

MANAGE FISHERIES RESOURCES

UNIT CODE: ENV/OS/MGT/CR/10/6/A

UNIT DESCRIPTION

This unit specifies the competencies required to manage fisheries resources. It involves classifying fish, developing fisheries management plan, managing fish farm, harvesting, processing and marketing fish.

ELEMENTS These describe the key outcomes which make up workplace function.	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the Range.</i>
1. Classify fish	1.1 <i>Types of fish</i> are identified 1.2 Fish habitats are classified
2. Develop fisheries management plan	2.1 Current situation of the fisheries is assessed 2.2 Fish stock status is determined 2.3 Potential impacts of fishing are summarized 2.4 Resources and responsibilities for plan implementation are allocated 2.5 Actions to be taken are scheduled 2.6 Programme for surveillance, monitoring and auditing is prepared
3. Manage fish farm	3.1 Fish ponds are designed and established as per the type 3.2 Fish are fed as per the size 3.3 Ponds are de-silted 3.4 Aquatic weeds are controlled 3.5 sex change is performed on the fish 3.6 Growth of fish is monitored periodically 3.7 Fish records are maintained
4. Harvest fish	4.1 <i>Fishing gears</i> are gathered and used as per workplace procedures 4.2 Fish are harvested as per the method of fishing 4.3 Fish are preserved and stored as per workplace procedures
5. Process and market fish	5.1 Fish are weighed and packaged as per type of fish and market preference 5.2 Fish waste is managed as per waste management regulations

RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

Variable	Range
1. Types of fish may include but not limited to:	<input type="checkbox"/> Tilapia <input type="checkbox"/> Nile perch <input type="checkbox"/> Sardine
2. Fishing gear may include but not limited to:	<input type="checkbox"/> Fishing nets <input type="checkbox"/> Baits /hook <input type="checkbox"/> Trawlers

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

Required Skills

The individual needs to demonstrate the following skills:

- Fishing
- Packaging
- Breeding
- Design
- Monitoring and evaluation
- Marketing
- ICT
- Analytical

Required knowledge

The individual needs to demonstrate knowledge of:

- Types of fish
- Types of fish ponds
- Aquaculture
- Fish preservation
- Fish handling
- Fish pests and diseases
- Water management

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Identified types of fish 1.2 Classified fish habitats are 1.3 Developed fisheries management plan 1.4 Designed and established fish ponds 1.5 Fed fish 1.6 De-silted ponds 1.7 Maintained fish records 1.8 Harvested fish 1.9 Preserved and stored fish 1.10 Weighed and packaged fish 1.11 Managed fish waste
2. Resource Implications	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Access to relevant workplace or appropriately simulated environment where assessment can take place 2.2 Materials relevant to the proposed activity or tasks
3. Methods of Assessment	<p>Competency in this unit may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Direct Observation 3.2 Oral Questioning 3.3 Written tests
4. Context of Assessment	<p>Competency may be assessed:</p> <ul style="list-style-type: none"> 4.1 On-the-job 4.2 Off-the –job 4.3 During Industrial attachment
5. Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.</p>