

Quick User Guide for Handbook App.

Current link <http://icy-ocean-condense.s3-website-ap-southeast-2.amazonaws.com/>

The screenshot shows the 'Climate Adaption Handbook' interface. At the top right, there is a header 'Climate Adaption Handbook'. The main title is 'Adaptation of fisheries management to climate change', followed by 'RISK ASSESSMENT TOOL'. Below this is a 'Worksheets' section with a text input field for 'Species Name' and a timestamp 'A MINUTE AGO'. To the right of the input field are four icons: a save icon, a clone icon, a print icon, and a delete icon. Below the input field are three buttons: 'NEW WORKSHEET' (blue), 'UPLOAD WORKSHEET' (green), and 'RESET ALL' (red). At the bottom right, there are logos for the Australian Government, Australian Fisheries Management Authority, CSIRO, and FRDC. Orange arrows point from text labels to these various elements.

Save a file of the assessment to reload later

Clone the assessment

Link to the Handbook

Create a pdf of the assessment

Delete

Start a new assessment

Upload an existing file

Delete all

Species name

Choose species type

Species name

Species type

Target Byproduct Discard TEP

Analysis

	Abundance	Distribution	Timing	Quality
STEP 1: ECOLOGICAL RISK ASSESSMENT	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE
STEP 2: FISHERY RISK ASSESSMENT	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE
STEP 3: MANAGEMENT RISK ASSESSMENT	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE

Results

	Ecological	Fishery	Management	Overall
RESULTS: ASSESSMENT OF RISK VARIABLES	INCOMPLETE	INCOMPLETE	INCOMPLETE	INCOMPLETE

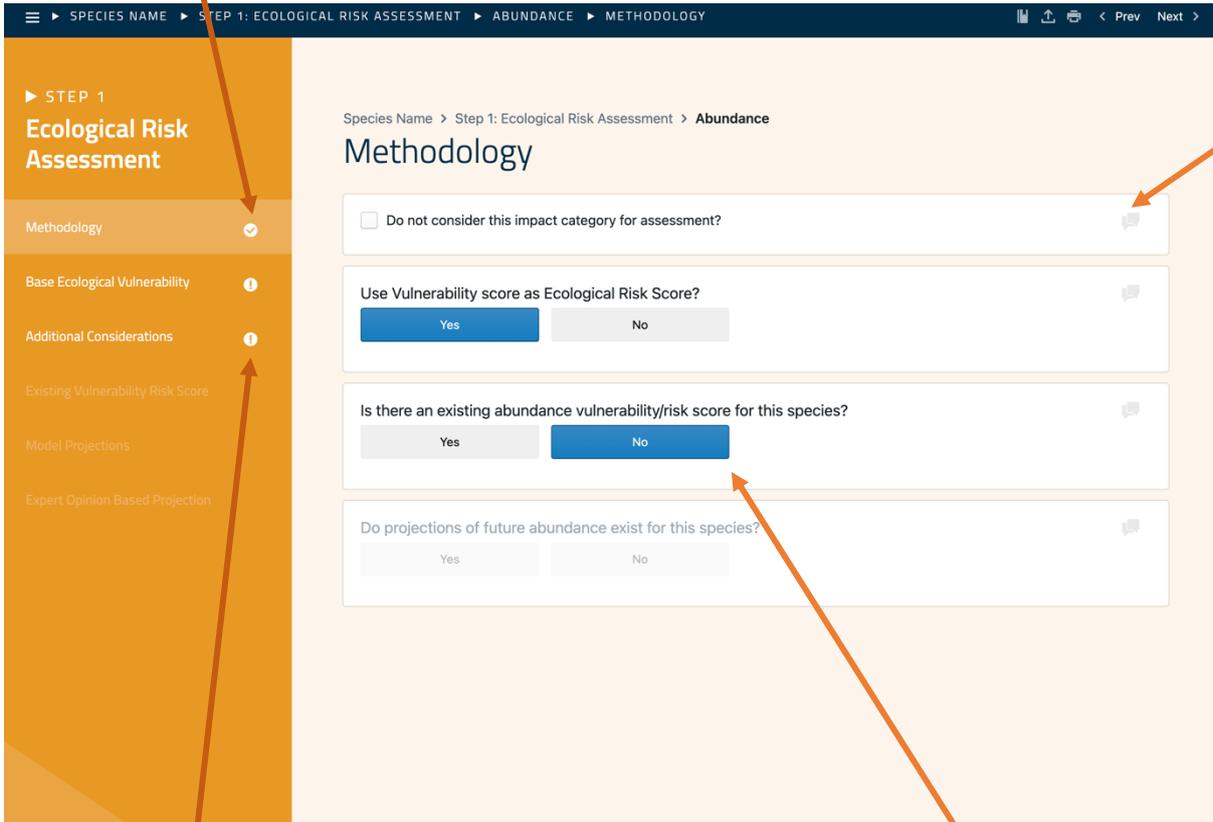
Click on these links to check the final assessment

Click on link for each step to complete the questions (this will show as INCOMPLETE until the assessment is done and then the score will show instead)

Tick shows the page is done

Menu steps

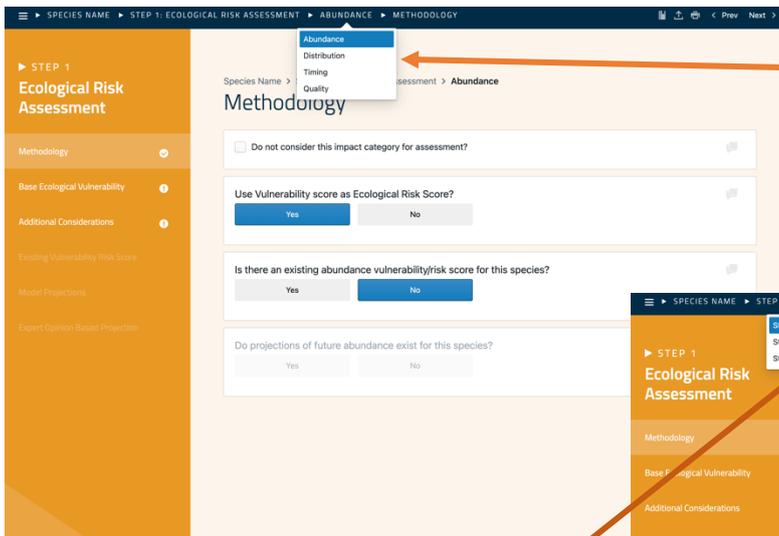
Use Prev and Next to move between questions in the assessment. You can also jump about using the Menu steps and side bar



Click here to add notes

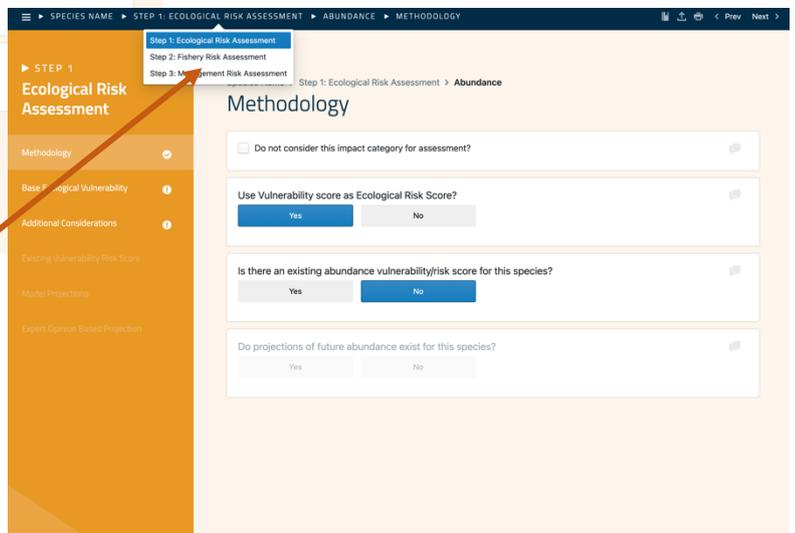
! shows the page is needed but is incomplete (If a page is 'greyed' out then it is not needed)

Answer questions



Choose between abundance, distribution, timing and quality

Move between ecology, fisheries and management steps



Tick the box if the option is available for the fishery of concern

Click to add extra options

The screenshot shows the 'Available Fishery Responses' section of the Fishery Risk Assessment tool. The breadcrumb trail is 'SPECIES NAME > STEP 2: FISHERY RISK ASSESSMENT > ABUNDANCE > AVAILABLE FISHERY RESPONSES'. The left sidebar shows the assessment steps: 'Existing Management Check', 'Available Fishery Responses', 'Likelihood Of Implementation' (checked), 'Economic Impact If Change Not Mitigated', and 'Social Impact If Change Not Mitigated'. The main content area is titled 'Available Fishery Responses' and contains a list of 12 options, each with a checkbox: 'Change the amount of fishing effort', 'Move to another fishing location', 'Switch to a different target species', 'Stop fishing for the target species altogether', 'Invest in new technology or assets', 'Change the amount of quota trade', 'Change the sale price of fish', 'Change supply chain management', 'Diversify markets', 'Value add to the product', 'Seek information about adaptation options', and 'Communication with concerned stakeholder'. Below the list are three summary fields: 'Total available responses' (0), 'Total possible responses' (12), and 'Potential response score' (Incomplete). An 'Edit questions' link is visible in the top right corner.

Answer questions on each option

For economic and social impacts answer questions on likelihood and consequence

The screenshot shows the 'Economic Impact If Change Not Mitigated' section. The breadcrumb trail is 'SPECIES NAME > STEP 2: FISHERY RISK ASSESSMENT > ABUNDANCE > ECONOMIC IMPACT IF CHANGE NOT MITIGATED'. The left sidebar shows the assessment steps, with 'Economic Impact If Change Not Mitigated' selected. The main content area is titled 'Economic Impact If Change Not Mitigated' and contains three sections: 'Likelihood of an economic impact' with buttons for 'None', 'Low', 'Medium', and 'High'; 'Consequence (magnitude) of an economic impact' with buttons for 'Small', 'Medium', 'Large', and 'Very large'; and 'Economic impact score' with a text input field showing 'Incomplete'.

The screenshot shows the 'Social Impact If Change Not Mitigated' section. The breadcrumb trail is 'SPECIES NAME > STEP 2: FISHERY RISK ASSESSMENT > ABUNDANCE > SOCIAL IMPACT IF CHANGE NOT MITIGATED'. The left sidebar shows the assessment steps, with 'Social Impact If Change Not Mitigated' selected. The main content area is titled 'Social Impact If Change Not Mitigated' and contains four sections: 'Likelihood of a social impact' with buttons for 'None', 'Low', 'Medium', and 'High'; 'Consequence (magnitude) of a social impact' with buttons for 'Small', 'Medium', 'Large', and 'Very large'; 'Social impact score' with a text input field showing 'Incomplete'; and 'Fishery risk score' with a text input field showing 'Incomplete'.

Tick the box if the option is available for the fishery of concern

Click to add extra options

Species Name > Step 3: Management Risk Assessment > Abundance

Available Management Responses

[Edit Questions](#)

Pathways: **All (58)** Catch (21) Catch policy (5) Catch data (8) Effort (9) Gear (2) Structure (9) Spatial (4)

- Adjust TAC for quota species
- Implement TAC for new species
- Adjust trigger limits for by-products
- Landing restrictions
- Introduce automatic triggers for key environmental parameters (as a proxy for stock changes)
- Introduce/adjust automatic triggers for non-target TEPS (e.g. dolphins, seabird TAP)
- Introduce/adjust automatic triggers for general bycatch
- Change / adjust performance indicators for harvest strategies
- Change in reference points
- Re-assessment of model parameterisation (e.g. recruitment, natural mortality estimates)
- Change to harvest strategy policy settings
- Sectoral (re)allocation
- Quota administration
- Quota transaction monitoring
- Adjust bag/possession limit for species
- Implement minimum/maximum size limit for species
- Introduce handling requirements (depressuring, venting fish)
- Introducing catch and release requirements
- Traditional use only species
- Implement/adjust bycatch policy
- Review TEPS rules

Answer questions on each option

Species Name > Step 3: Management Risk Assessment > Abundance

Management Responses

Adjust TAC for quota species

Time to Implement

Immediate(<2 years) Short term(2-5 years) Medium term (5-10 years) Long term(>10 years)

Change process

Operational Consultative co-mgmt Regulator Inter-jurisdiction

Implementation Cost

Low Medium High Very high

Ongoing Cost

Low Medium High Very high

Management risk score

Incomplete