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| **Crayfish population assessment form** | | |
| **A: Site information** | | |
| **Site name:** | Insert common name for site | |
| **Status of this site**  **Mark all appropriate** | | Existing population  Existing population to be supplemented  Potential ark site  Potential donor site |
| **Upstream population extent NGR** | | Twelve figure grid reference – Current or potential  XX 00000 00000 |
| **Downstream population extent NGR** | | Twelve figure grid reference – Actual or potential  XX 00000 00000 |
| **WFD waterbody ID (if applicable)** | | GBxxxxxxxxxxxxxx – WFD waterbody ID available from Catchment Data Explorer |
| **Map** | | |
| Insert annotated map of records and showing location of features of interest. Include historical maps if relevant. Ensure all maps are described, scaled, orientated using a north arrow and dated. | | |
| **Last survey date, type, extent and findings** | | Date and survey type  DD/MM/YYYY – Stone turning, Artificial refuge traps, torching  Detail findings of survey  Provide reference to survey report  ***This is covered in section 4.1 – Desktop study assessment.Records must be validated using the process described in this section.*** |
| **Brief description of survey history** | | |
| List historical surveys undertaken at the site  E.g.  2009  Stone turning from NGR x to NGR y undertaken by A.Nonymous, positive presence, 120 male, 20 female, 10 <10mm  Records available on MAGIC or LERC  Detailed survey report located here (insert hyperlink to folder location)  2012  Torch survey from NGR x to NGR y related to training event led by S.Omeone  Positive presence  Records not available on MAGIC or LERC  No report produced | | |
| **In channel and surrounding habitat description** | | |
| General habitat description such as substrate, general flow, modifications to channel.  Include photographs where possible and River Corridor Surveys if undertaken, include NGR as well as orientation.  ***This is covered in section 4.3 – Initial site assessment/walkover surveys.*** | | |
| **Water quality and chemistry information** | | |
| Include all water quality analysis undertaken on waterbody of interest, both current and historical.  ***This is covered in section 1.4 – Water quality and chemistry.*** | | |
| **Barrier screening** | | |
| Provide details and photos of barriers existing within the waterbody and upstream/downstream.  Details of the barrier should be recorded here.  ***This is covered in section 4.1 Desktop study assessment and section 4.10 Habitat enhancement.*** | | |
| **Non-target species of concern** | | |
| You must…  List any known populations of species likely to impact any white-clawed crayfish population once it is introduced and explain the likelihood of any impact.  And…  List and assess the risk to any species present likely to be impacted by the introduction of white-clawed crayfish. This includes species such as freshwater pearl mussels, macrophytes invertebrates etc.  ***This is covered in sections 1.7 Predators and prey, 1.8 NICS – non-indigenous crayfish species***  ***and 4.1 Desktop study assessment.*** | | |
| **Site designations** | | |
| Detail any conservation designations associated with the site. Assess and explain the likelihood of any impact from the introduction of white-clawed crayfish to the site.  ***This is covered in section 4.1 Desktop study assessment.*** | | |
| **B: Threats** | | |
| **Threat from non-indigenous crayfish species (NICS)** | | |
| List any known populations in the vicinity.  Provide a map to show the distance and any routes for invasion including upstream/downstream and likelihood of  over-land migration.  ***This is covered in section 1.8 NICS – non-indigenous crayfish species.*** | | |
| **Biosecurity Threats** | | |
| Details of potential biosecurity risks such as angling, water sports, water transfers, green lane motorists or other activity  groups. List groups and contacts if possible.  ***This is covered in section 4.1 Desktop study assessment.*** | | |
| **Threats from pollution, discharge, abstractions or development** | | |
| List environmental permits or licences in the area likely to impact upon the waterbody  ***This is covered in sections 4.1 Desktop study assessment and 4.10 Habitat enhancement.*** | | |
| **Likely or confirmed crayfish plague outbreaks on this population or within catchment** | | |
| List dates of event and if Cefas was contacted for assessment of samples. Provide information if report was returned.  Provide details on assumed vector and whether risks still exist.  ***This is covered in sections 1.6 Disease, 4.1 Desktop study assessment and 4.10 Habitat enhancement.*** | | |
| **Drought/climate change threats** | | |
| Information on whether the waterbody has historically dried up in prolonged dry weather, suffers from flooding or is an ephemeral watercourse. If in a reservoir, are there issues with low levels or emergency supply requirements.  ***This is covered in section 4.1 Desktop study assessment.*** | | |
| **Overall comments on long term survival of population** | | |
| Short description of main threats to the site from the above factors. | | |
| **C: Opportunities** | | |
| **Stakeholders and partners** | | |
| Identify landowners associated with the waterbody and associated landholdings. Also identify potential delivery partners  ***This is covered in sections 2.2 Conservation planning & stakeholder engagement, 4.4 Initial stakeholder engagement, 4.6 Site-specific stakeholder engagement and chapter 7: Communication & outreach.*** | | |
| **Links to existing or proposed projects** | | |
| If this site is being considered along with other WCC related sites list sites and explain relationship  Also include proposed development or maintenance activities on waterbodies containing WCC may present opportunities for habitat improvement, mitigation or activities such as drawdowns which can be used to source donor stock for ark sites.  ***This is covered in sections 2.4 Producing a conservation strategy/action plan and 4.1 Desktop study assessment.*** | | |
| **Is this site being considered as part of a group of wider conservation activities** | | |
| Describe current or potential links with other conservation projects. This does not have to be limited to projects focused solely upon WCC. Education and outreach should also be considered.  ***This is covered in section 2.2 Conservation planning & stakeholder engagement, 2.4 Producing a conservation strategy/action plan and 4.1 Desktop study assessment.*** | | |
| **D: Actions** | | |
| **Identified key actions** | | |
| List here any actions identified in the information gathering above and inform internal and external stakeholders. Likely actions are detailed below:  • Potential ark site – Begin full assessment of suitability  • Use as donor stock due to imminent threat of loss of population  • Updated survey required to determine health/extent/presence  • Partners and catchment coordinators informed of potential opportunities for crayfish project  • Landowner engagement to increase awareness and alter land management if required  • Increased signage and information campaign required | | |