**GENERAL FISHERIES COMMISSION FOR
THE MEDITERRANEAN
COMMISSION GÉNÉRALE DES PÊCHES
POUR LA MÉDITERRANÉE**

**SAC GFCM
Sub-Committee on Stock Assessment**

SCSA Assessment Forms

> Enter <

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PLEASE READ CAREFULLY BEFORE STARTING THE DATA ENTRY

Macro - Security settings

In order to ensure the proper full working of this Data Entry System, **the macros must be allowed to run**.

To change the security settings, please go to: **Tools > Macro > Security** and then select the **Medium** level. Close and re-open the file.

Now you are ready to start by clicking on the Cover button!

Control toolbox settings

To visualize the **Control toolbox** go to: **View > Toolbars > Control toolbox**
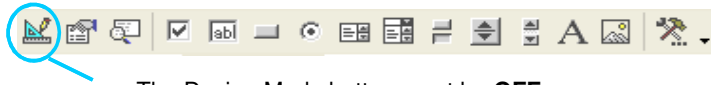
The Design Mode button must be **OFF**.

WARNINGS

⚠ Please do not try to **Delete, Rename, Move** or **Copy** any Excel Worksheets.

⚠ Right now it is not possible to **Print** the completed worksheets only.

⚠ Once the data entry process is completed, the **file size** will be increased significantly. Before sending it by email, please compress the file by using any zip tool available in your pc.

Colours and symbols meaning

WORKSHEETS

Green	►	Not compulsory sheet
Orange	►	Compulsory sheet
Red	► █	Not completed sheet
Bright green	► █	Completed sheet

CELLS

Black asterisk	► *	Compulsory sheet/field
Turquoise	► [*]	Compulsory field not yet complited
White	► [ ]	Free cell
Light green	► [ ]	Cell with the scroll-down menu
Light yellow	► [ ]	Auto-complete cell

Excel shortcuts

SCSA Assessment Forms

Ctrl + C   Copy
Ctrl + V   Paste
Ctrl + X   Cut
Ctrl + Z   Undo
Ctrl + P   Print
Alt + Enter Line break within a cell

For more detailed information about Excel shortcut and function keys, please refer to the Microsoft website. **> CLICK HERE <**

SCSA Assessment Forms Release 2 (2007) beta version

Since the SAC, and SCSA, inception (1999) a set of assessment forms were made available to scientists in order to provide a common framework to present assessments.

It has been decided to present a new release of these forms to facilitate their use. We took advantage of these upgrade to modify and amend some aspects. We would like to receive comments and suggestions from the users in order to improve the forms.

The structure of this new release is basically the same. The differences are:
- • Migration from Word to Excel
- • Some fields (yellow) are filled automatically
- • Some sheets have been added
  - o A cover sheet with title, authors, species and GSAs
  - o A new sheet "other" allowing to include assessments based on methodologies other than the usual ones.
  - o An abstract sheet to be included (copy/paste) in the SCSA report
- • It is more clear what sheets or fields are compulsory to fill
- • The sheets for direct methods have not been yet upgraded

Excerpts from the presentation of 1st version of the assessment forms (1999), however the sheet "other" can be used in such a case

Each assessment consists of several sheets. Each assessment will take, at least, one sheet of paper numbered "0" (Sheet #0) and will also include no less than one copy of sheets "B", "P1" and "P2a" (now using the current "operational units" terminology). It is not compulsory to fill out any of the other sheets that make up this assessment form, but the person in charge is supposed to fill out some of them: otherwise no assessment is actually made. There may be more than one copy in several cases. Sheets "D" (diagnosis) and "Z" (conclusions and recommendations) should be considered as essential too.

Sheet	Title	Contents	# of sheets	Priority
0	Preliminary basic data on the assessment	Species, person in charge, date and code. All the sheets that belong to the same assessment share this code.	1	Indispensable
B	Biology of the species	Biological parameters used in the analyses (it is assumed that only one set of parameters is used).	1	Indispensable
P1	General information about the fishery	Catches by gear and associated fleet.	1 or more	Indispensable
P2a	Fishery by Operational Unit	Time series for the operational in question, including structure by size (or age).	At least as many as the OU numbers	Indispensable
P2b	Fishery by Operational Unit	Accompanying species and regulations applicable to opertaonal unit.	At least as many as the OU numbers	If available
G	Indirect methods: global model	Description of model, data, parameters and results of each analysis.	As many as used in the analysis	If available
A1	Indirect methods: VPA, LCA	Description of model used and of general results of an analysis.	As many as used in the analysis	If available
A2	Indirect methods: data	Description of data used by gear for the analysis in A1.	As many as used in the analysis by OU	If available, requires A1
A3	Indirect methods: results of VPA	Detailed description of results by gear, structured by size or age.	As many as used in the analysis by OU	If available, requires A1
Y	Indirect methods: Y/R	Description of model, data, parameters and results.	As many as used in the analysis	If available
Other	Other assessment methods	Description of model, data, parameters and results of other assessment methods not included in the previous sheets.	1	If available
D	Diagnosis	Synthesis of results of analyses and diagnosis on the state of	1	Indispensable

		resources.		
Z	Objectives and recommendations	Set the objectives to be attained and recommendations for their attainment.	1	Indispensable
C	Comments	At the option of the person in charge.	Unspecified	If available

SAC GFCM - Sub-Committee on Stock Assessment (SCSA)	
Assessment form	**Sheet P2b** **Fishery by Operational Unit**

Code: DPS0610J.L

Page 1 /

Data source*		OpUnit 1*	ESP 06 E 03 33 - DPS

Regulations in force and degree of observance of regulations

- Fishing license : fully observed
- Engine power limited to 316 KW or 500 HP: not fully observed
- Mesh size in the codend (40 mm stretched): fully observed
- Fishing forbidden within upper 50 m depth: not fully observed
- Time at sea (12 hours per day and 5 days per week): fully observed
- Minimum landing size (20 mm CL), (EC regulation 1967/2006):mostly fully observed

Accompanying species

- *Conger conger*
- *Galeus melastomus*
- *Helicolenus dactylopterus*
- *Lepidopus caudatus*
- *Lepidorhombus spp.*
- *Lophius spp.*
- *Merluccius merluccius*
- *Micromesistius poutassou*
- *Mullus barbatus*
- *Mullus surmuletus*
- *Nephrops norvegicus*
- *Octopus vulgaris*
- *Pagellus bogaraveo*
- *Phycis blennoides*
- *Scyliorhinus canicula*
- *Scorpaena spp.*
- *Trisopterus minutus capelanus*

SCSA Assessment Forms
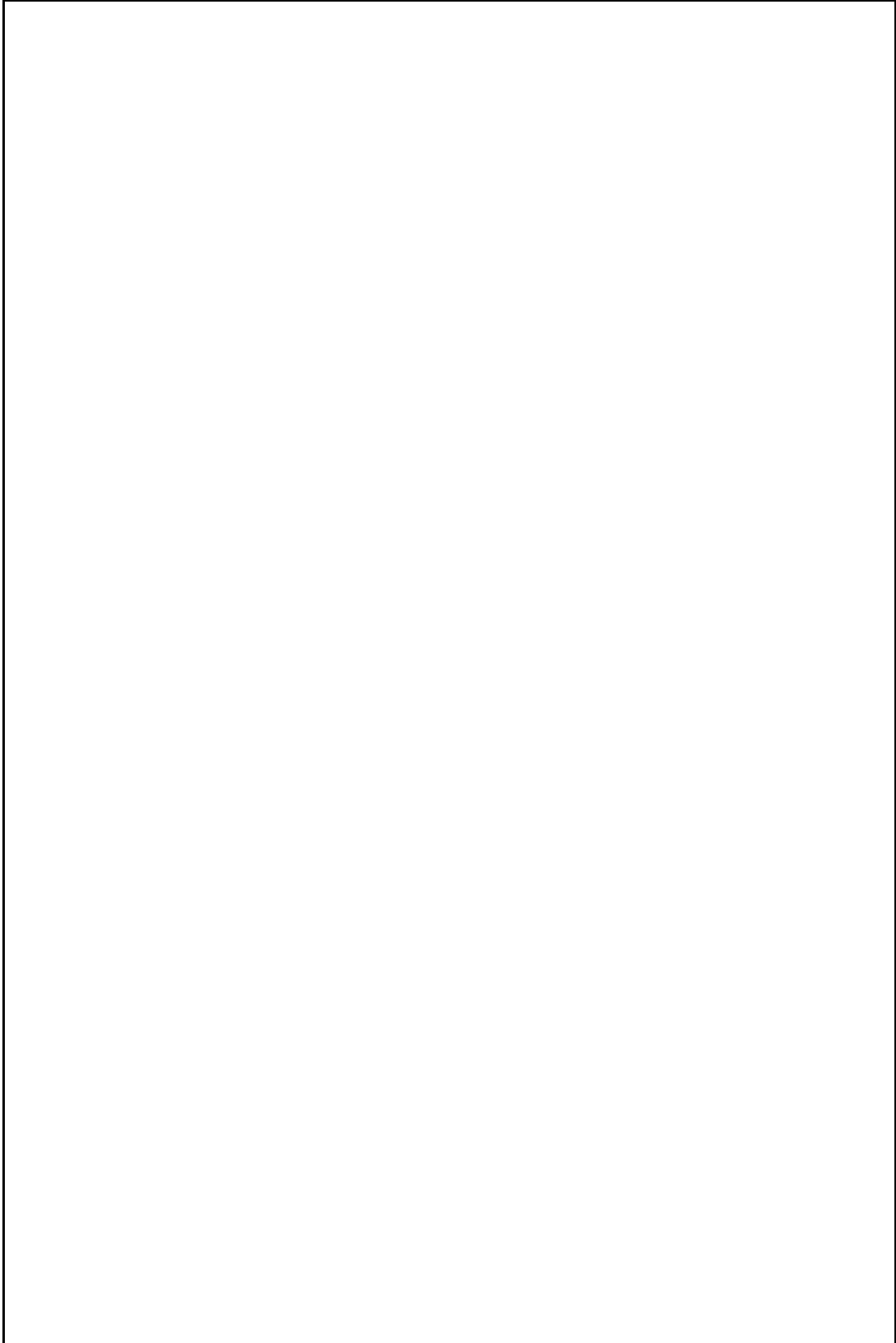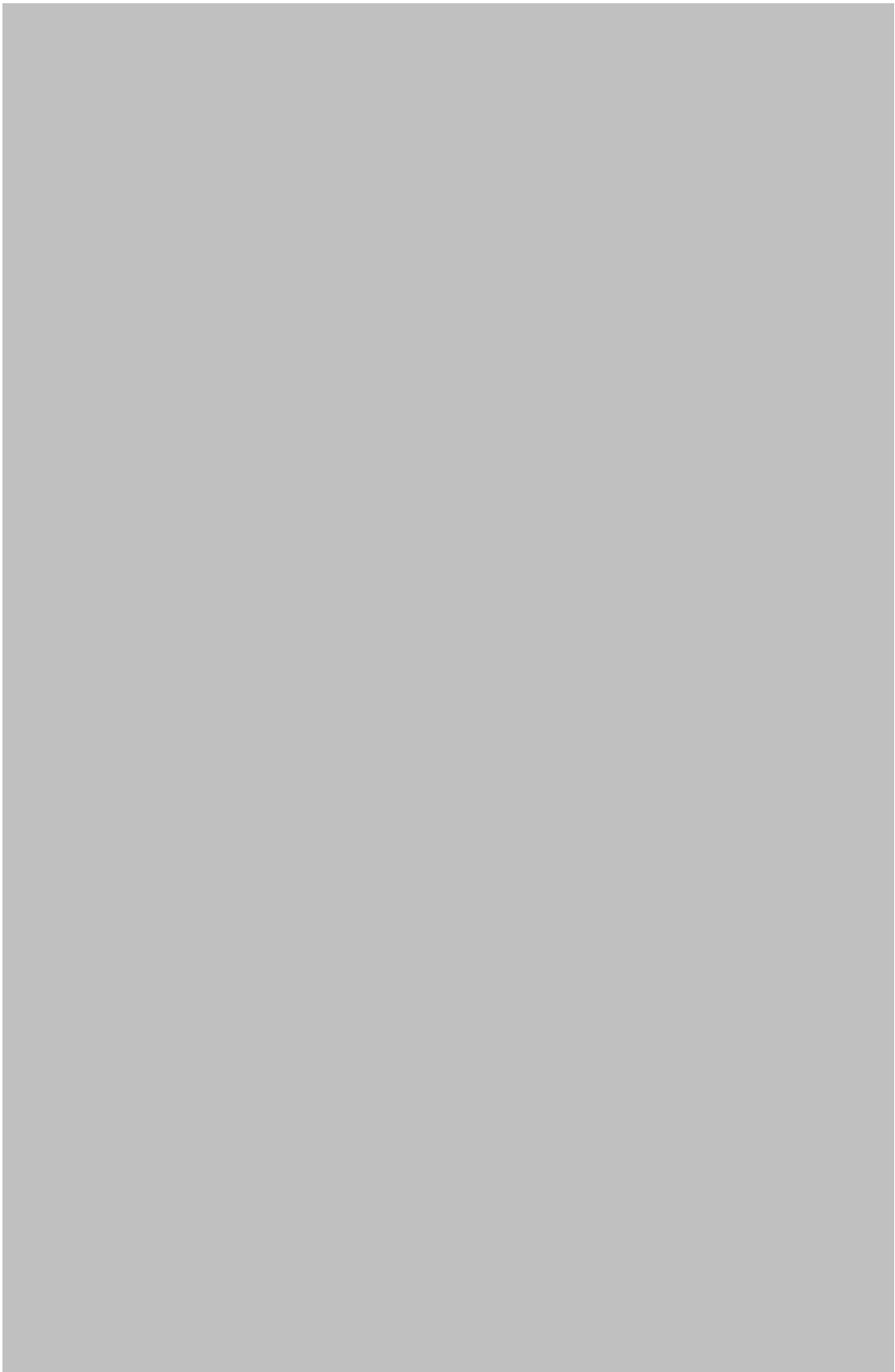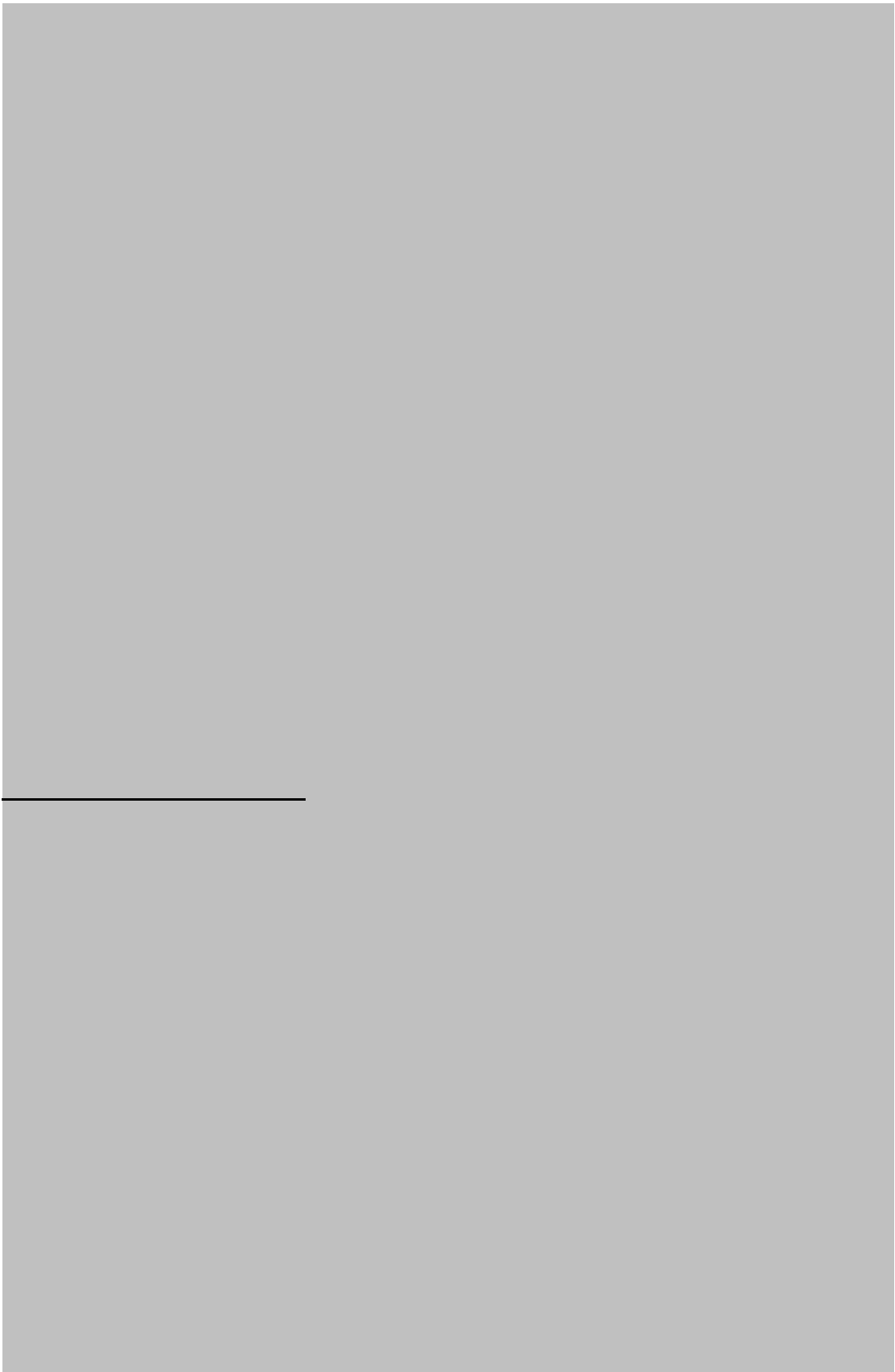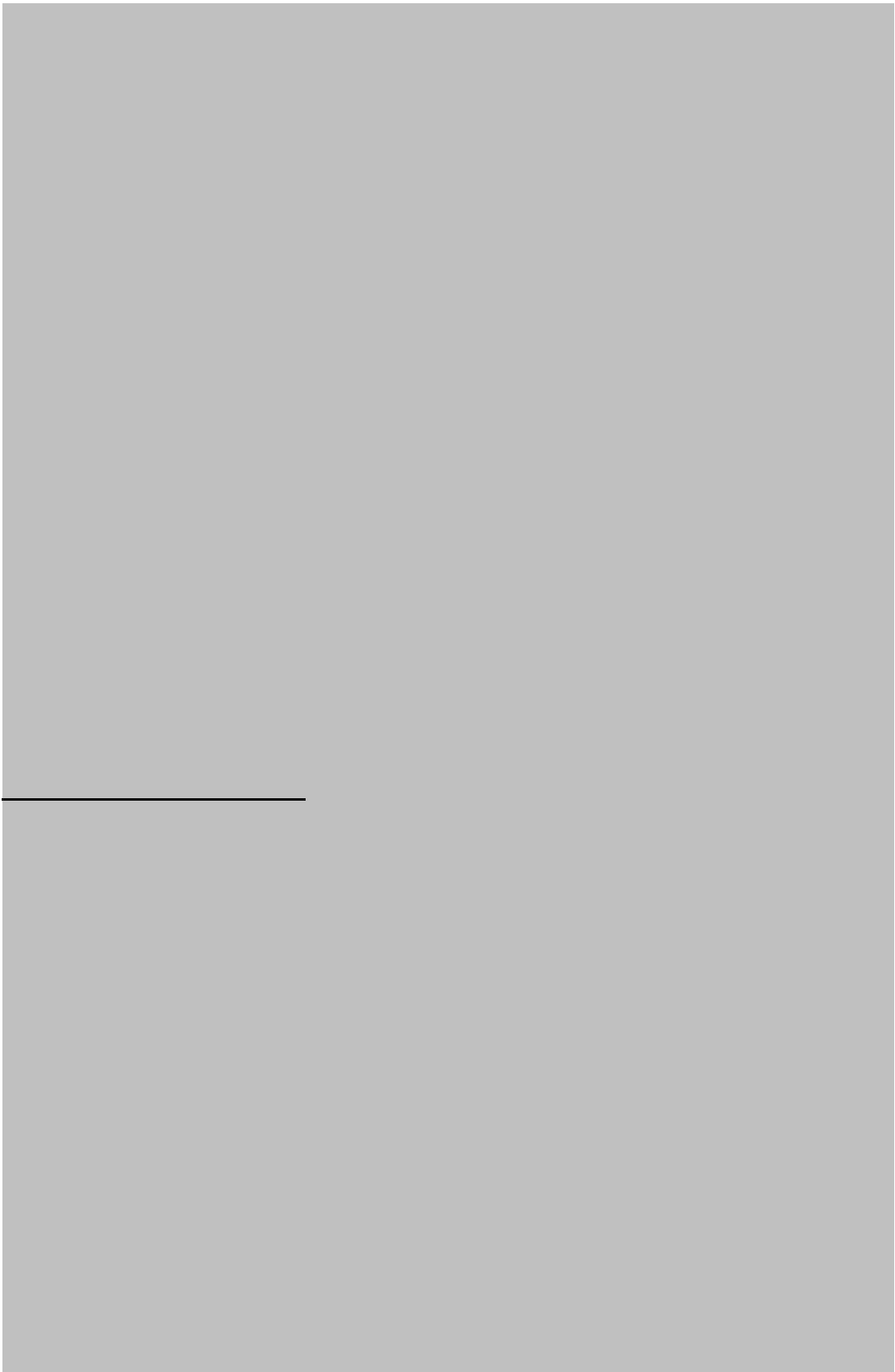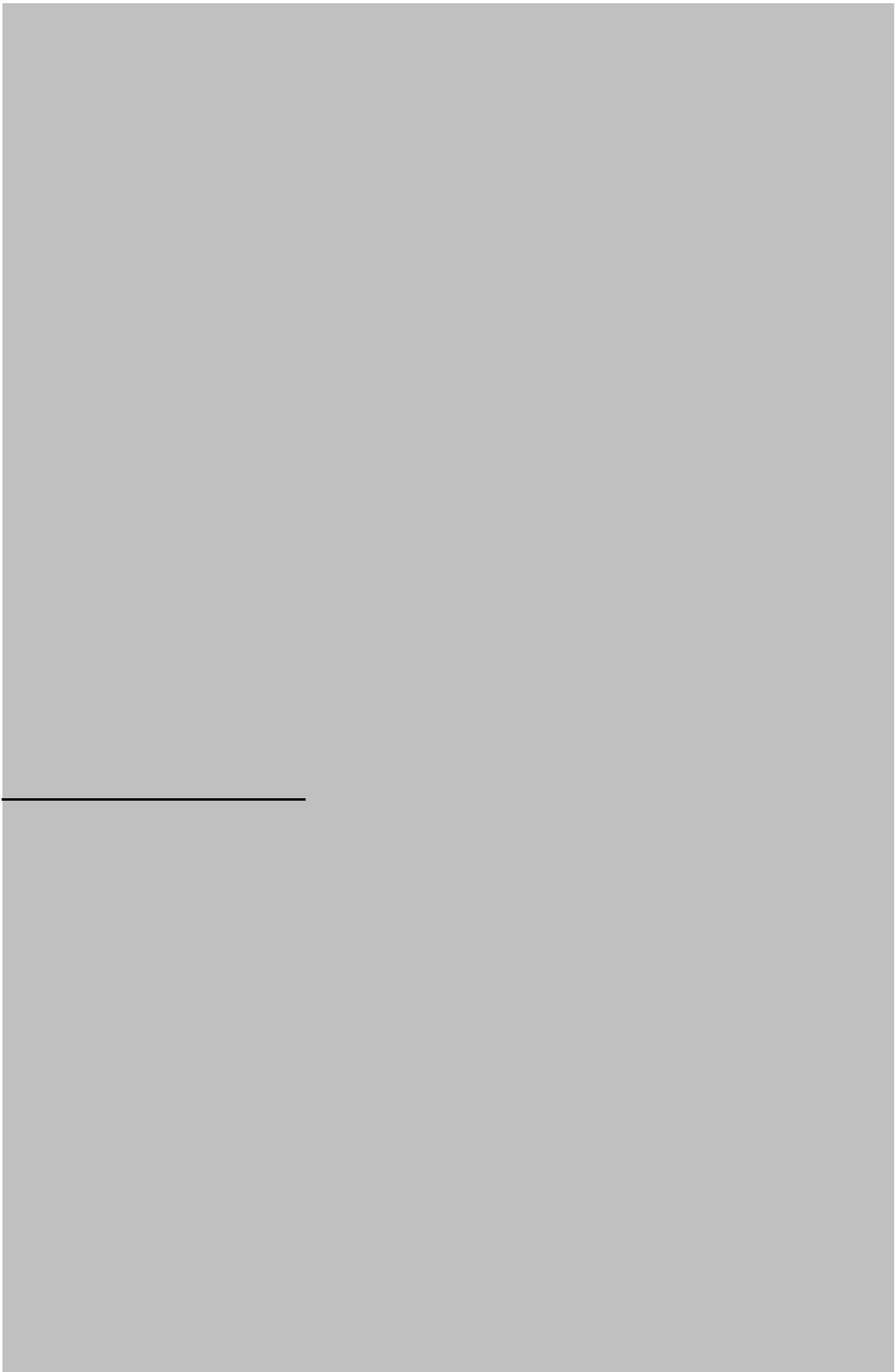
Code: DPS0610J.L

Analysis #*	

Page 1 /

Data source*		Gear*	

Model characteristic

Type of model*		Fitting criterion	
Software		Bibliographical source	

Data

Year						
Catch						
Effort						
CPUE						

Year						
Catch						
Effort						
CPUE						

Adjustment

RMS	
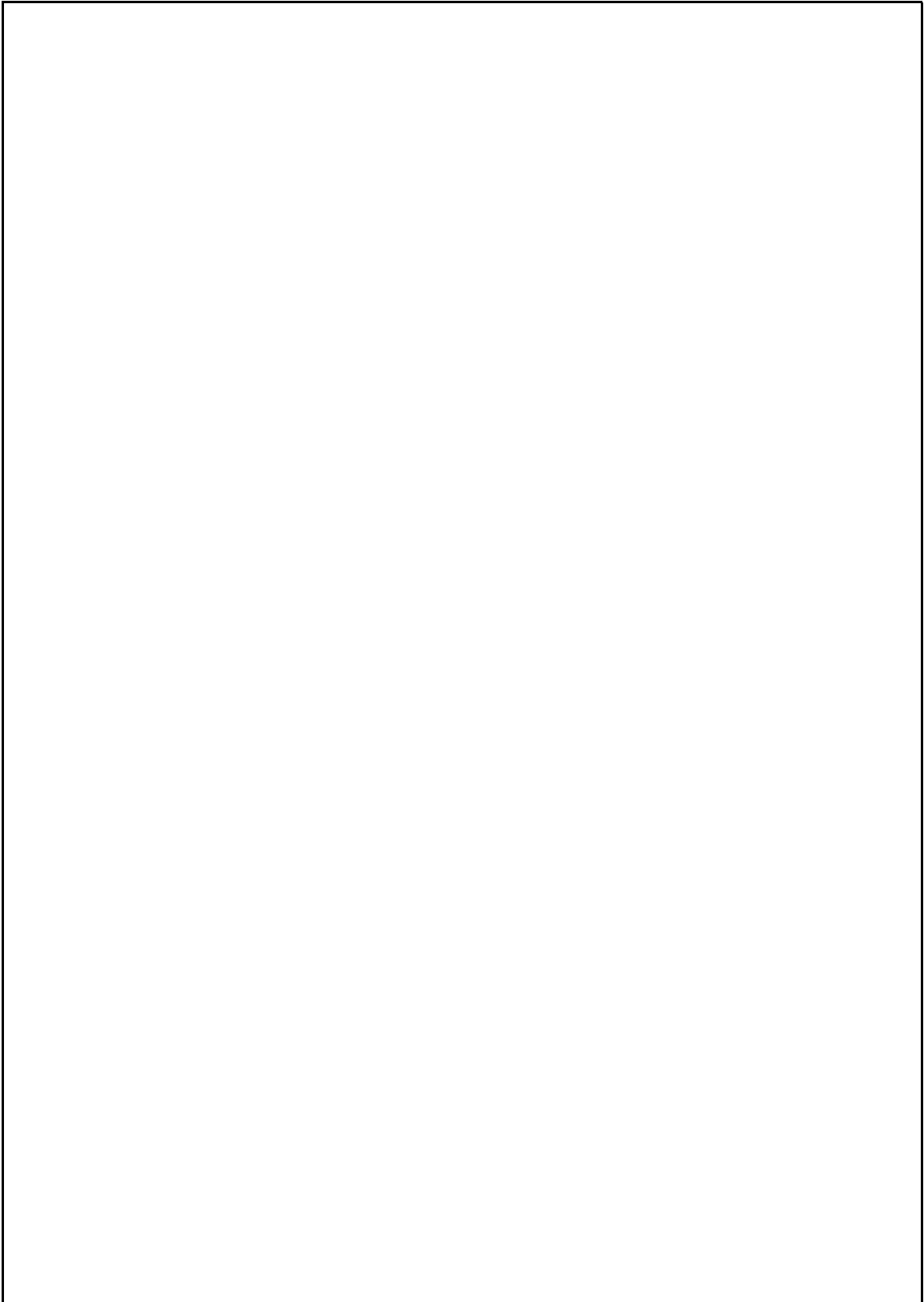
Results

Carryng capacity		a	
Growth rate		b	
Catchability			
MSY			
EMSY		TACMSY	
E0.1		TAC0.1	
Ecurrent			

Comments

Comments
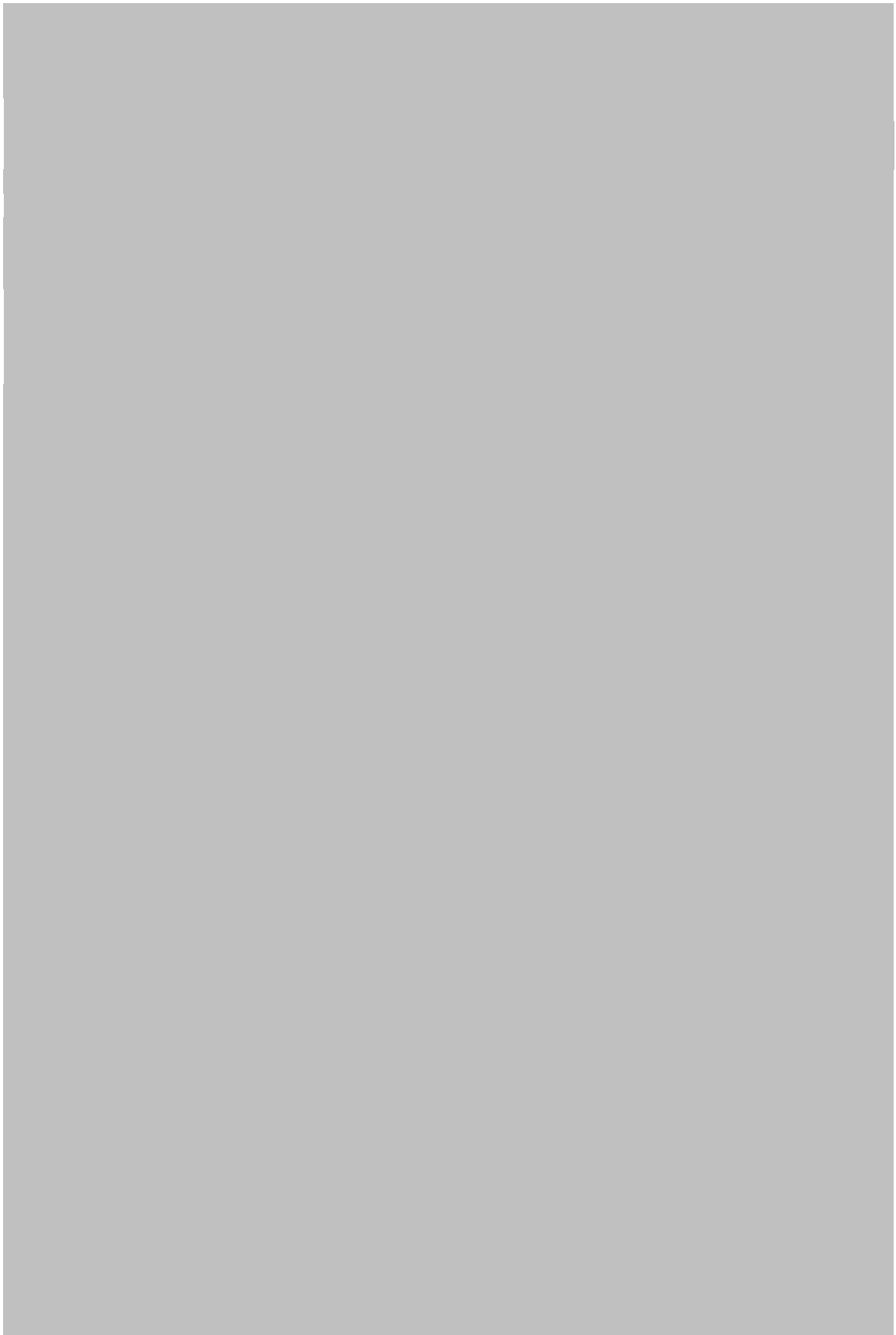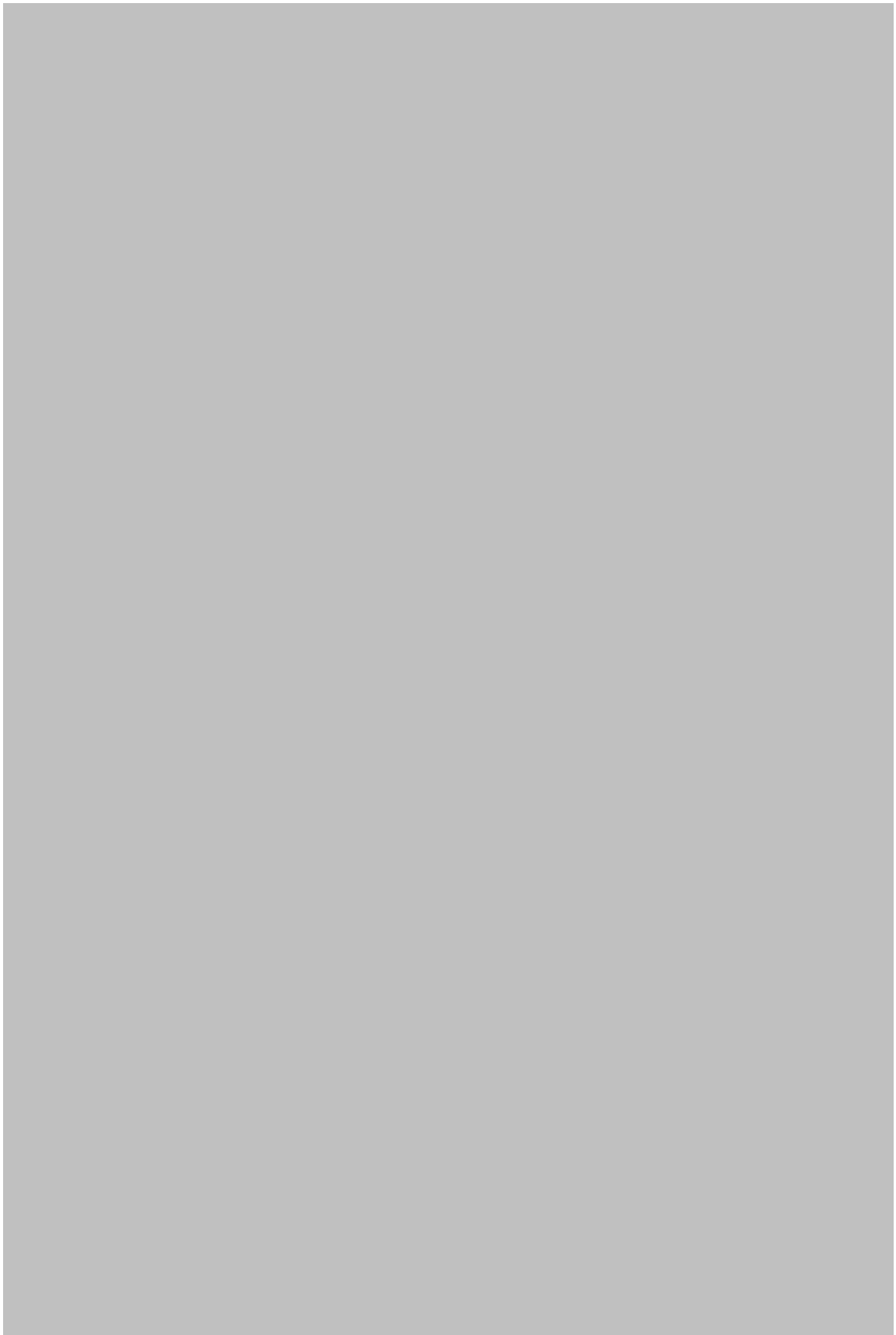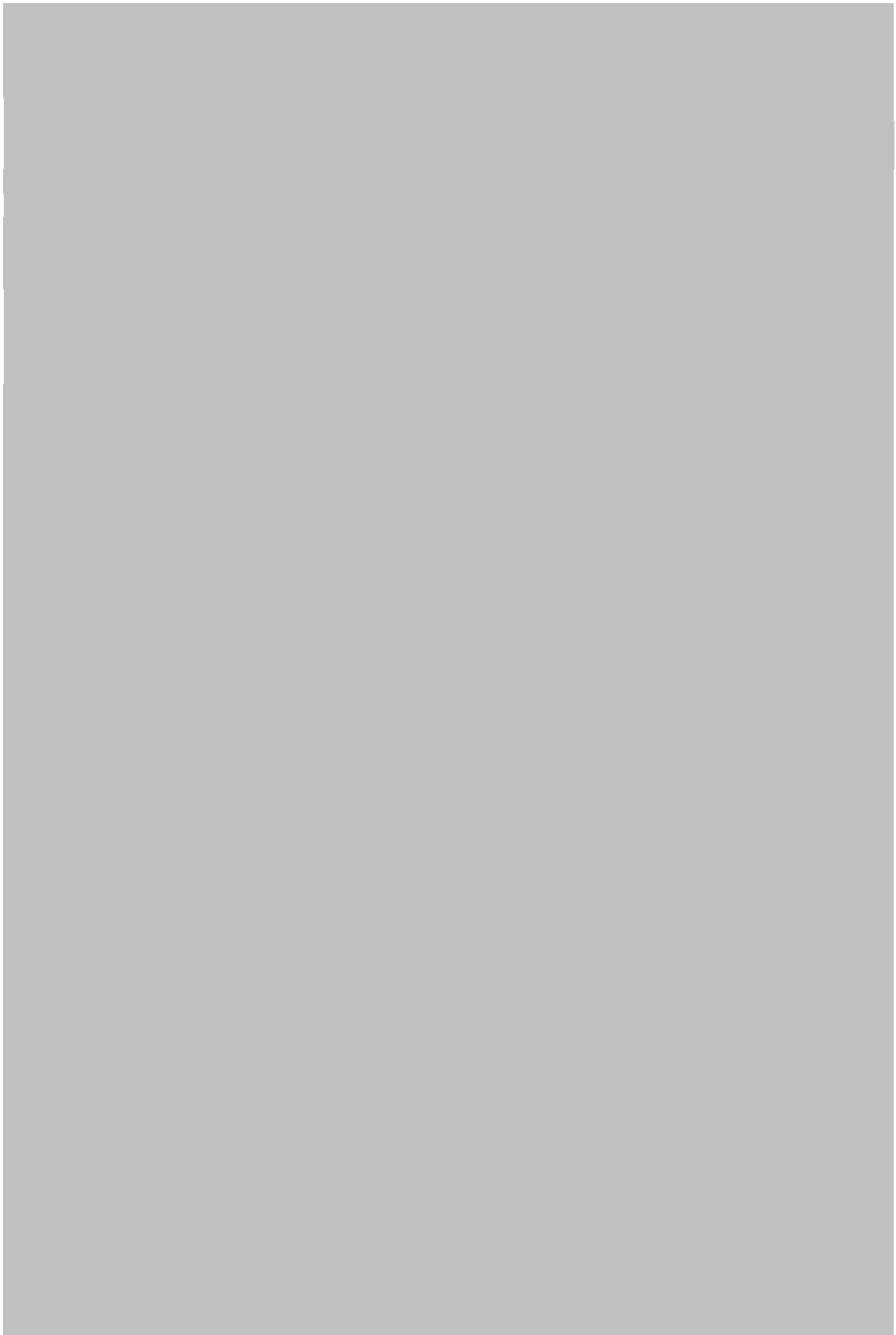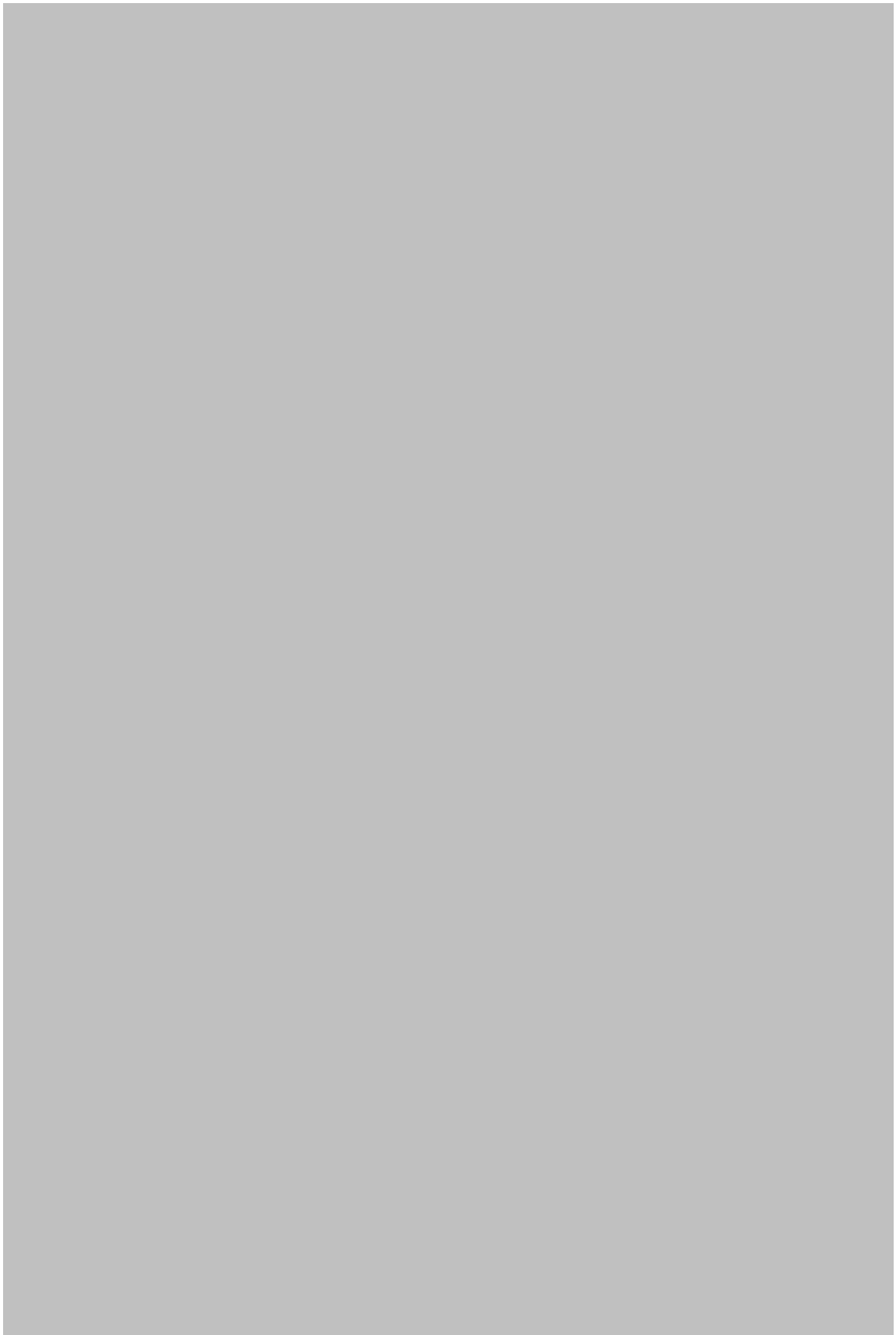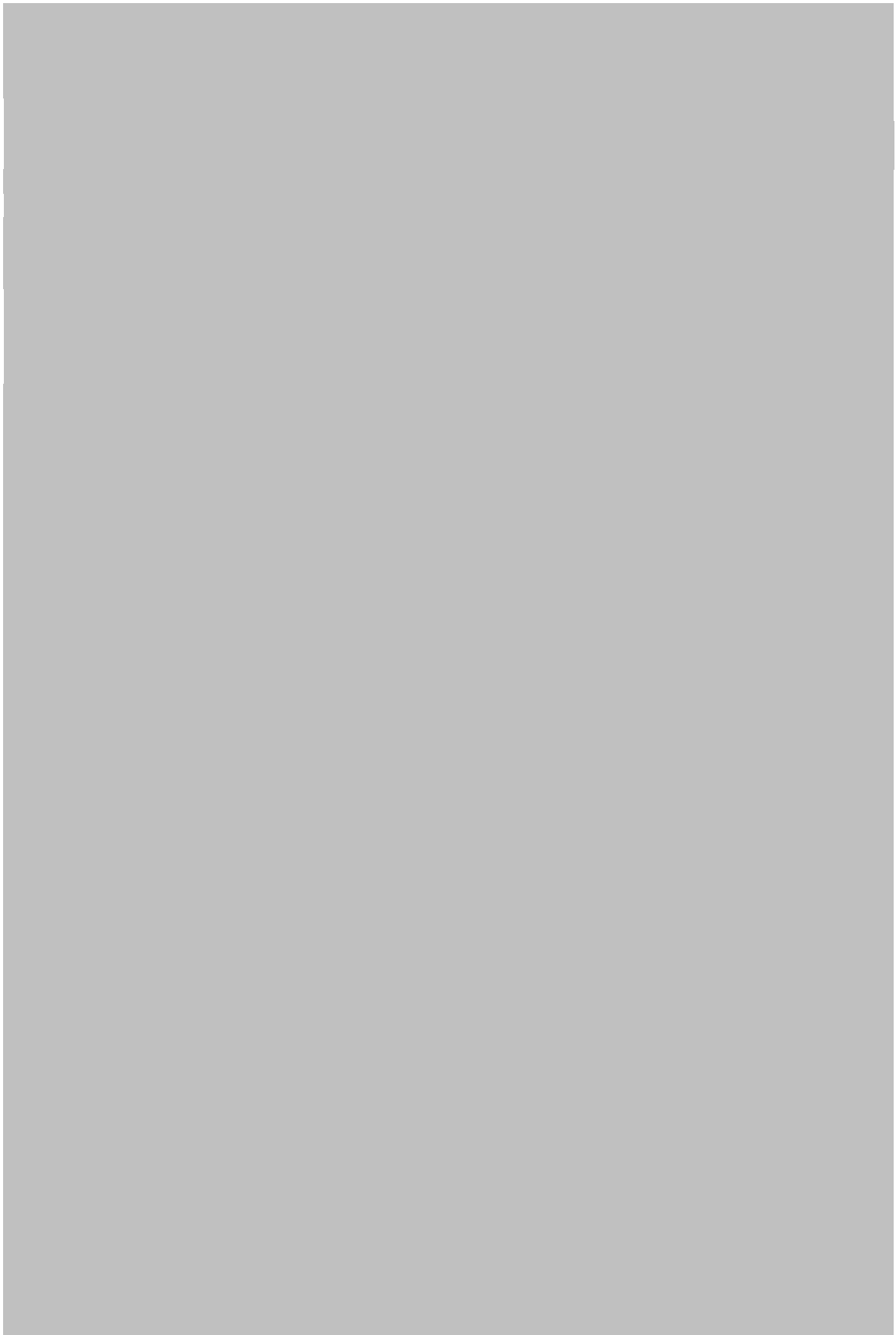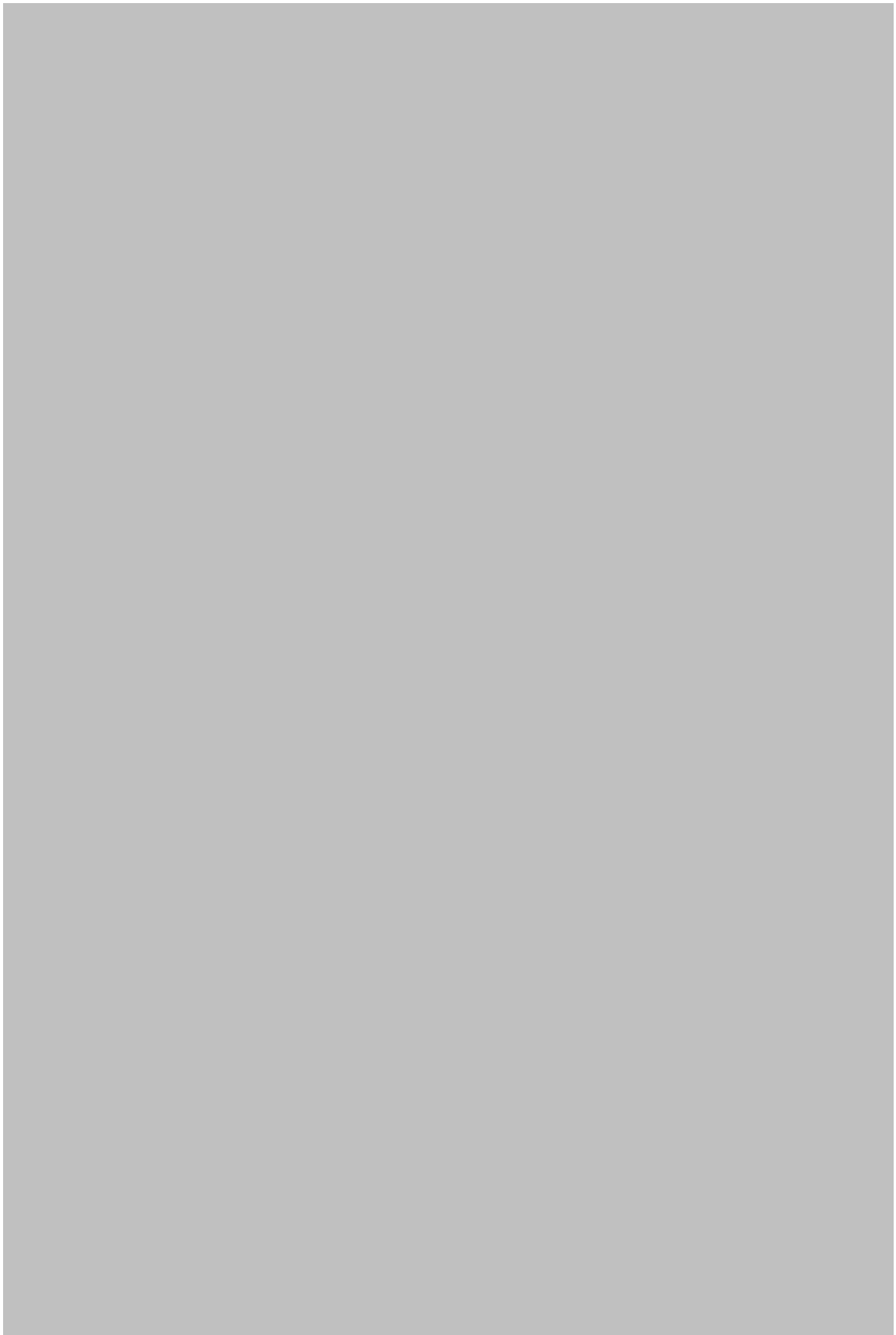
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Assessment form

Sheet Y

Indirect methods: Y/R

Code: DPS0610J.L

Sex	U

Analysis #	

# of gears		Software	Excel sheet

Parameters used

Vector F	0.0001 - 0.112 - 1.243 - 1.468 - 1.546 - 1.556 -1.2 -1.175
Vector M	1.25 - 0.82 - 0.39 - 0.28 - 0.24 - 0.22 - 0.21 - 0.2
Vector N	
age	0 - 7+
Fref	FBAR 2-4

Model characteristics

From calculated mean weights

Results

	Total	Gear			
Current YR	1.158	gr			
Maximum Y/R	1.159	gr			
Y/R 0.1	1.036	gr			
F_{max}	$F_{factor} = 2$	$F_{ref} = 2.726$			
$F_{0.1}$	$F_{factor} = 0.22$	$F_{ref} = 0.30$			
Current B/R					
Maximum B/R					
B/R 0.1					
$F_{ref = FBAR2-4}$	$F_{factor} = 1$	$F_{ref = 1.37}$			

Comments

The results of the Y/R analysis, show a scheme not so close to the overexploitation, as in others short-lived species occurs, such as the deep-water shrimp. Yeld reach asymptotic values at a effort level double than actual. Nevertheless SSB values decrease quickly above actual effort level. Using F01 as limit management reference point, the $F_{ref} = F_{BAR2-4}$ (1.37) exceeds the Y/R $F_{0.1}$ reference point (0.30), which indicates that the stock is overexploited.

Comments
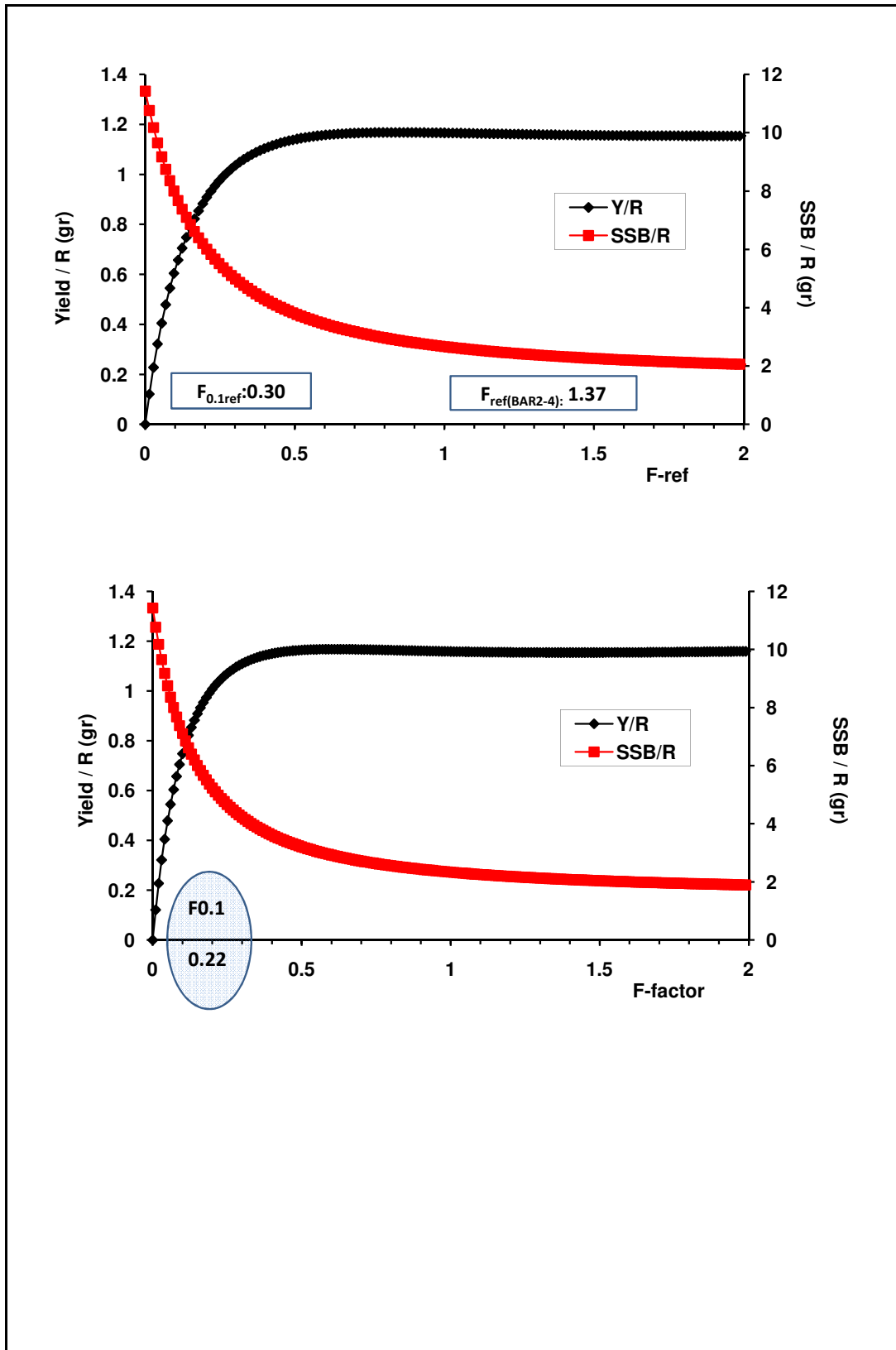
$F_{0.1ref}$:0.30

$F_{ref(BAR2-4)}$: 1.37

F0.1

0.22

Other assessment methods

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Assessment form

Sheet C
Comments

Code: DPS0610J.L
Page 1 /

Comments*
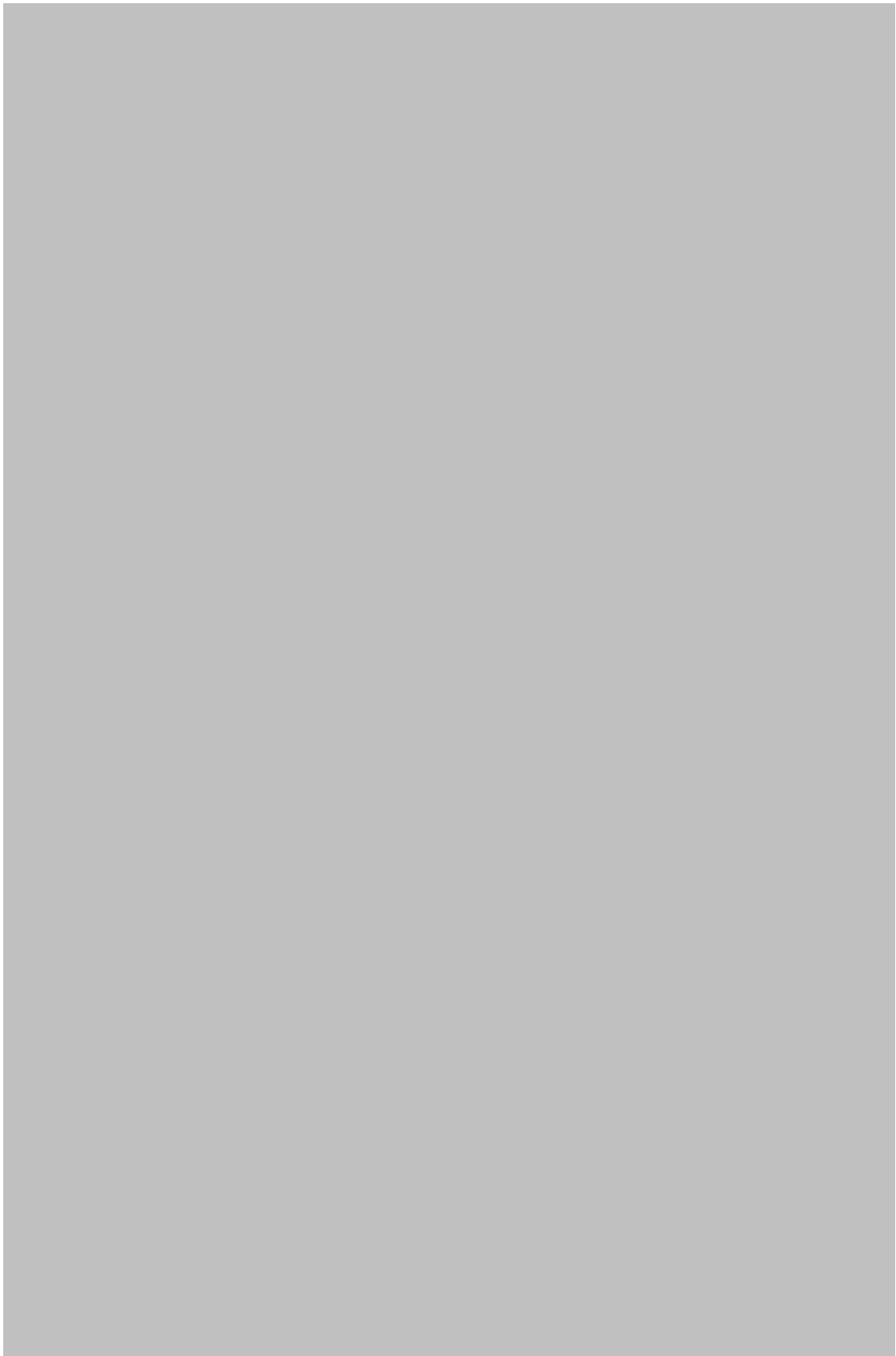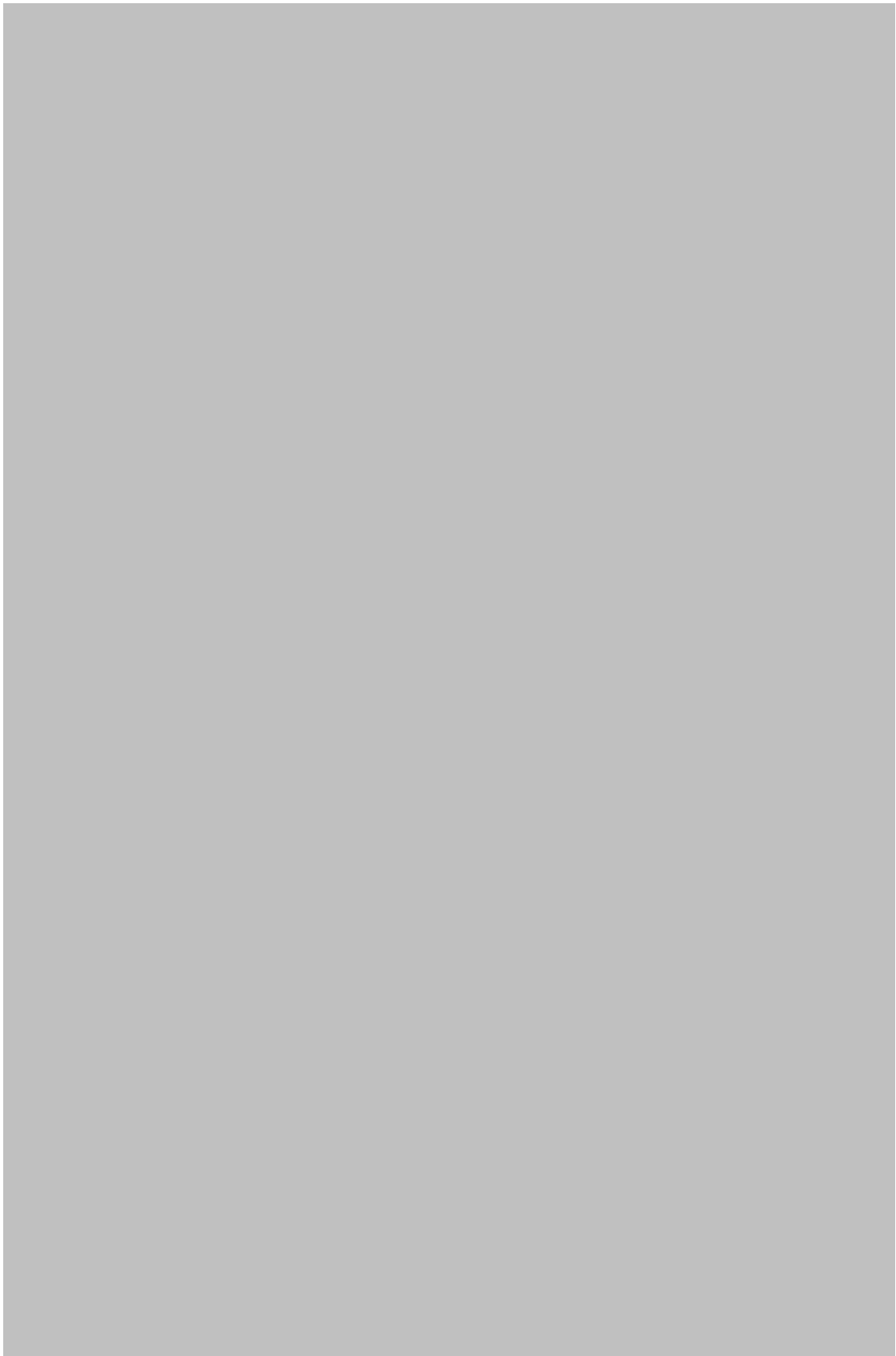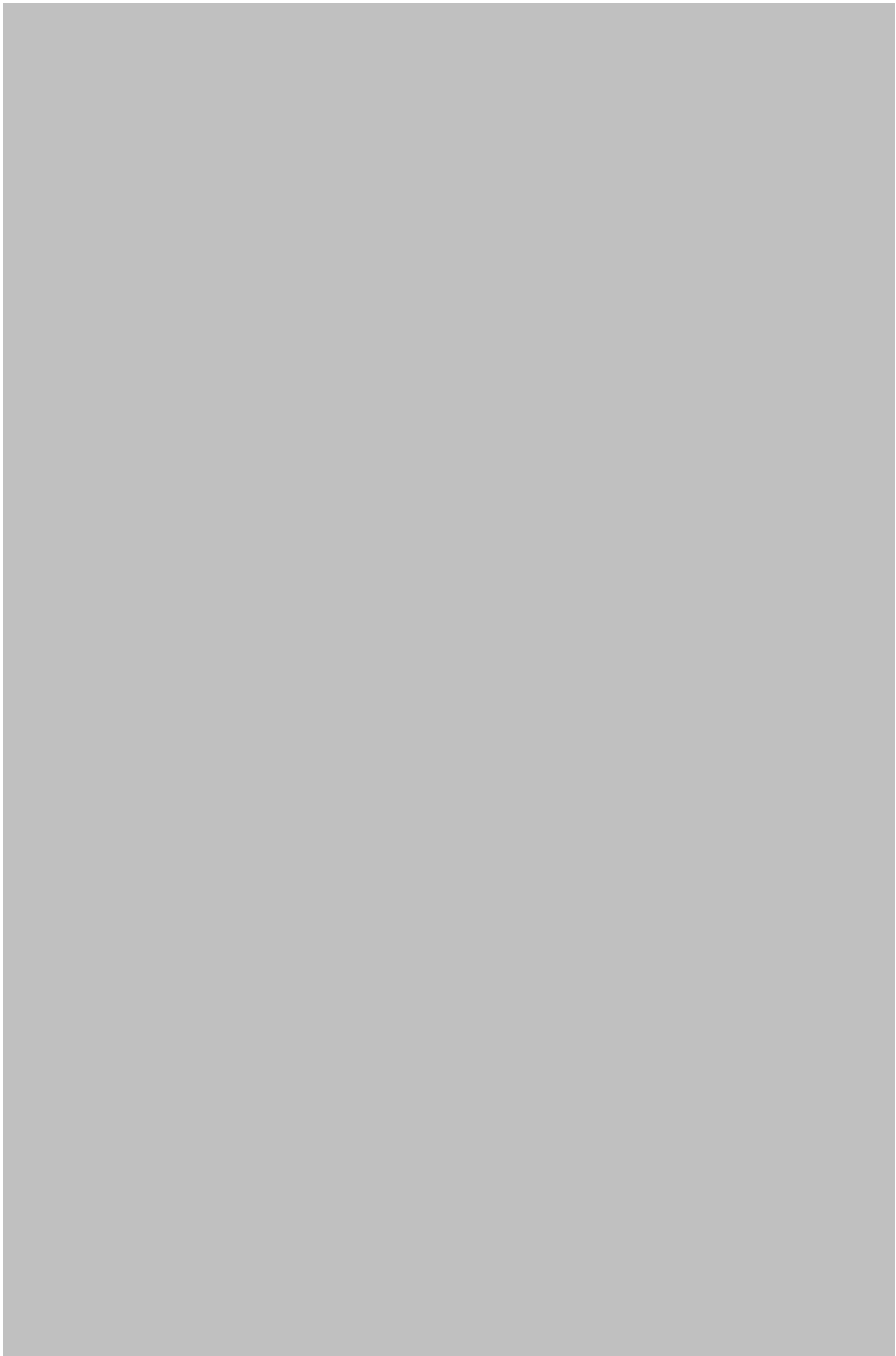
GFCM Task 1 reporting

Assessment of Deep-water pink shrimp (Parapenaeus longirostris - DPS) from 06 - Northern Spain.
J.L. Pérez-Gil1, M. García-Rodríguez2, A.M.Fernández3 and A.Esteban3.

Description of fishery: Deep-water pink shrimp (Parapenaeus longirostris) is one of the most important crustaceans species for the trawl fisheries developed along the GFCM geographical sub-area Northern SPAIN (GSA-06). This resource is an important component of commercial landings in some ports of the Mediterranean Northern Spain and occasionally a target specie of the trawl fleet, around 260 vessels, which operate on the upper slope. During the last years, a sharp increase in landings was observed, starting in 1998 and reaching the maximum value in 2000, followed by a decreased trend during the period 2001-2004. During de period 2005-2009 stabilization in catches is observed whit an average of 110 t for this period. In 2009 the annual landings of this species amounts 116 tons in the whole area.

Source of management advice: The state of exploitation was assessed for the period 2001-2009 for the GFCM geographical sub-area Northern Spain (GSA-06). A VPA tunned with CPUE from commercial fleet and abundance indices from MEDITS trawl surveys, was carried out applying the Extended Survivor Analysis (XSA) method (Lowestoft program; Darby and Flatman, 1994) over the period 2001-2009. This methods were performed from size composition of trawl catches (obtained from on board and on port monthly sampling) and official landings (In this assessment has been used a new catch data set from regional governments) transforming length data to age data by slicing. Available CPUE data series, both of commercial fisheries, from Santa Pola fleet, and scientific survey MEDITS were used.

Exploitation rate: High fishing mortality

Stock abundance: Low abundance

Comments: .

The results in this assessment show a decreasing trend both in landings and total biomass of the stock from 2001 to 2004 and 2003 respectively. Landings, biomass and SSB values remain stabilized for the last 6 years whit light fluctuations. Although these values are low compared with 2001 values (the highest in the series).
Exploitation is based on very young age classes, mainly 2 and 1 year old individuals, indicating a dependence on recruitments which remained rather constant from 2001 to 2009 in a range of 80-120

Management advice and recommendation:

Ojectives :

To reduce growth overfishing:
- Reduce the effort of trawl.
- Improve the fishing pattern of the trawl to arise the minimum length of
  catches equal the minimum legal landing size.

Advice for scientific research: The oscillation found for this species is in agreement with other areas of the Mediterranean. Is assumed that environmental conditions can affect the stock in addition the fishing mortality.

This stock could be strongly driven by environmental and ecological factors (e.g. water temperature,

predatory release effect) that can make difficult to evaluate the effect of fishing on the stock.