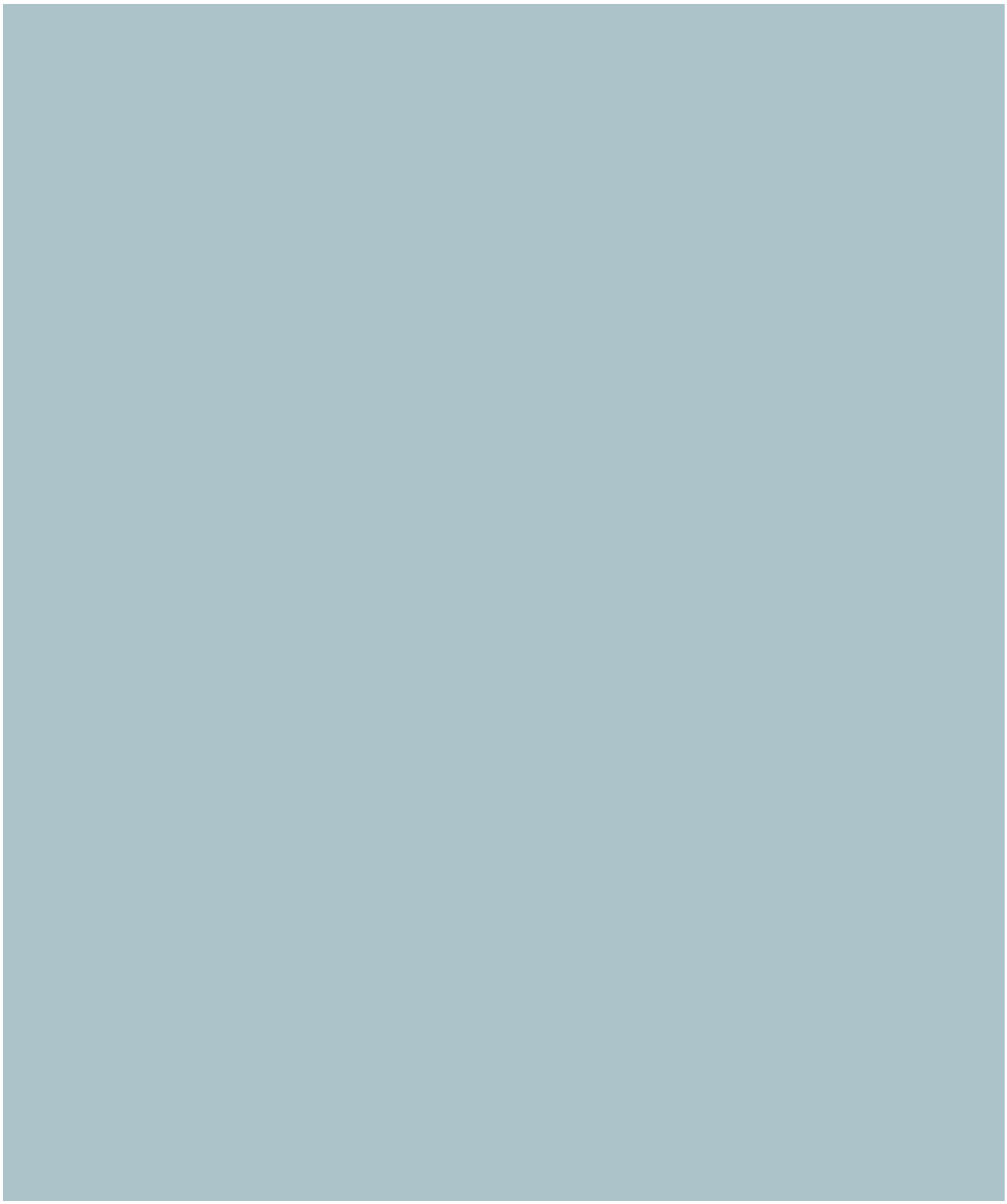


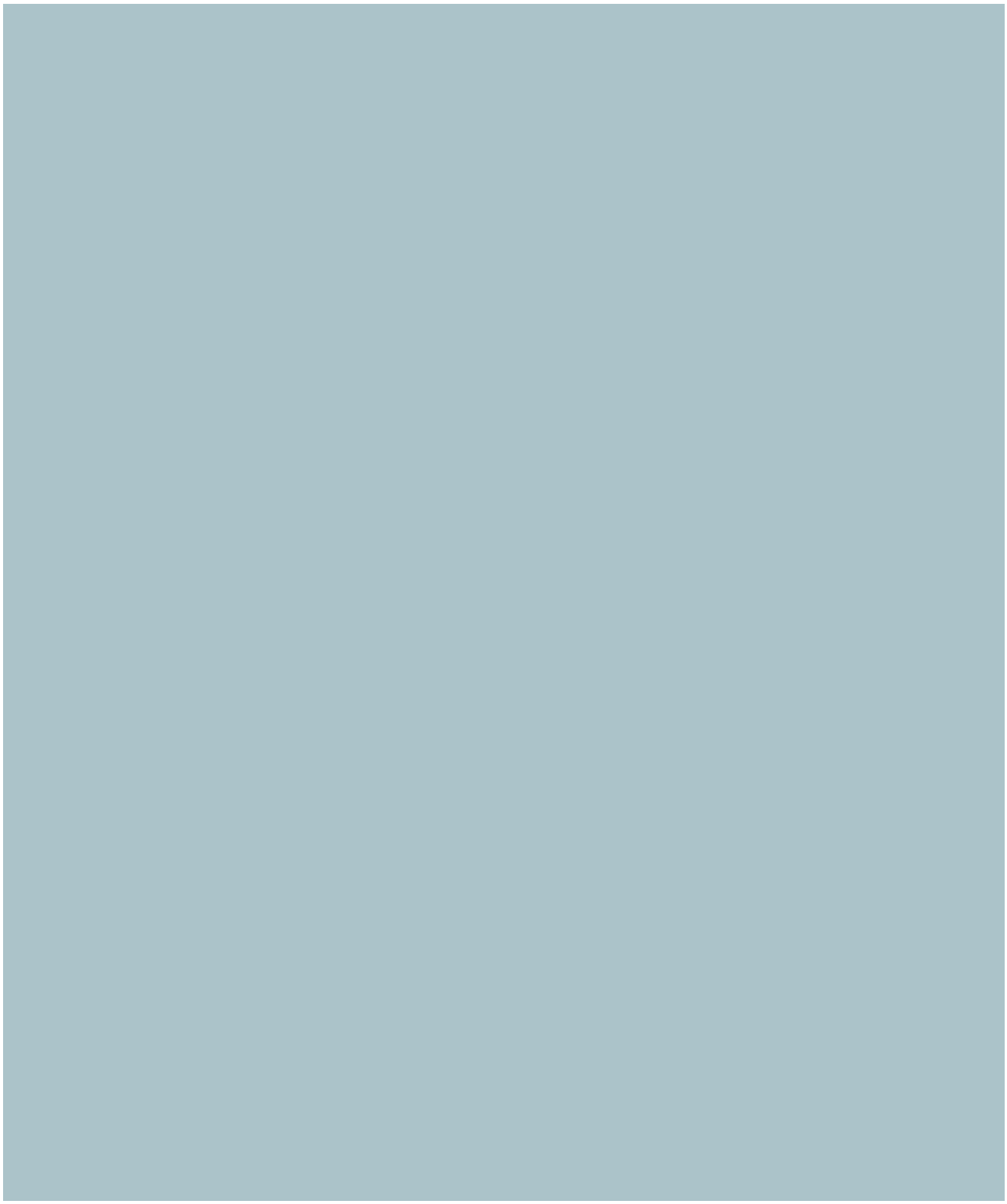


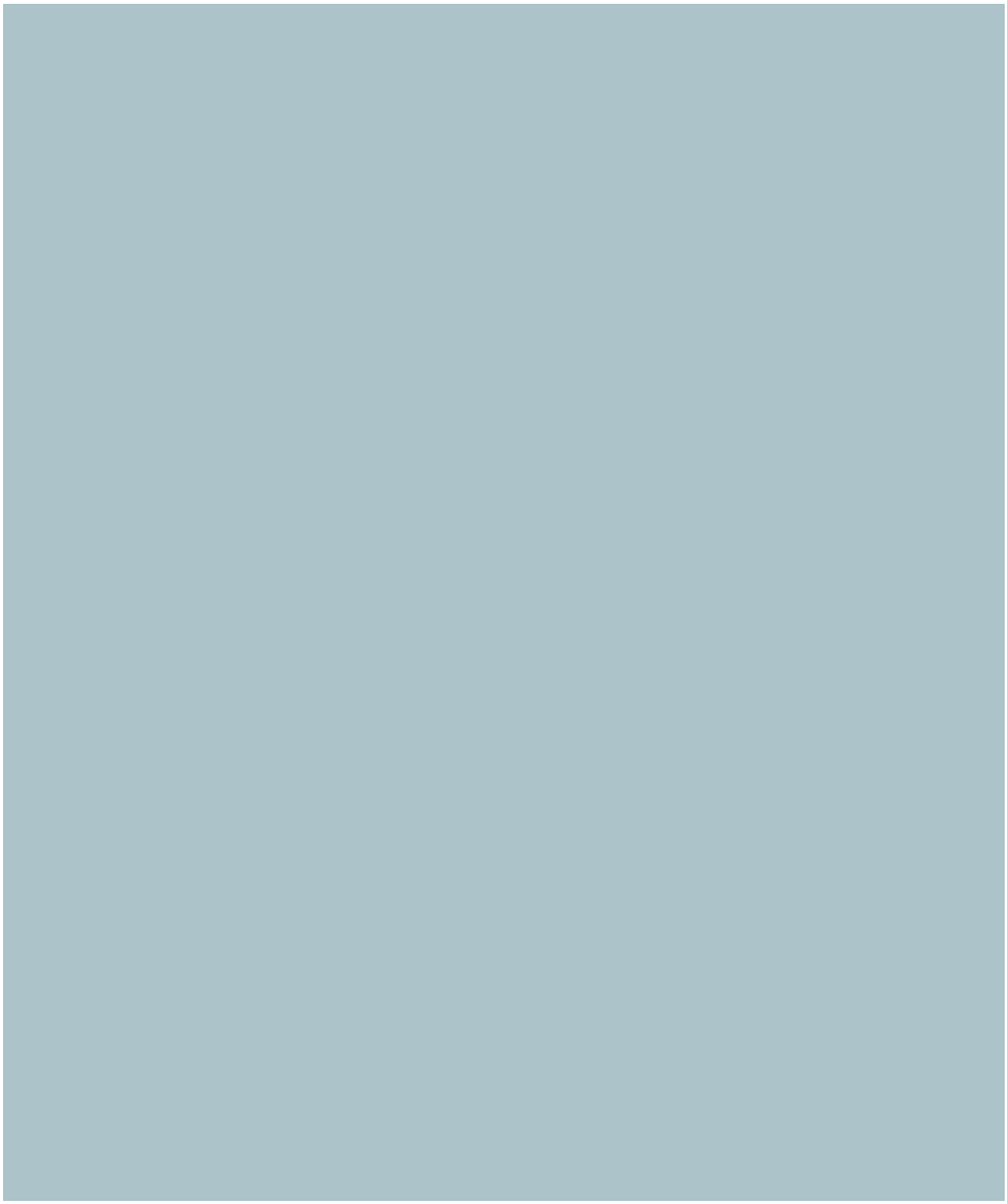


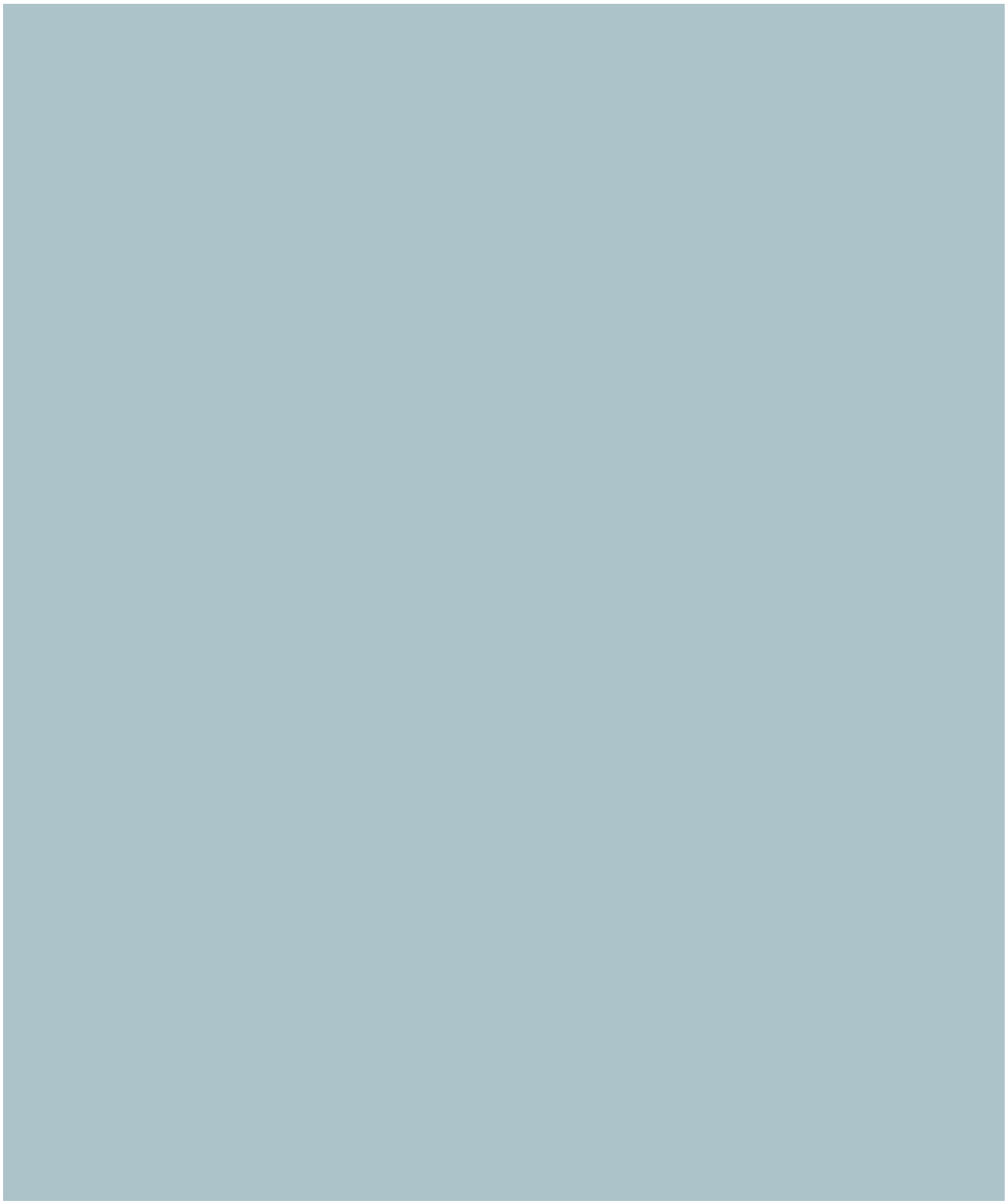


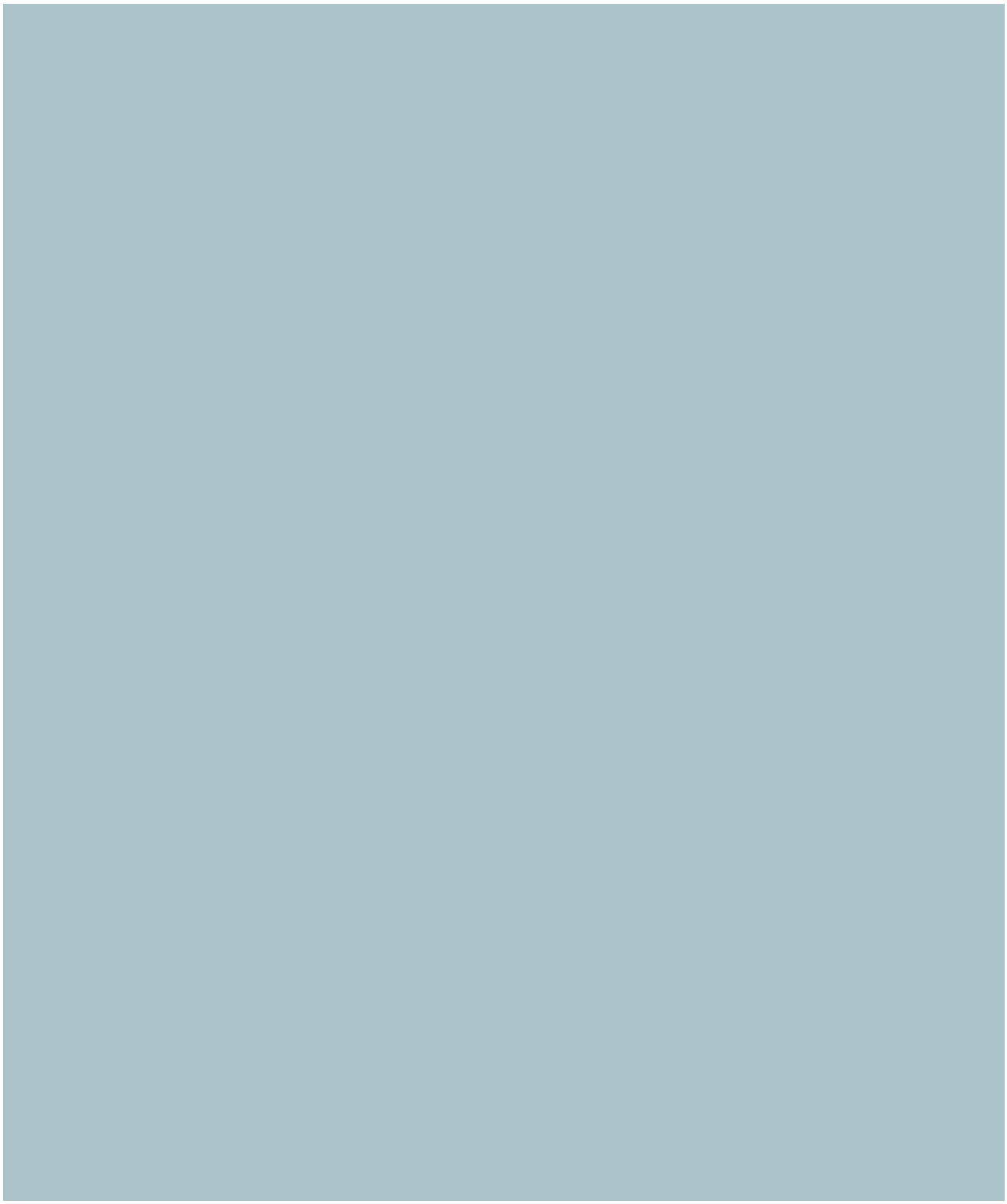


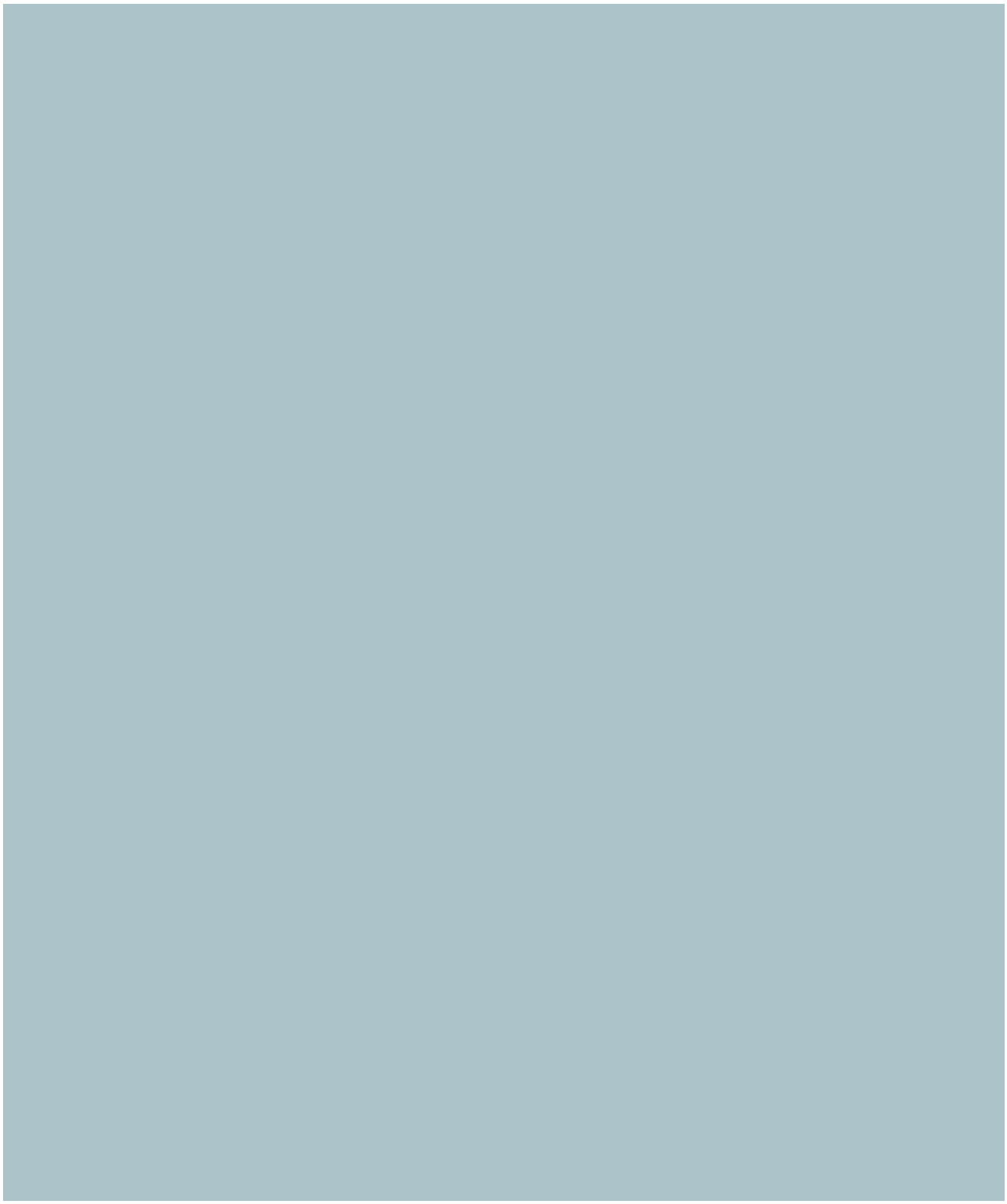


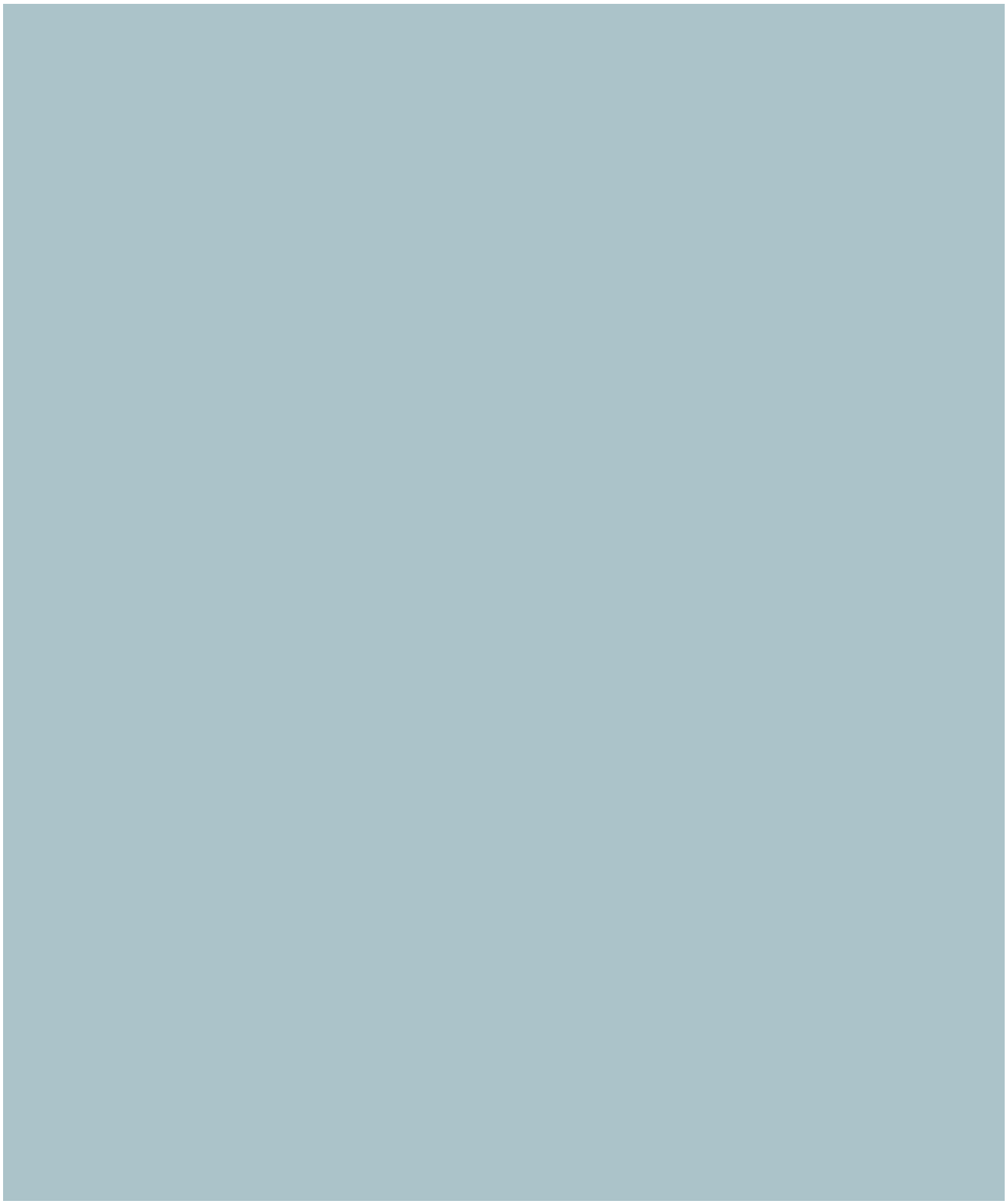


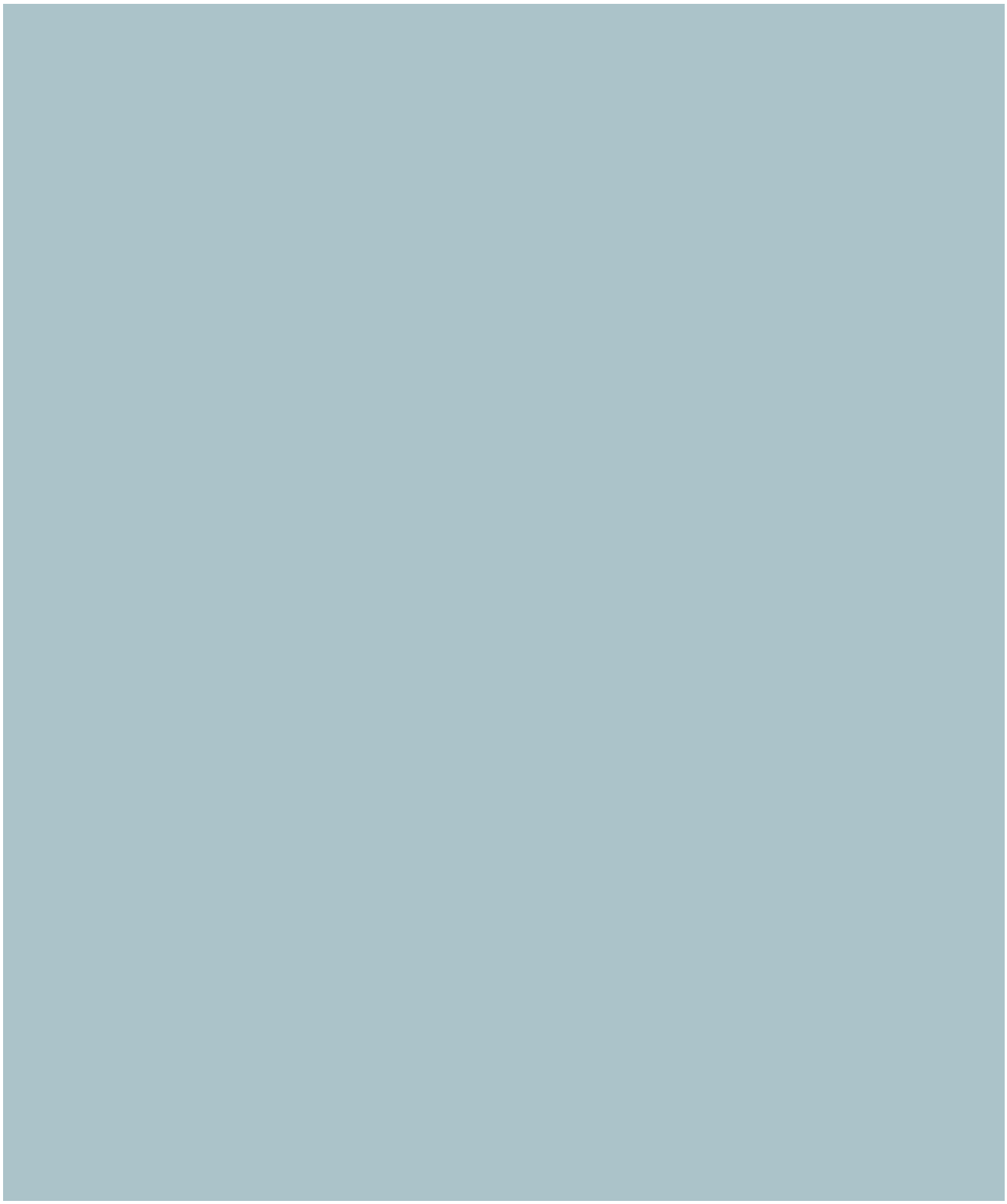


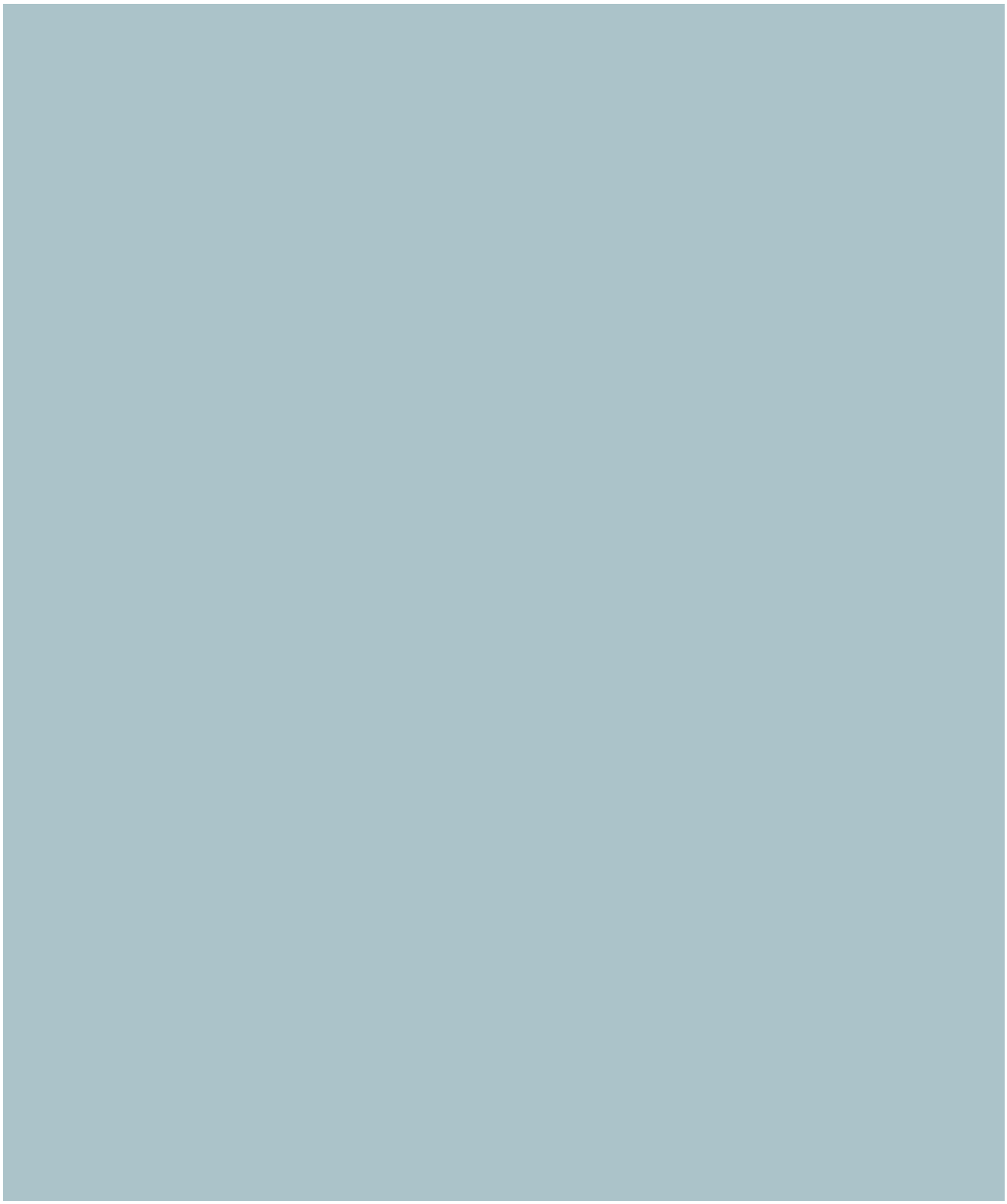


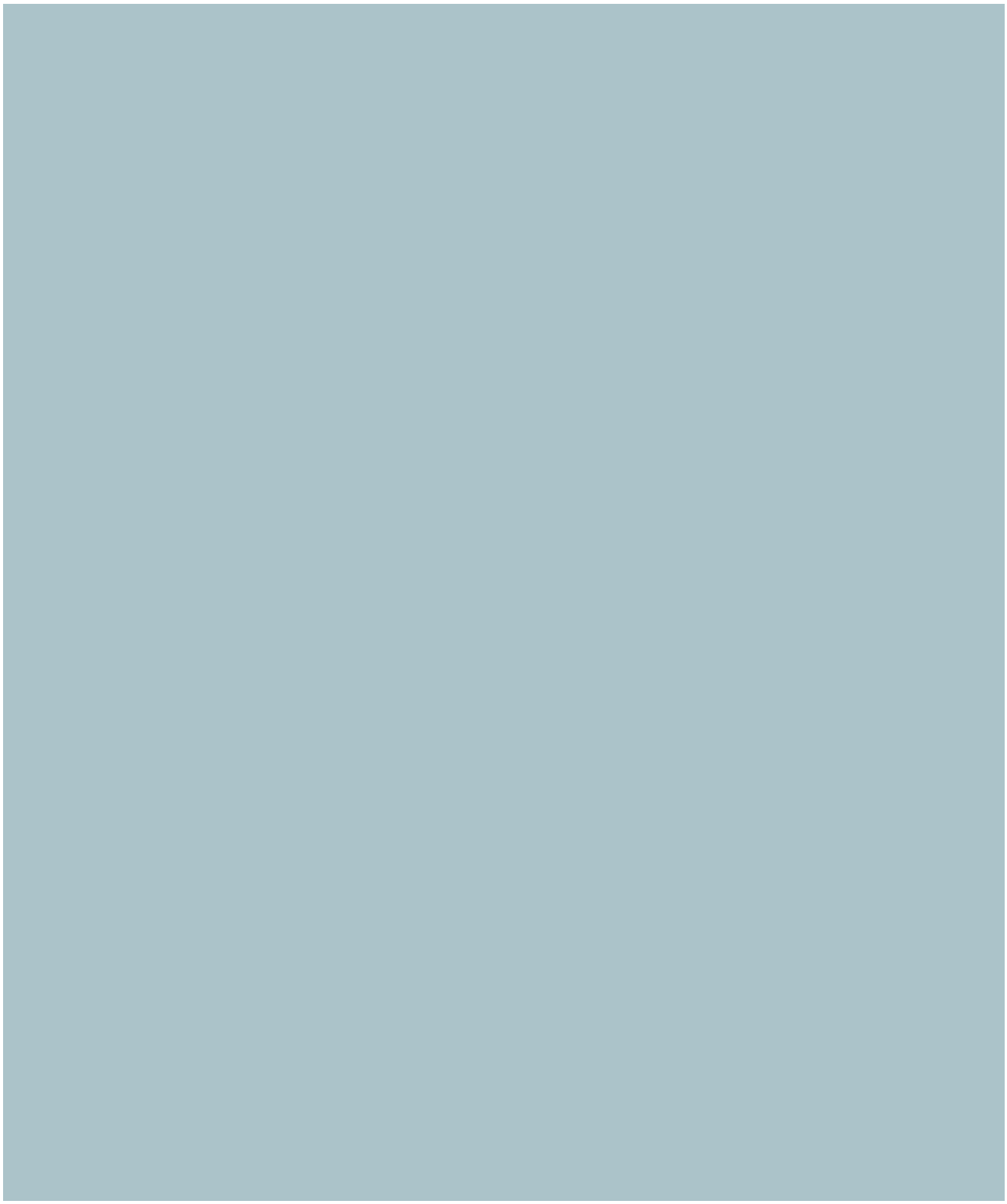


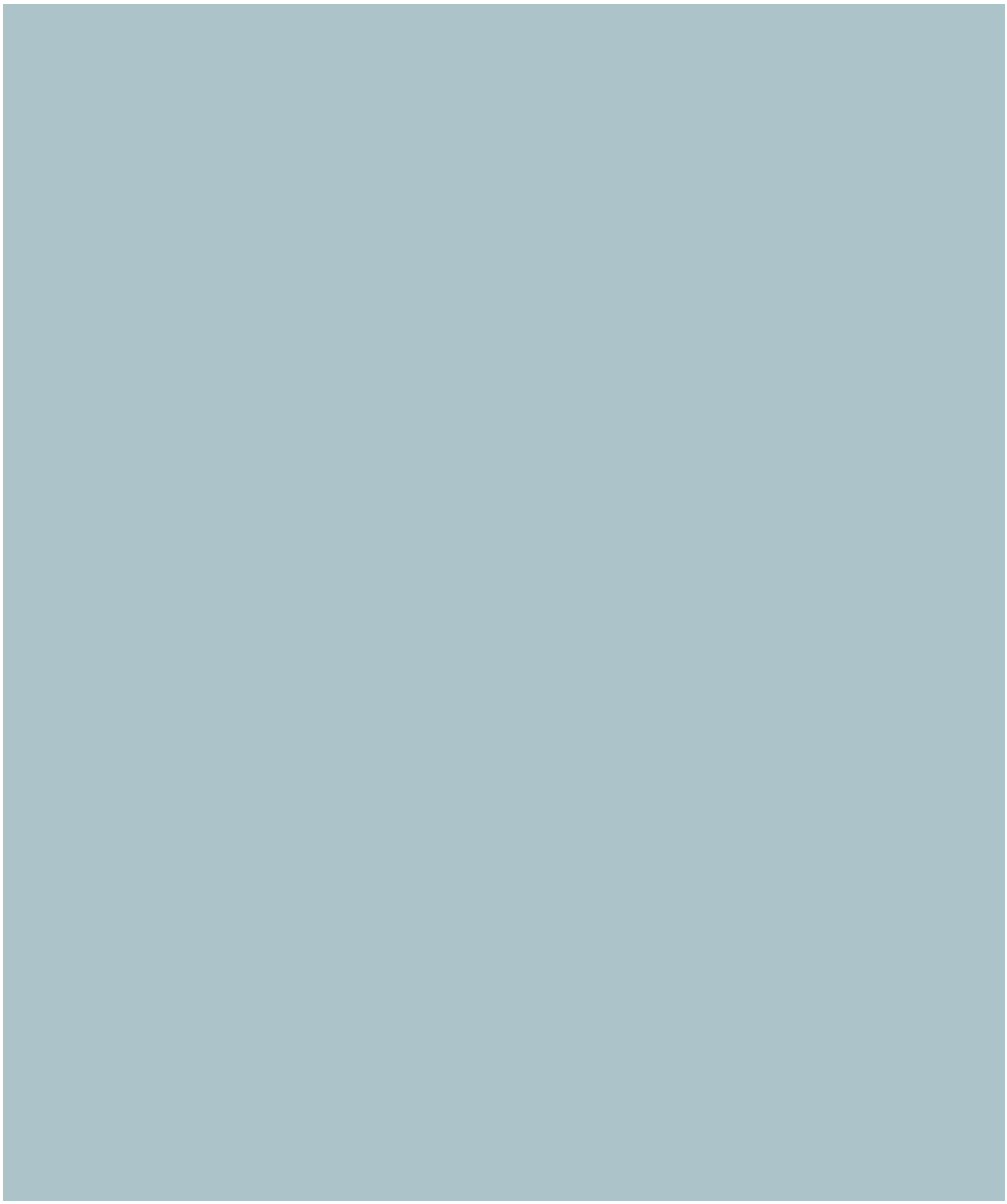


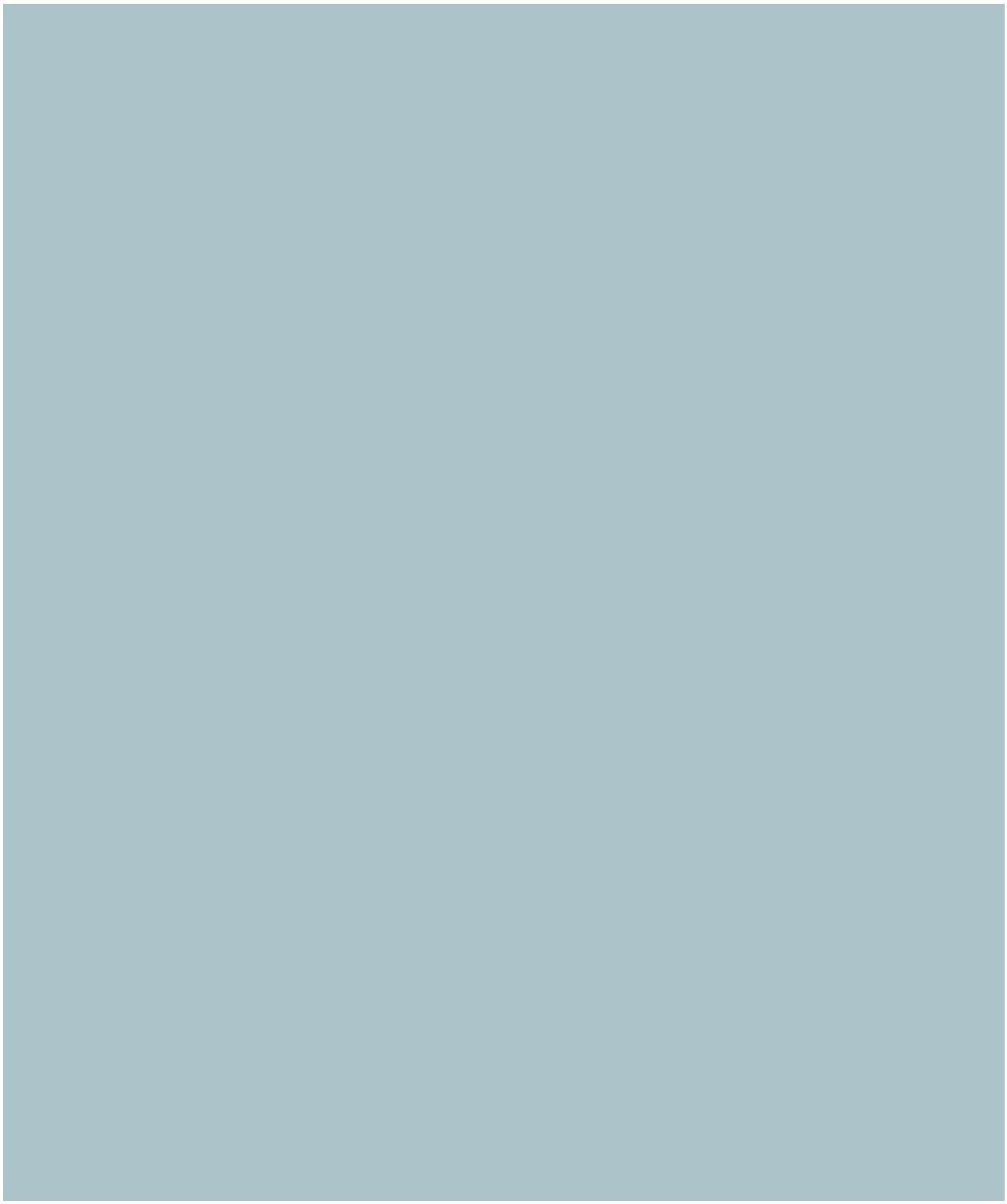


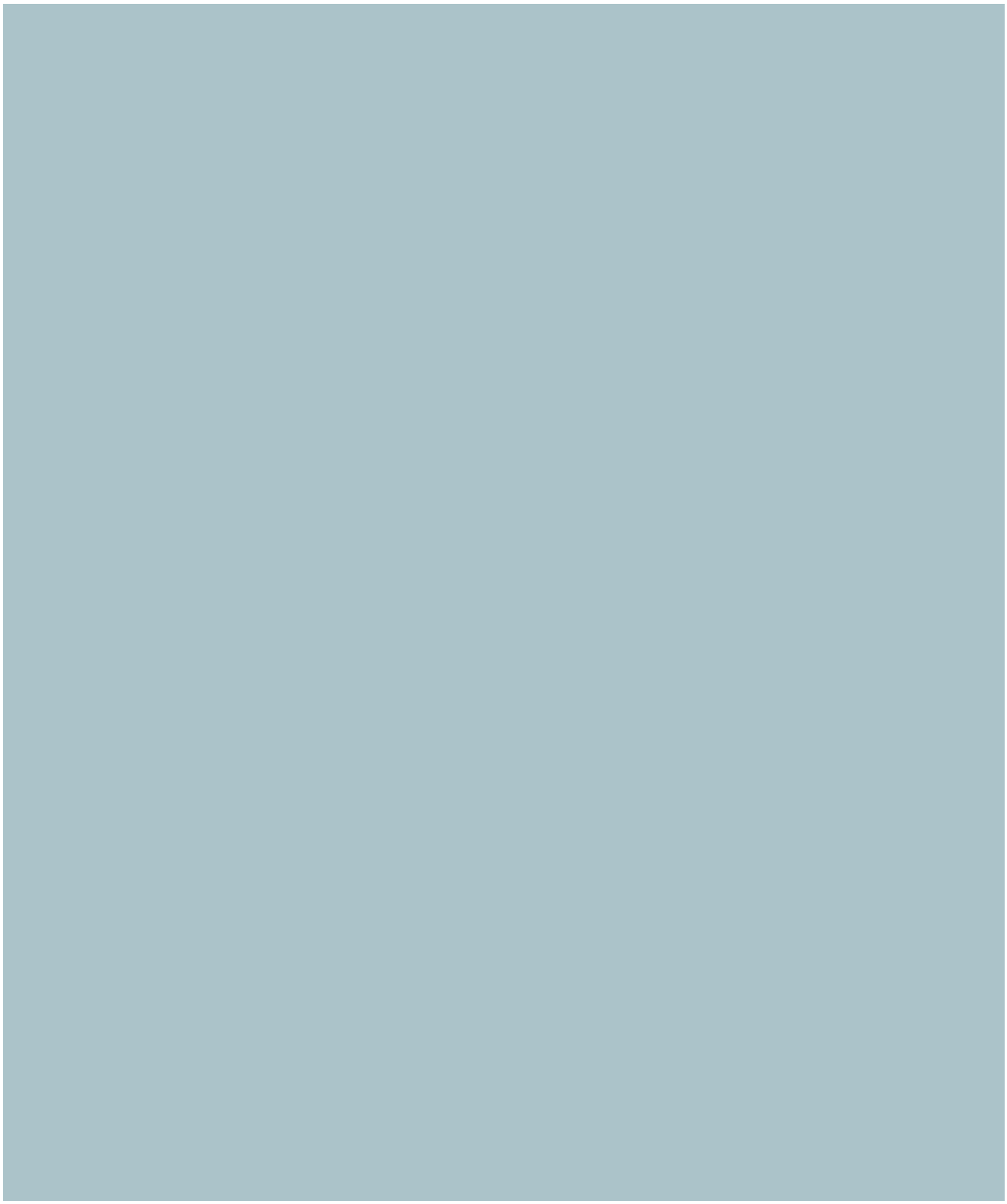


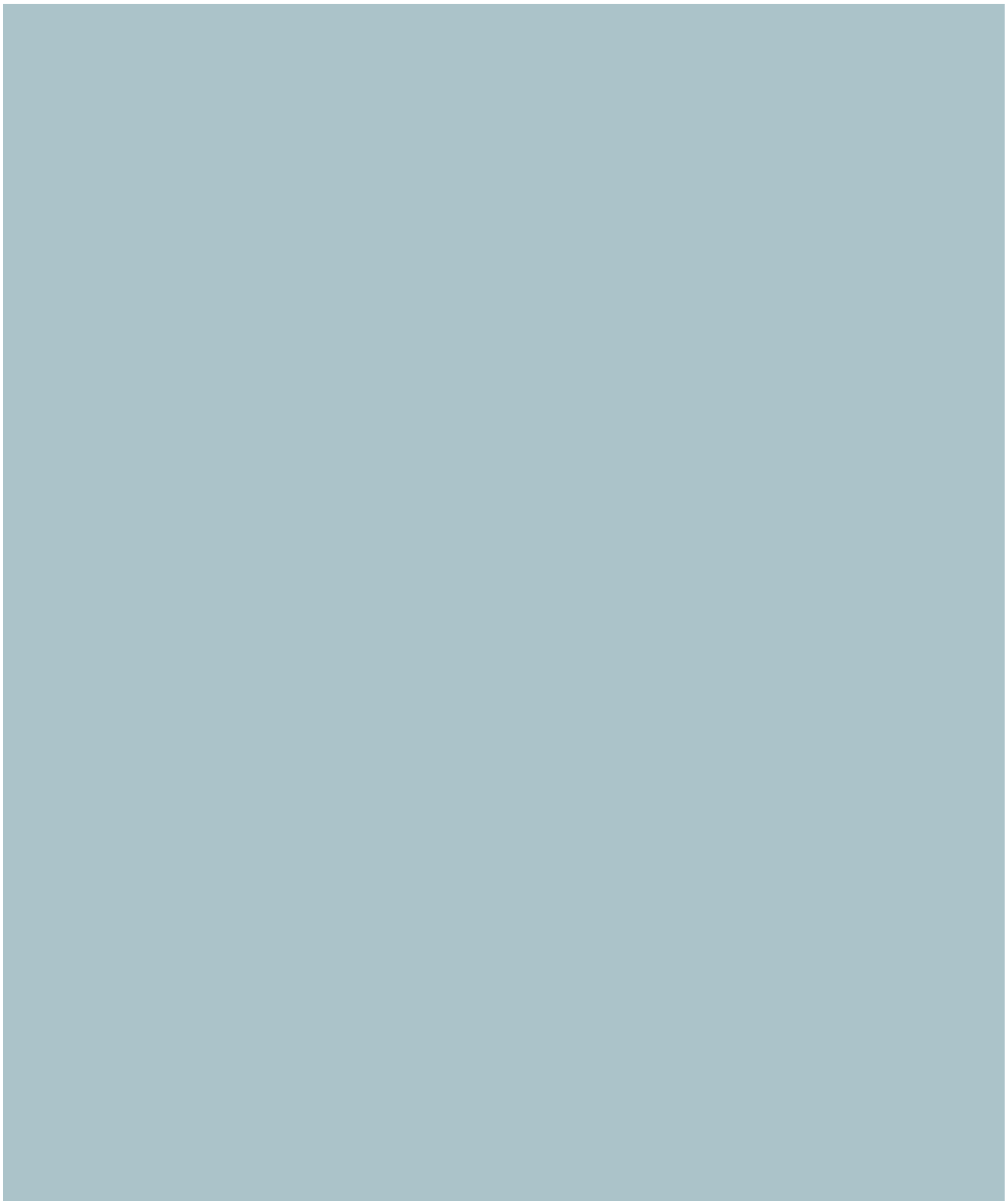


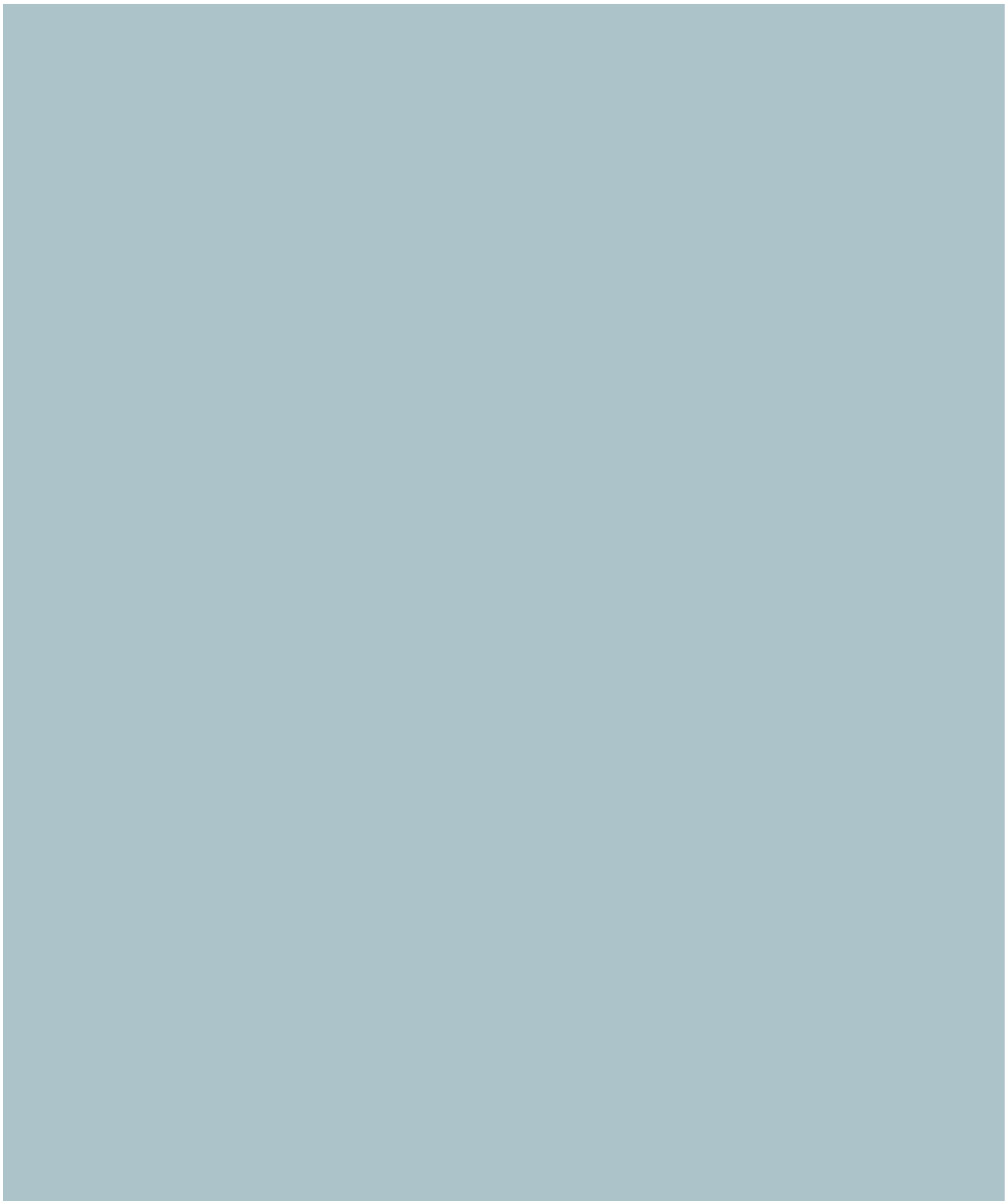


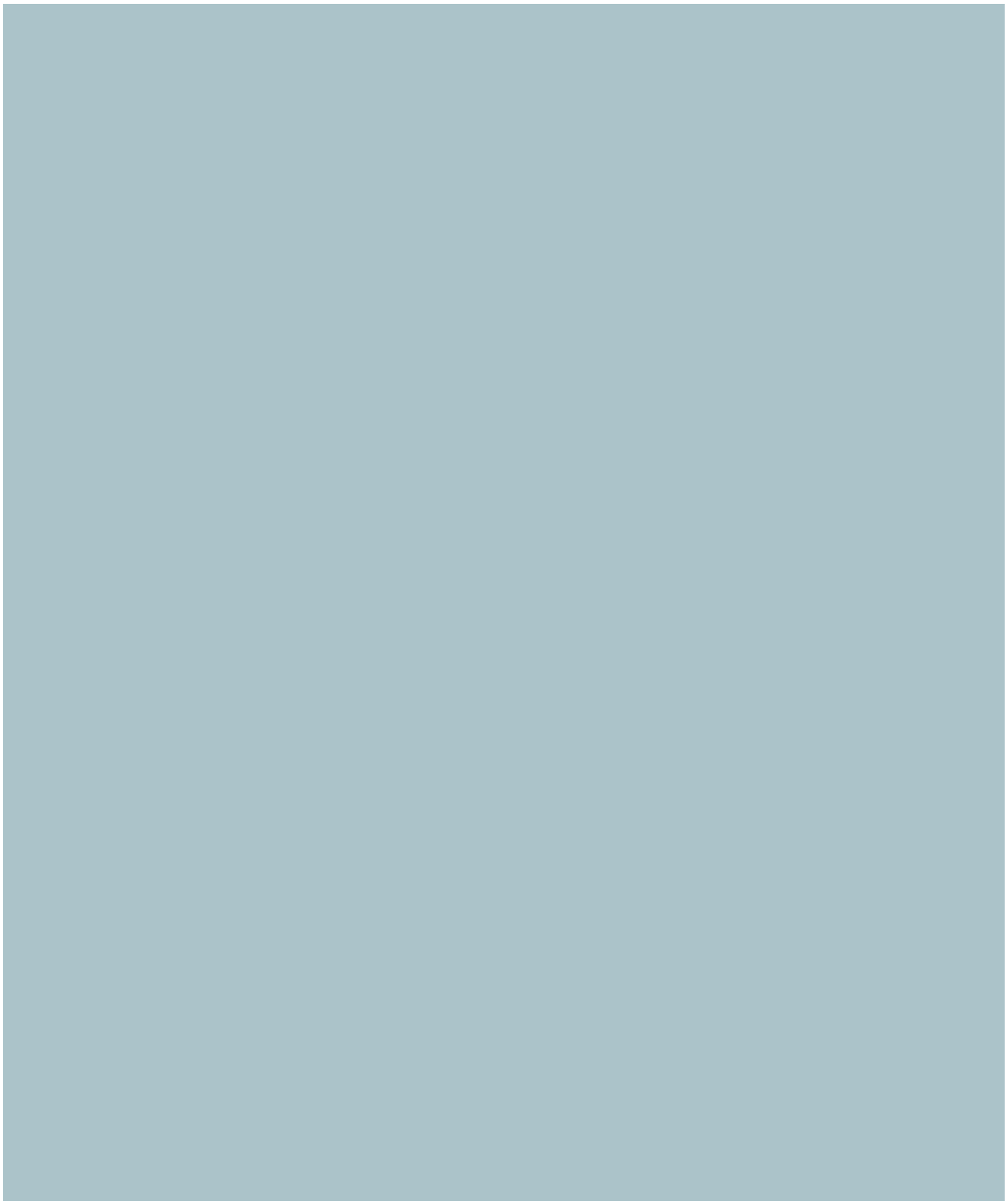


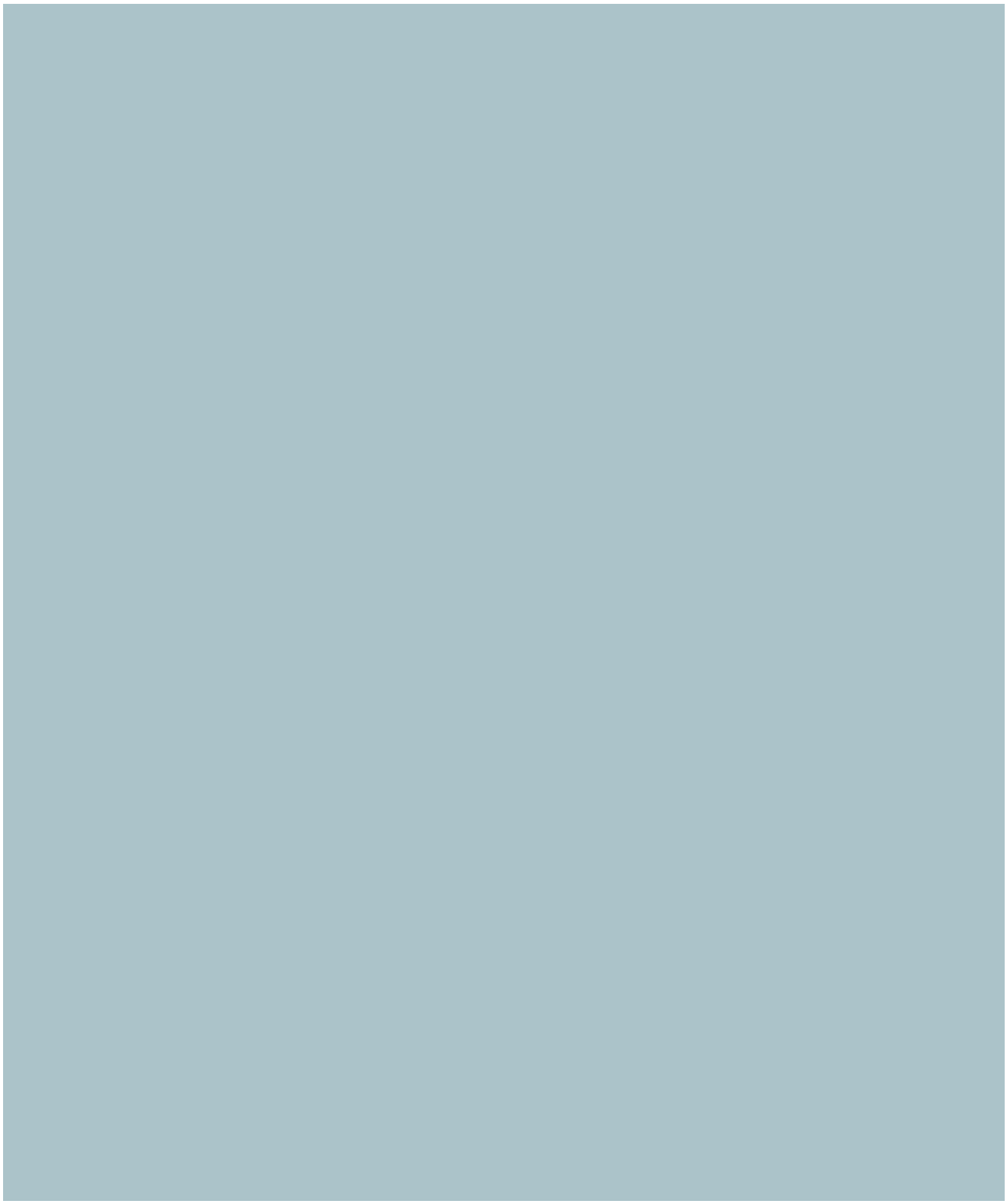


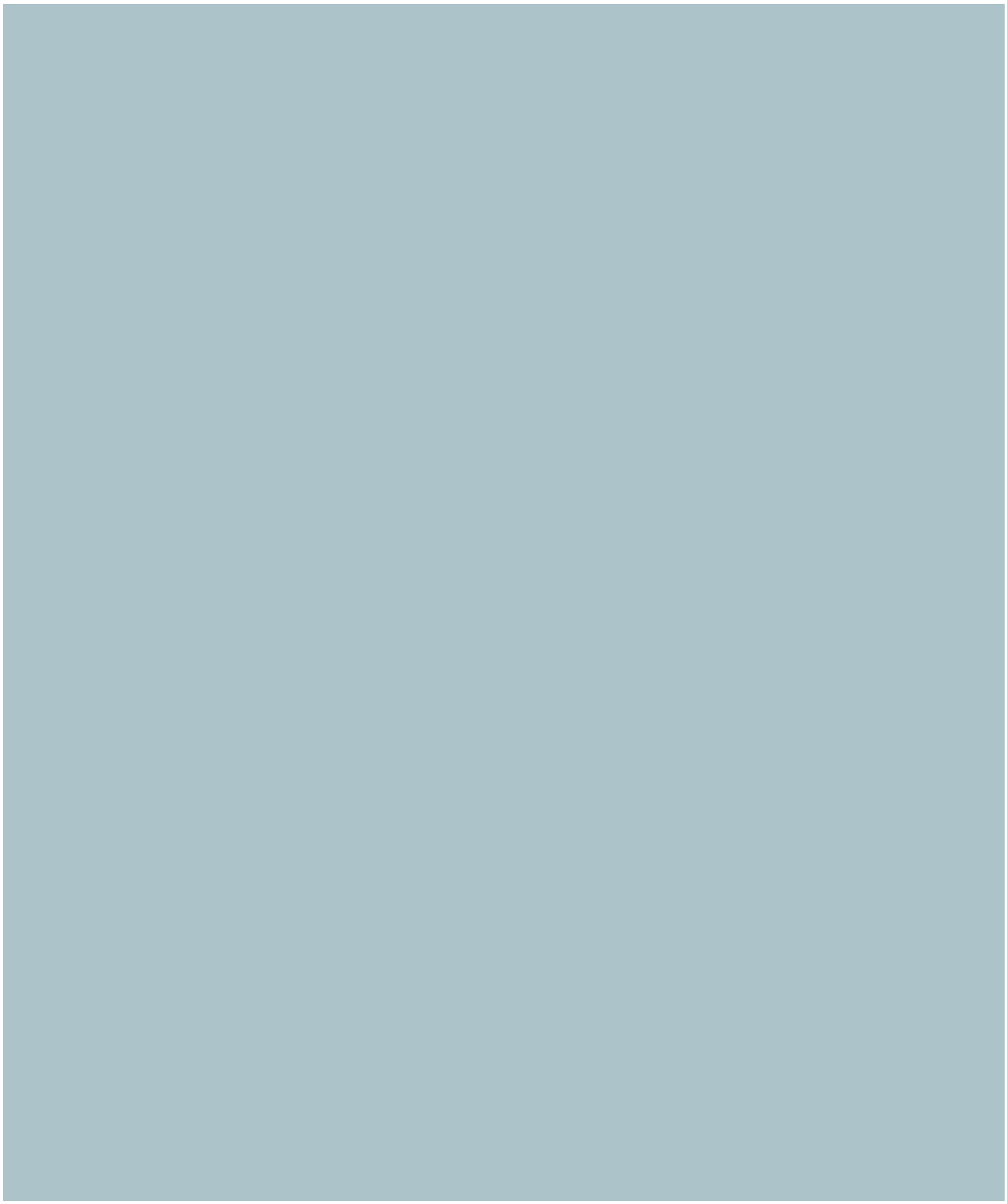


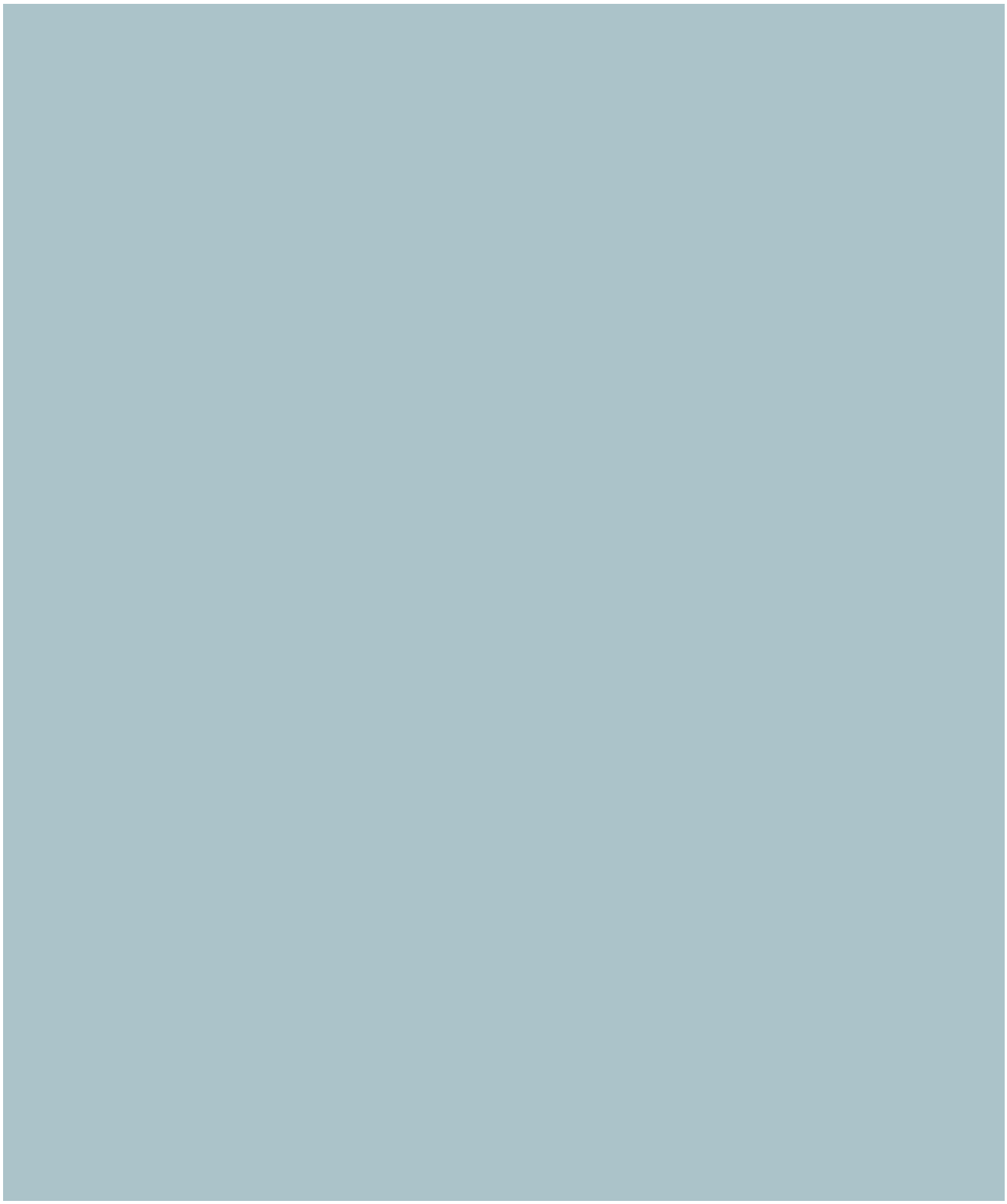


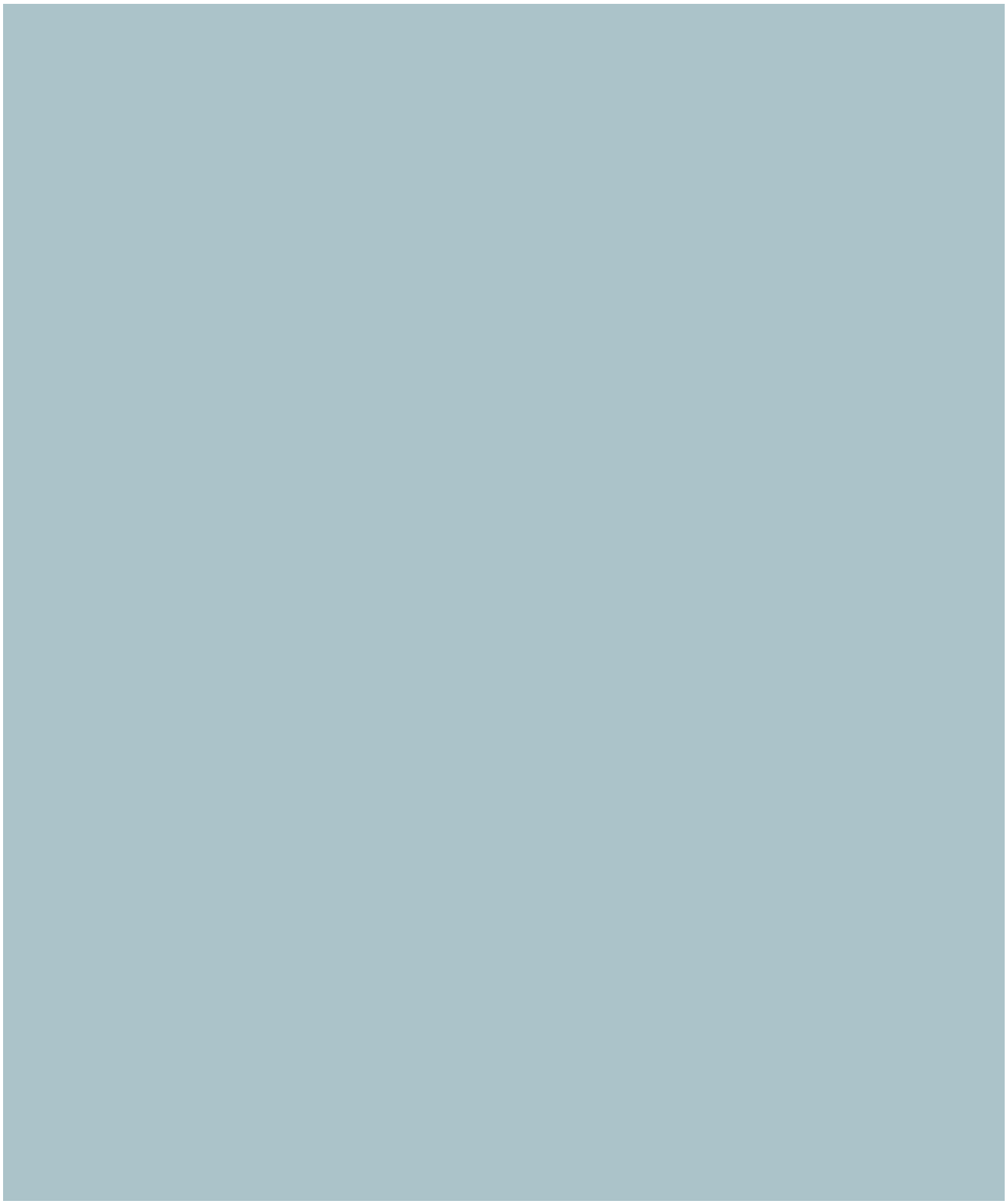


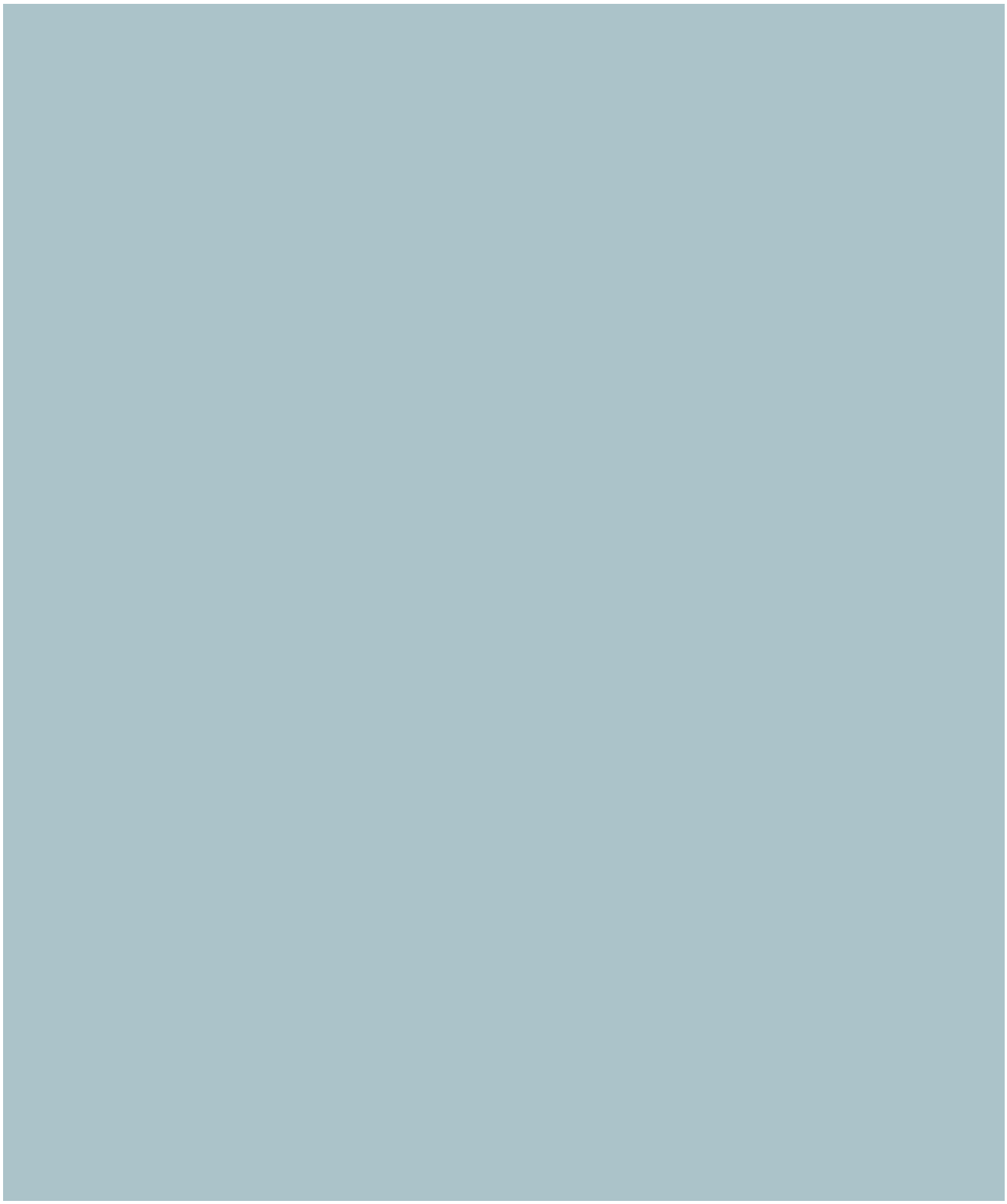


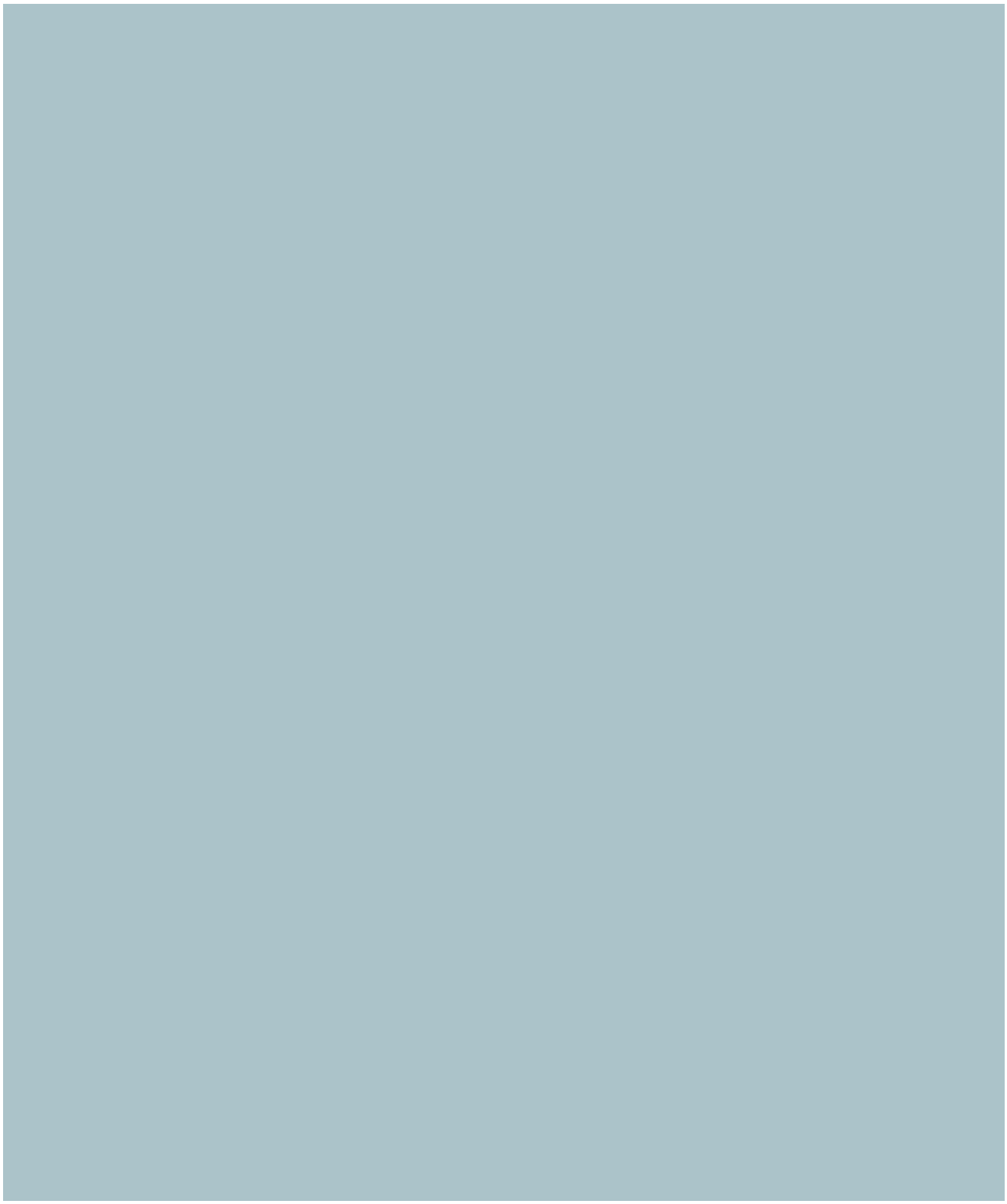


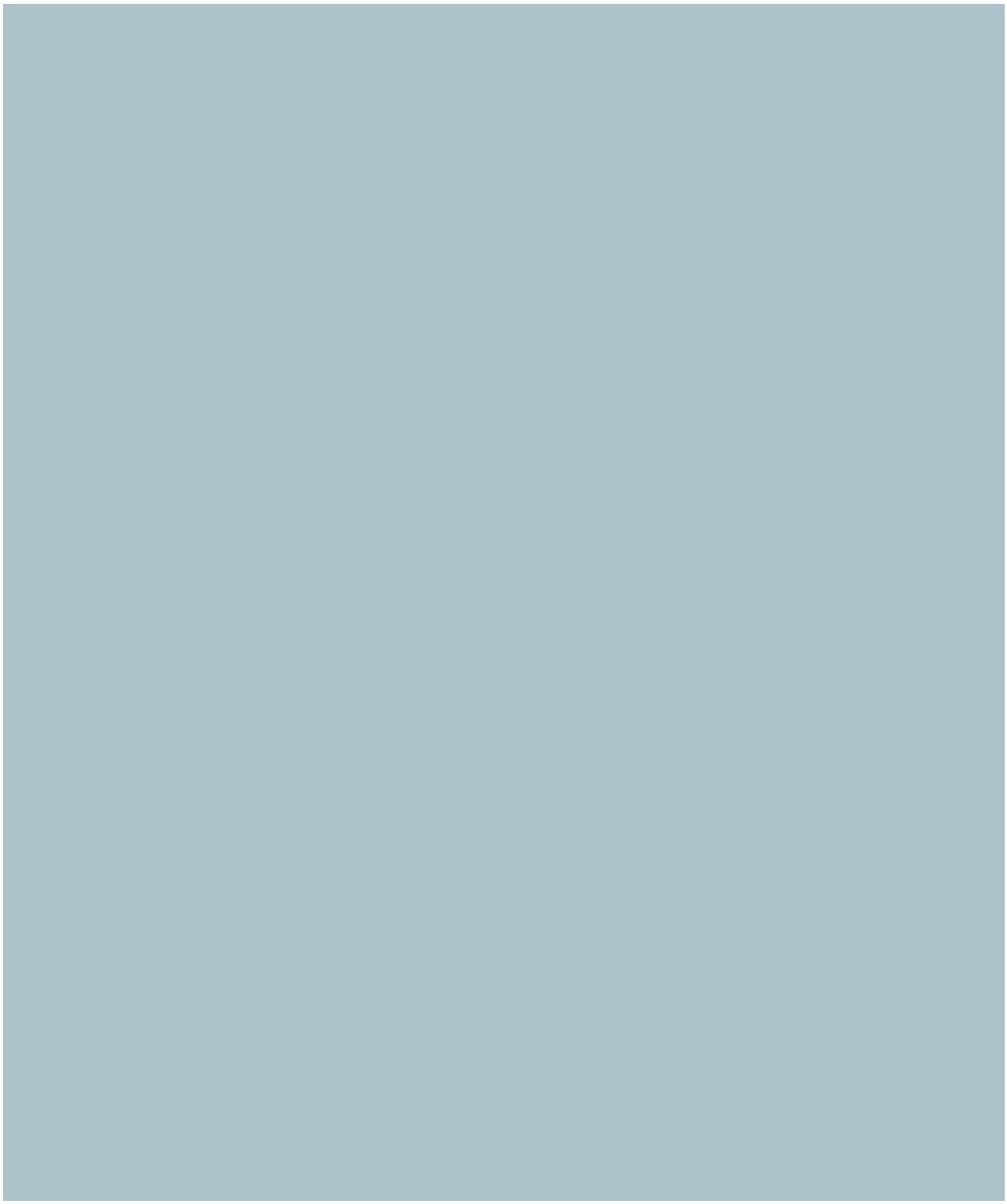


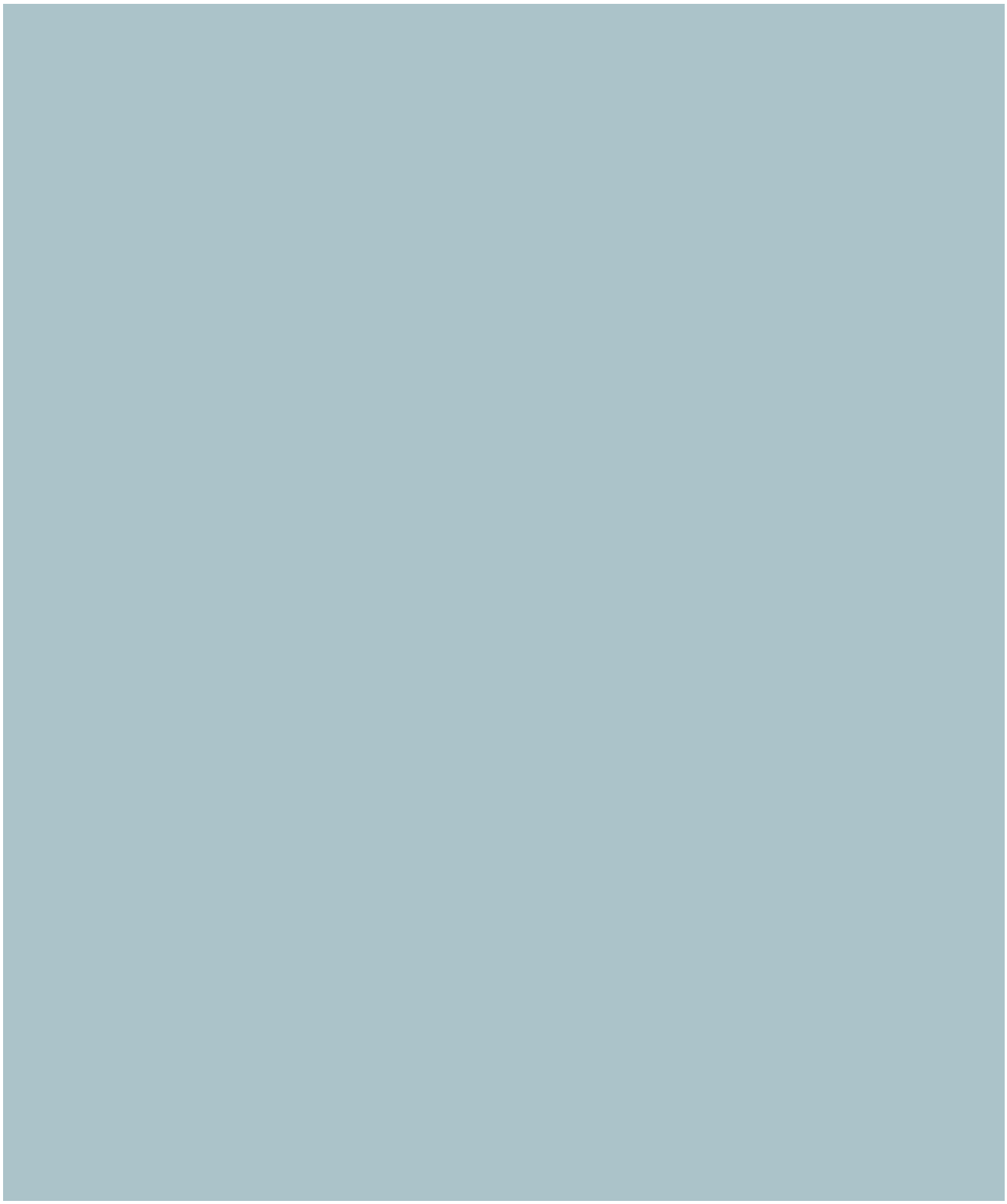


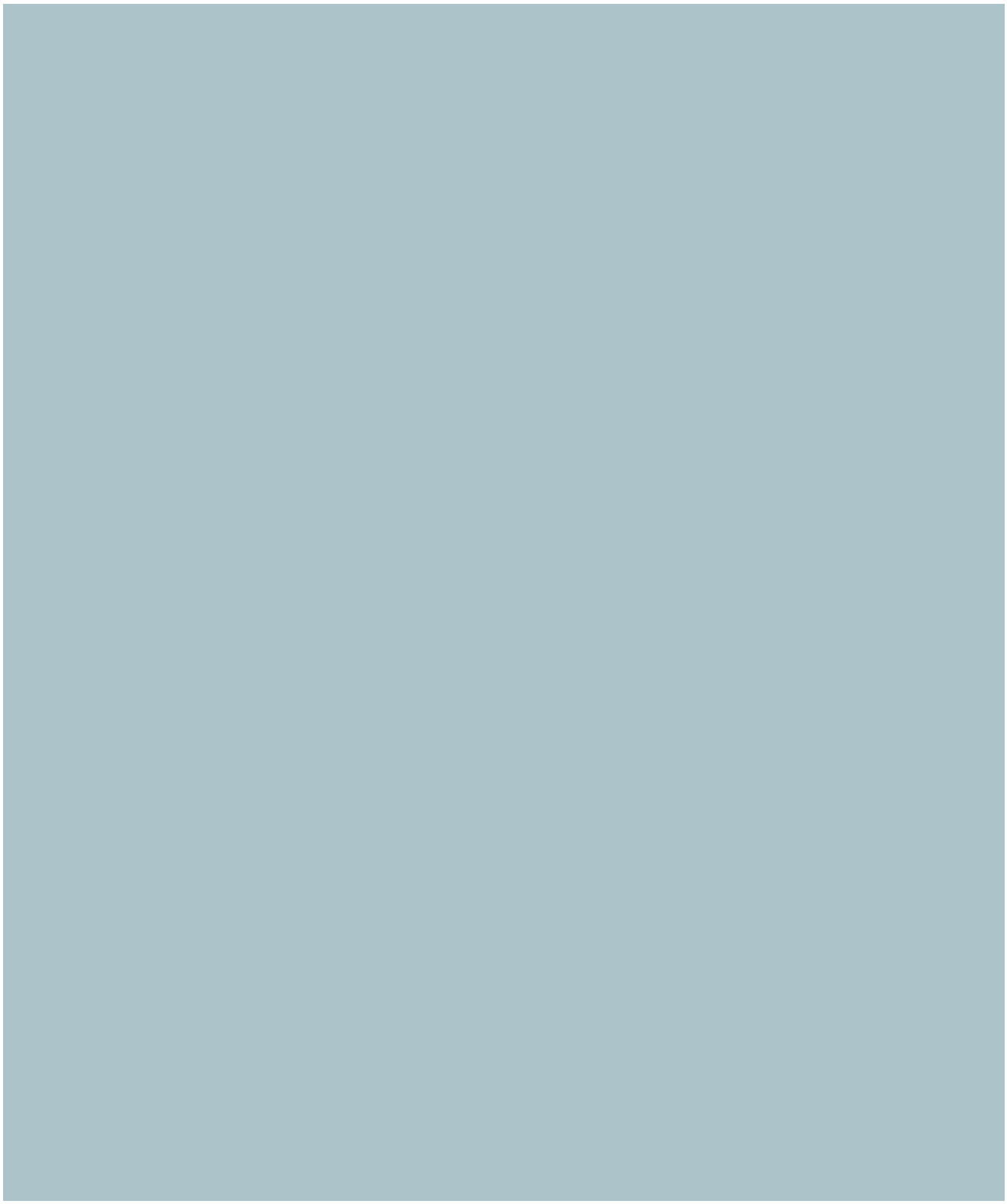


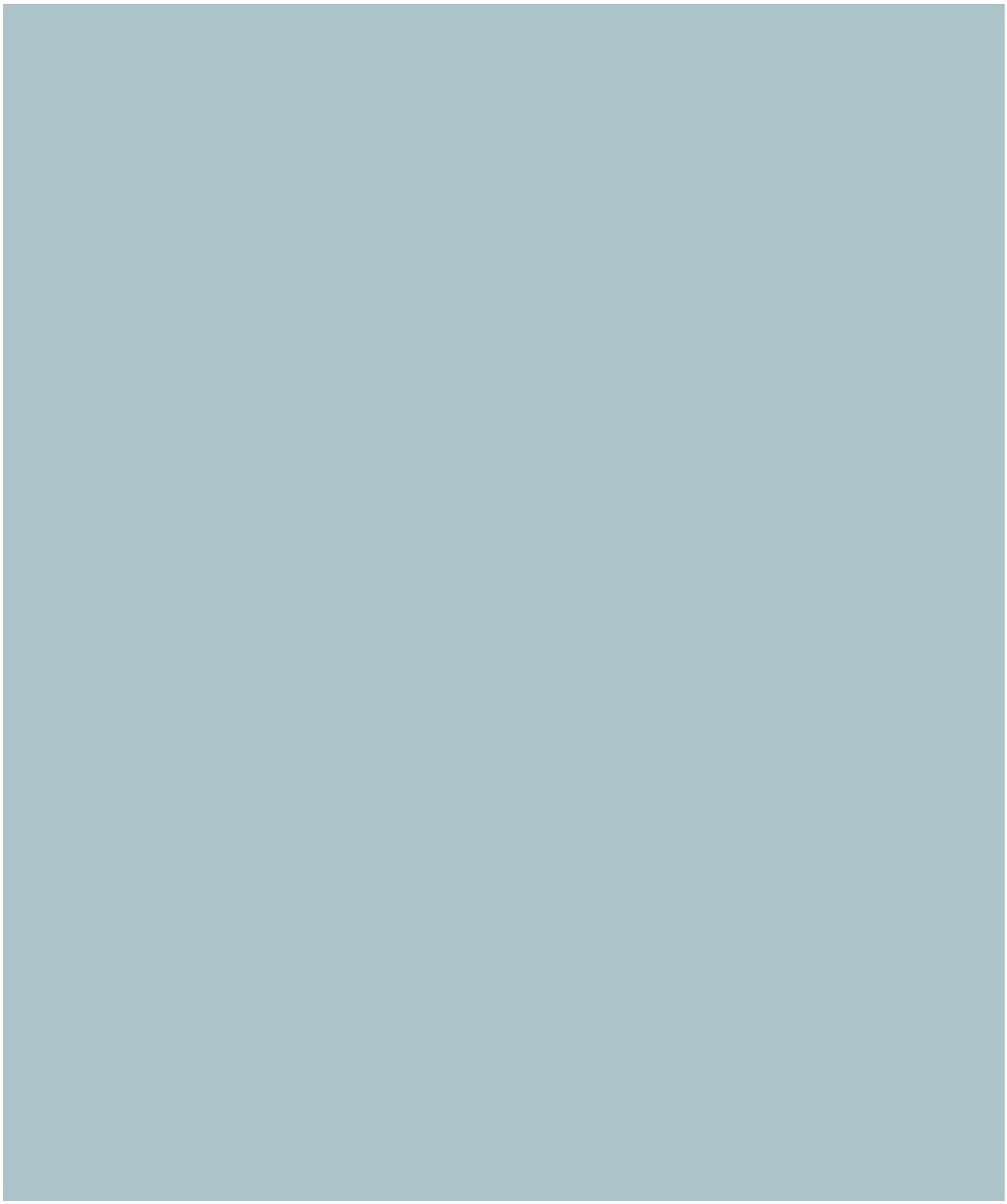


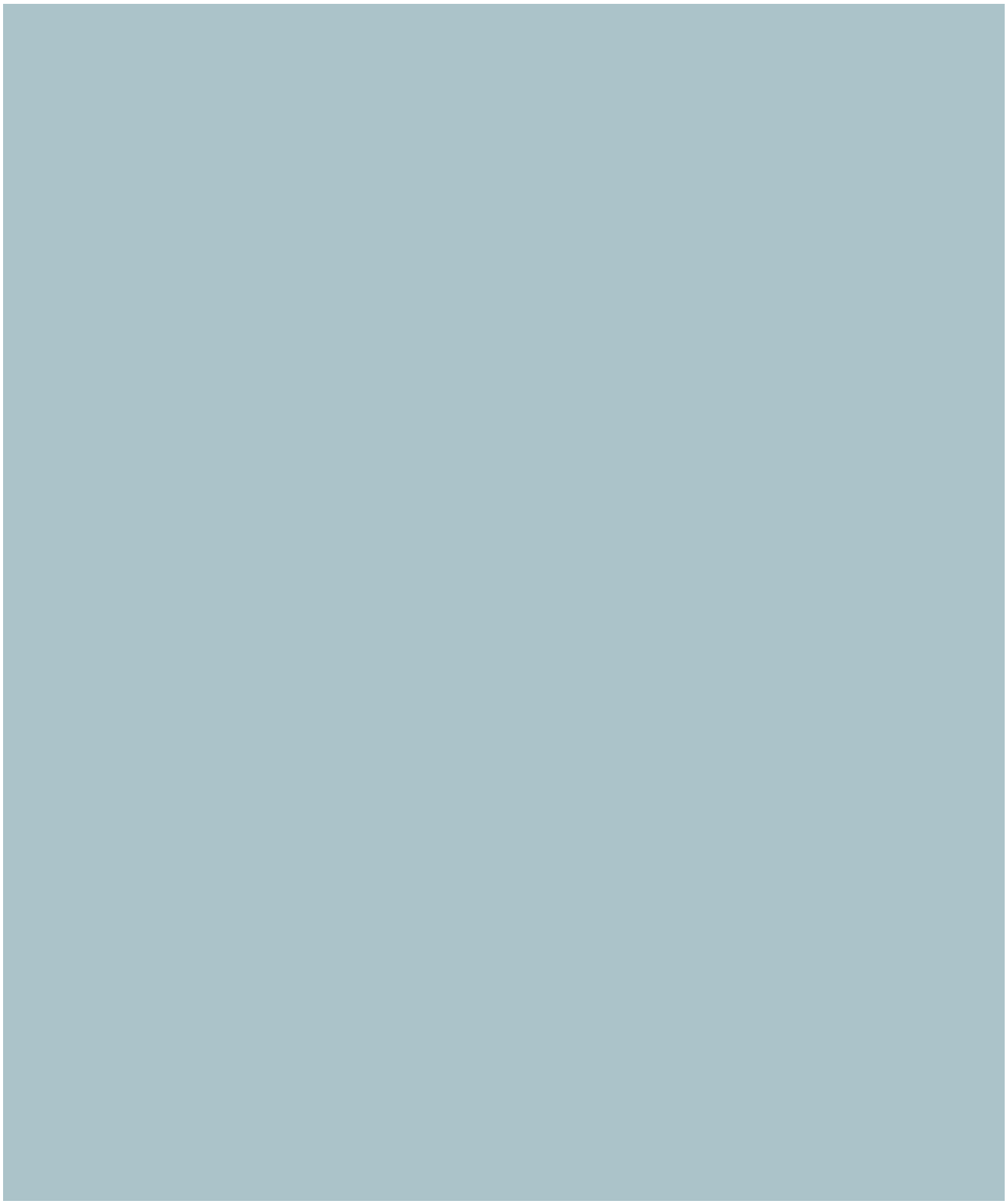


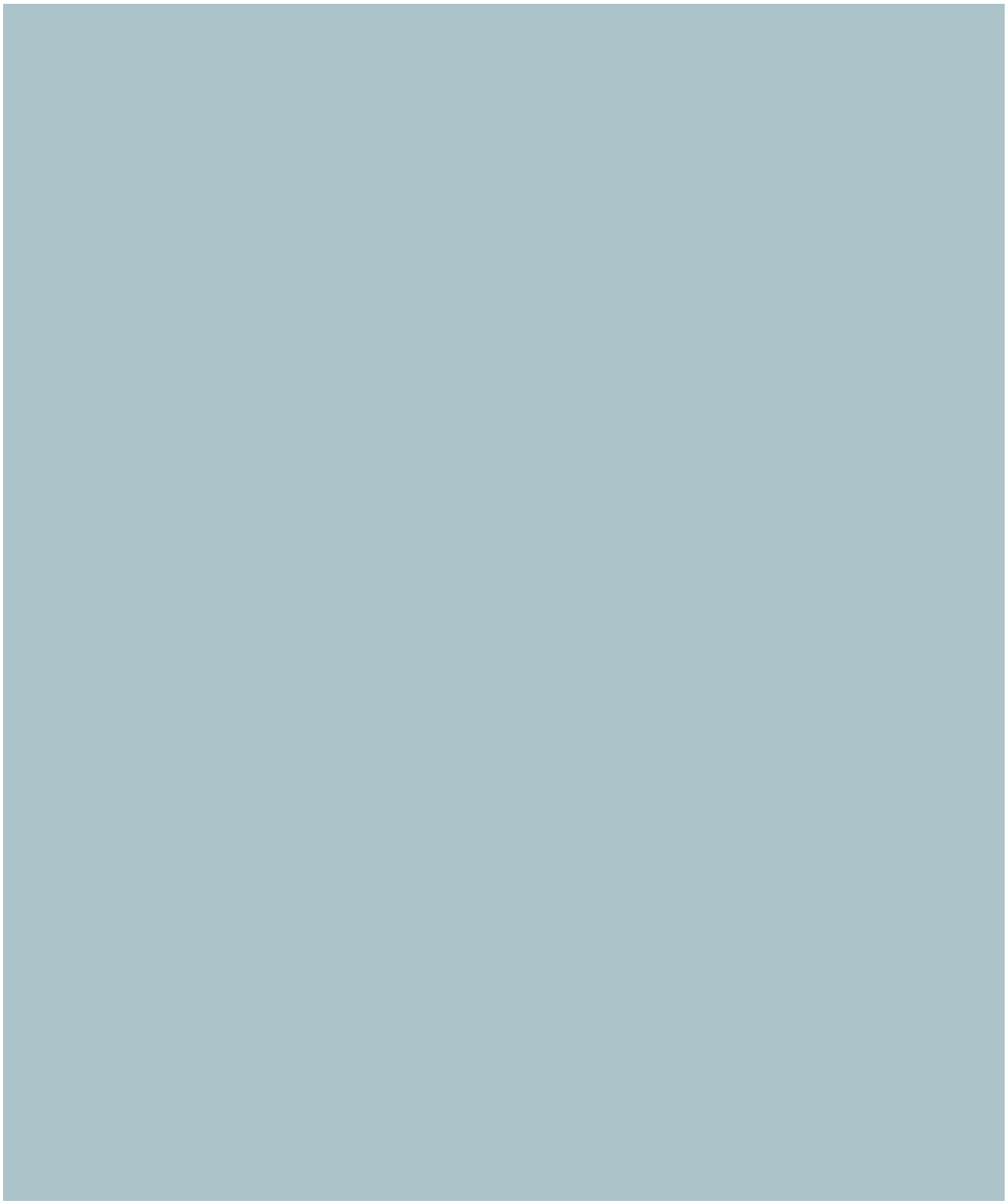


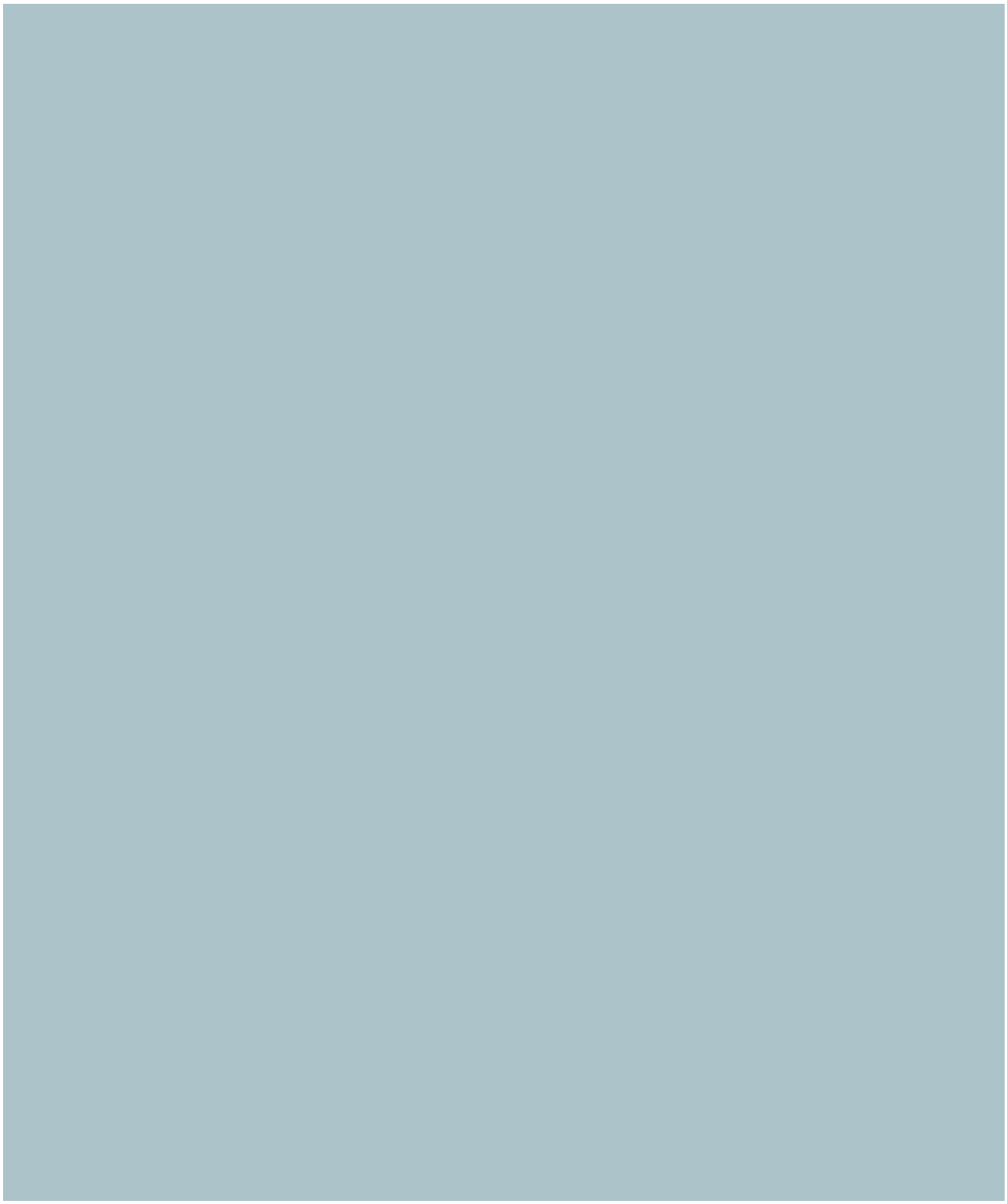


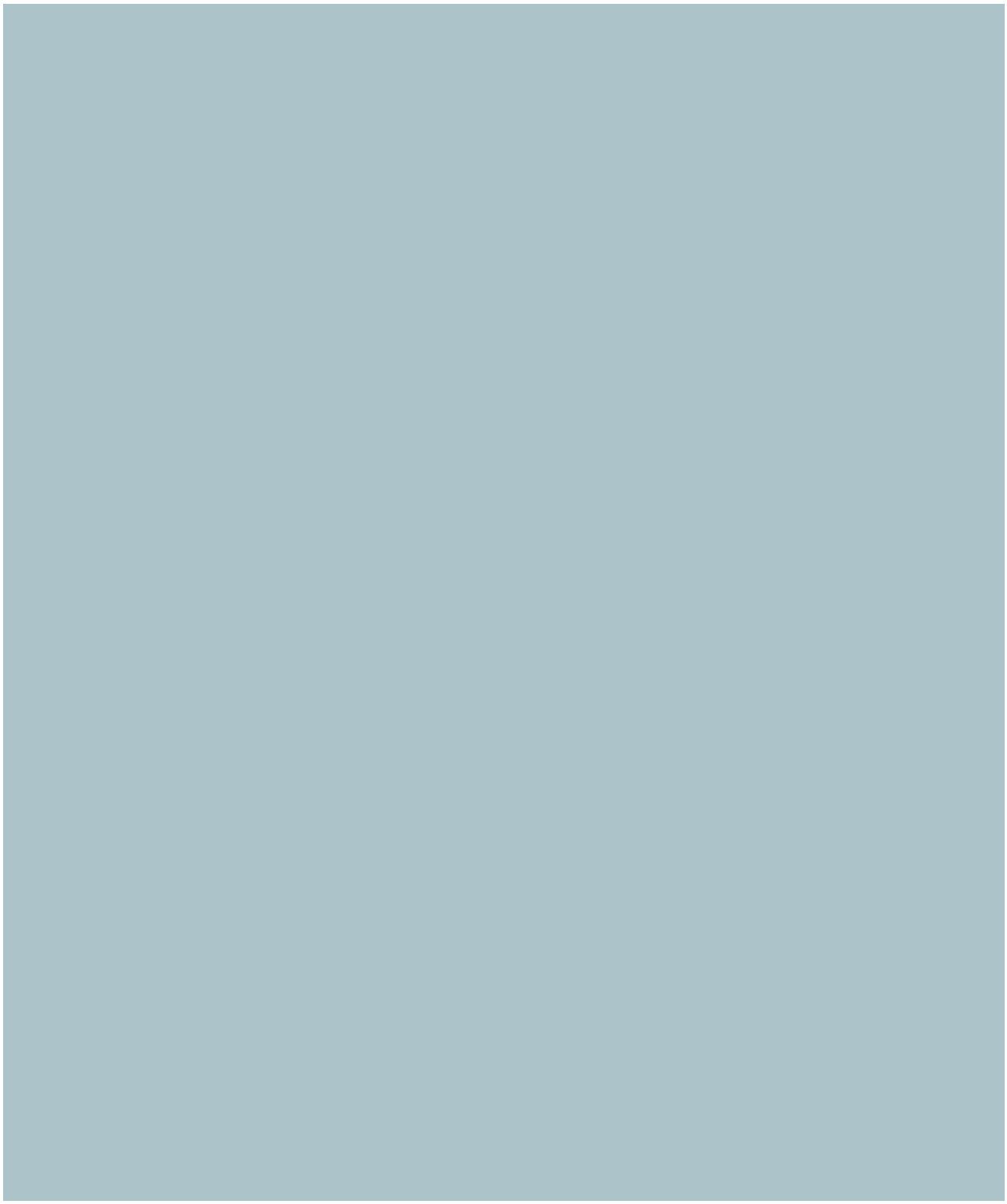


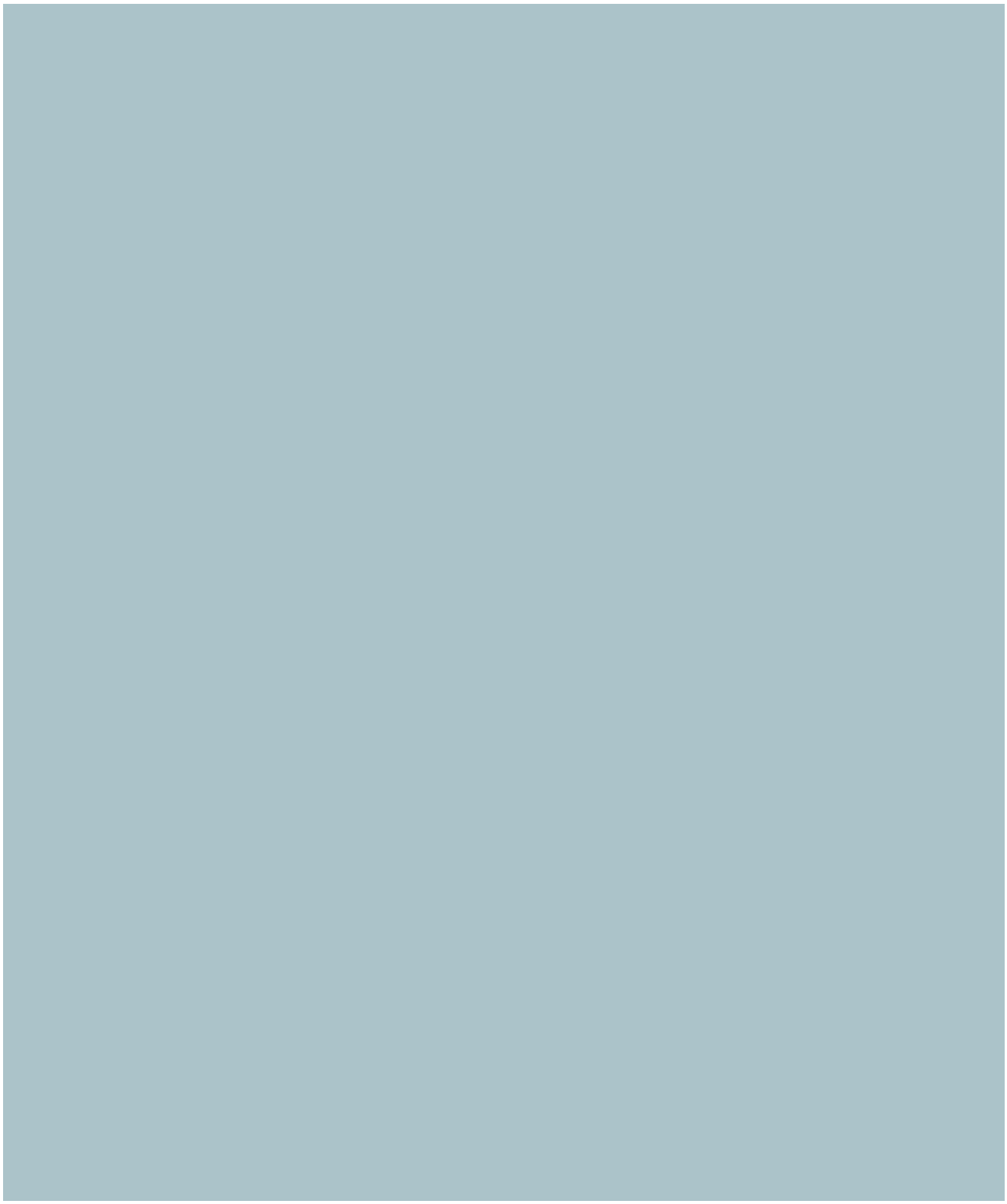


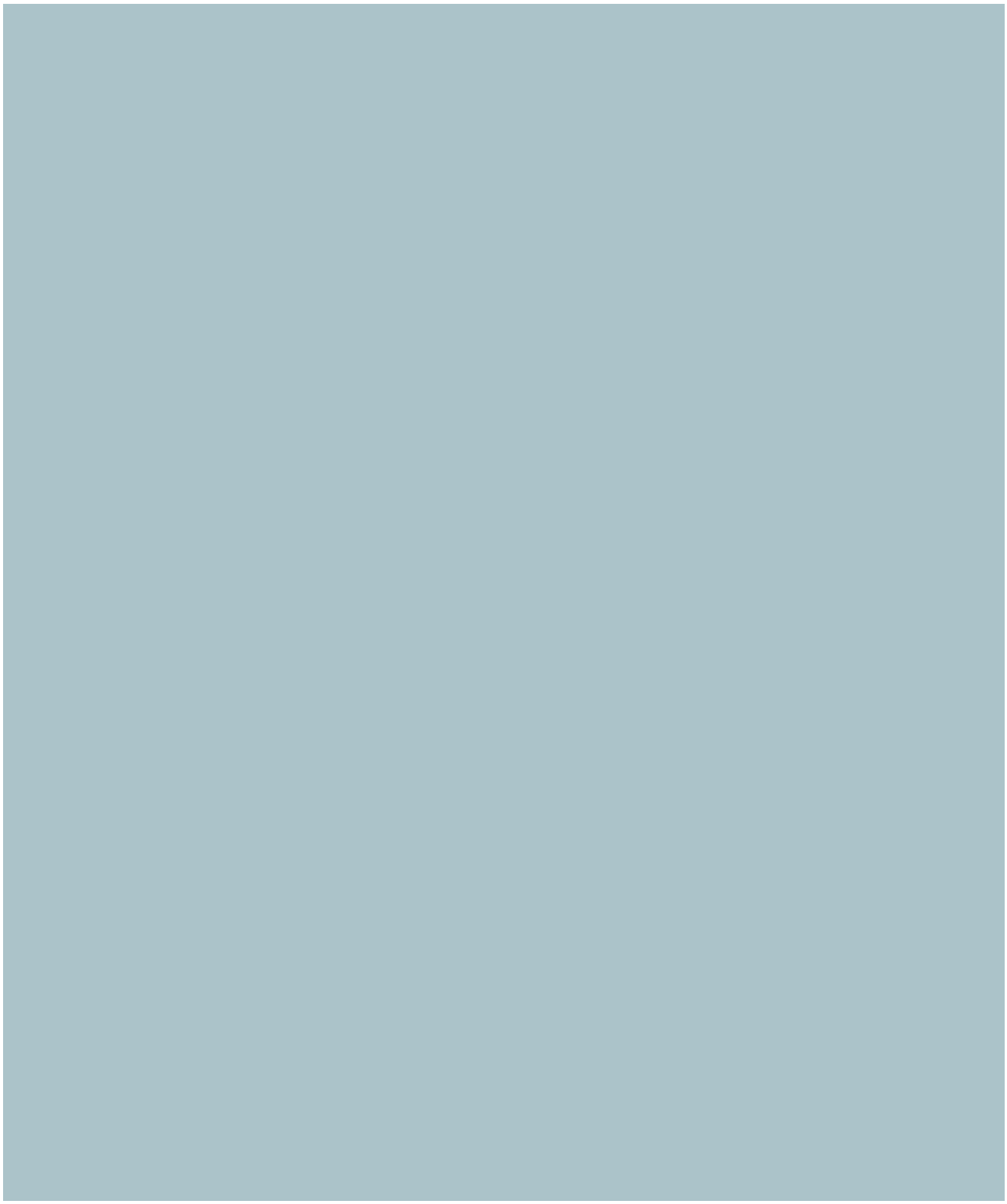


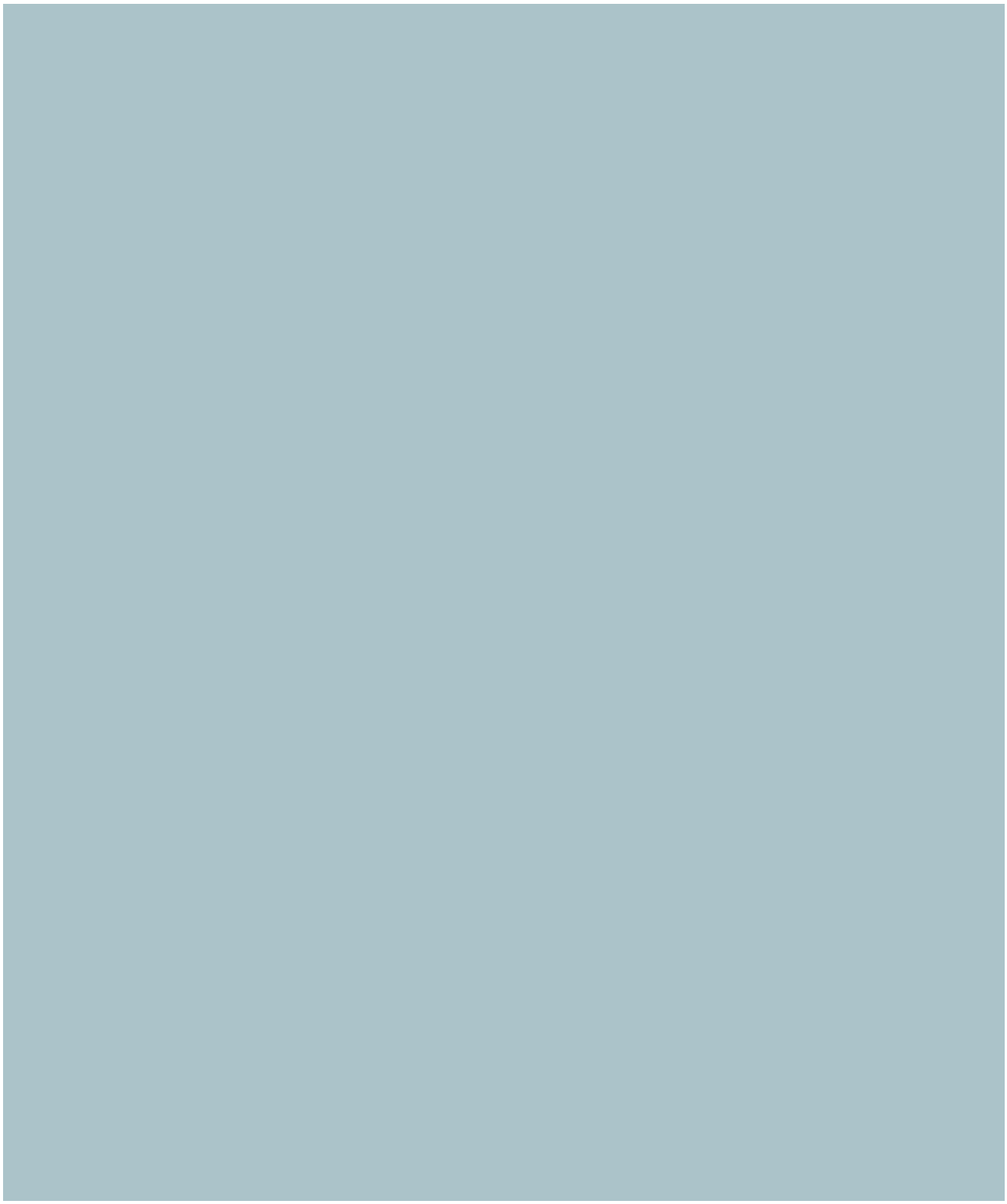


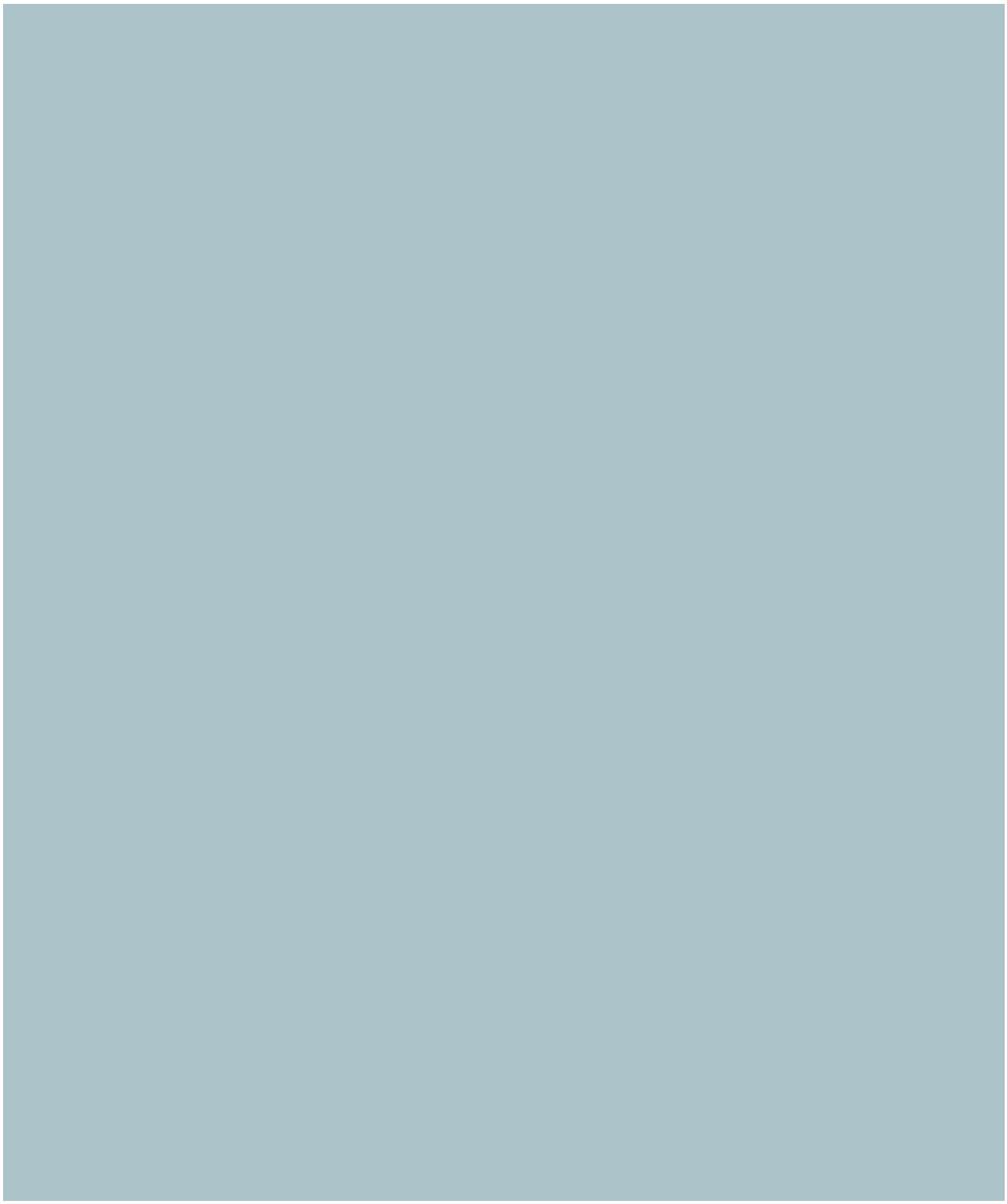


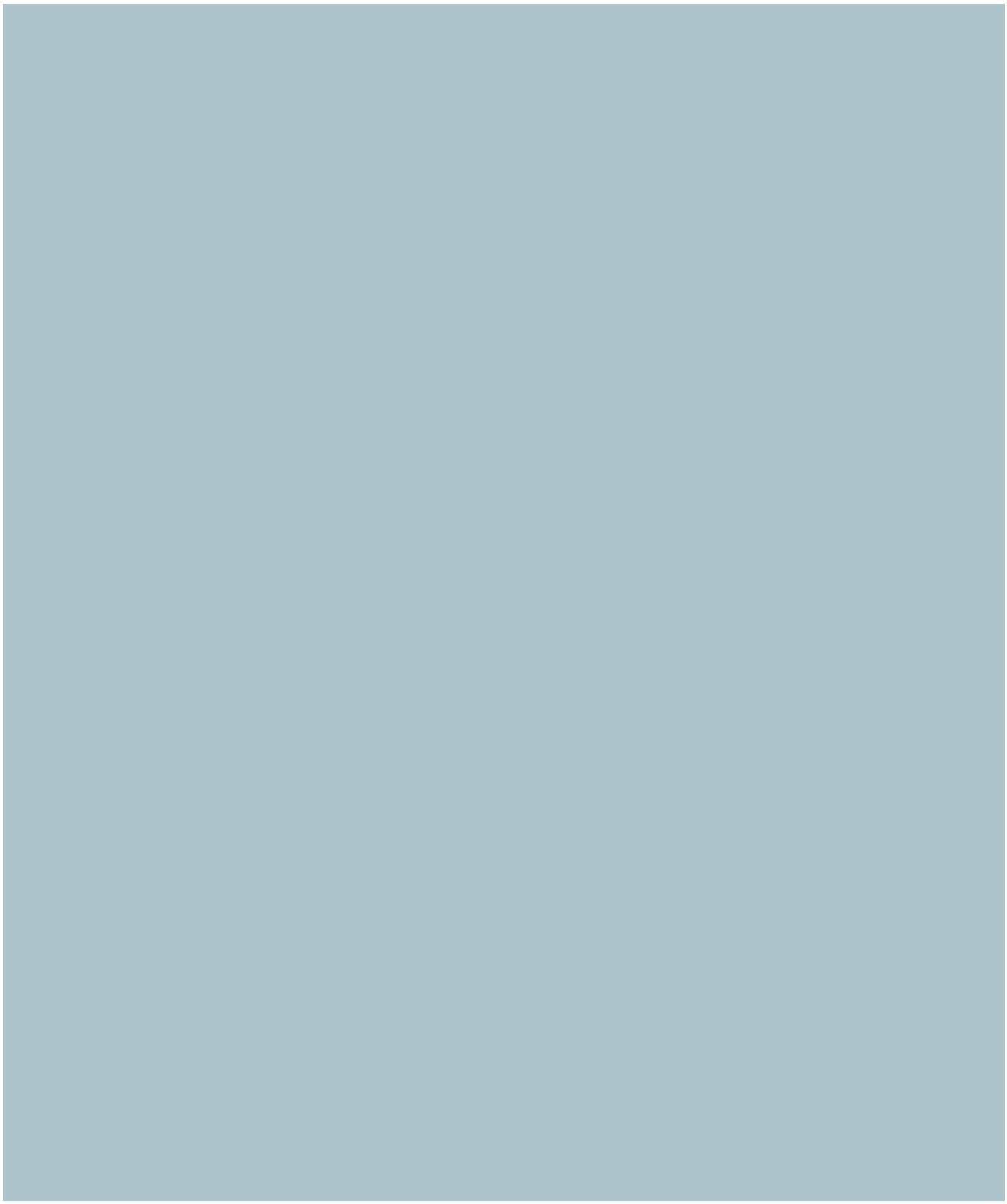


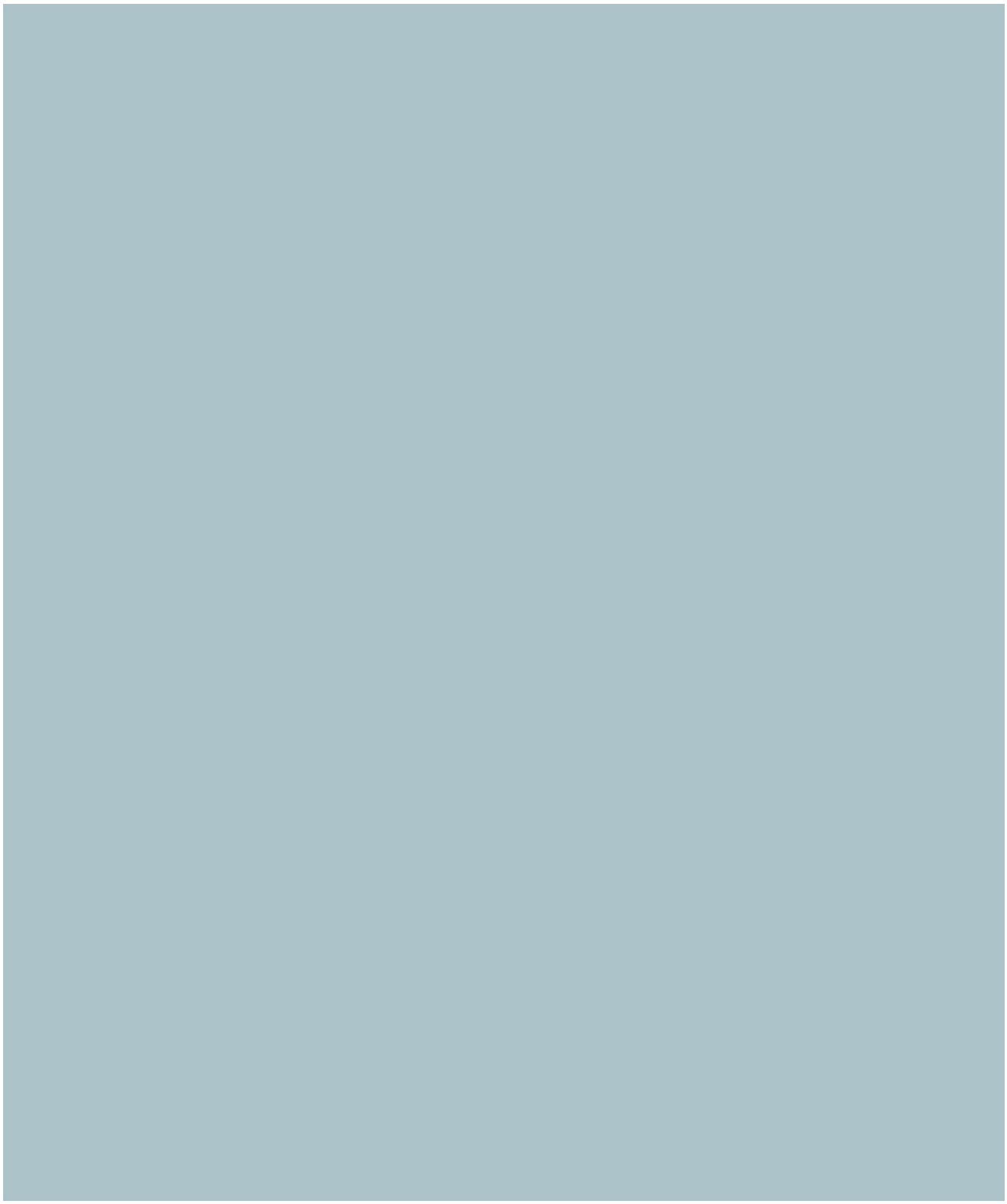


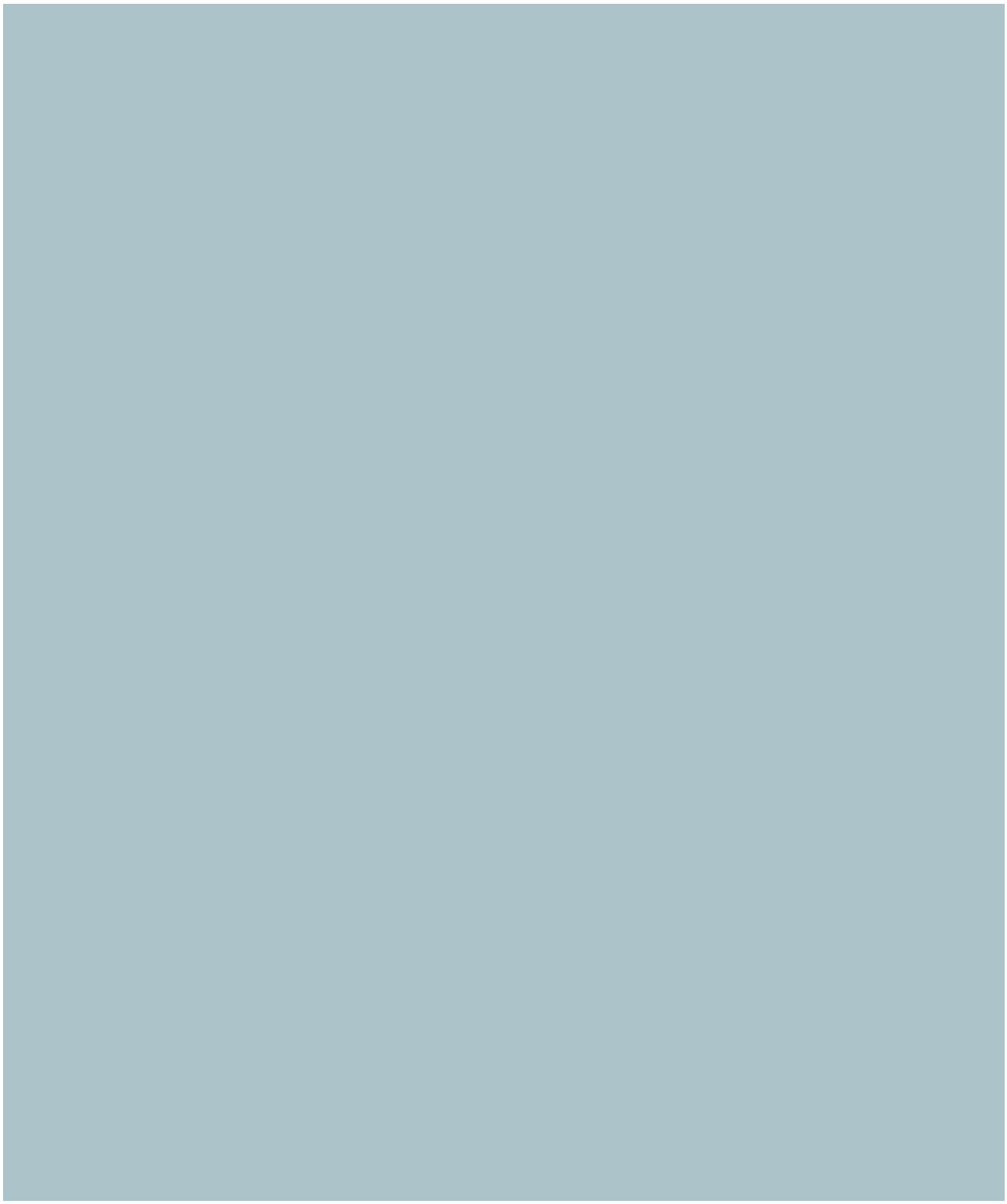


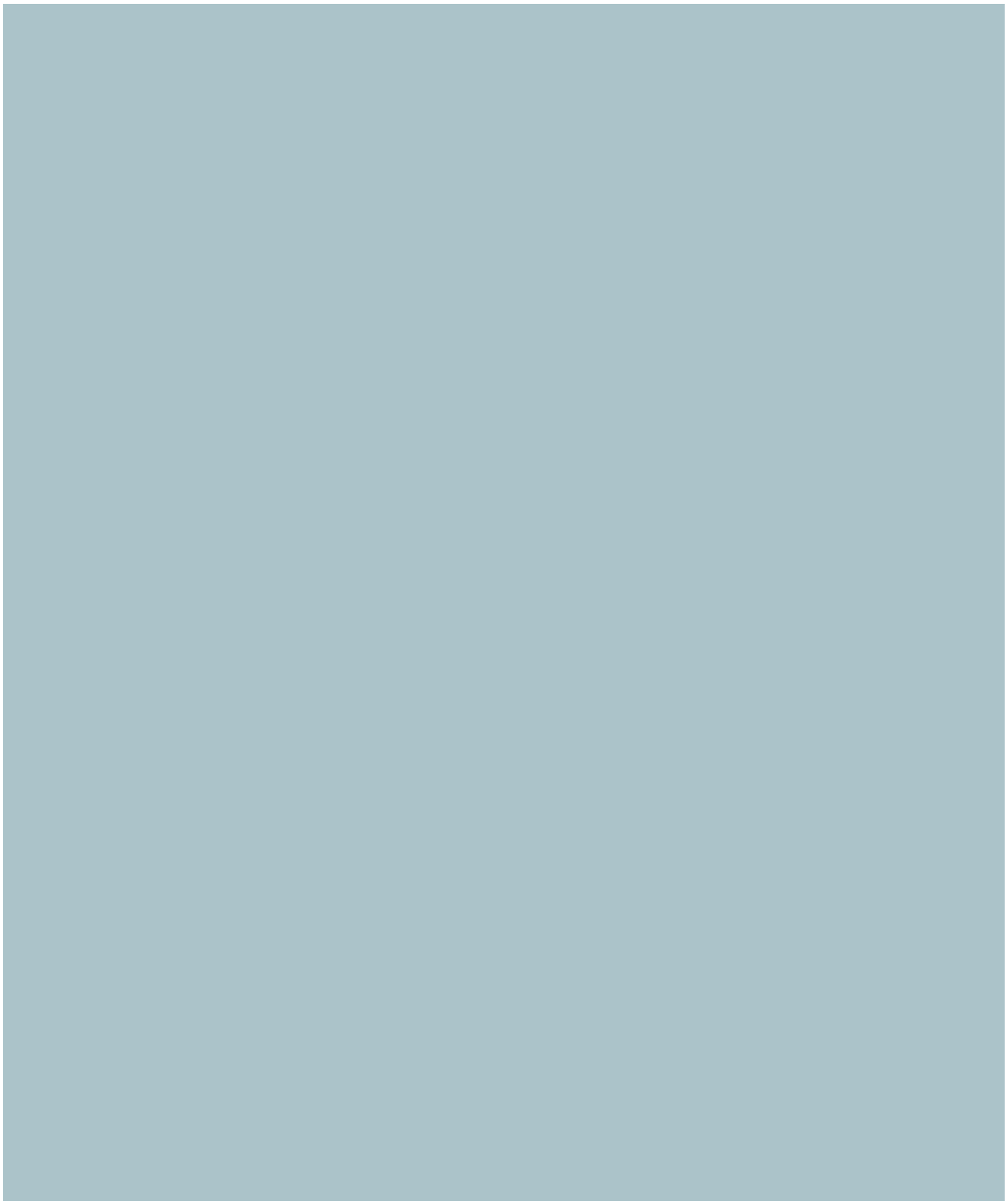


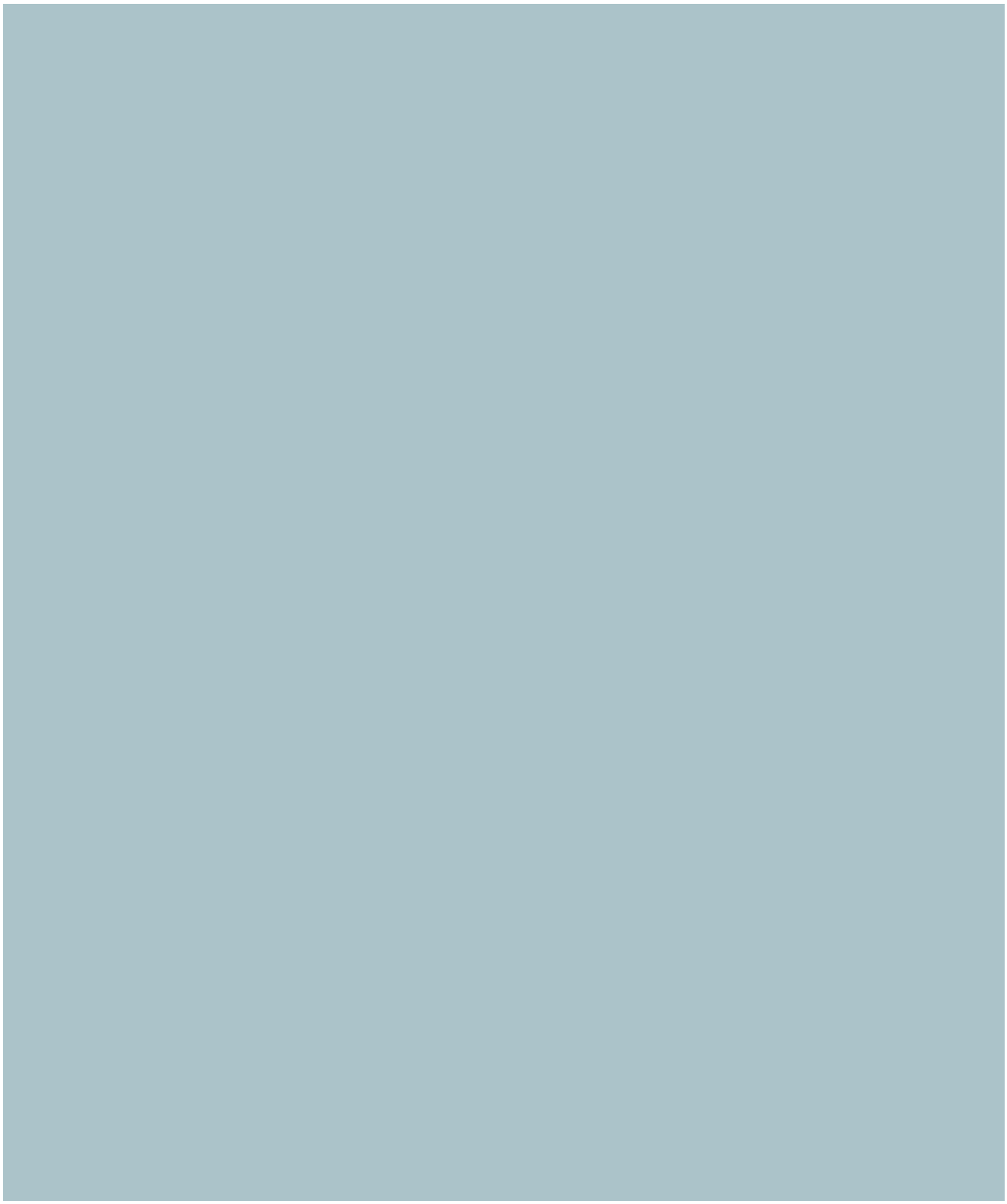


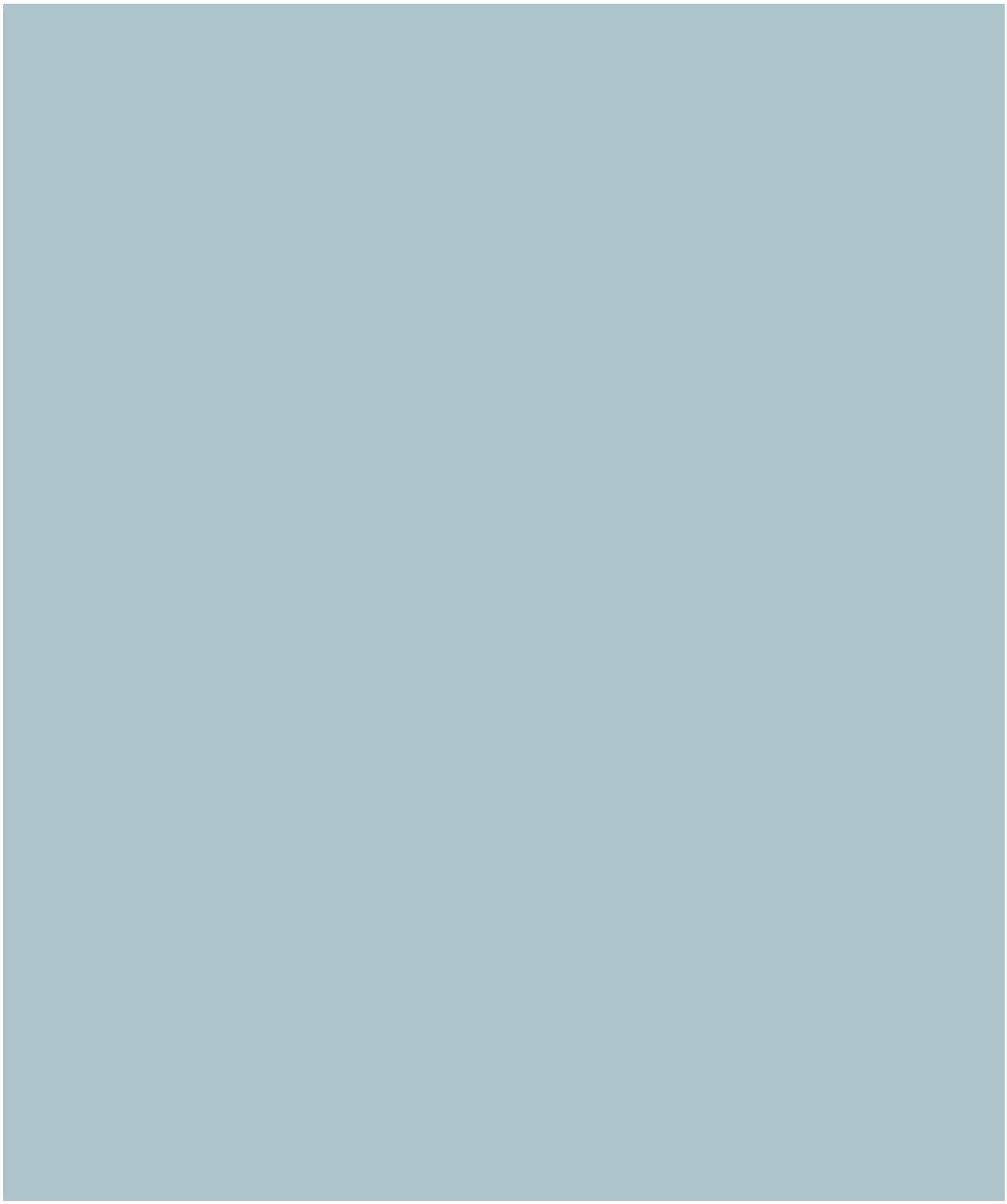


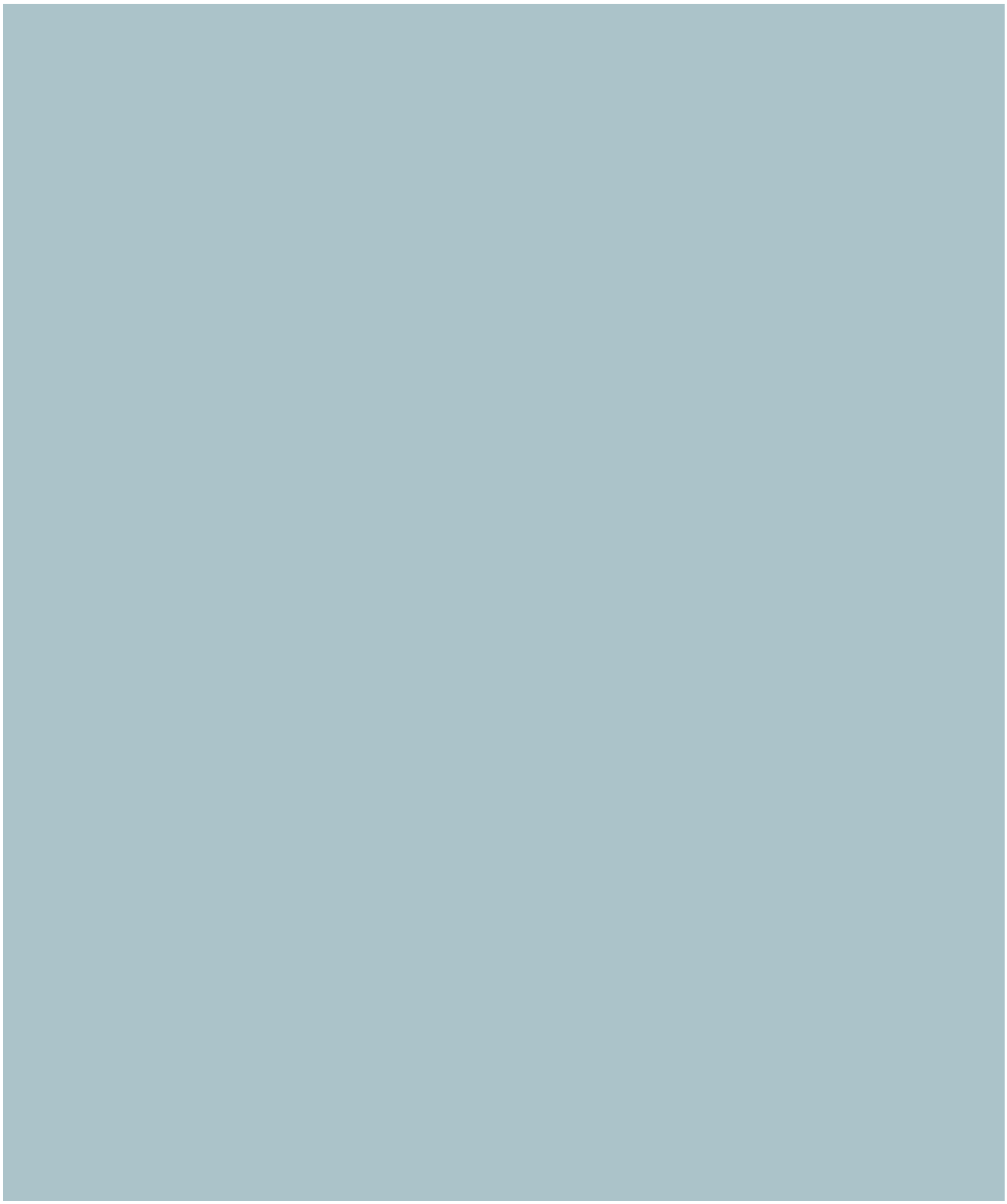


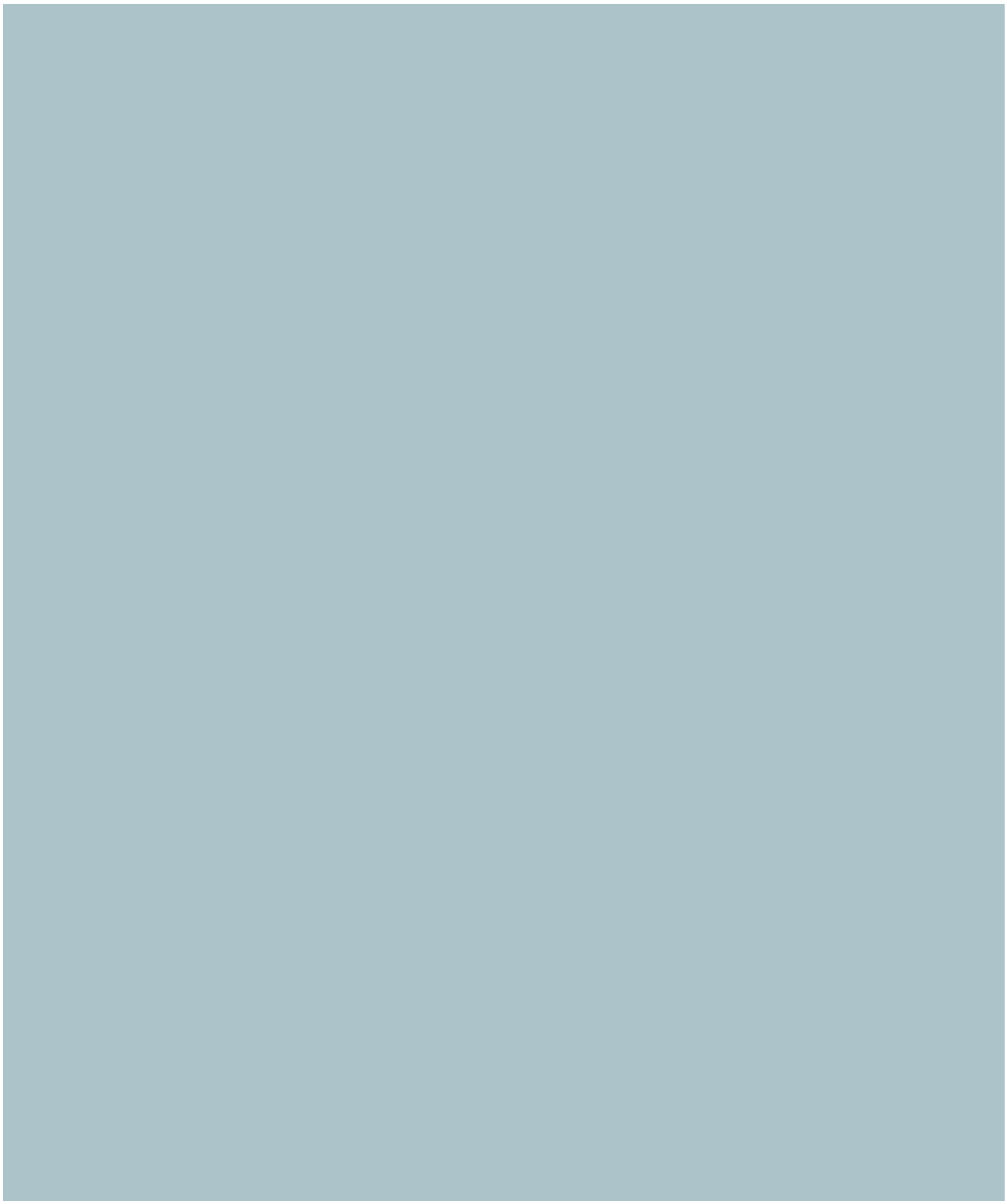


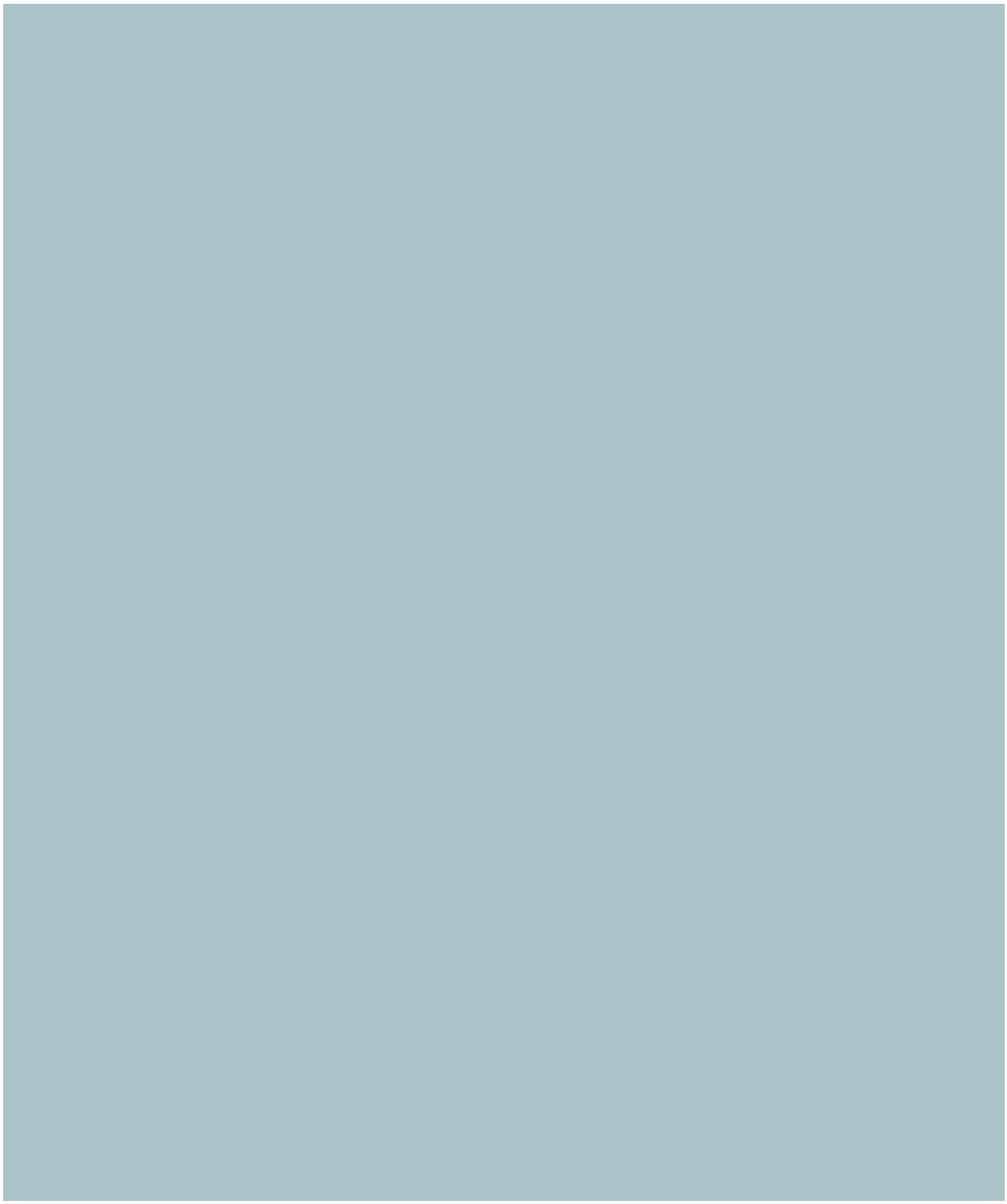


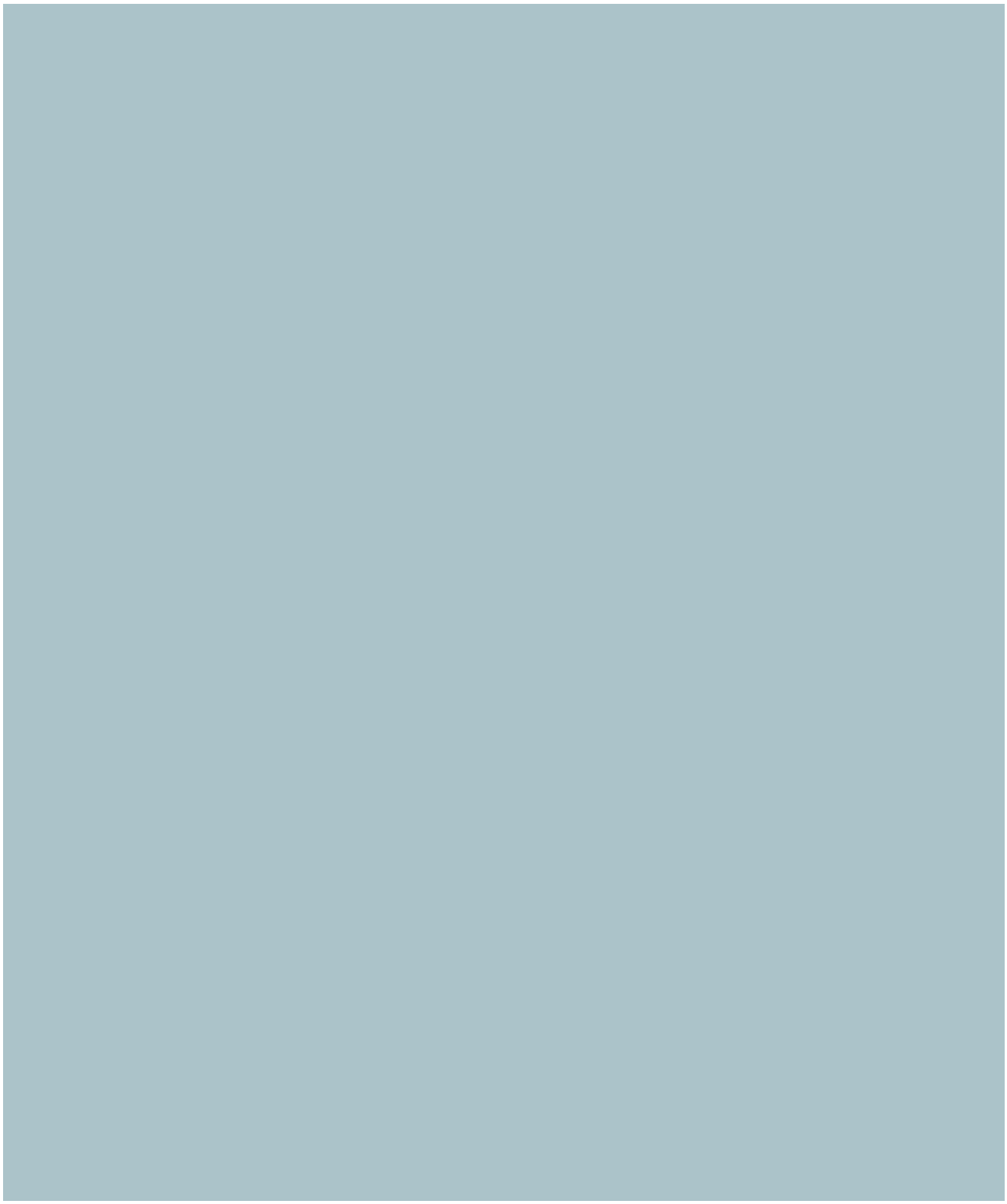


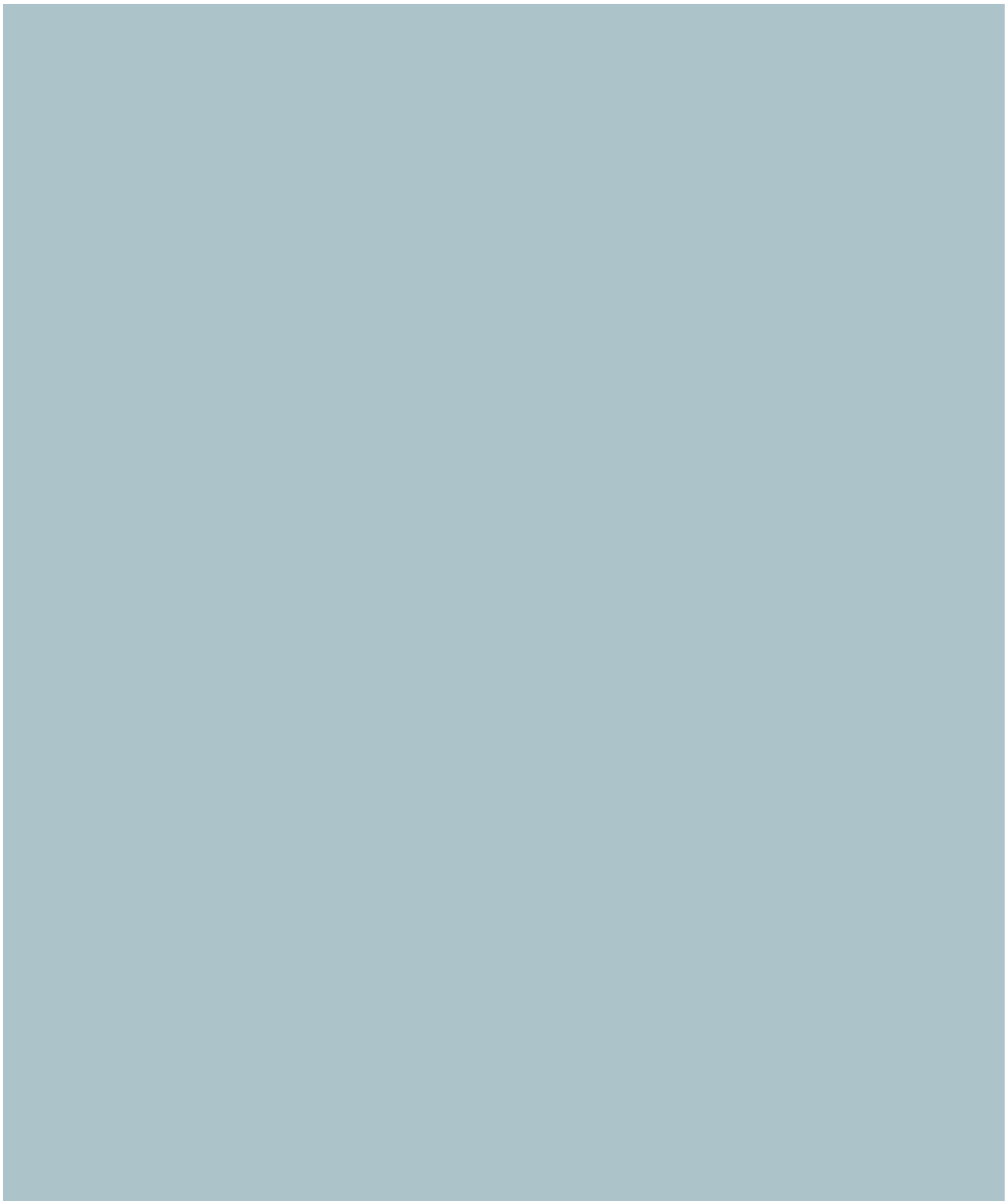


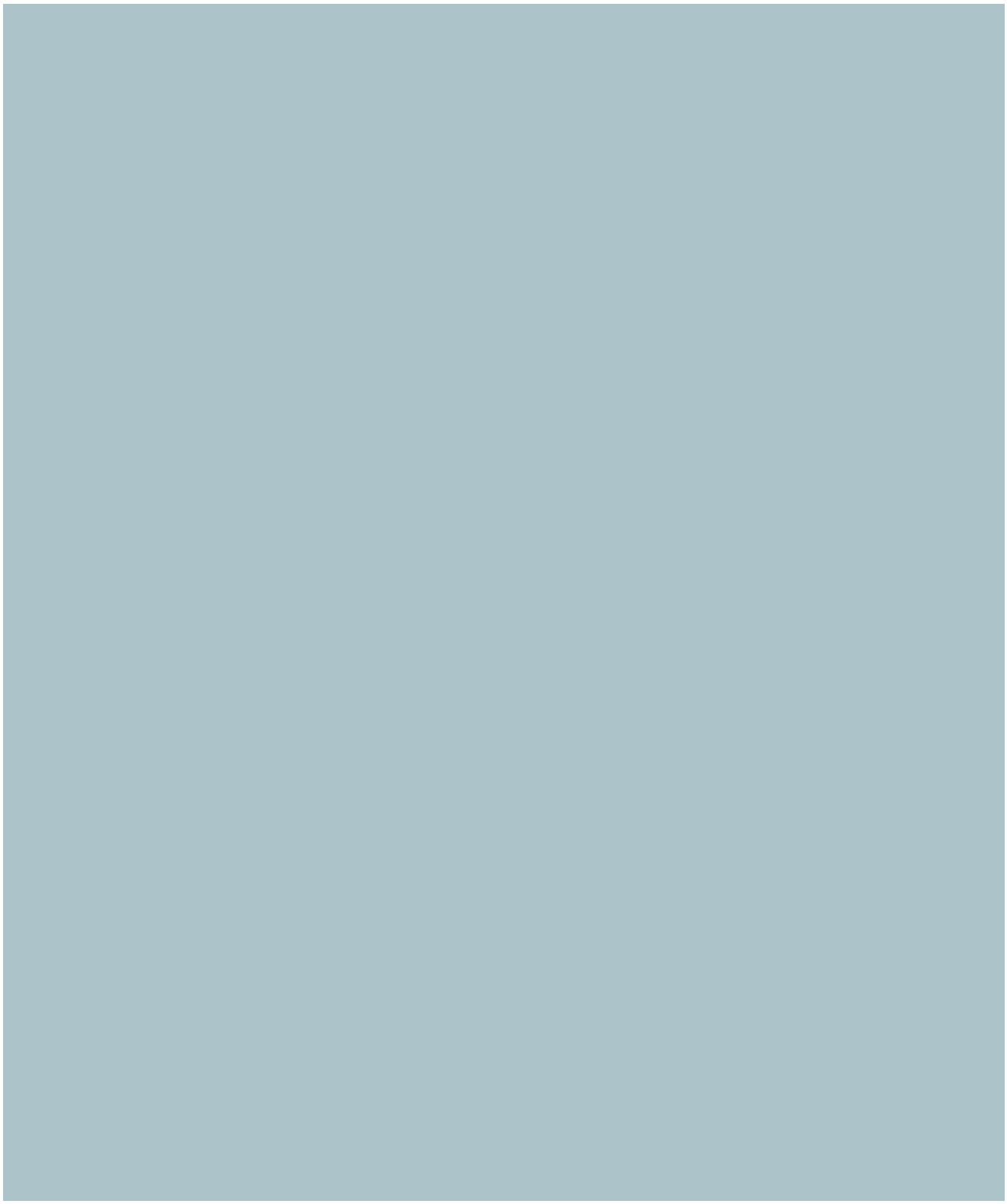


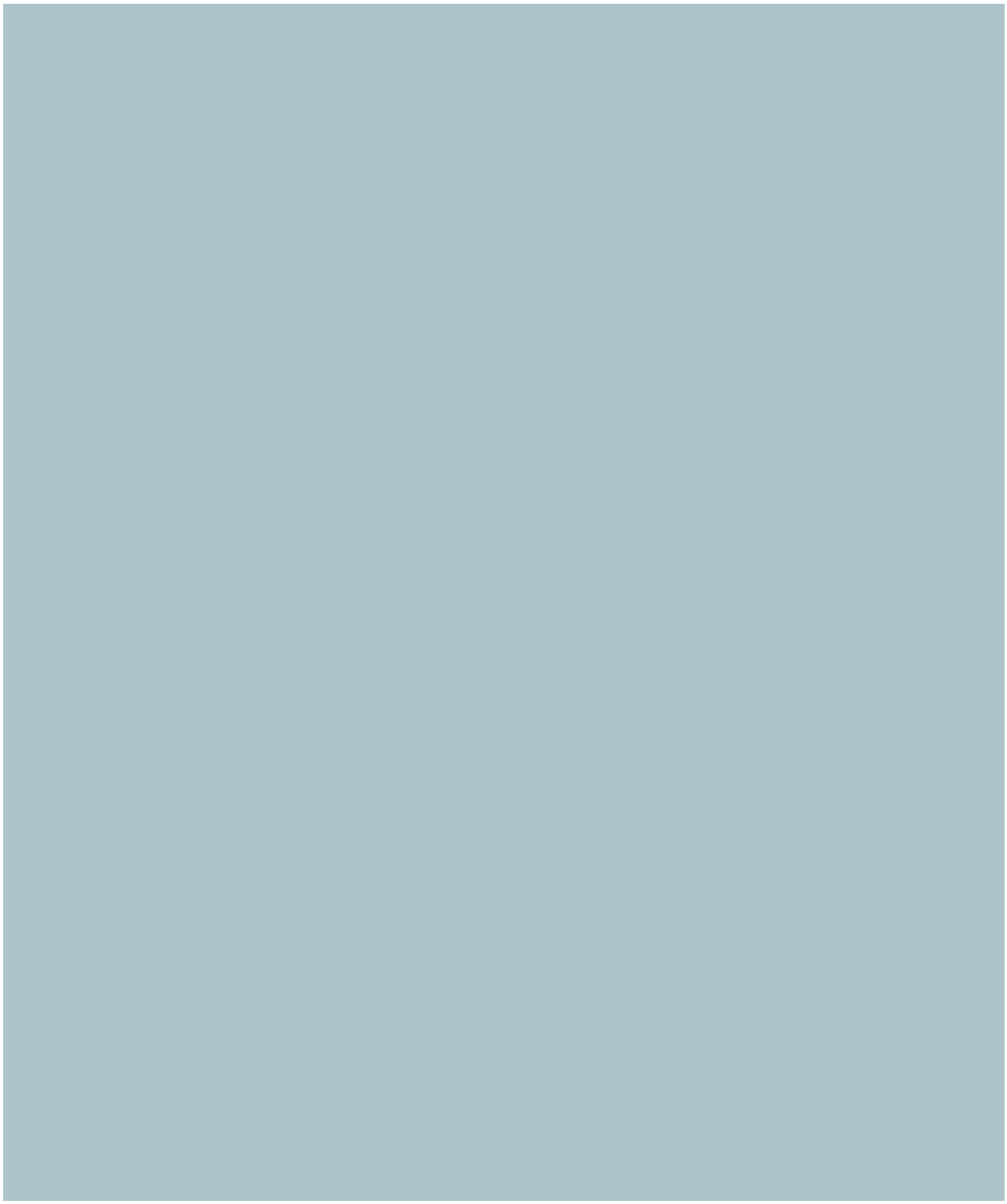


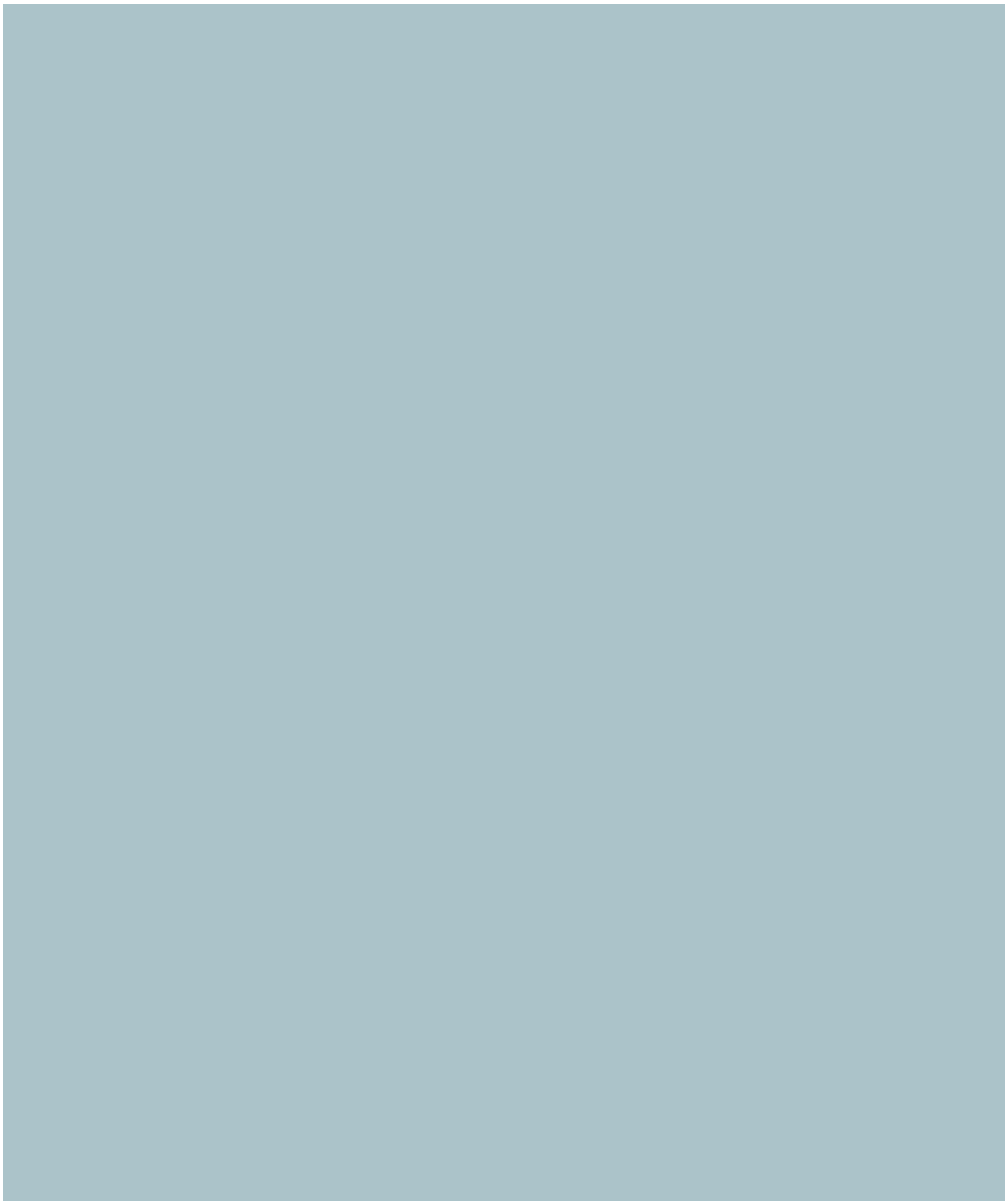


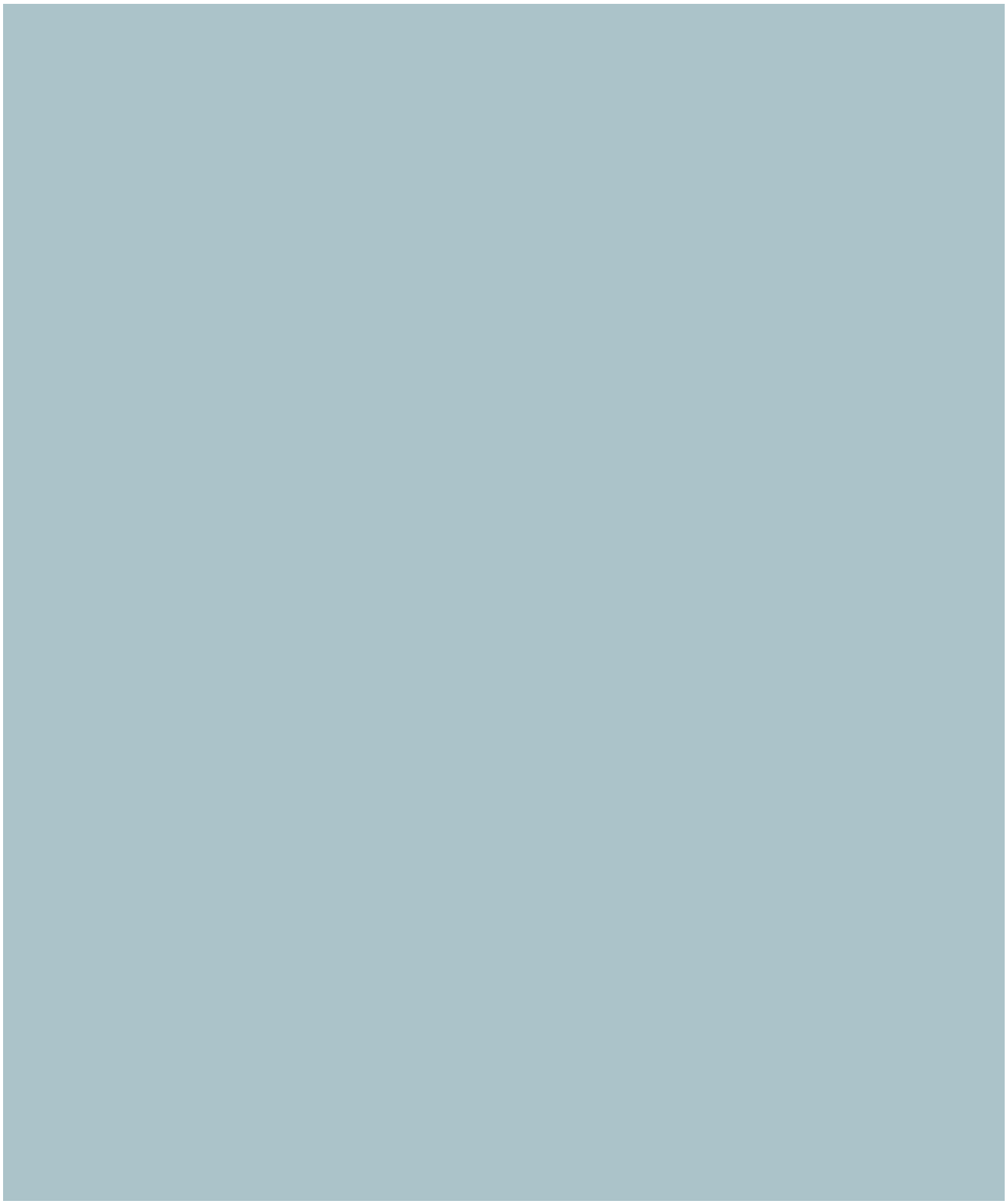


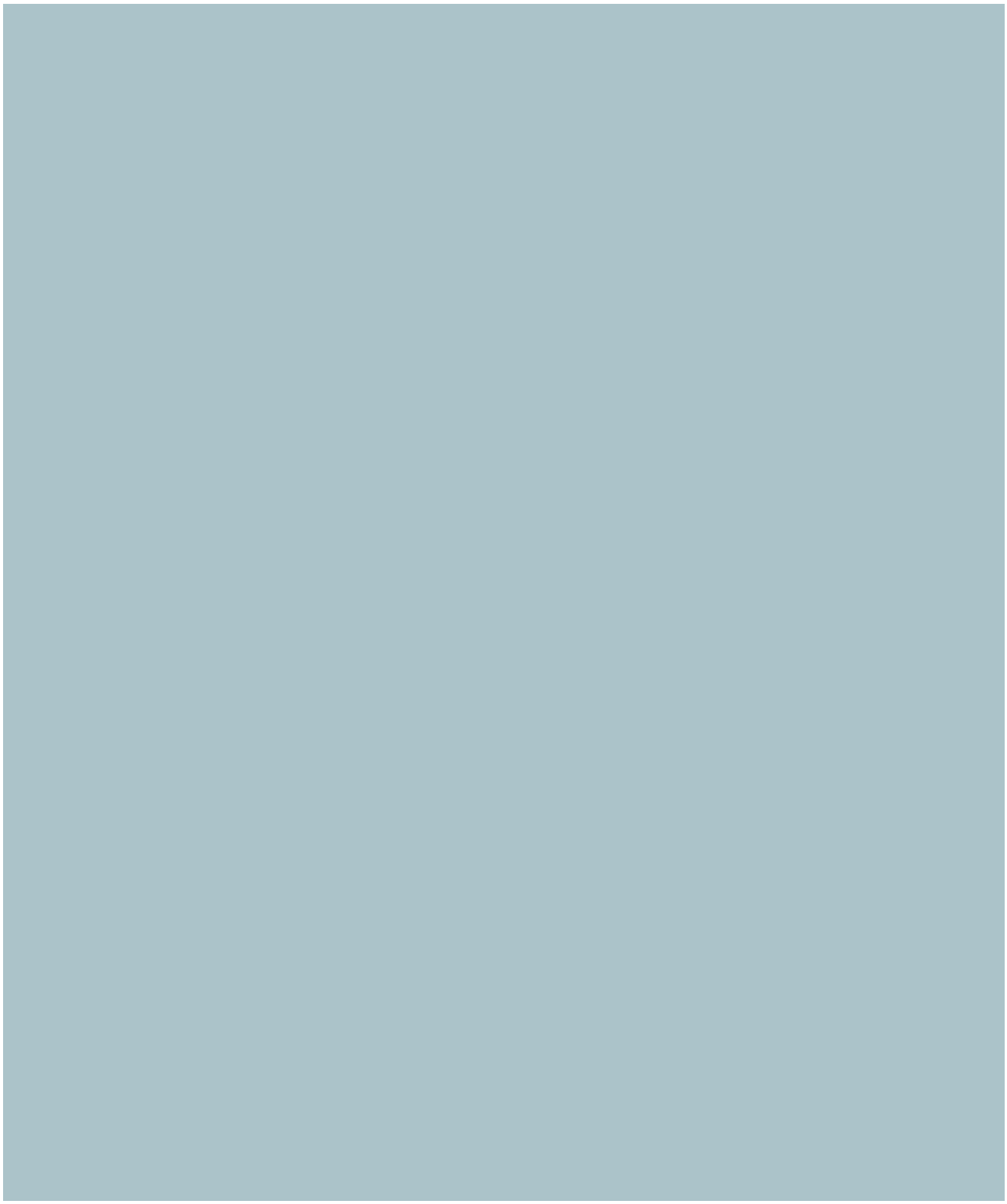


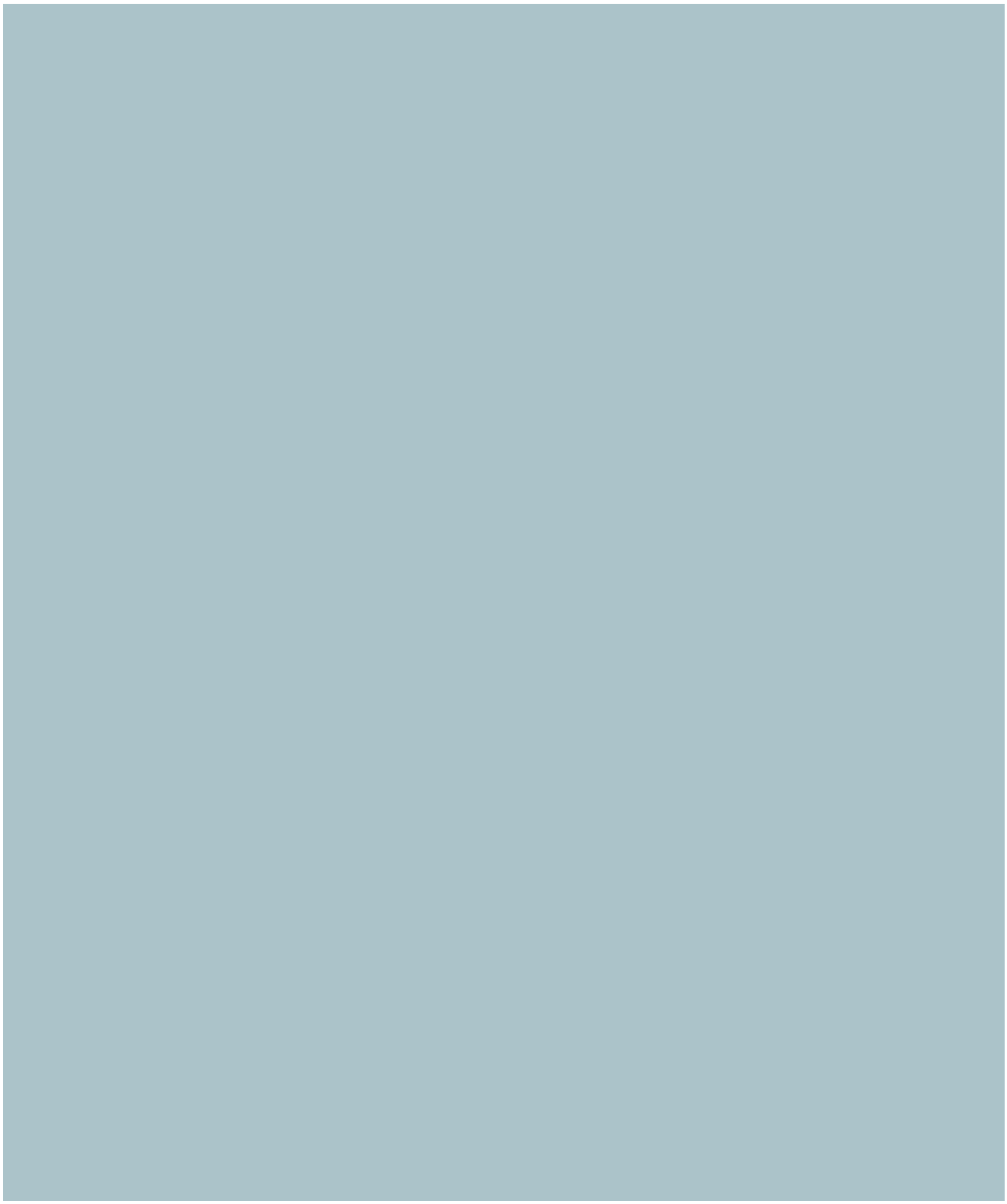


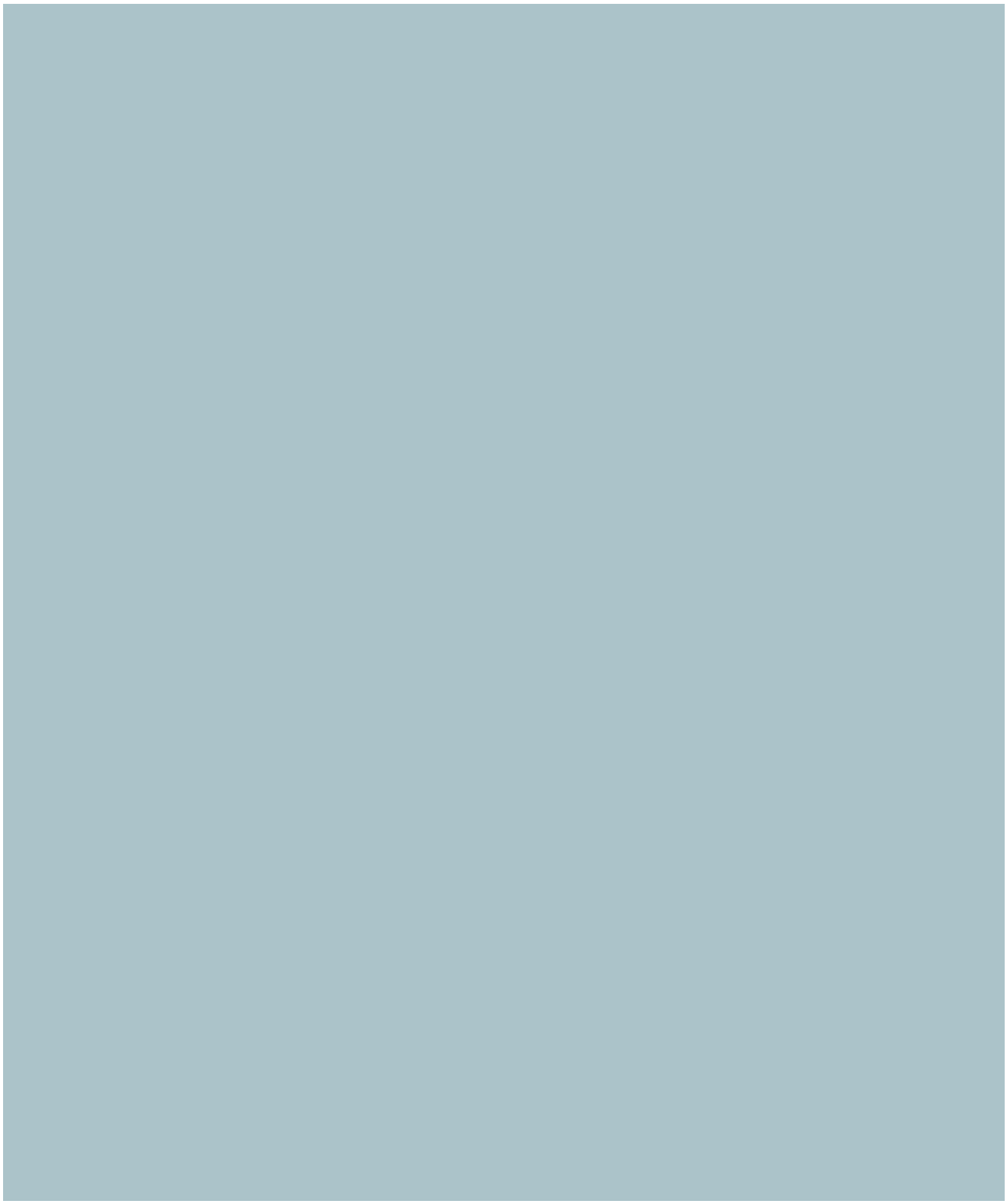


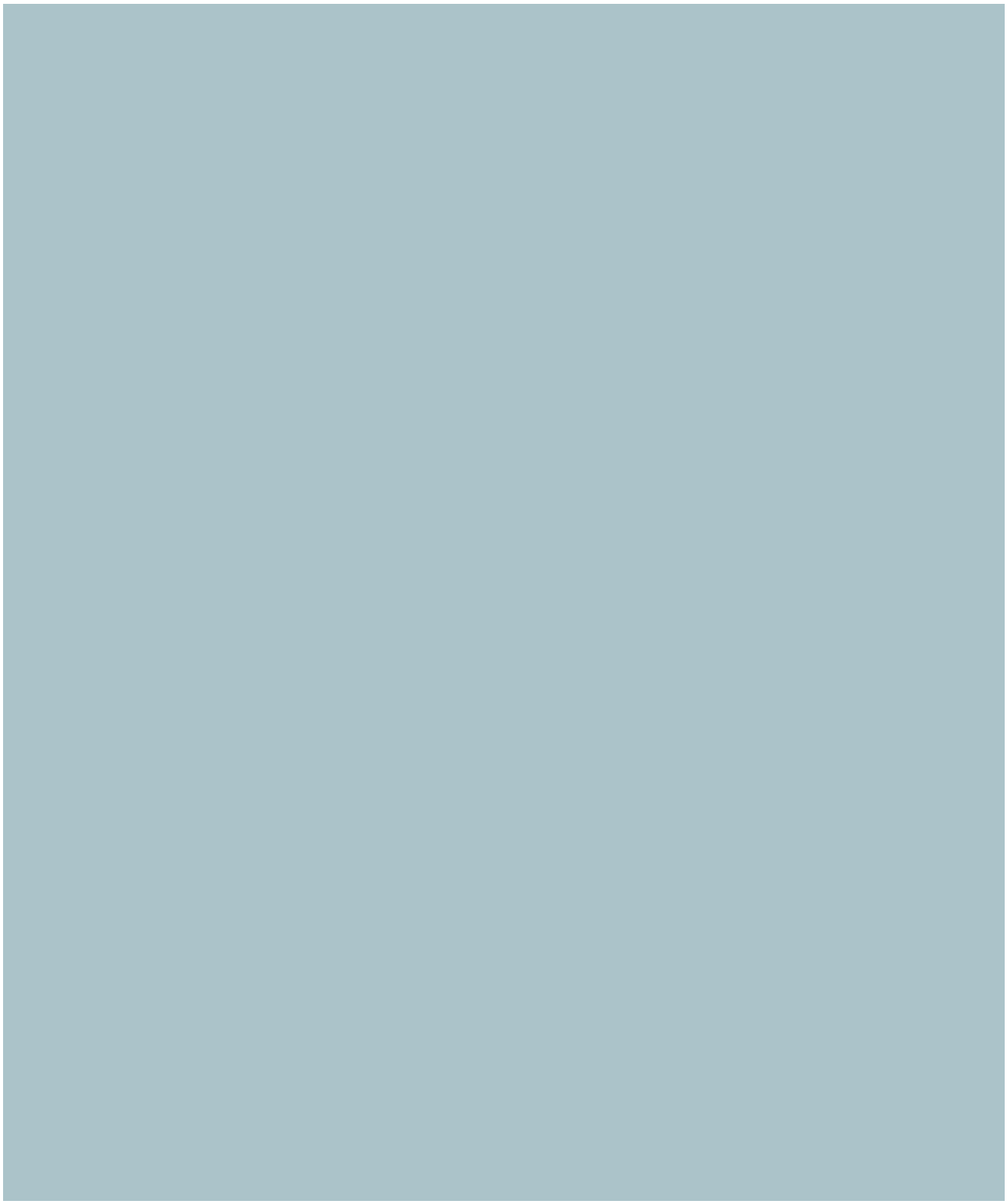


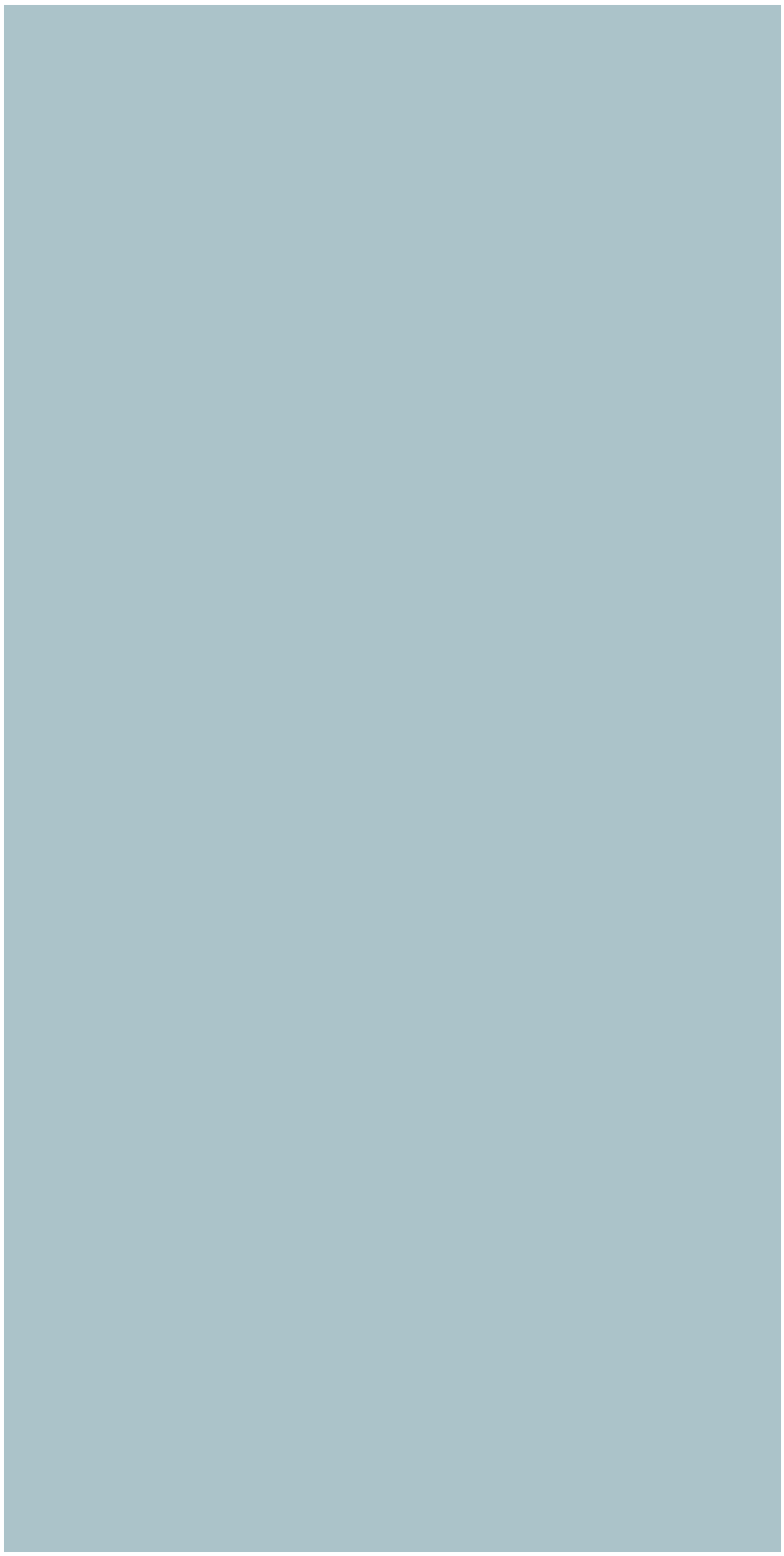












Project Name: St

Condense / S

Main

Broad Habitat
Grassland

torthes Hall Student Village, Kirkburton Map Reference:

D-2 Off-Site Habitat Creation

Show Columns | Condense / Show Rows

Menu | Instructions

Proposed habitat
Other neutral grassland
Total habitat area

Site Area (Excluding area of Individual trees and Green walls)

M² to hectares conversion tool:

Area habitat summ
Total Net Unit Change
Total Net % Change
Trading Rules Satisfied
Area Check (excluding individual trees and green walls)

Area (hectares)	Distinctiveness	Score	Condition	Score
0.159	Medium	4	Good	3
0.16				

0.16

Select a unit	Hectares	M²

nary
18.57
32.50%
No - check trading summaries ▲
Area Acceptable ✓

Post development/ post intervention habitats

Strategic significance		
Strategic significance	**Strategic position multiplier**	**Standard time to target condition (years)**
Location ecologically desirable but not in local strategy	1.1	10

Temporal risk multiplier

Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)
0	0	Standard time to target condition applied	10

	Difficulty risk multipliers		
Final time to target multiplier	**Standard difficulty of creation**	**Applied difficulty multiplier**	**Final difficulty of creation**
0.700	Low	Standard difficulty applied	Low

Difficulty multiplier applied
1

Spatial risk multiplier
Spatial risk category
Compensation inside LPA boundary or NCA of impact site

Habitat units delivered	Comments	
	User comments	Consenting body comments
1.47	Areas of bare ground to be seeded with meadow grassland and managed in the long-term alongside wider enhanced grassland area.	
1.47		

GIS reference number	Off-site reference

Project Name: Storthes Hall Student Village, Kirkburton **Map Referen**

D-3 Off-Site Habitat Enhancment

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

Baseline ref	Baseline habitat
1	Grassland - Modified grassland

ıce:

Baseline habitats				
Total habitat area	**Baseline distinctiveness band**	**Baseline distinctiveness score**	**Baseline condition category**	**Baseline condition score**
1.786	Low	2	Poor	1

Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units
Medium strategic significance	1.1	3.9292

	Prop
Required Action to Meet Trading Rules	**Proposed Broad Habitat**
Same distinctiveness or better habitat required ≥	**Grassland**

Area habita
Total Net Unit Change
Total Net % Change
Trading Rules Satisfied

posed Habitat (Pre-Populated but can be overridden)
Proposed Habitat
Other neutral grassland

at summary
18.57
32.50%
No - check trading summaries ▲

Change in distinctiveness and condition		Area ha
Distinctiveness change	Condition change	
Low - Medium	Lower Distinctiveness Habitat - Good	1.786
	Total habitat area	1.79

Distinctiveness	Score	Condition	Score
Medium	4	Good	3

Post development/ po

Strategic significance		
Strategic significance	**Strategic significance**	**Strategic position multiplier**
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1

ost intervention habitats

Temp		
Standard time to target condition (years)	**Habitat enhanced in advance (years)**	**Delay in starting habitat enhancement (years)**
15	0	0

oral multiplier			
Standard or adjusted time to target condition	**Final time to target condition (years)**	**Final time to target multiplier**	**Difficulty of enhancement category**
Standard time to target condition applied	15	0.586	Low

Difficulty multipliers		
Applied difficulty multiplier	**Difficulty**	**Difficulty multiplier applied**
Standard difficulty applied	Low	1

Spatial risk multiplier
Spatial risk category
Compensation inside LPA boundary or NCA of impact site

		Co
Spatial risk multiplier	**Habitat units delivered**	**User comments**
1	15.44	Modified grassland field to the south-west of the main Storthes Hall site which is to be utilised for habitat creation and enhancement to offset losses. Assumed Meadow Grassland is most likely and feasible and long-term management specifically to maximise biodiversity value could achieve Good condition (i.e. species diversity, varied sward, control of bracken and bramble, monitor and control invasives, maintain localised bare ground etc.). To remain as of Medium strategic significance.
	15.44	

mments

Consenting body comments	GIS reference number	Off-site reference

ect Name: Storthes Hall Student Village, Kirkburton Map Refere

E-1 Off-Site Hedge Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

	Existing hedgerow habitats		
Baseline ref	**Hedge number**	**Hedgerow type**	**Length (km)**
1	N boundary	Native hedgerow	0.15
2			
3			
4			
5			
			0.15

Hedgerow sun	
Total Net Unit Change	
Total Net % Change	
Trading Rules Satisfied	

Distinctiveness		Condition	
Distinctiveness	Score	Condition	Score
Low	2	Moderate	2

nmary
0.46
Check Data ⚠
Yes ✓

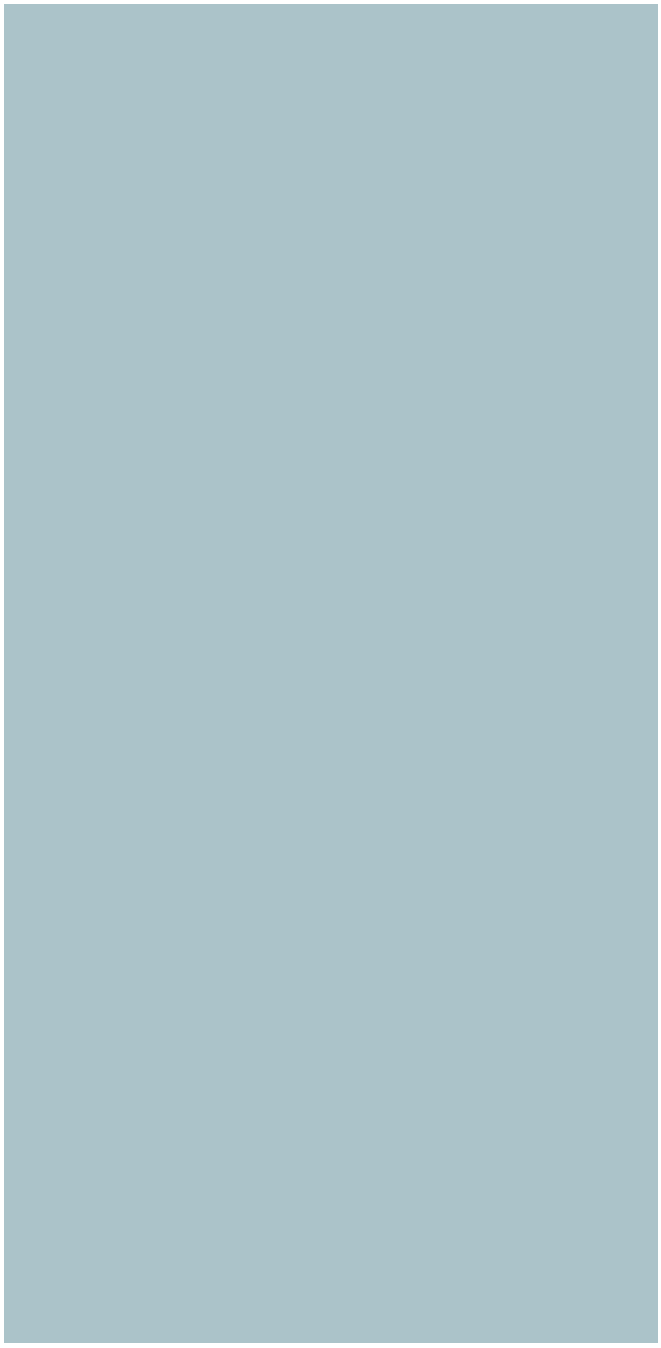
Strategic significance		
Strategic significance	**Strategic significance**	**Strategic position multiplier**
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1

Required Action to Meet Trading Rules
Same distinctiveness band or better

Spatial risk multiplier
Spatial risk category
Compensation inside LPA boundary or NCA of impact site

Ecological baseline	Retention category biodiversity value					
Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost
0.66	0	0.15	0	0.66	0.00	0.00
0.66	**0.00**	**0.15**	**0.00**	**0.66**	**0.00**	**0.00**

Comments			
User comments	**Consenting body comments**	**GIS reference number**	**Off-site reference**
Existing northern boundary hedgerow of off-site grassland field unit. Potential to be enhanced through filling gaps and tree planting, and management in the long-term.			



Project Name: Storthes Hall Student Village,

E-3 Off-Site Hedge Enhancement

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

Baseline ref	Baseline habitat	Length (km)
1	Native hedgerow	0.15

Baseline habitats			
Baseline distinctiveness band	**Baseline distinctiveness score**	**Baseline condition category**	**Baseline condition score**
Low	2	Moderate	2

Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units	Required Action to Meet Trading Rules
Medium strategic significance	1.1	0.66	Same distinctiveness band or better

Hedg
Total Net Unit Change
Total Net % Change
Trading Rules Satisfied

Proposed (Pre-Populated but can be overridden)	Change in dist
	Distinctiveness movement
Native hedgerow with trees	Low - Medium

erow summary
0.46
Check Data ⚠
Yes ✓

tinctiveness and condition		Distinctiveness	
Condition movement	Length (km)	Distinctiveness	Score
Lower Distinctiveness Habitat - Moderate	0.15	Medium	4
	0.15		

Post develo

Change i

Condition		Strategic significance	
Condition	**Score**	**Strategic significance**	**Strategic significance**
Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance

ɔpment/ post intervention habitats

in distinctiveness and condition

	Temporal		
Strategic position multiplier	**Standard Time to target condition (years)**	**Habitat enhanced in advance (years)**	**Delay in starting habitat enhancement (years)**
1.1	10	0	0

multiplier

Standard or adjusted time to target condition	Final time to target condition (years)	Final Time to target multiplier	Standard difficulty of enhancement
Standard time to target condition applied	10	0.700	Low

Difficulty risk multipliers		
Applied difficulty multiplier	**Final difficulty of enhancement**	**Difficulty multiplier applied**
Standard difficulty applied	Low	1

Spatial risk multiplier	
Spatial risk category	**Hedge units delivered**
Compensation inside LPA boundary or NCA of impact site	1.12
	1.12

Comments	
User comments	**Consenting body comments**
Existing hedgerow to be enhanced through filling gaps and tree planting. Achieving higher distinctiveness habitat but remaining as Moderate condition as to not overvalue.	

GIS reference number	Off-site reference