

MAIN ASSESSMENT WORKSPACE

AS-ISK v2.3.3 - Main Assessment Workspace

ID	Cat	Risk assessment area	Taxon name	Common name	Assessor	Answered	Thresholds	BRA Score	BRA Outcome	BRA+CCA Score	BRA+CCA Outcome	Date and Time
1	7	Northern Gulf of Mexico	Conger verreauxi	southern conger eel	Mike Norberg, Alex F	55/55	12.5;12.5	13	High	13	High	11/02/21 15:01
2	7	Northern Gulf of Mexico	Dendrochirus barberi	Hawaiian lionfish	Timothy J. Lyons	55/55	12.5;12.5	6	Medium	6	Medium	18/07/17 13:43
3	7	Northern Gulf of Mexico	Dendrochirus biocellatus	twospot turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	3	Medium	3	Medium	02/03/17 11:53
4	7	Northern Gulf of Mexico	Dendrochirus brachypterus	dwarf lionfish	Timothy J. Lyons	55/55	12.5;12.5	12	Medium	12	Medium	15/08/17 19:10
5	7	Northern Gulf of Mexico	Dendrochirus zebra	zebra turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	10	Medium	10	Medium	09/08/17 13:16
6	7	Northern Gulf of Mexico	Fundulus heteroclitus heterod	mummichog	Jessica Dutton	55/55	12.5;12.5	14	High	14	High	09/07/21 20:43
7	7	Northern Gulf of Mexico	Heniochus diphreutes	false Moorish idol	Justin Procopio	55/55	12.5;12.5	7	Medium	9	Medium	20/06/21 17:36
8	7	Northern Gulf of Mexico	Lythyrpnus dalli	bluebanded goby	Mike Norberg, Alex F	55/55	12.5;12.5	4	Medium	4	Medium	11/02/21 15:00
9	7	Northern Gulf of Mexico	Muraenesox cinereus	dogtooth pike conger	Justin Procopio	55/55	12.5;12.5	15	High	23	High	21/06/21 08:15
10	7	Northern Gulf of Mexico	Parapterois heterura	blackfoot firefish	Timothy J. Lyons	55/55	12.5;12.5	4	Medium	4	Medium	09/08/17 11:27
11	7	Northern Gulf of Mexico	Platix orbicularis	orbicular batfish	David Reeves	55/55	12.5;12.5	17	High	17	High	16/06/21 07:02
12	7	Northern Gulf of Mexico	Pterois antennata	broadbarred firefish	Timothy J. Lyons	55/55	12.5;12.5	9	Medium	9	Medium	27/07/17 16:05
13	7	Northern Gulf of Mexico	Pterois cincta	Red Sea lionfish	Timothy J. Lyons	55/55	12.5;12.5	5	Medium	5	Medium	09/08/17 16:59
14	7	Northern Gulf of Mexico	Pterois lunulata	luna lionfish	Timothy J. Lyons	55/55	12.5;12.5	12	Medium	12	Medium	08/08/17 14:33
15	7	Northern Gulf of Mexico	Pterois mombasae	frillfin turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	7	Medium	7	Medium	09/08/17 13:28
16	7	Northern Gulf of Mexico	Pterois radiata	radial firefish	Timothy J. Lyons	55/55	12.5;12.5	5	Medium	5	Medium	28/07/17 12:14
17	7	Northern Gulf of Mexico	Pterois russelli	plantain turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	19	High	19	High	08/08/17 13:14
18	7	Northern Gulf of Mexico	Pterois sphex	Hawaiian turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	5	Medium	5	Medium	01/08/17 11:25
19	7	Northern Gulf of Mexico	Rhinopias eschmeyerii	Eschmeyer's scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	16	High	18	High	12/02/21 08:47
20	7	Northern Gulf of Mexico	Rhinopias frondosa	weedy scorpionfish	Justin Procopio	55/55	12.5;12.5	29	High	37	High	22/06/21 19:28
21	7	Northern Gulf of Mexico	Scorpaena guttata	California scorpionfish	Justin Procopio	55/55	12.5;12.5	22	High	30	High	20/06/21 17:16
22	7	Northern Gulf of Mexico	Scorpaena mystes	Pacific spotted scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	13	High	15	High	12/02/21 08:47
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24	7	Northern Gulf of Mexico	Scorpaenodes parvipinnis	lowfin scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	9	Medium	13	High	12/02/21 08:49
25	7	Northern Gulf of Mexico	Scorpaenopsis macrochir	flasher scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	14	High	16	High	12/02/21 08:48
26	7	Northern Gulf of Mexico	Scorpaenopsis neglecta	yellowfin scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	19	High	21	High	12/02/21 08:50

Category: 7 - Fishes and Lamprays (marine) Assessment no. 3

Answered: 55 Unanswered: 0 Not applicable: 0

Risk screening context

Reason and benefits: Taxonomic relation to known invader

Taxonomy: Class: Actinopterygii Order: Scorpaeniformes Suborder: Scorpaenoidei Family: Scorpaenidae Subfamily

Native range: from South Africa and Mauritius east to the Tuamotu Archipelago in French Polynesia, and from the TI

Introduced range: N/A

URL: <http://www.fishbase.se/summary/Dendrochirus-biocellatus.html>

Assessment statistics

A. Biogeography/Historical

1. Domestication/Cultivation 1.0

2. Climate, distribution and introduction risk 0.0

3. Invasive elsewhere 0.0

B. Biology/Ecology

4. Undesirable (or persistence) traits 2.0

5. Resource exploitation 0.0

Commercial 4

Environmental 1

Species or population nuisance traits 2

Confidence

BRA+CCA 0.57

BRA 0.58

CCA 0.50

Report

Database statistics

Total: 138 Assessed: 138 Incomplete: 0 Outcomes: 138 Selected: 1

Sort: Category Ascending Descending

Risk screening: Open Q&A Help

Assessment: Wizard New Edit Delete Replicate

Thresholds: New Edit Delete Replicate

Report: New Edit Delete Replicate

Utilities: New Edit Delete Replicate

Database: Save As Save Close

This dialog represents the core component of the AS-ISK v2.3 GUI, where all assessment-related data manipulation is performed.

Assessment List

This displays the entire list of assessments. Note that the maximum number of assessments in a database is currently limited to 10,000 (mainly, for reasons of Excel 'realistic' computing capabilities).

Double-clicking an assessment for which information for the required fields *Category*, *Taxon name*, *Common name*, *Assessor* and *Risk assessment area* has been provided (see *New/Edit*) will open the Q&A dialog. Conversely, double-clicking an assessment for which information for any of the required fields *Category*, *Taxon name*, *Common name*, *Assessor* and *Risk assessment area* has not (yet) been provided (as in the case of newly generated assessment(s) through the *Wizard* and *Replicate* options) will open the *New/Edit* dialog.

From the *Assessment List*, which allows multiple selection of both contiguous and non-contiguous items, the Assessor can perform the following operations:

- Single assessment selected (*Assessment (tab)*): *Edit/Delete/Replicate*; *Thresholds (tab)* – *Set/Re-set/Clear*; *Report (tab)* – *Output Separate*;
- Multiple assessments selected, either contiguously or non-contiguously (*Assessment (tab)*): *Edit/Batch Edit/Delete*; *Thresholds (tab)*: *Set/Re-set/(Re-)set/Clear*; *Report (tab)*: *Output Separate/Grouped*).

For each assessment, the following details are provided:

ID

A unique, progressive number. Notably, unlike in a relational database, this is not a unique identifier but refers to the order of items (= assessments) from the top to the bottom of the list.

Cat

The aquatic organism unique identifier for the corresponding *Category* (as provided in the *New/Edit* dialog):

1. Mammals
2. Birds
3. Reptiles
4. Amphibians
5. Fishes and Lampreys (freshwater)
6. Fishes and Lampreys (brackish)
7. Fishes and Lampreys (marine)
8. Tunicates
9. Lancelets
10. Invertebrates (freshwater)
11. Invertebrates (brackish)
12. Invertebrates (marine)
13. Animalia 'other' (freshwater)
14. Animalia 'other' (brackish)
15. Animalia 'other' (marine)
16. Plantae (freshwater)
17. Plantae (brackish)
18. Plantae (marine)
19. Protista (freshwater)
20. Protista (brackish)
21. Protista (marine)
22. Fungi (freshwater)
23. Fungi (brackish)
24. Fungi (marine)
25. Bacteria (freshwater)
26. Bacteria (brackish)
27. Bacteria (marine)

Note that the complete entry (i.e. *ID* plus *Category*) is provided in the *Category* section of this dialog.

Risk assessment area

The Risk assessment area for which the assessment is being carried out (as provided in the *New/Edit* dialog).

Taxon name

The scientific name of the taxon for which the assessment is being carried out (as provided in the *New/Edit* dialog).

Common name

The common name of the taxon for which the assessment is being carried out (as provided in the *New/Edit* dialog).

Assessor

The name of the assessor carrying out the assessment (as provided in the *New/Edit* dialog).

Answered

The number of answered Qs out of the total number ($n = 55$) of Qs making up the assessment.

Thresholds

If specified, the Basic Risk Assessment (BRA) and BRA+CCA (Climate Change Assessment) thresholds set for the assessment are displayed, else a ‘-; -’ entry is displayed (see *Thresholds (tab)*).

BRA Score

The BRA based on the 49 AS-ISK BRA Qs, with minimum and maximum possible values ranging from –20 to 68 (see *Thresholds (tab)*). Note that in case of an incomplete assessment (i.e. not all 55 Qs answered) this value is not provided.

BRA Outcome

The BRA outcome (‘Low’, ‘Medium’, ‘High’) for the BRA score if thresholds have been provided. Note that in case of an incomplete assessment (i.e. not all 55 Qs answered) this value is not provided.

BRA+CCA Score

The BRA+CCA score based on the 49 BRA Qs plus the six additional CCA Qs, with minimum and maximum possible values ranging from –32 to 80 (see *Thresholds (tab)*). Note that in case of an incomplete assessment (i.e. not all 55 Qs answered) this value is not provided.

BRA+CCA Outcome

The BRA+CCA outcome (‘Low’, ‘Medium’, ‘High’) for the BRA+CCA score if thresholds have been provided. Note that in case of an incomplete assessment (i.e. not all 55 Qs answered) this value is not provided.

Date and Time

The date and time of creation of the assessment. Notably, this entry does not update following the re-scoring phase when opening an existing database, unless no date and time were previously provided. Whereas, in case of an -ISK imported database, the current date and time are given.

Category

Shows the *Category* of the taxon in the assessment. The corresponding field turns blank in case of multiple assessment selection involving taxa in different Categories.

Assessment no.

Shows the ID for the selected assessment in the list. In case of incomplete information provided for the corresponding *Risk Screening Context*, the label turns red, else it displays in the default colour. Hovering the mouse pointer on the corresponding text will cause it to turn light blue and double-clicking will open the *New/Edit* dialog. The corresponding field turns blank in case of multiple assessment selection involving taxa in different Categories.

Questions

This section provides a summary of the number of *Answered*, *Unanswered* and *Not applicable* questions in the selected assessment from the list. In case of an incomplete assessment (i.e. with one or more Qs unanswered), all three labels turn red. Hovering the mouse pointer on the text of any of these three labels will cause them to turn light blue and double-clicking any of them will open the Q&A dialog. All three labels turn blank in case either of multiple assessment selection or of a single assessment selected containing ellipsis '...' entries for either the *Risk assessment area*, *Taxon name*, *Common name* or *Assessor* fields (as generated through the *Wizard* or *Replicate* dialogs).

Risk screening context

This displays the assessment-wise information about *Reason and socio-economic benefits*, *Taxonomy*, *Native range*, *Introduced range* and *URL*. Copying (but not editing) of text from all fields is possible. Hovering the mouse on the *URL* field turns the pointer into a 'hand' and clicking it takes to the indicated web page (provided the hyperlink is working). Hovering the mouse pointer on the text of any of these fields will cause it to turn light blue and double-clicking any of them will open the *New/Edit* dialog with the focus on the corresponding field. A text string reading 'Information not provided' displays in case of an empty field. All the above fields turn blank in case of multiple assessment selection.

Assessment statistics

This section provides a 'snapshot' of the Statistics information that is given in full in the report (see *Report (tab)*) generated for the corresponding assessment. On the left-hand side of this section, the top panel displays the information for the *Score partition*, and the bottom panel the information for the *Sectors affected*. On the right-hand side of this section, the *Confidence* panel includes information about the confidence level for the BRA+CCA (composite score) and for the BRA and CCA scores separately. The *Report* button outputs the report for the corresponding assessment, hence like selecting the *Output Separate* option from the *Report (tab)* (of which this

button represents a 'shortcut'). All panels and fields in this section turn blank and the *Report* button is disabled in case of selection of an incomplete assessment (i.e. with one or more Qs unanswered) or in case of multiple assessment selection.

Database statistics

This section provides a summary of the *Total* number of assessments in the database, the number of fully *Assessed* taxa, *Incomplete* assessments (i.e. with less than 55 Qs answered), *Outcomes* (i.e. completed assessments for which thresholds have been specified), and *Selected* assessments from the list. In case of one or more *Incomplete* assessment(s), the corresponding label turns light red.

Sort

This drop-down allows sorting of the *Assessment List*, in either *Ascending* or *Descending* order, based on all headings (except for the *ID*), and with sorting starting from the selected field and then progressing in order from *Cat* through to *Date and Time*, as applicable. If sorting by *Cat*, *Risk assessment area*, *Taxon name*, *Common name* or *Assessor*, then the *Batch Edit* option on the corresponding button in the *Assessment (tab)* sub-menu becomes available in case two or more assessments in the list have the same entry for the corresponding field.

Ascending

Sorts the *Assessment List* items in ascending order. Note that sorting is also case-sensitive.

Descending

Sorts the *Assessment List* items in descending order. Note that sorting is also case-sensitive.

Risk screening

Open Q&A

Clicking this button opens the *Q&A* dialog in which a new assessment is started or continued for the taxon selected from the *Assessment List*. This button is disabled in case of multiple assessment selection or of a single assessment selected containing ellipsis '...' entries for either the *Risk assessment area*, *Taxon name*, *Common name* or *Assessor* fields (as generated through the *Wizard* or *Replicate* dialogs).

Help

Clicking this button opens the pdf Help file (AS-ISK_v2_3_3_Help_MainAssessmentWorkspace.pdf) for the current dialog. Note that the AS-ISK v2.3 Help files must be in the same folder as the AS-ISK v2.3 program.

Assessment (tab)

AS-ISK v2.3.3 - Main Assessment Workspace

ID	Cat	Risk assessment area	Taxon name	Common name	Assessor	Answered	Thresholds	BRA Score	BRA Outcome	BRA+CCA Score	BRA+CCA Outcome	Date and Time
1	7	Northern Gulf of Mexico	Conger verreauxi	southern conger eel	Mike Norberg, Alex F	55/55	12.5;12.5	13	High	13	High	11/02/21 15:01
2	7	Northern Gulf of Mexico	Dendrochirus barberi	Hawaiian lionfish	Timothy J. Lyons	55/55	12.5;12.5	6	Medium	6	Medium	19/07/17 13:43
3	7	Northern Gulf of Mexico	Dendrochirus biocellatus	twospot turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	3	Medium	3	Medium	09/08/17 11:38
4	7	Northern Gulf of Mexico	Dendrochirus brachypterus	dwarf lionfish	Timothy J. Lyons	55/55	12.5;12.5	12	Medium	12	Medium	15/08/17 19:10
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6	7	Northern Gulf of Mexico	Fundulus heteroclitus heteroclitus	mummichog	Jessica Dutton	55/55	12.5;12.5	14	High	14	High	09/07/21 20:43
7	7	Northern Gulf of Mexico	Heniochus diphreutes	false moonfish	Justin Procopio	55/55	12.5;12.5	7	Medium	9	Medium	20/06/21 17:36
8	7	Northern Gulf of Mexico	Lythrypnus dalli	bluebanded goby	Mike Norberg, Alex F	55/55	12.5;12.5	4	Medium	4	Medium	11/02/21 15:00
9	7	Northern Gulf of Mexico	Muraenesox cinereus	dagger-tooth pike conger	Justin Procopio	55/55	12.5;12.5	15	High	23	High	21/06/21 08:15
10	7	Northern Gulf of Mexico	Paraproteocheilus heteroclitus	blackfoot firefish	Timothy J. Lyons	55/55	12.5;12.5	4	Medium	4	Medium	09/08/17 11:27
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Category: 7 - Fishes and Lampreys (marine) Assessment no. 3

Questions: Answered 55 Unanswered 0 Not applicable 0

Risk screening context: Reason and benefits: Taxonomic relation to known invader

Taxonomy: Class: Actinopterygii Order: Scorpaeniformes Suborder: Scorpaenoidei Family: Scorpaenidae Subfamily

Native range: from South Africa and Mauritius east to the Tuamotu Archipelago in French Polynesia, and from the TI

Introduced range: N/A

URL: http://www.fishbase.se/summary/Dendrochirus-biocellatus.html

Assessment statistics: A. Biogeography/Historical 1.0 16/06/21 07:02 2. Climate, distribution and introduction risk 1.0 27/07/17 16:05 3. Invasive elsewhere 0.0 09/08/17 16:59 B. Biology/Ecology 2.0 12/02/21 08:47 4. Undesirable (or persistence) traits 2.0 12/02/21 08:49 5. Resource exploitation 0.0 12/02/21 08:49

Commercial 4 Environmental 1 Species or population nuisance traits 2 Report

Database statistics: Total 138 Assessed 138 Incomplete 0 Outcomes 138 Selected 1

Sort: Category Ascending Descending

Risk screening: Open Q&A Help Wizard New Edit Delete Replicate Database: Save As Save Close

Wizard

Clicking this button opens the *Wizard* dialog, which allows to generate a 'template' for one or (usually) more new assessments at once.

New

Clicking this button opens the *New/Edit* dialog in which details of the new assessment are input by the Assessor.

Edit

Clicking this button opens the *New/Edit* dialog in which details of an existing assessment are edited by the Assessor.

Batch Edit

This option becomes available in case of multiple assessment selection (i.e. two or more assessments selected from the *Assessment List*) and with the *Assessment List* ordered by *Cat*, *Risk assessment area*, *Taxon name*, *Common name* or *Assessor*. In such cases, the button text turns light blue and the *Sort* drop-down entry colour blue, indicating that editing is in 'batch mode'. Clicking this button opens the *New/Edit* dialog in *Batch Edit* mode, where details are provided by the Assessor for the corresponding field.

Delete

Clicking this button deletes the selected assessment(s) from the list. A message request for confirmation is issued before proceeding. Note that changes to the database are not saved until the *Save* or *Save As* button is clicked, whose text turns red.

Replicate

Clicking this button opens the *Replicate* dialog for replicating an existing assessment. This button is disabled in case of multiple assessment selection or of a single assessment selected containing ellipsis '...' entries for either the *Risk assessment area*, *Taxon name*, *Common name* or *Assessor* fields (as generated through the *Wizard* or *Replicate* dialogs).

Thresholds (tab)

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20	7	Northern Gulf of Mexico	Rhinopias frondosa	weedy scorpionfish	Justin Procopio	55/55	12.5;12.5	29	High	37	High	22/06/21 19:28
21	7	Northern Gulf of Mexico	Scorpaena guttata	California scorpionfish	Justin Procopio	55/55	12.5;12.5	22	High	30	High	20/06/21 17:16
22	7	Northern Gulf of Mexico	Scorpaena mystes	Pacific spotted scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	13	High	15	High	12/02/21 08:47
23	7	Northern Gulf of Mexico	Scorpaena scrofa	red scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	20	High	22	High	12/02/21 08:43
24	7	Northern Gulf of Mexico	Scorpaenoides parvipinnis	lowfin scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	9	Medium	13	High	12/02/21 08:49
25	7	Northern Gulf of Mexico	Scorpaenopsis macrochir	flasher scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	14	High	16	High	12/02/21 08:49
26	7	Northern Gulf of Mexico	Scorpaenopsis neglecta	yellowfin scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	19	High	21	High	12/02/21 08:50

Category: 7 - Fishes and Lampreys (marine) Assessment no. 3

Answered: 55 Unanswered: 0 Not applicable: 0

Risk screening context

Reason and benefits: Taxonomic relation to known invader

Taxonomy: Class: Actinopterygii Order: Scorpaeniformes Suborder: Scorpaenoidei Family: Scorpaenidae Subfamily

Native range: from South Africa and Mauritius east to the Tuamotu Archipelago in French Polynesia, and from the TI

Introduced range: N/A

URL: <http://www.fishbase.se/summary/Dendrochirus-biocellatus.html>

Assessment statistics

A. Biogeography/Historical

1. Domestication/Cultivation 1.0

2. Climate, distribution and introduction risk 1.0

3. Invasive elsewhere 0.0

B. Biology/Ecology

4. Undesirable (or persistence) traits 2.0

5. Resource exploitation 0.0

Commercial 4

Environmental 1

Species or population nuisance traits 2

Confidence

BRA+CCA 0.57

BRA 0.58

CCA 0.50

Report

Database statistics

Total: 138 Assessed: 138 Incomplete: 0 Outcomes: 138 Selected: 1

Risk screening

Assessment: Thresholds

BRA: 12.5 BRA+CCA: 12.5

Re-set Clear

Database

Save As Save Close

BRA and BRA+CCA

Thresholds are set from the corresponding BRA and BRA+CCA drop-down controls. The minimum and maximum values for the BRA threshold are 1 to 68 and for the BRA+CCA threshold are 1 to 80 (the value of 1 being 'default' to distinguish between low and medium risk taxa) in increments of 0.05.

Depending on whether a single assessment or multiple assessments are selected from the *Assessment List* and on whether thresholds have been previously defined or not, six possible scenarios for both the BRA and BRA+CCA drop-downs can occur, affecting their appearance:

1. *Single assessment selected/No thresholds defined*: Empty threshold value entries, light red;
2. *Single assessment selected/Thresholds defined*: Assessment thresholds, Colour scheme of choice;
3. *Multiple assessments selected/No thresholds defined*: Empty entries, light red;
4. *Multiple assessments selected/Same thresholds defined*: Assessments thresholds, Colour scheme of choice;

5. *Multiple assessments selected/Different thresholds defined*: Empty entries, Colour scheme of choice;
6. *Multiple assessments selected/Thresholds both defined and not defined*: Empty entries, light red.

Set/Re-set/(Re-)set

Clicking this button assigns the selected BRA and BRA+CCA threshold values from the corresponding dropdowns to the selected assessment(s) in the *Assessment List*, and in case of a complete assessment (i.e. all 55 Qs answered) displays the corresponding *BRA Outcome* and *BRA+CCA Outcome*.

Depending on whether a single assessment or multiple assessments are selected from the list and on whether thresholds have been defined or not for the selected assessment(s) from the *Assessment List*, the button's caption reads:

- *Set* – Single assessment or multiple assessment(s) selected and thresholds not yet defined;
- *Re-set* – Single assessment or multiple assessments selected and thresholds previously defined;
- *(Re-)set* - Multiple assessments selected and thresholds both not yet defined and previously defined.

This button is disabled whenever no threshold values are provided in the BRA and BRA+CCA dropdowns. Note that changes to the database are not saved until the *Save* or *Save As* button, whose text turns red, is clicked.

Clear

Clicking this button removes any threshold values from the selected assessment(s) in the list. A message request for confirmation is issued before proceeding. In case of a complete assessment (i.e. all 55 Qs answered), the corresponding *BRA Outcome* and *BRA+CCA Outcome* are also cleared. This button is disabled whenever no threshold values are provided in the BRA and BRA+CCA dropdowns. Note that changes to the database are not saved until the *Save* or *Save As* button, whose text turns red, is clicked.

Report (tab)

AS-ISK v2.3.3 - Main Assessment Workspace

ID	Cat	Risk assessment area	Taxon name	Common name	Assessor	Answered	Thresholds	BRA Score	BRA Outcome	BRA+CCA Score	BRA+CCA Outcome	Date and Time
1	7	Northern Gulf of Mexico	Conger verreauxi	southern conger eel	Mike Norberg, Alex F	55/55	12.5;12.5	13	High	13	High	11/02/21 15:01
2	7	Northern Gulf of Mexico	Dendrochirus barberi	Hawaiian lionfish	Timothy J. Lyons	55/55	12.5;12.5	6	Medium	6	Medium	19/07/17 13:43
3	7	Northern Gulf of Mexico	Dendrochirus biocellatus	twospot turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	3	Medium	3	Medium	09/08/17 11:38
4	7	Northern Gulf of Mexico	Dendrochirus brachypterus	dwarf lionfish	Timothy J. Lyons	55/55	12.5;12.5	12	Medium	12	Medium	15/08/17 19:10
5	7	Northern Gulf of Mexico	Dendrochirus zebra	zebra turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	10	Medium	10	Medium	09/08/17 13:16
6	7	Northern Gulf of Mexico	Fundulus heteroclitus heteroclitus	mummichog	Jessica Dutton	55/55	12.5;12.5	14	High	14	High	09/07/21 20:43
7	7	Northern Gulf of Mexico	Heniochus diphreutes	false moonfish	Justin Procopio	55/55	12.5;12.5	7	Medium	9	Medium	20/06/21 17:36
8	7	Northern Gulf of Mexico	Lythrypnus dalli	bluebanded goby	Mike Norberg, Alex F	55/55	12.5;12.5	4	Medium	4	Medium	11/02/21 15:00
9	7	Northern Gulf of Mexico	Muraenesox cinereus	dagger-tooth pike conger	Justin Procopio	55/55	12.5;12.5	15	High	23	High	21/06/21 08:15
10	7	Northern Gulf of Mexico	Paraproteoichthys heterura	blackfoot firefish	Timothy J. Lyons	55/55	12.5;12.5	4	Medium	4	Medium	09/08/17 11:27
11	7	Northern Gulf of Mexico	Platax orbicularis	orbicular batfish	David Reeves	55/55	12.5;12.5	17	High	17	High	16/06/21 07:02
12	7	Northern Gulf of Mexico	Pterois antennata	broadbarred firefish	Timothy J. Lyons	55/55	12.5;12.5	9	Medium	9	Medium	27/07/17 16:05
13	7	Northern Gulf of Mexico	Pterois cincta	Red Sea lionfish	Timothy J. Lyons	55/55	12.5;12.5	5	Medium	5	Medium	09/08/17 16:59
14	7	Northern Gulf of Mexico	Pterois lunulata	luna lionfish	Timothy J. Lyons	55/55	12.5;12.5	12	Medium	12	Medium	08/08/17 14:33
15	7	Northern Gulf of Mexico	Pterois mombasae	frillfin turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	7	Medium	7	Medium	09/08/17 13:28
16	7	Northern Gulf of Mexico	Pterois radiata	radial firefish	Timothy J. Lyons	55/55	12.5;12.5	5	Medium	5	Medium	28/07/17 12:14
17	7	Northern Gulf of Mexico	Pterois russelli	plantain turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	19	High	19	High	08/08/17 13:14
18	7	Northern Gulf of Mexico	Pterois sphex	Hawaiian turkeyfish	Timothy J. Lyons	55/55	12.5;12.5	5	Medium	5	Medium	01/08/17 11:25
19	7	Northern Gulf of Mexico	Rhinopias eschmeyerii	Eschmeyer's scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	16	High	18	High	12/02/21 08:47
20	7	Northern Gulf of Mexico	Rhinopias frondosa	weedy scorpionfish	Justin Procopio	55/55	12.5;12.5	29	High	37	High	22/06/21 19:28
21	7	Northern Gulf of Mexico	Scorpaena guttata	California scorpionfish	Justin Procopio	55/55	12.5;12.5	22	High	30	High	20/06/21 17:16
22	7	Northern Gulf of Mexico	Scorpaena mystes	Pacific spotted scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	13	High	15	High	12/02/21 08:47
23	7	Northern Gulf of Mexico	Scorpaena scrofa	red scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	20	High	22	High	12/02/21 08:43
24	7	Northern Gulf of Mexico	Scorpaenodes parvipinnis	lowfin scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	9	Medium	13	High	12/02/21 08:49
25	7	Northern Gulf of Mexico	Scorpaenopsis macrochir	flasher scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	14	High	16	High	12/02/21 08:49
26	7	Northern Gulf of Mexico	Scorpaenopsis neglecta	yellowfin scorpionfish	Mike Norberg, Alex F	55/55	12.5;12.5	19	High	21	High	12/02/21 08:50

Category: 7 - Fishes and Lamprays (marine) Assessment no.: 3

Questions: Answered: 55 Unanswered: 0 Not applicable: 0

Risk screening context:

Reason and benefits: Taxonomic relation to known invader

Taxonomy: Class: Actinopterygii Order: Scorpaeniformes Suborder: Scorpaenoidei Family: Scorpaenidae Subfamily

Native range: from South Africa and Mauritius east to the Tuamotu Archipelago in French Polynesia, and from the TI

Introduced range: N/A

URL: http://www.fishbase.se/summary/Dendrochirus-biocellatus.html

Assessment statistics:

A. Biogeography/Historical: 1.0
1. Domestication/Cultivation: 0.0
2. Climate, distribution and introduction risk: 1.0
3. Invasive elsewhere: 0.0
B. Biology/Ecology: 2.0
4. Undesirable (or persistence) traits: 2.0
5. Resource exploitation: 0.0

Confidence: BRA+CCA: 0.57 BRA: 0.58 CCA: 0.50

Commercial: 4
Environmental: 1
Species or population nuisance traits: 2

Database statistics: Total: 138 Assessed: 138 Incomplete: 0 Outcomes: 138 Selected: 1

Risk screening: Open Q&A Help

Assessment: Thresholds: **Report** Utilities: Excel Workbook (*.xlsx) Database: Save As Save Close

Output

Clicking this button outputs the report(s) for the selected assessment(s) in the *Assessment List*. The status bar (located at the bottom left of the Excel window) displays progress with report generation and outputting. This button (and the corresponding *Separate* and *Grouped* options) is disabled in case one or more incomplete assessments are selected from the *Assessment List*.

Separate

This is the only option available in case of selection of a single assessment from the *Assessment List*; whereas in case of multiple assessment selection, this option (if chosen) outputs a separate report spreadsheet for each selected assessment. A confirmation message that the selected report(s) has/have been generated is issued at the end of the process.

The file for each report spreadsheet (Microsoft Excel Worksheet format *.xlsx) is named by default: "AS-ISK v2 Report - [Risk assessment area] - [Category] - [Taxon name] - [Assessor]". Also, the spreadsheet tab takes the name of the taxon for which the report has been generated (but limited to 31 characters in total including spaces due to the 'hard-coded' string length limits in Excel).

Grouped

This option is chosen by default in case two or more assessments are selected from the *Assessment List*. A confirmation message that the grouped report has been generated is issued at the end of the process.

The grouped report consists of a workbook (Microsoft Excel Worksheet format *.xlsx) named by default: "AS-ISK v2 Report - # Assessments" (where # is the number of assessments in the report).

The tab of each spreadsheet in the grouped report is named progressively from Assessment 1 to Assessment n , where n is the total number of assessments.

(Report file type drop-down)

This drop-down allows to output the report as an Excel Workbook (*.xlsx) (default option), a PDF document (*.pdf), or as a MHTML (Web page archive file) document (*.mhtml).

Utilities (tab)

Re-score

Clicking this button re-scores all assessments in the *Assessment List*. This feature is not generally required during a session, as AS-ISK v2.3 automatically re-scores all assessments upon opening either an existing AS-ISK v1 or v2 database (see *Start – Database (tab) – Existing*) or an -ISK database (see *Start – -ISK (tab)*). A request for confirmation to proceed is made before starting the process. Note that changes to the database are not saved until the *Save* or *Save As* button is clicked, whose text turns red.

User Guide

Clicking this button opens the pdf Help file (AS-ISK_v2_3_3_Help_UserGuide.pdf) for the current dialog. Note that the AS-ISK v2.3 Help files must be in the same folder as the AS-ISK v2.3 program.

Colour scheme

The AS-ISK GUI is available in ten colours: four light-shade colours, including 'blue' (default), 'green', 'brown' and 'grey'; one 'neutral' colour; four dark-shade colours, including 'blue', 'green', 'brown' and 'grey'; and 'black'.

The colour scheme of choice applies to all ‘active’ (i.e. editable fields) and ‘semi-active’ (i.e. non-editable fields, labels, drop-downs) controls making up the AS-ISK GUI.

Because active controls in the AS-ISK also behave as ‘smart’ controls (see *Main Assessment Workspace*, *Wizard*, *New/Edit*, *Replicate* and *Q&A* dialogs) by changing aspect/behaviour depending on the Assessor’s interaction with the GUI and the assessment database features, the ‘light yellow’ and ‘light red’ colours are reserved for the GUI only.

The *Colour scheme* of choice can be changed by the Assessor at any time during a session.

Database

Save As

Clicking this button saves the *Assessment List* into an AS-ISK v2 database. A new spreadsheet is created (pending confirmation) from the corresponding Windows dialog (default name: “AS-ISK v2 database”). This applies to databases from either AS-ISK v1, AS-ISK v2 or -ISK (imported). The text for this button turns red upon opening a new database (see *Start – Database (tab) – New*), deleting one or more assessments (see *Assessment (tab) – Delete*), and setting thresholds (see *Thresholds (tab) – Set/Re-set/(Re-)set*) and clearing thresholds (see *Thresholds (tab) – Clear*).

Save

Clicking this button saves the *Assessment List*. Two scenarios are possible:

1. *Existing AS-ISK v2 database spreadsheet* – The spreadsheet is saved directly and overwritten with any new changes.
2. *Existing AS-ISK v1 database spreadsheet, New database spreadsheet, or -ISK (imported) database spreadsheet* – A new spreadsheet (Microsoft Excel Worksheet format *.xlsx) is created pending confirmation from the corresponding Windows dialog (default name: “AS-ISK v2 database”).

The text for this button turns red upon opening a new database (see *Start – Database (tab) – New*), deleting one or more assessments (see *Assessment (tab) – Delete*), and setting thresholds (see *Thresholds (tab) – Set/Re-set/(Re-)set*) and clearing thresholds (see *Thresholds (tab) – Clear*).

Close

Clicking this button closes the current dialog. If changes have been made to the *Assessment List*, then the Assessor is asked whether he/she wants to *Close* the database without saving or *Save* it before closing.