

CST REPORT NO 16

SHETLAND SUMMARY PROJECT PLANS. [1975]. 12p. [Contract Title:
Shetland Project; Contractor: ITE (C. Milner); NCC Research
Contract:]

Summary:

Summary projects plans - objectives, interia for success and finance for the following Shetland projects:

- 1) Survey of littoral and shallow sub-littoral habitats of Shetland.
- 2) Survey of littoral and shallow sublittoral sites subject to possible development.
- 3) Review of the monitoring requirements of NCC in Shetland.
- 4) Survey of designated sites in Shetland.
- 5) Survey and classification of the vegetation of Shetland.

Key-words: SHETLAND

Shetland Project
Summary Sub Project Plan

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Survey of littoral and shallow sub littoral habitats of Shetland

C. Milner

Objectives

1. Classification of the shore line of Shetland using map information.
2. Description of the intertidal flora and fauna of samples of the main classification groups.
3. Assessment of the interrelationships between biota and environment.
4. Identification of areas of particular littoral and sub littoral interest in Shetland.
5. Recommendations for further work.

Criteria for success

1. Recognisable classification groups with keys for allocating shore lines. Description and significance of groups.
2. Samples of littoral and sub littoral habitats surveyed and the main flora and fauna identified.
3. Models for the description of relationships between the biota in 2) and physical environment in 1) developed and implemented.
4. Specific areas of the littoral and sub littoral designated as important sites.
5. Recommendations made.

Completion dates for all these March 1975.

Finance

Labour and salaries	£ 2,000
Equipment	£ 500
Travel	£ 1,500
Services	
(Chemistry)	£ 200
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	£ 4,200
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Shetland Project
Summary Sub Project Plan 2

Survey of littoral and shallow sub littoral sites subject to possible development

C. Milner

Objectives

1. To determine the classification groups represented at the littoral sites.
2. To investigate the biota of the sites as in Project 1.
3. To recommend monitoring sites if appropriate or examine monitoring sites already recommended by other groups.
4. To investigate the sub littoral fauna and flora of Sullom Voe and other areas (using boats for sampling).
5. To make recommendations as appropriate.

Criteria for success

1. Major development sites located and classified.
2. Biota described.
3. Monitoring schemes proposed.
4. Reports from SMBA on development sites (as many as possible). Report on littoral.
5. Recommendations.

Completion dates for all these March 31st 1975.

Finance

Labour and salaries	£ 750
Equipment	£ 250
Travel	£ 1,000
Services	£ -
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	£ 2,000

If a further trip by SMBA is possible the £1,500 option could be taken up. Information on this will be available shortly.

Shetland Project

Summary Sub Project Plan 3

Review of the monitoring requirements of NCC in Shetland

C. Milner

Objectives

1. Desk study to identify main parameters of the Shetland system suitable for monitoring.
2. Investigation of the range of methods available for monitoring.
3. Pilot trial of sampling, analytical and data processing strategies.
4. Approximate costs and timing of full scale monitoring programme.

Criteria for success

1. Survey of literature on terrestrial and littoral monitoring. Application to Shetland.
2. Recommendations on the appropriate methods for the main groups. To include:
 - 1) Biological considerations
 - 2) Statistical considerations
 - 3) Logistic considerations
3. Report of the pilot trial as appropriate.
4. Project plans as appropriate.

Completion date November 30th 1974.

Finance

Labour and salaries	£ 2,000
Travel and subsistence	£ 1,500
Services	£ 500
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	£ 4,000

Shetland Project

Summary Sub Project Plan 4

Survey of designated sites in Shetland

C. Milner

Objectives

1. Description of the range of habitats, plant communities and animal aggregations in each site.
2. Description of the floristic and zoological diversity on the site.
3. The vulnerability or stability of the site under the developments proposed for Shetland.

Criteria for success

1. General descriptions and appropriate maps of site using air photographs etc. available to NCC.
2. Species lists from the literature and observation in the field. (This will inevitably be confined to the more conspicuous groups) available to NCC.
3. Discussion of the stability of the sites available to NCC.

Completion date March 31st 1973.

Finance

Labour and salaries	£ 650
Travel and subsistence	£ 350
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	£ 1,000
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Shetland Project
Sub Project Plan 5

Survey and classification of the vegetation of Shetland

C. Milner

Objectives

1. Classification and description of the main habitat types of Shetland.
2. Classification and description of the main vegetation types.
3. Description of particularly interesting or restricted vegetation types.

Criteria for success

1. Keys and descriptions of the main habitat groups available to NCC.
2. Keys and description of the main vegetation types available to NCC.
3. General descriptions of particular vegetation types available to NCC.

Finance

Labour and salaries	£ 4,000
Travel and subsistence	£ 2,000
Equipment	£ 1,000
Services	£ 500
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	£ 7,500