

EUROPEAN INVERTEBRATE SURVEY

PROVISIONAL ATLAS
OF THE
INSECTS OF THE BRITISH ISLES

General editor John Heath

Part 8

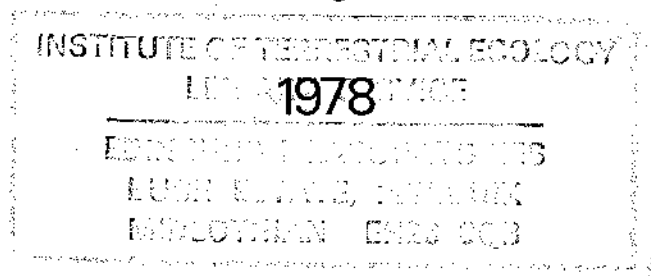
TRICHOPTERA HYDROPTILIDAE

Caddisflies (Part 1)

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ISBN 0-904282-18-X

Produced by the Biological Records Centre,
Institute of Terrestrial Ecology under
contract to the Nature Conservancy Council

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ISBN 0-904282-18-X

INSTITUTE OF TERRESTRIAL ECOLOGY MADRAS GLoucestershire		
25 OCT 1977		
ITE	BUSH	REF 595.745 (41)

INTRODUCTION

During a recent study (1973-1976) of the Hydroptilidae, data for the preparation of the accompanying distribution maps of the 31 British species have been compiled from the following sources:

- (a) published records
- (b) unpublished data from museum specimens (principally from the British Museum (Natural History) collections) and material in private collections
- (c) new records of material identified during the period of study (1973-1976).

All records in categories (b) and (c) have been verified by examination of material. However, it was not possible to verify all of the records from category (a) since only between 50-75% of the material referred to (depending on the species) was available for examination. This only refers, however, to the commoner species (i.e. *Hydroptila tineoides* Dalman, *H. vectis* Curtis, *H. forcipata* (Eaton), *H. sparsa* Curtis, *Agraylea multipunctata* Curtis, *Ithytrichia lamellaris* Eaton and *Oxyethira flavicornis* (Pictet)) since the remaining species, each represented by twenty records or less, were all checked by myself.

Due, perhaps, to their small size and relative difficulty of identification in comparison with the larger, more conspicuous caddis families, the Hydroptilidae have tended to be somewhat ignored and, hence, undercollected. In many cases, therefore, the accompanying maps do not give true representations of the actual distributions of the species concerned.

Of the species recorded only once in this country, *Hydroptila tigurina* Ris has since been discovered in Ireland (J. P. O'Connor *in litt.* to P. C. Barnard), while *Hydroptila lotensis* Mosely, *Orthotrichia tragetti* Mosely, *Oxyethira mirabilis* Morton and *Oxyethira distinctella* McLachlan have yet to be proved to be established British species. The recent rediscovery of larvae of *Tricholeiochiton fagesii* (Guinard) by Wallace (*in litt.*) from the Wirral Peninsula is notable since the only other record of this species was from Hampshire in 1932.

Marshall (1977, *Entomologist's Gaz.* 28: 115-122) has shown that at least two species have been previously confused with *Hydroptila occulta* (Eaton) (*H. occulta*, *H. martini* Marshall). It was not possible to check all records of *H. occulta* s.l., therefore an additional map has been included to show the overall distribution of the species concerned (including *H. valesiaca* Schmid).

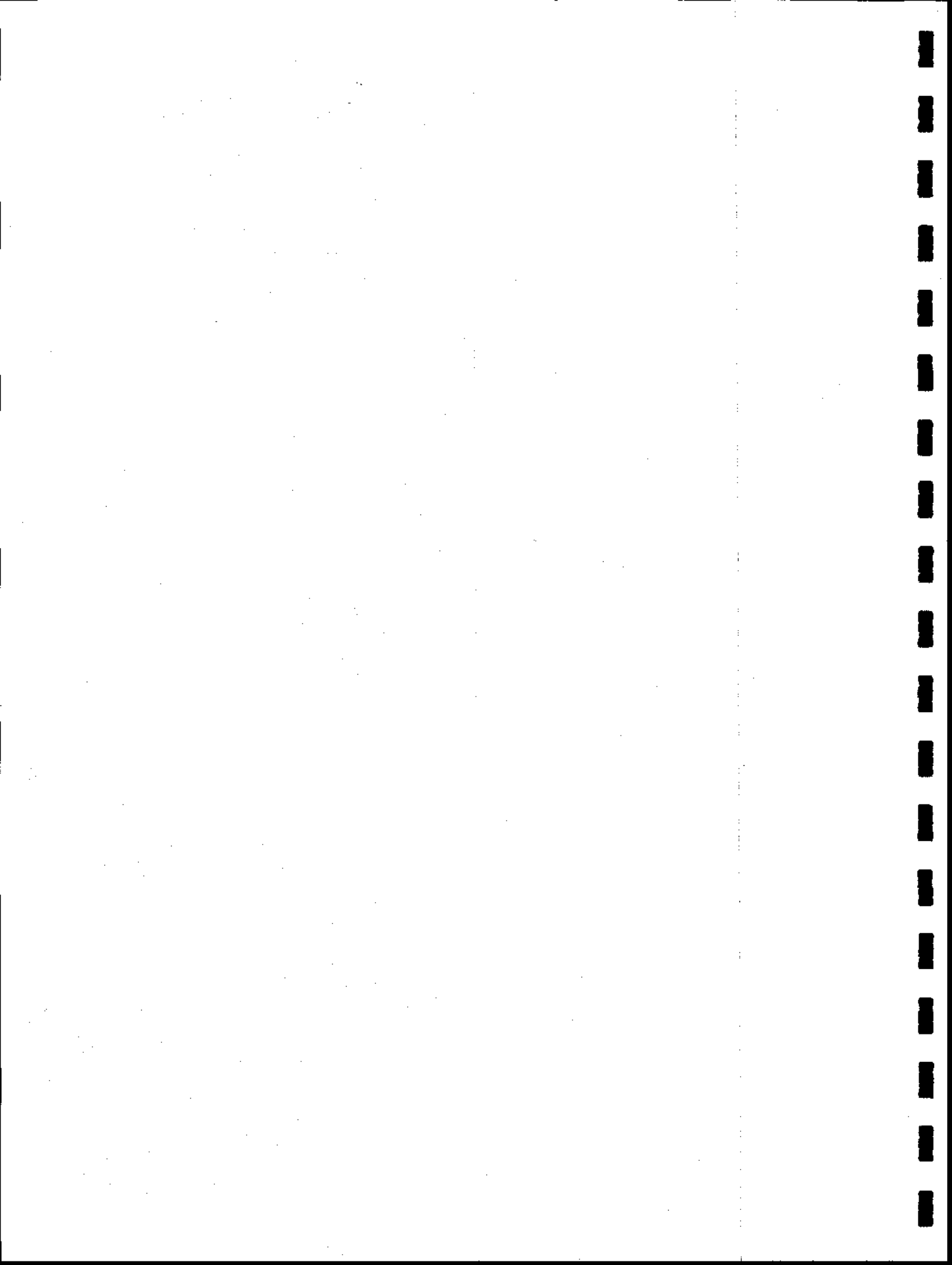
Finally, it should be noted that a Royal Entomological Society Handbook to the adult British Hydroptilidae (with keys to both males and females) is to be published shortly (Marshall, *in press*); it is hoped that such a publication, in association with these provisional maps, will stimulate the recording of the distribution of this family more fully in the future.

Thanks are due to all the people who sent me specimens and collecting data and to John Heath who kindly assisted me with the production of these maps.

Jane E. Marshall

August, 1977

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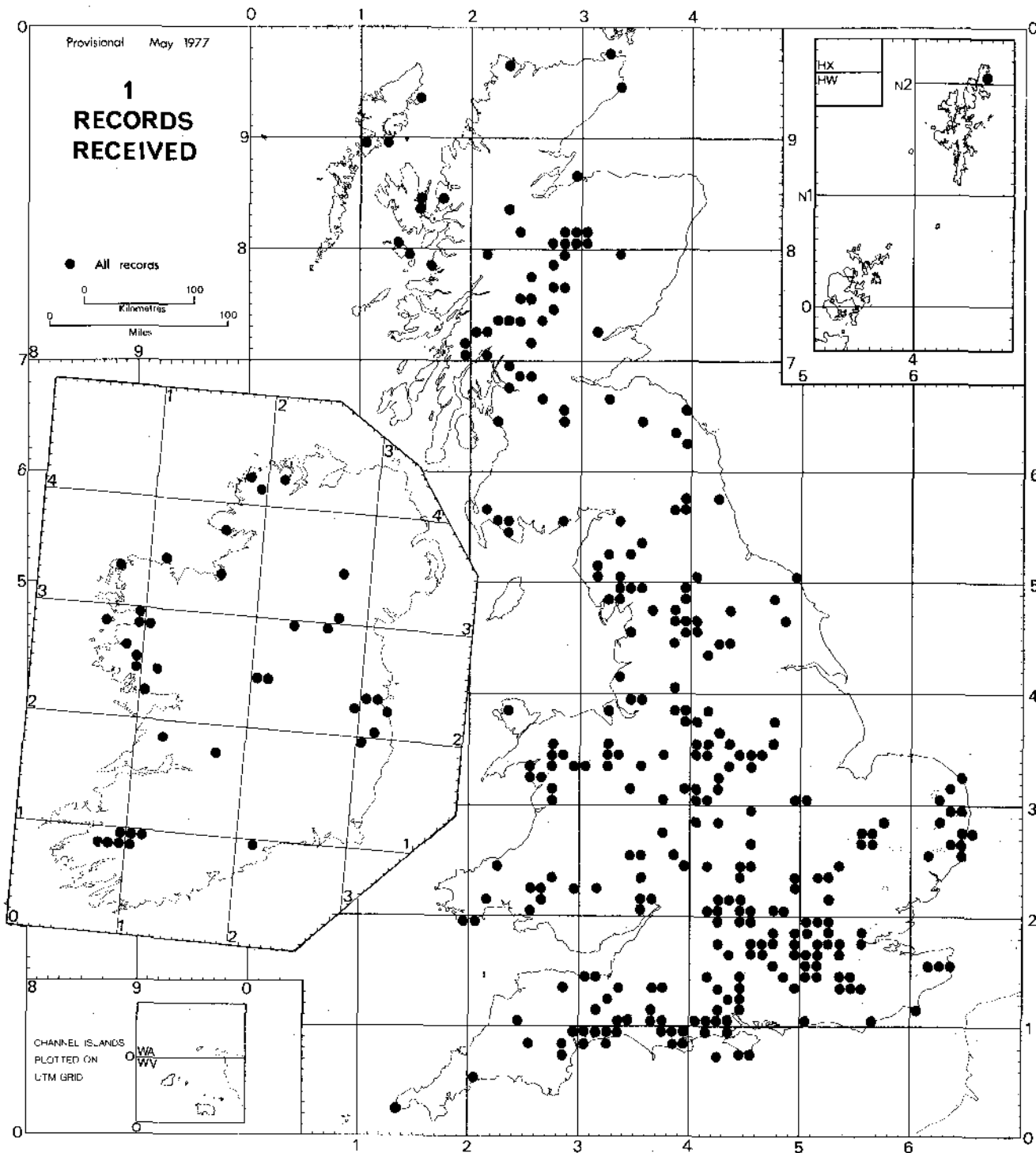


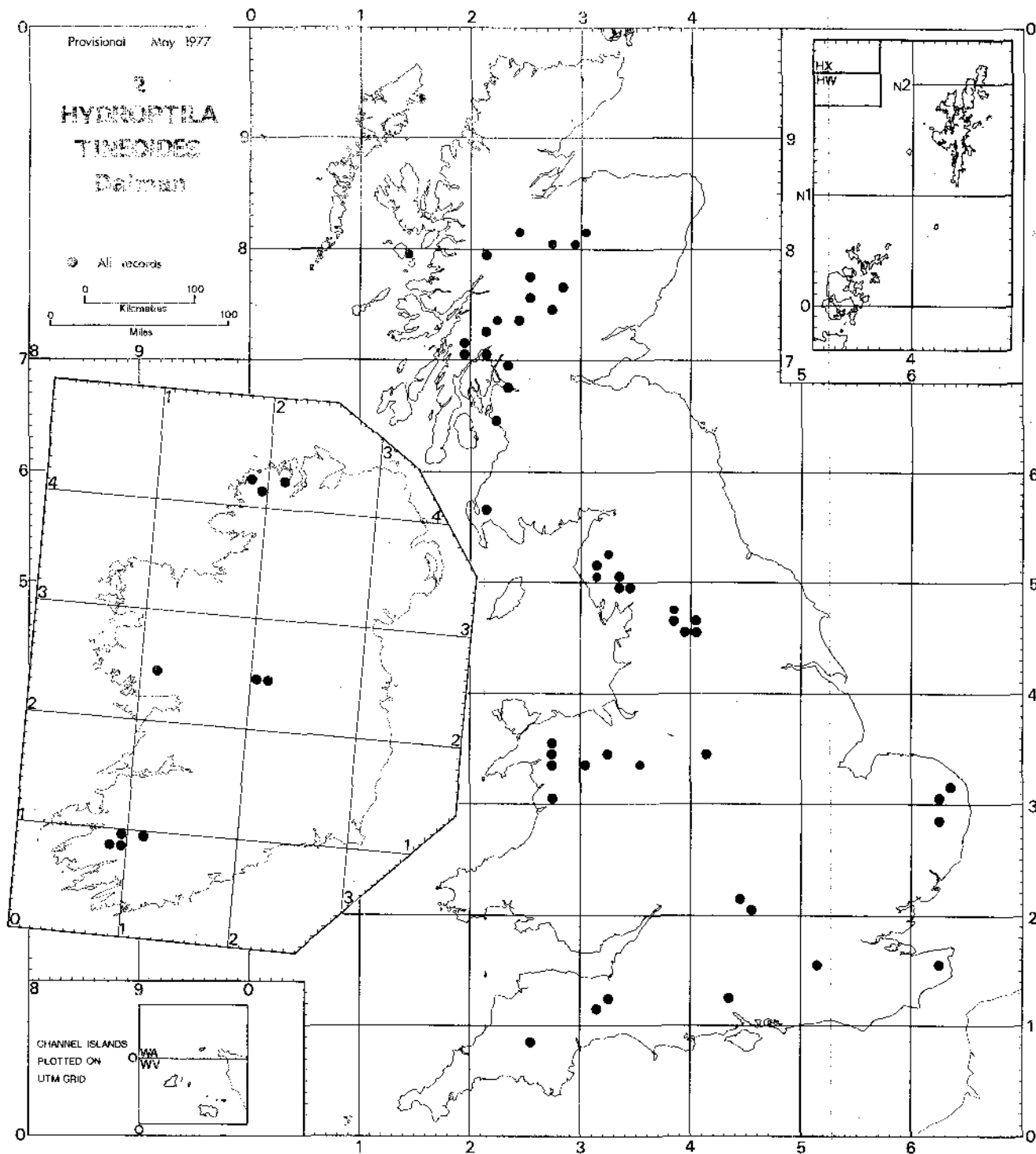
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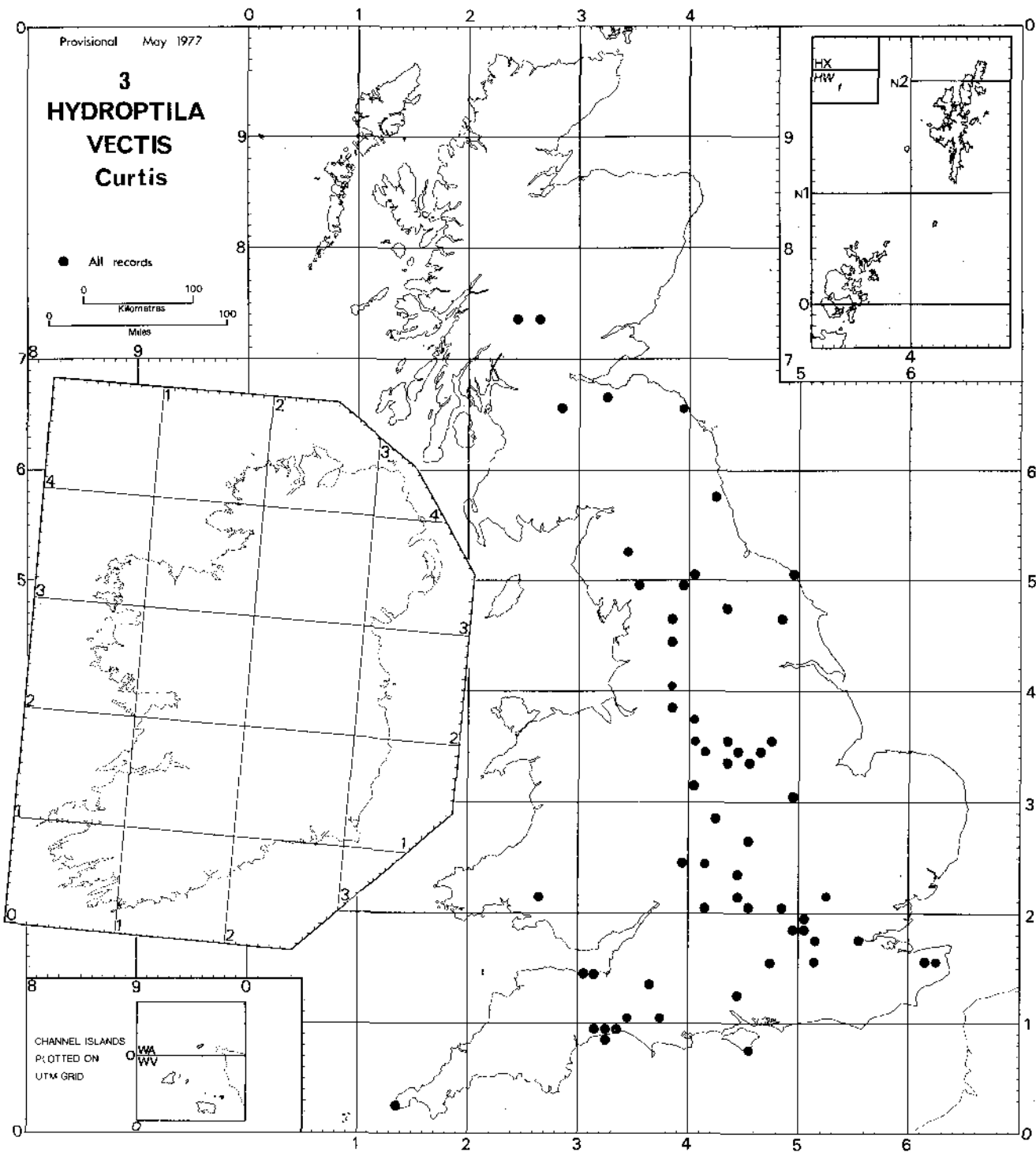
The numbers given after each entry are the map numbers

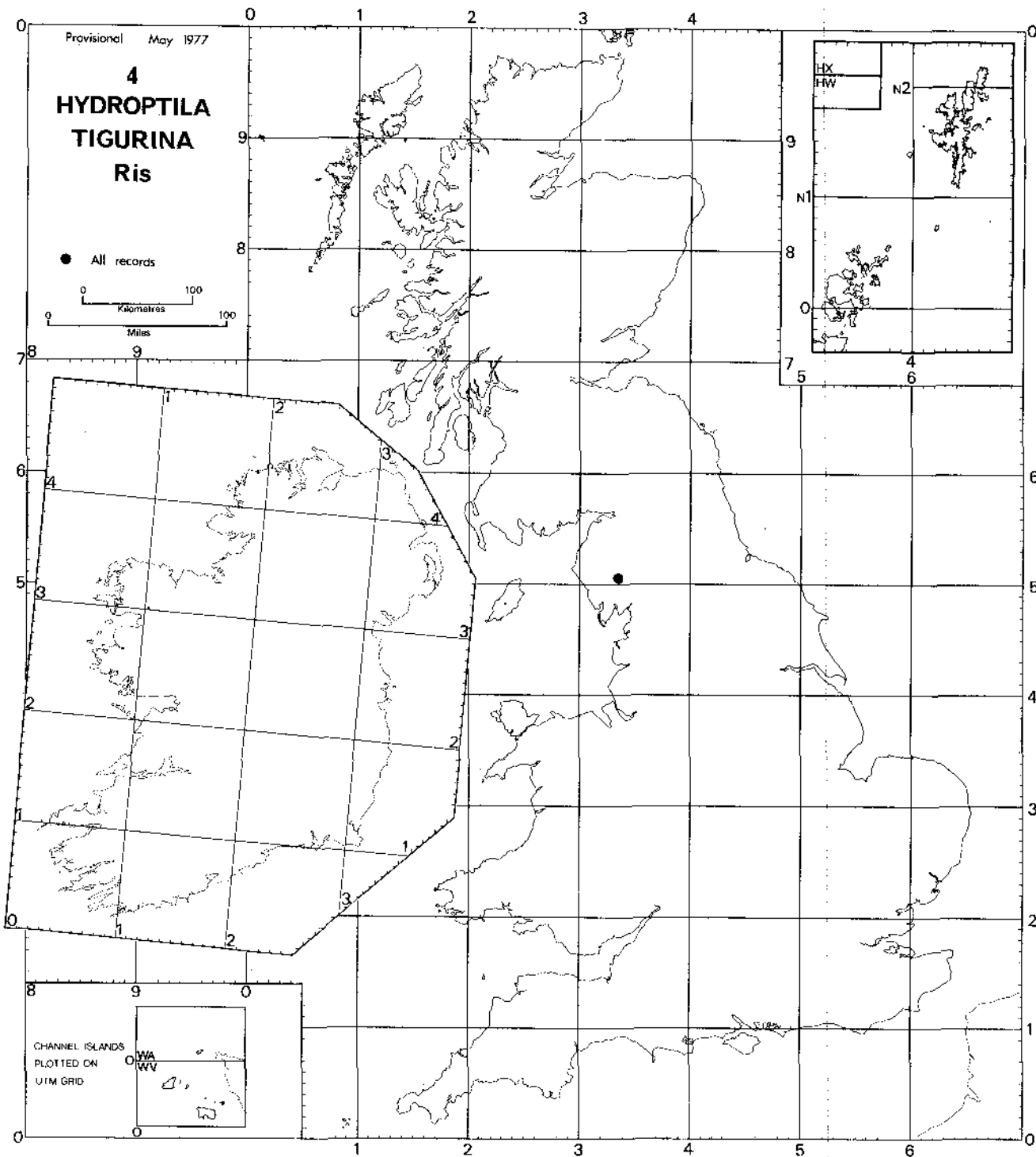
<i>Agraylea multipunctata</i> Curtis	20
<i>Agraylea sexmaculata</i> Curtis	21
<i>Allotrichia pallicornis</i> (Eaton)	22
<i>Hydroptila angulata</i> Mosely	11
<i>Hydroptila cornuta</i> Mosely	9
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<i>Hydroptila lotensis</i> Mosely	12
<i>Hydroptila martini</i> Marshall	13
<i>Hydroptila occulta</i> (Eaton)	14
<i>Hydroptila occulta</i> (Eaton) s.l.	15
<i>Hydroptila pulchricornis</i> Pictet	6
<i>Hydroptila simulans</i> Mosely	10
<i>Hydroptila sparsa</i> Curtis	8
<i>Hydroptila sylvestris</i> Morton	7
<i>Hydroptila tigurina</i> Ris	4
<i>Hydroptila tineoides</i> Dalman	2
<i>Hydroptila valesiaca</i> Schmid	16
<i>Hydroptila vectis</i> Curtis	3
<i>Ithytrichia clavata</i> Morton	24
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<i>Orthotrichia angustella</i> (McLachlan)	17
<i>Orthotrichia costalis</i> (Curtis)	18
<i>Orthotrichia tragetti</i> Mosely	19
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<i>Oxyethira tristella</i> Klapalek	29
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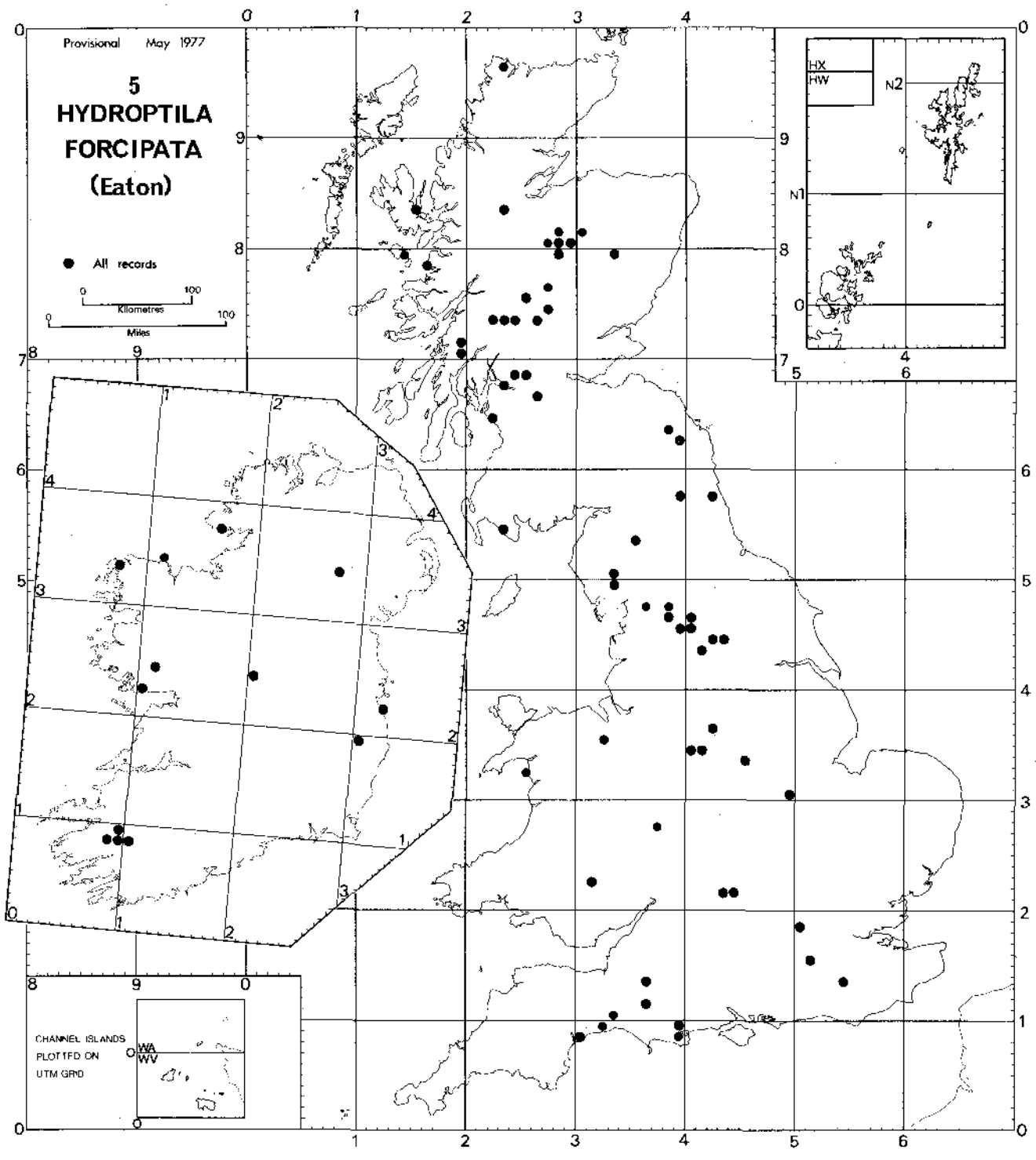


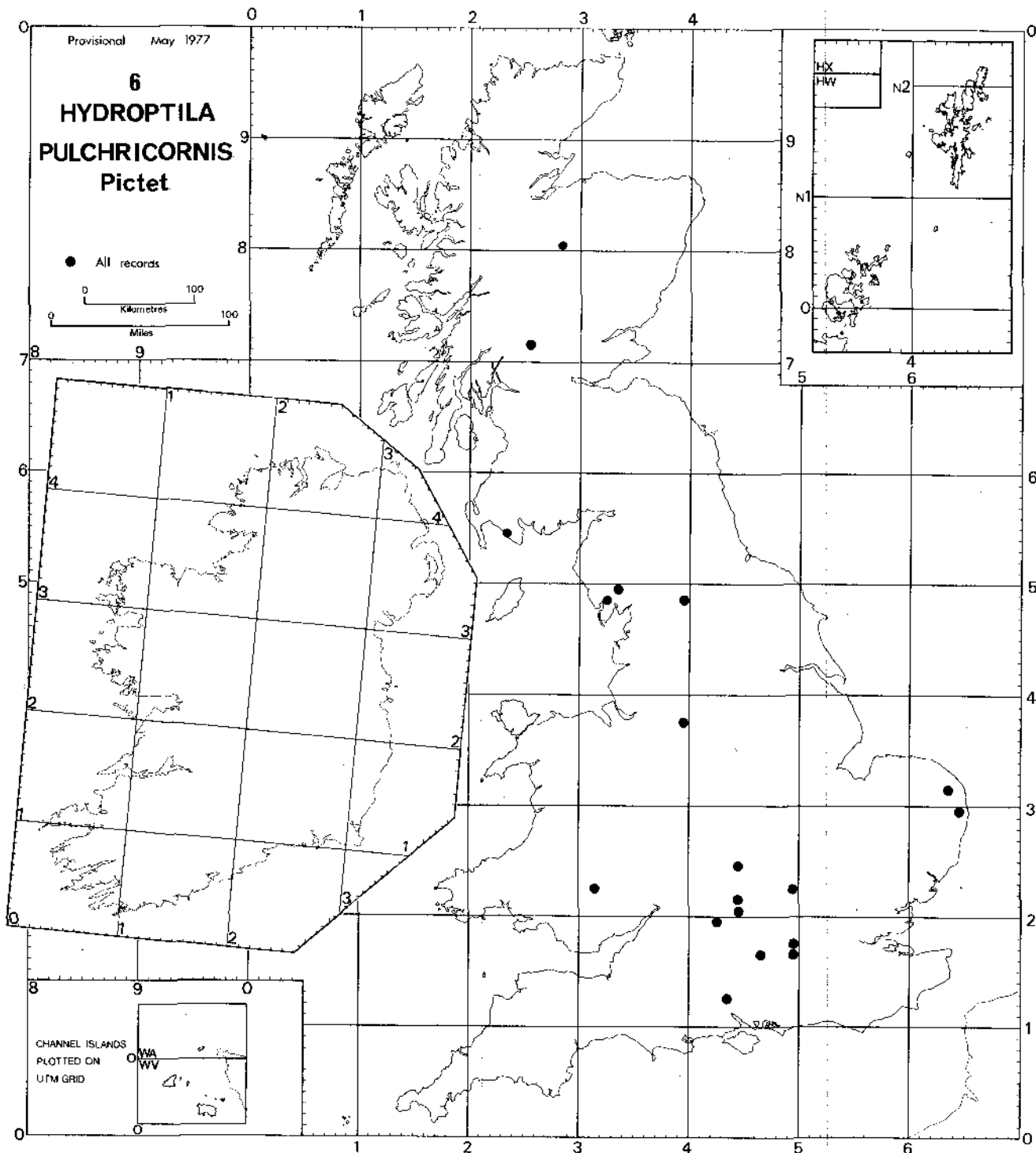


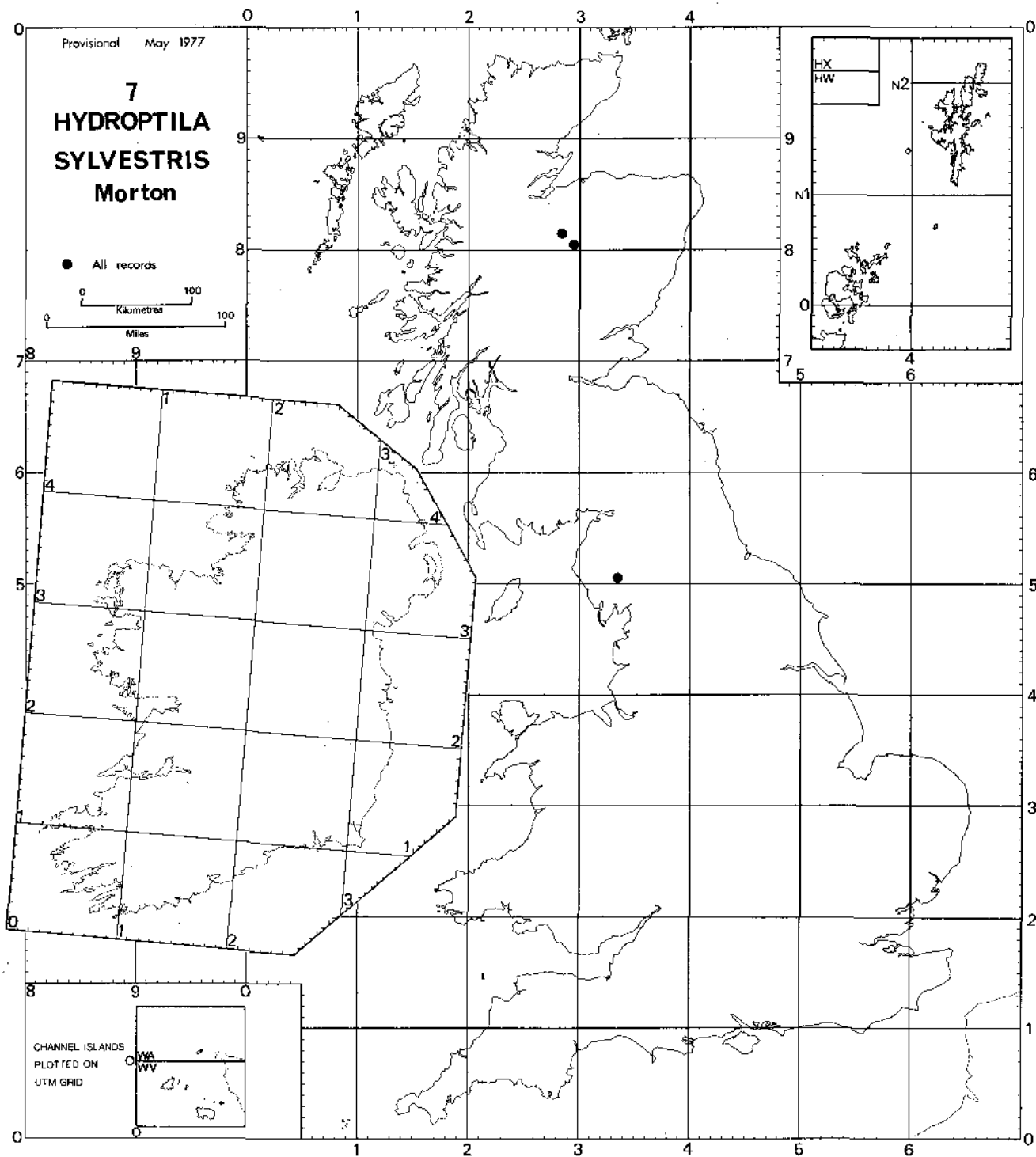


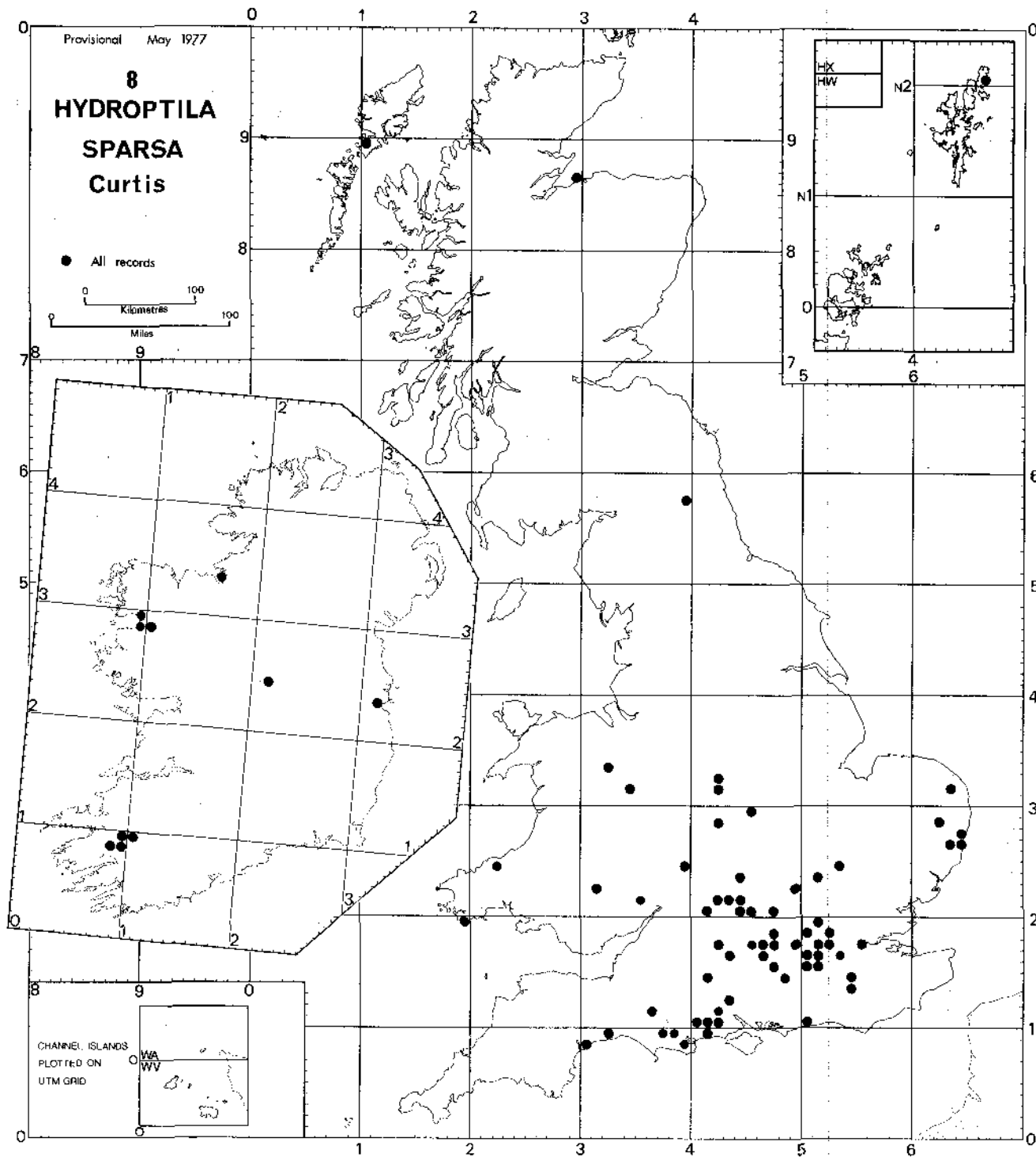


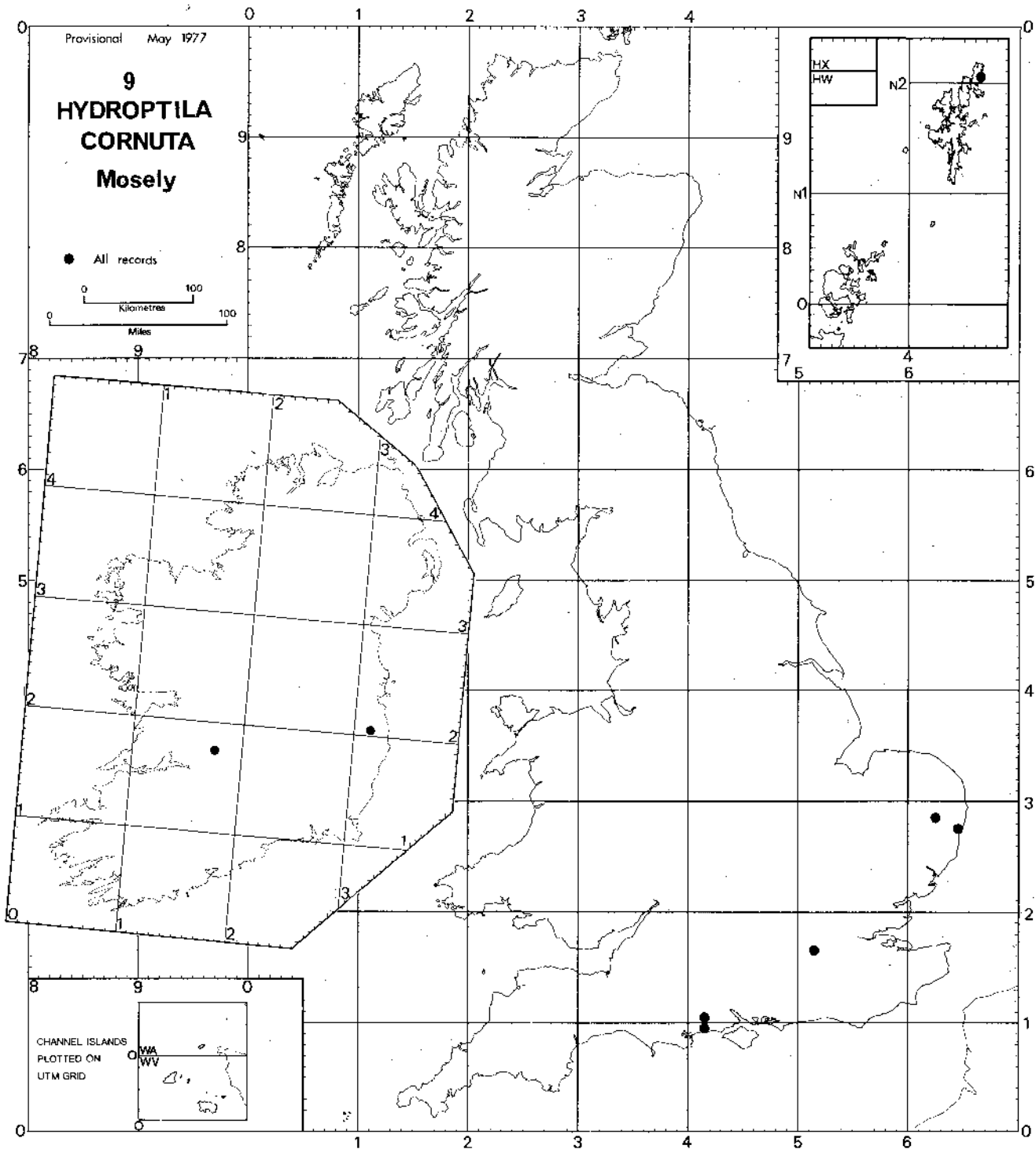


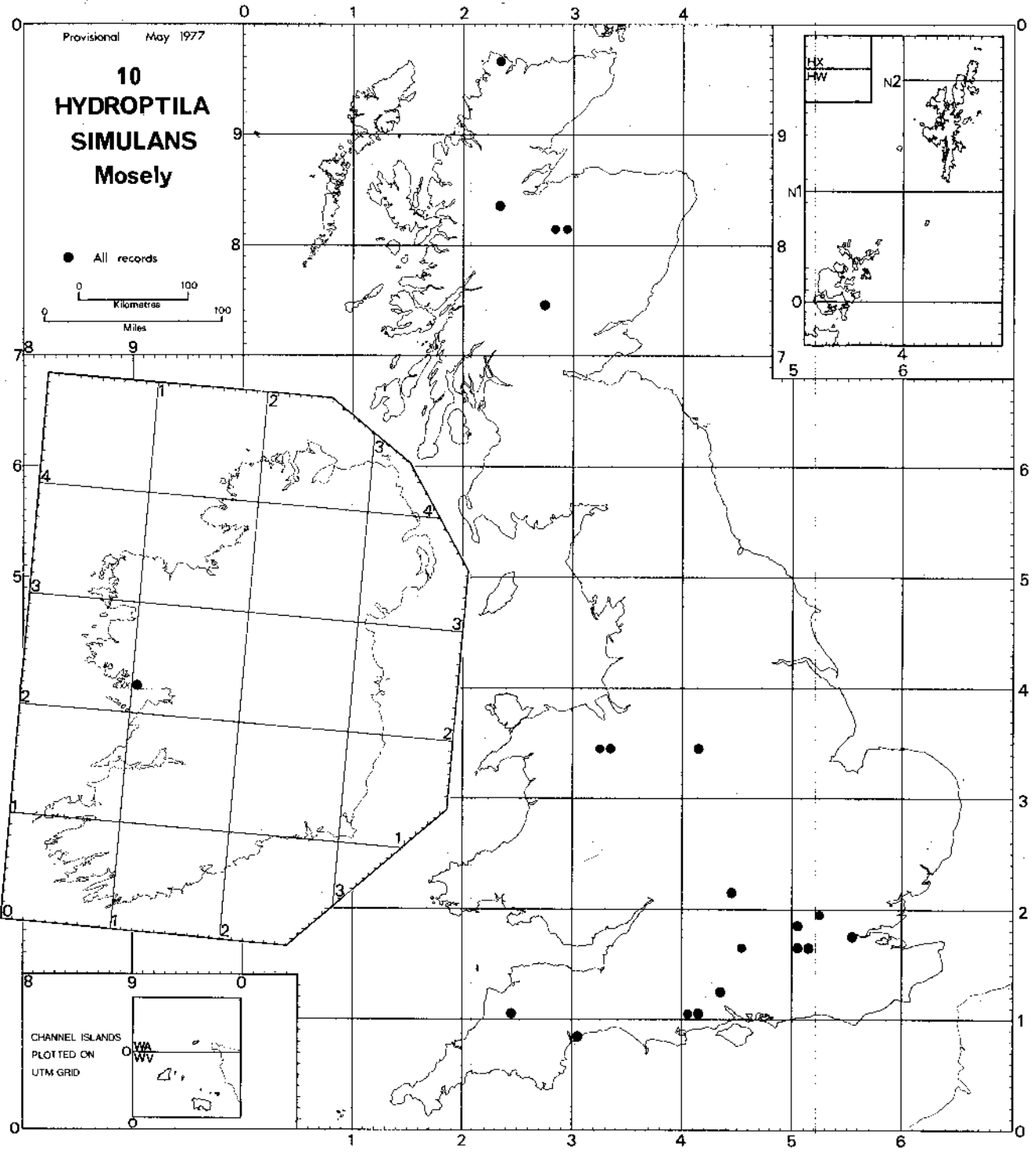


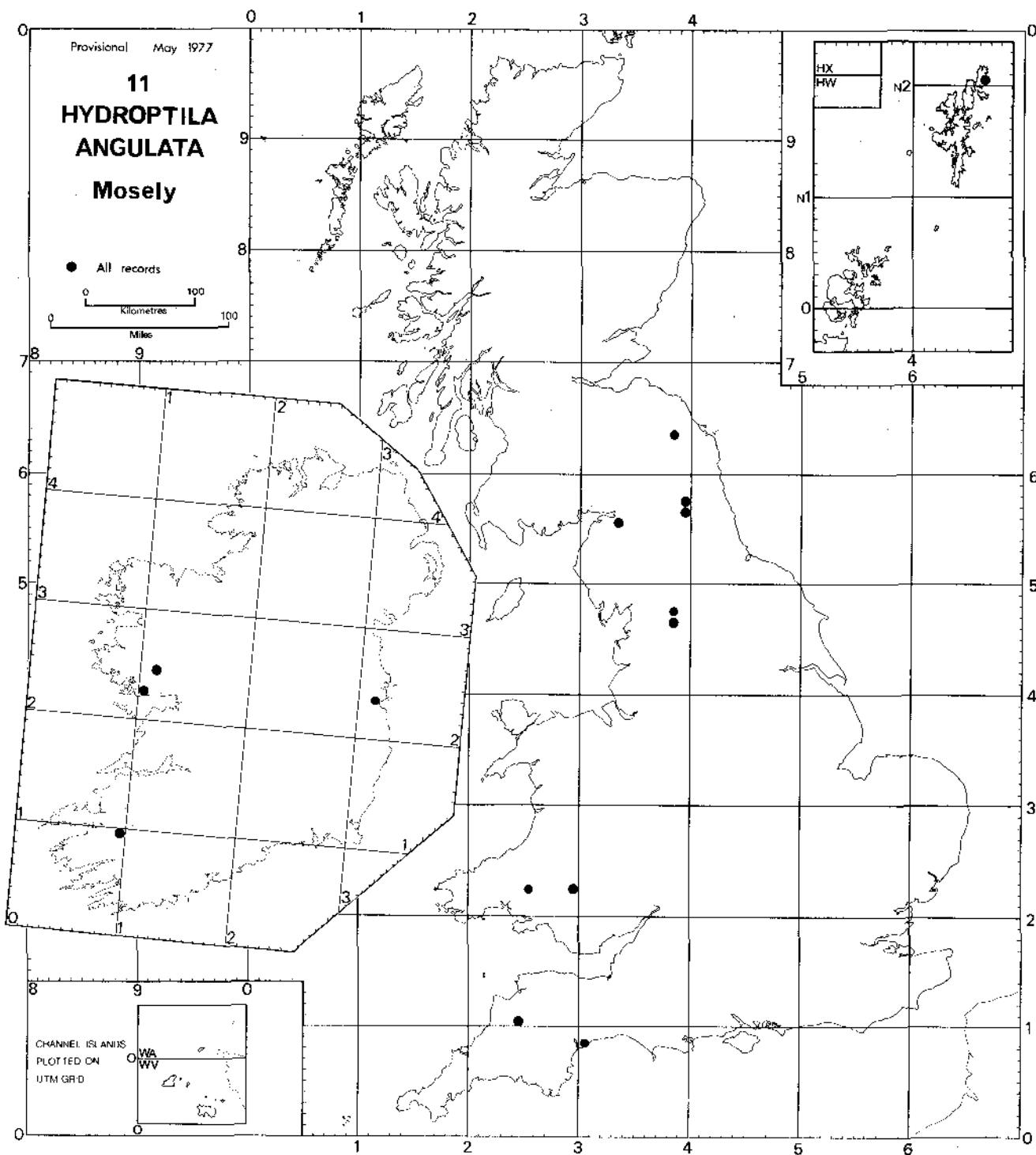


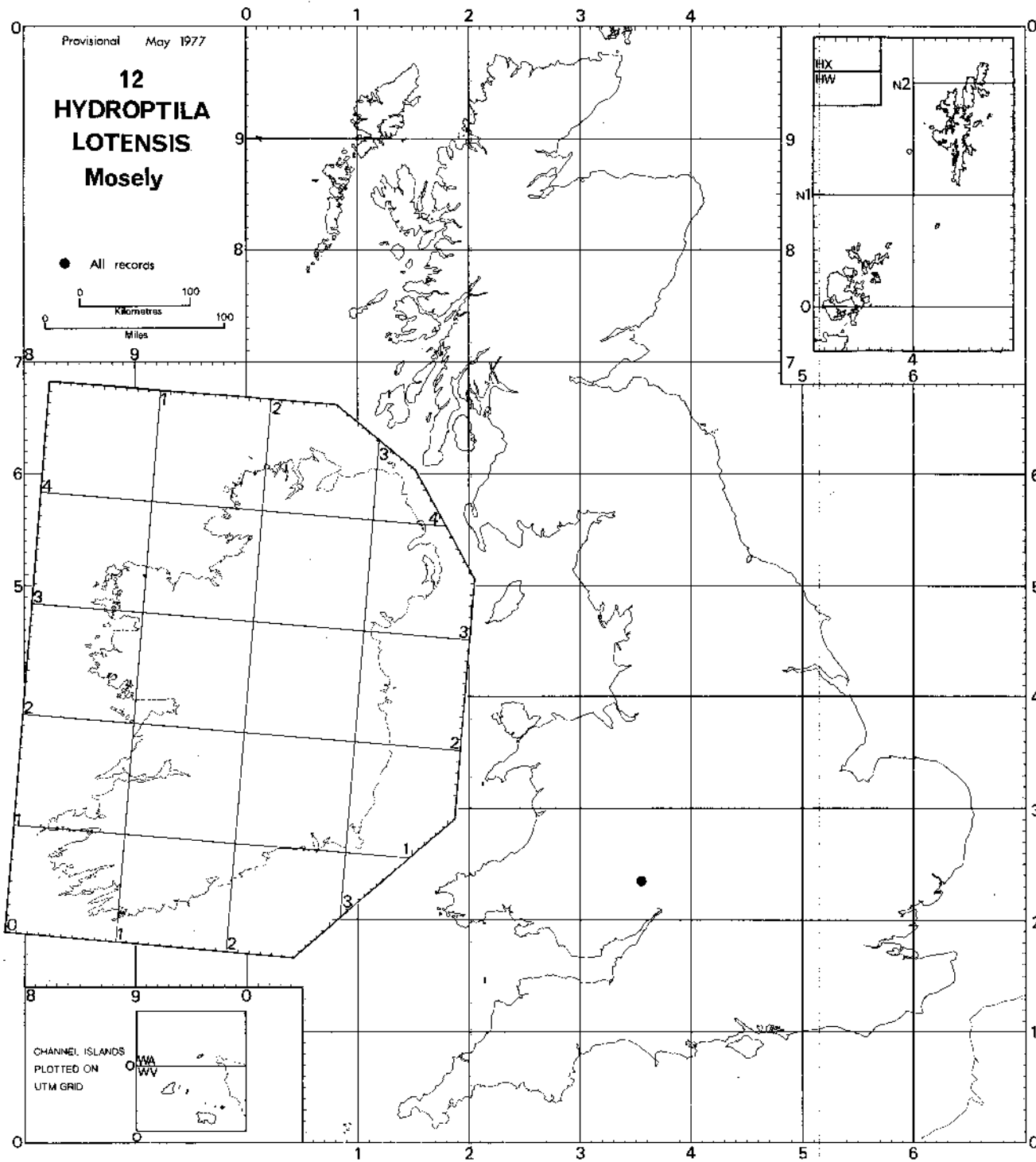


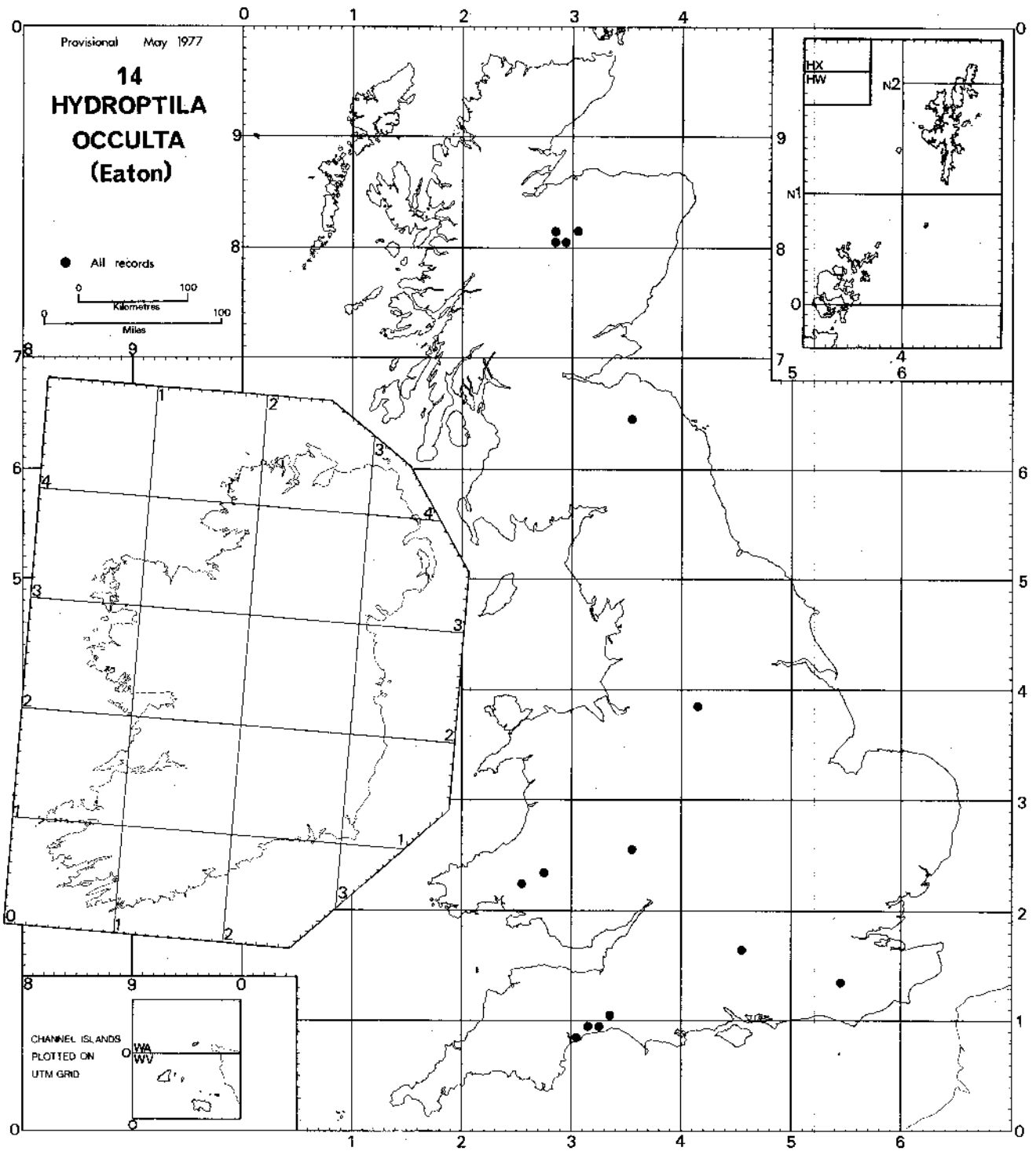


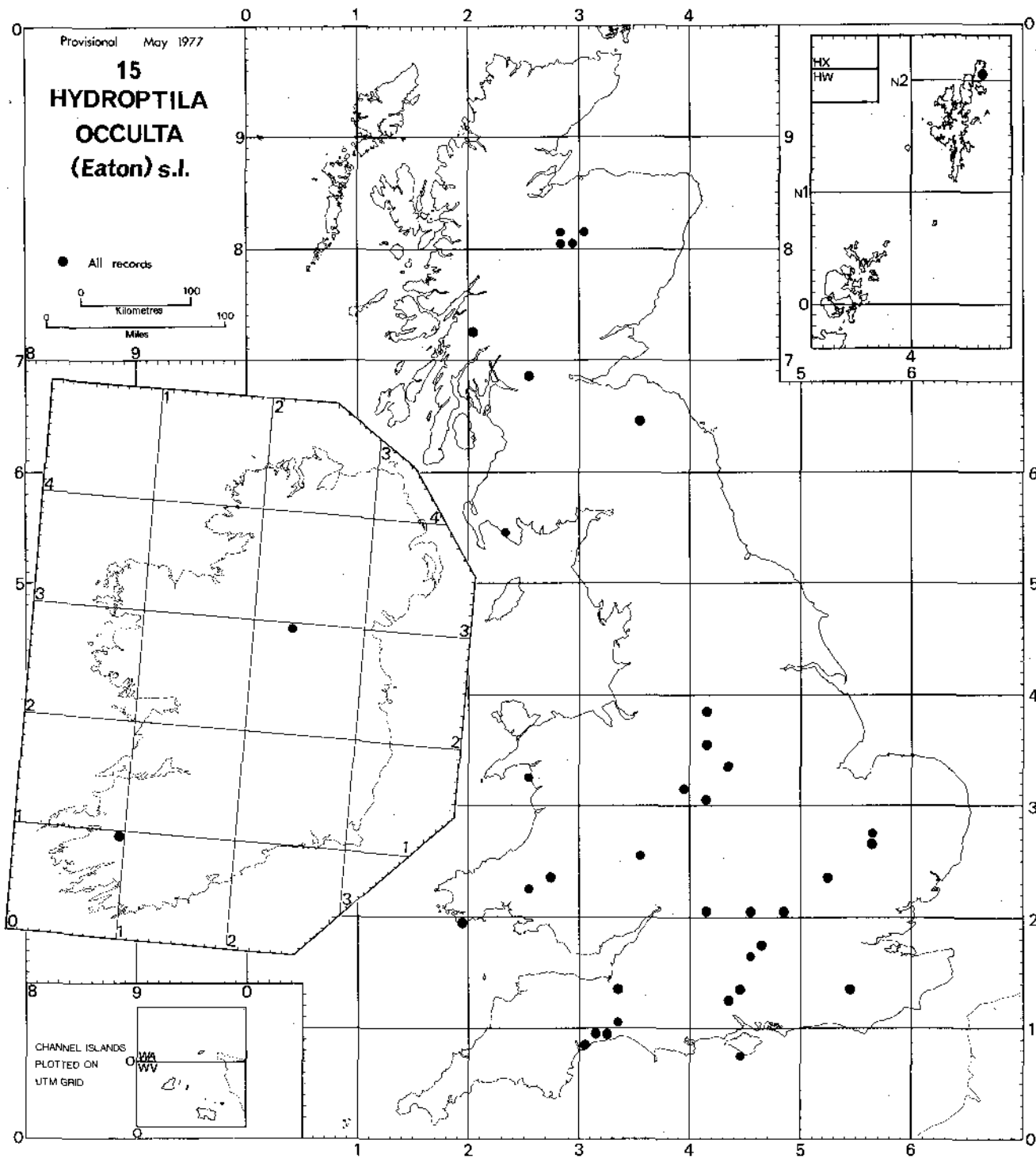


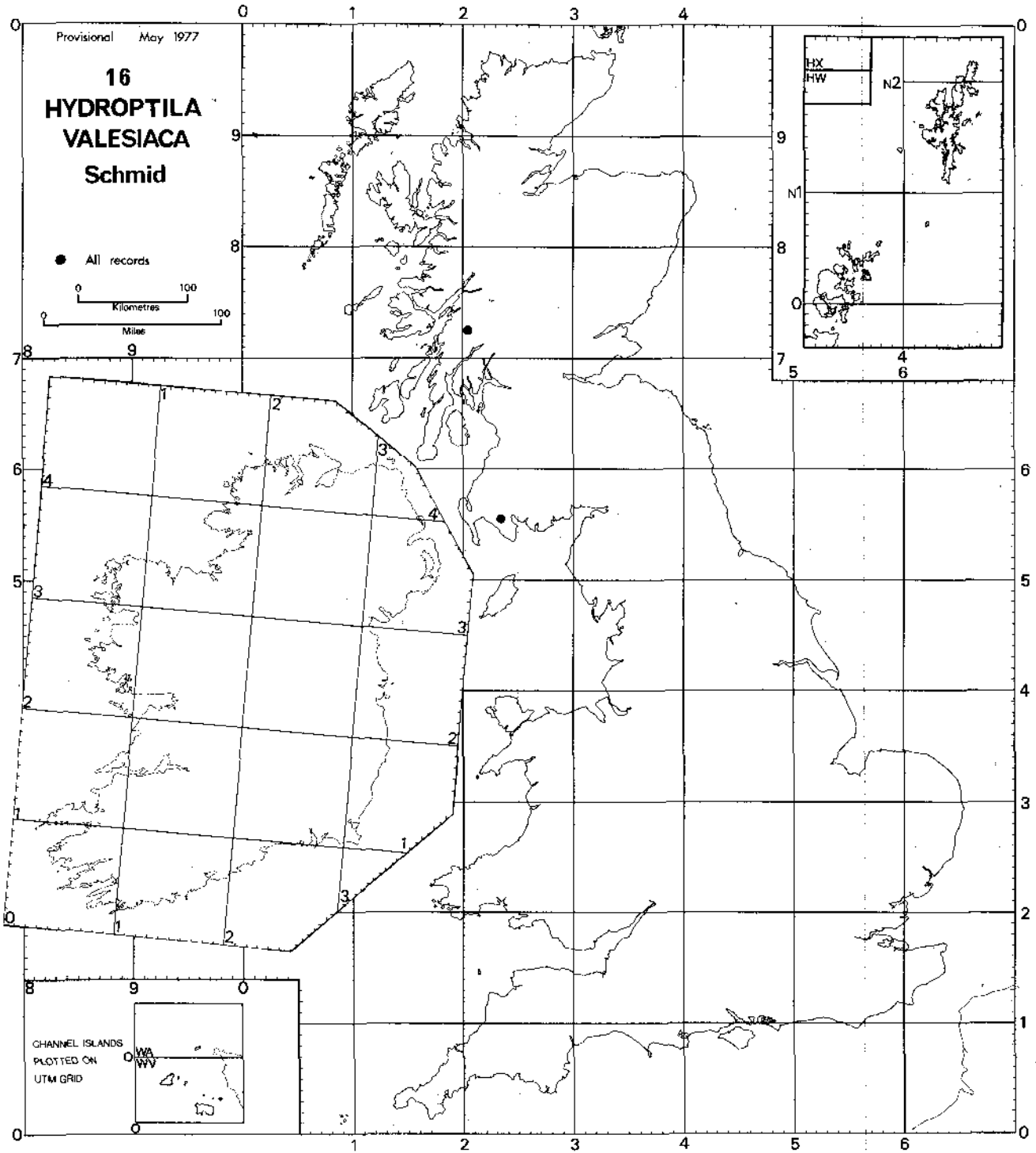


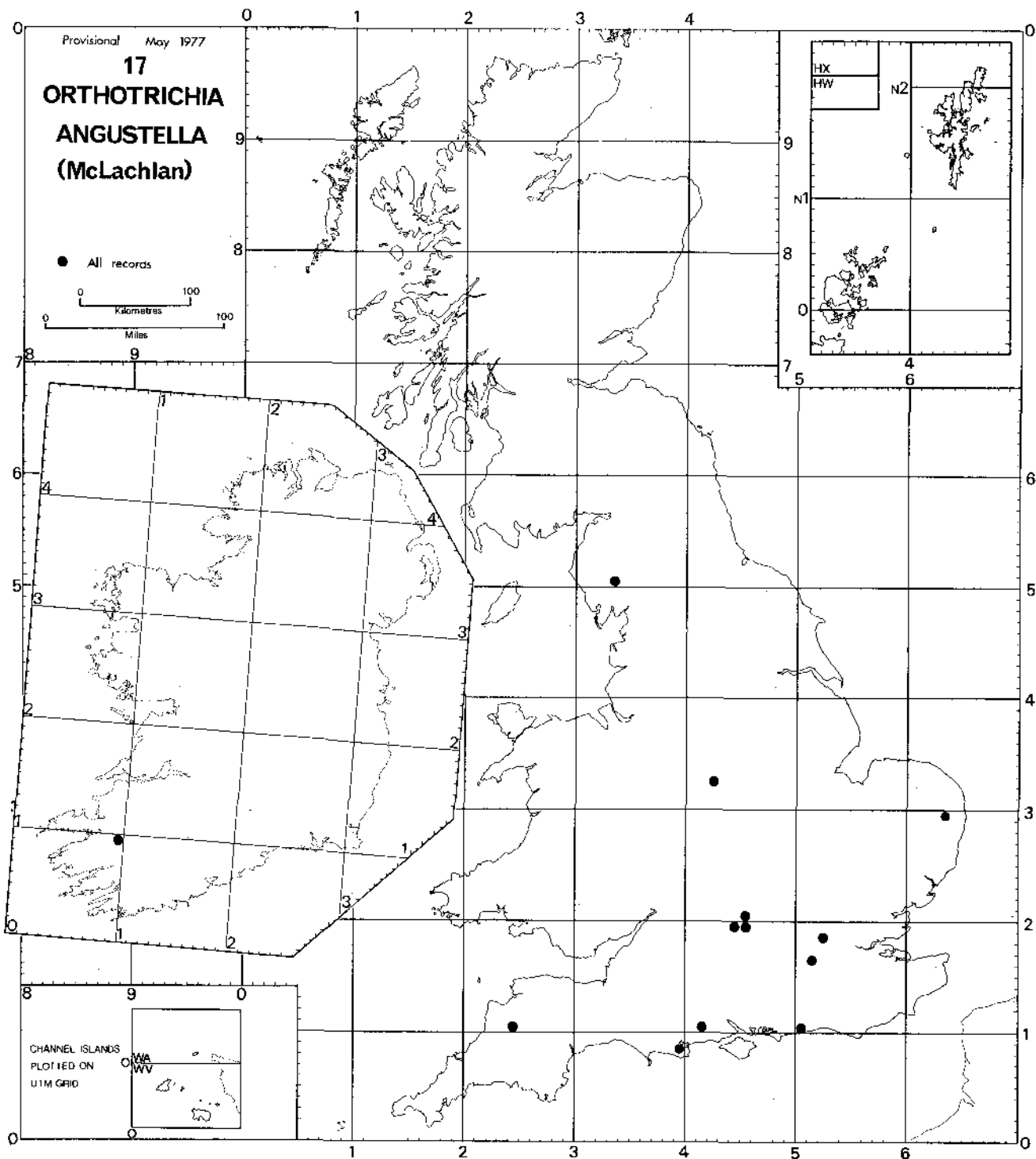


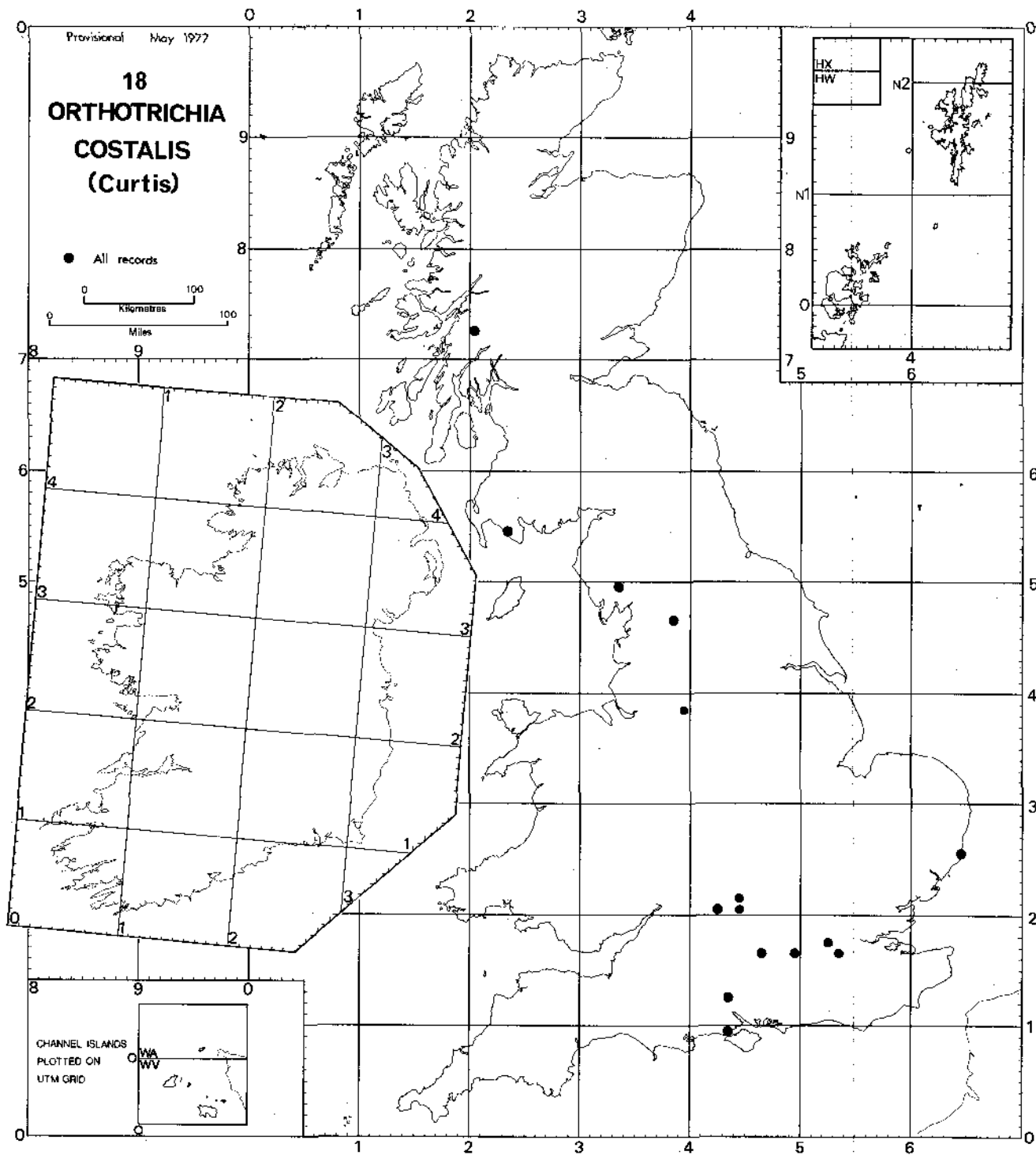


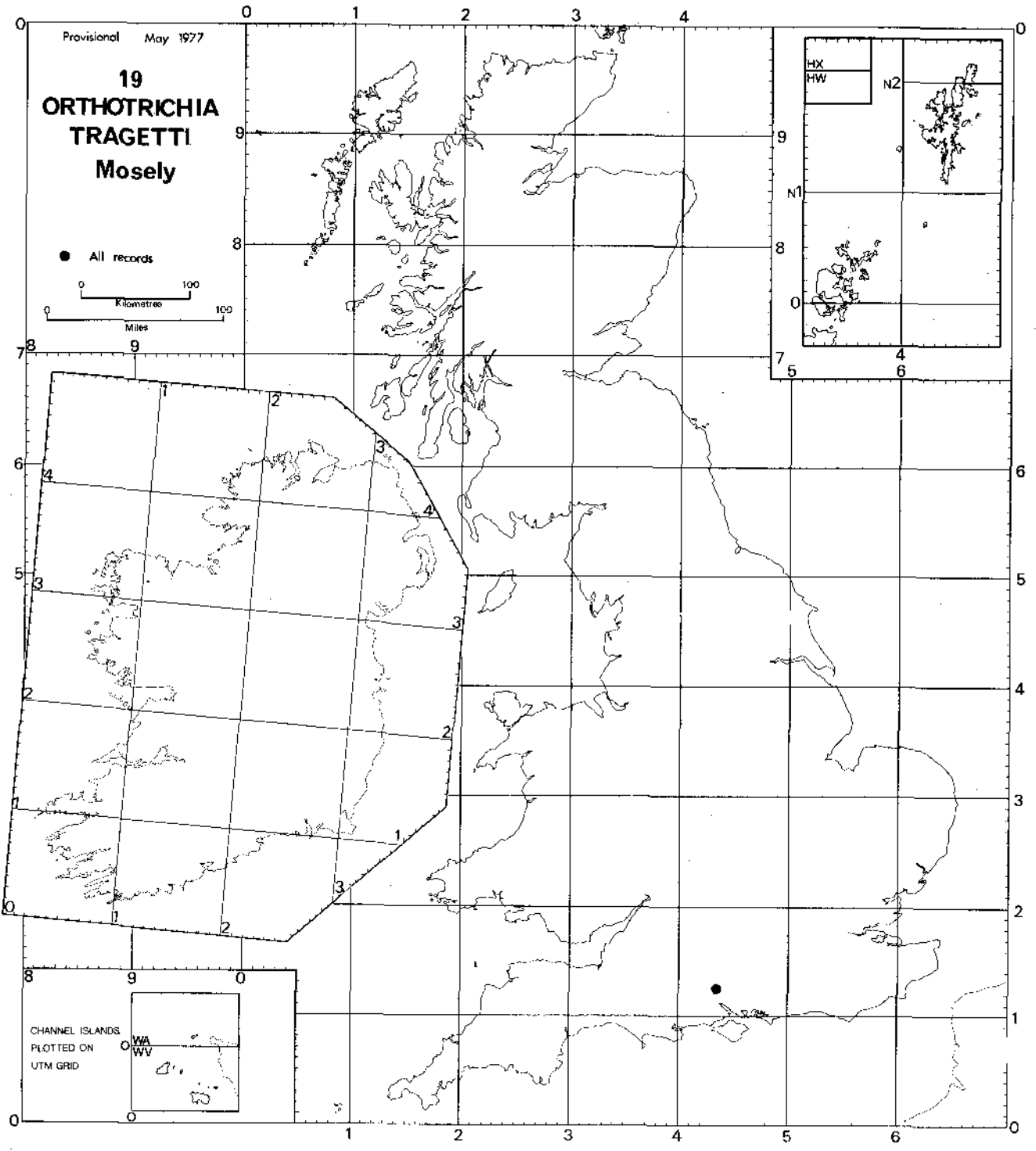


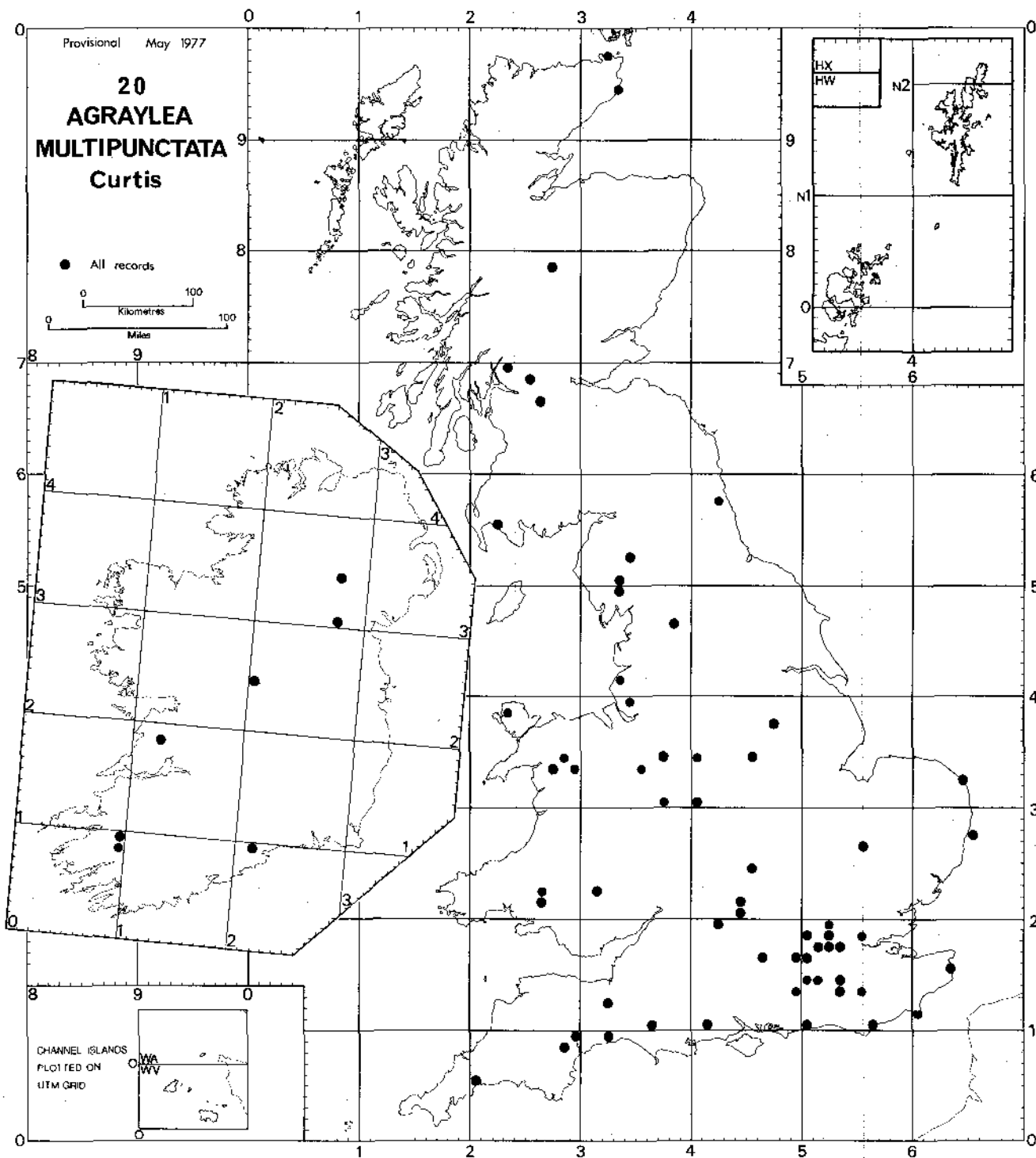


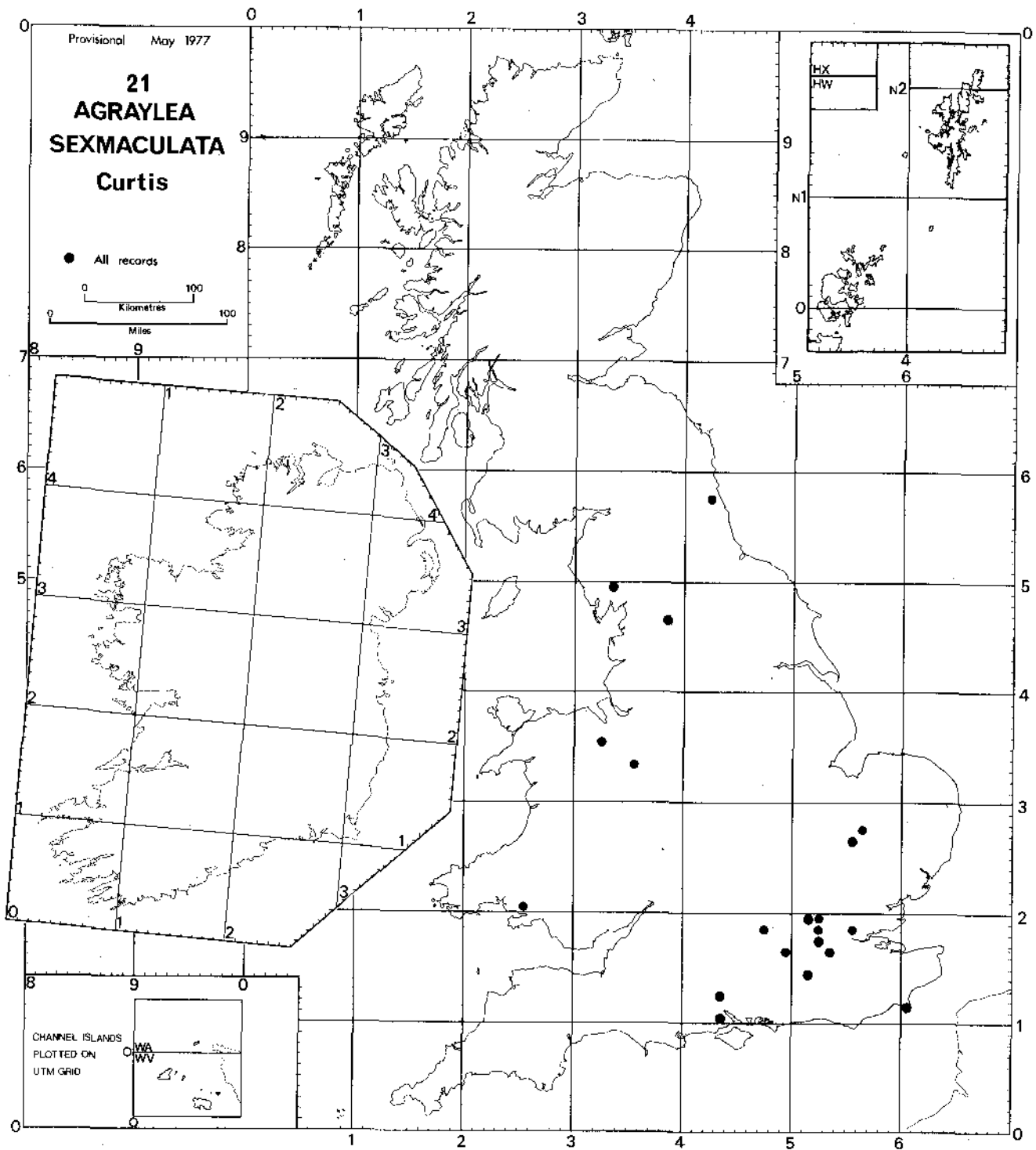


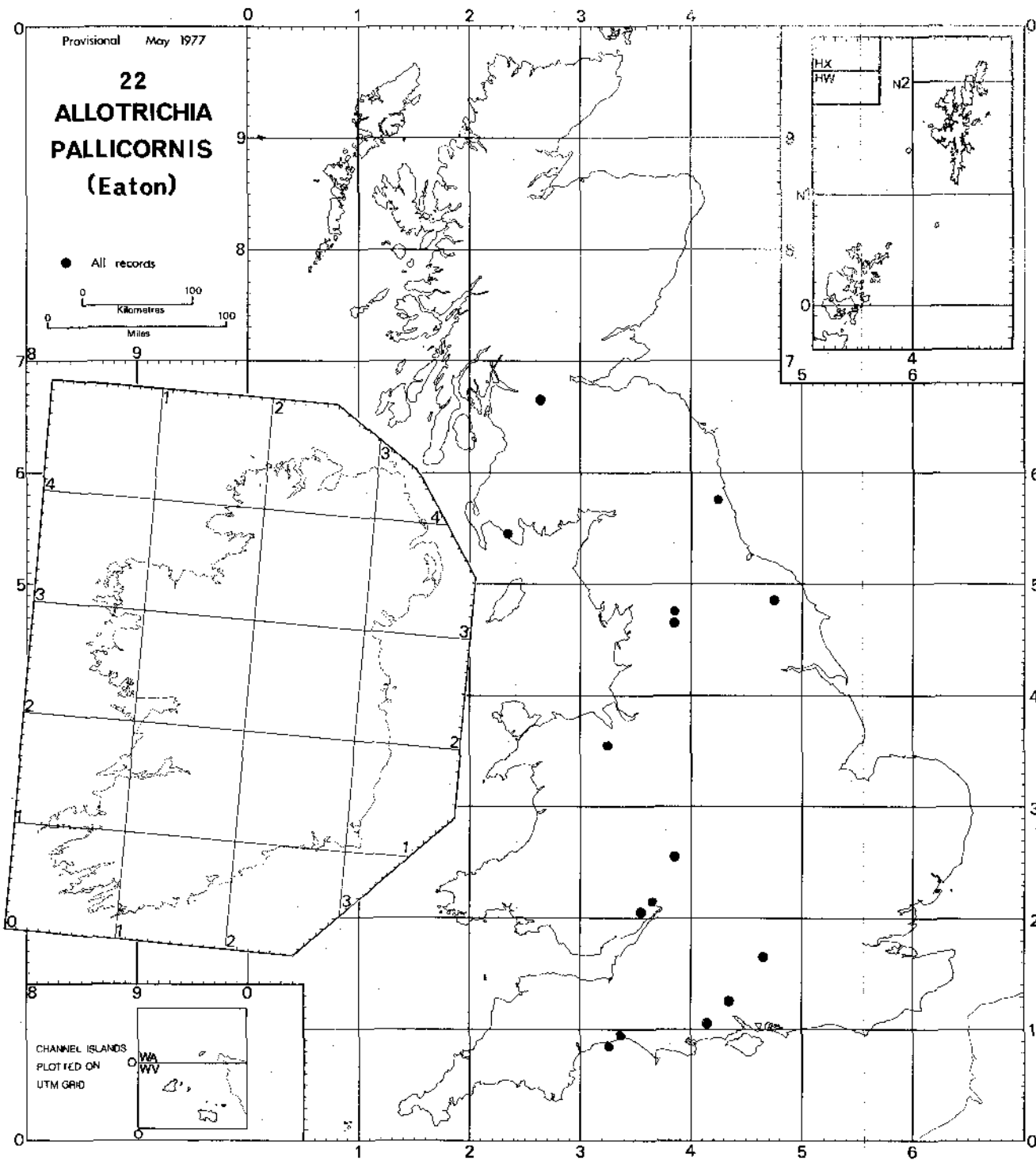


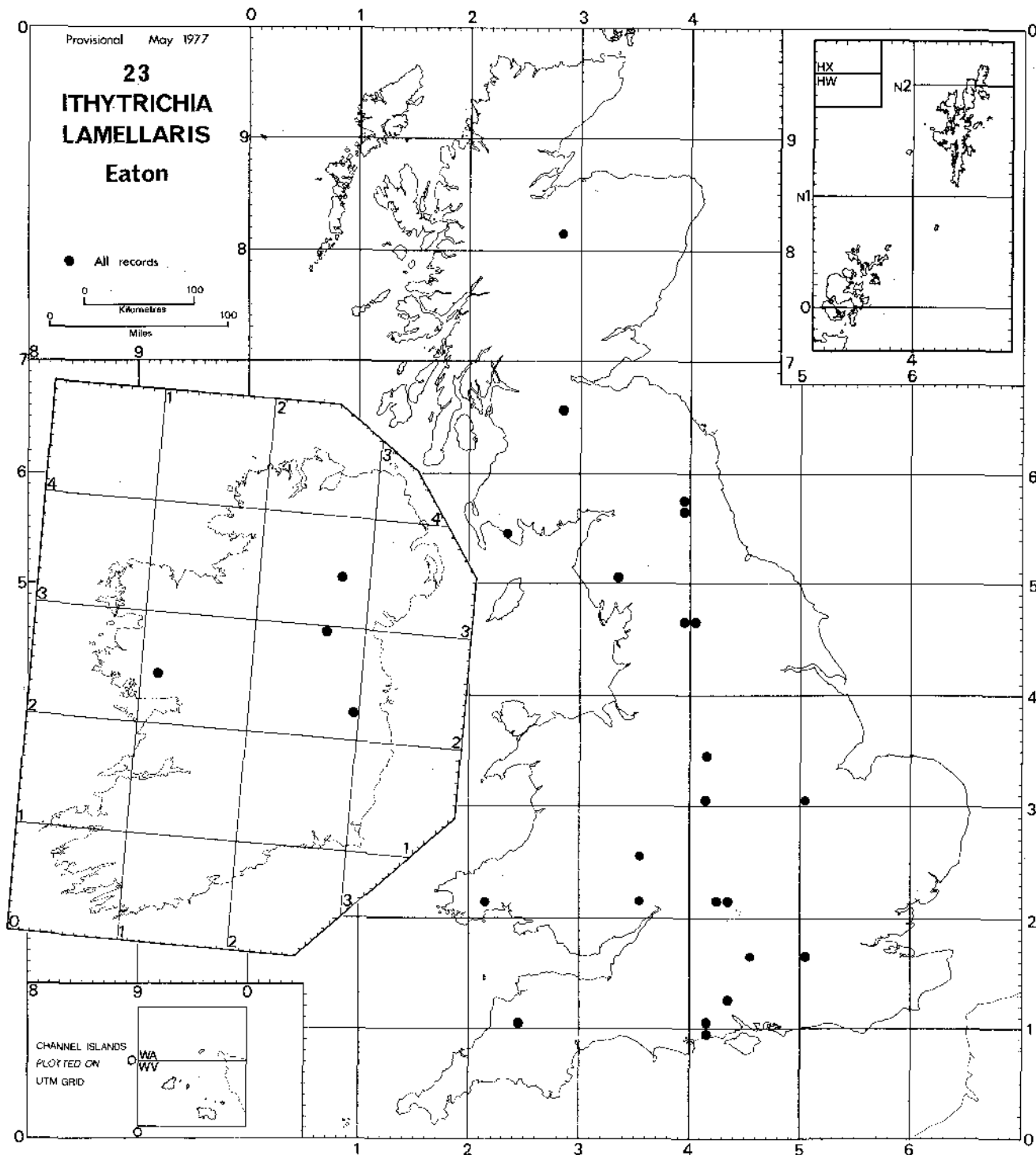


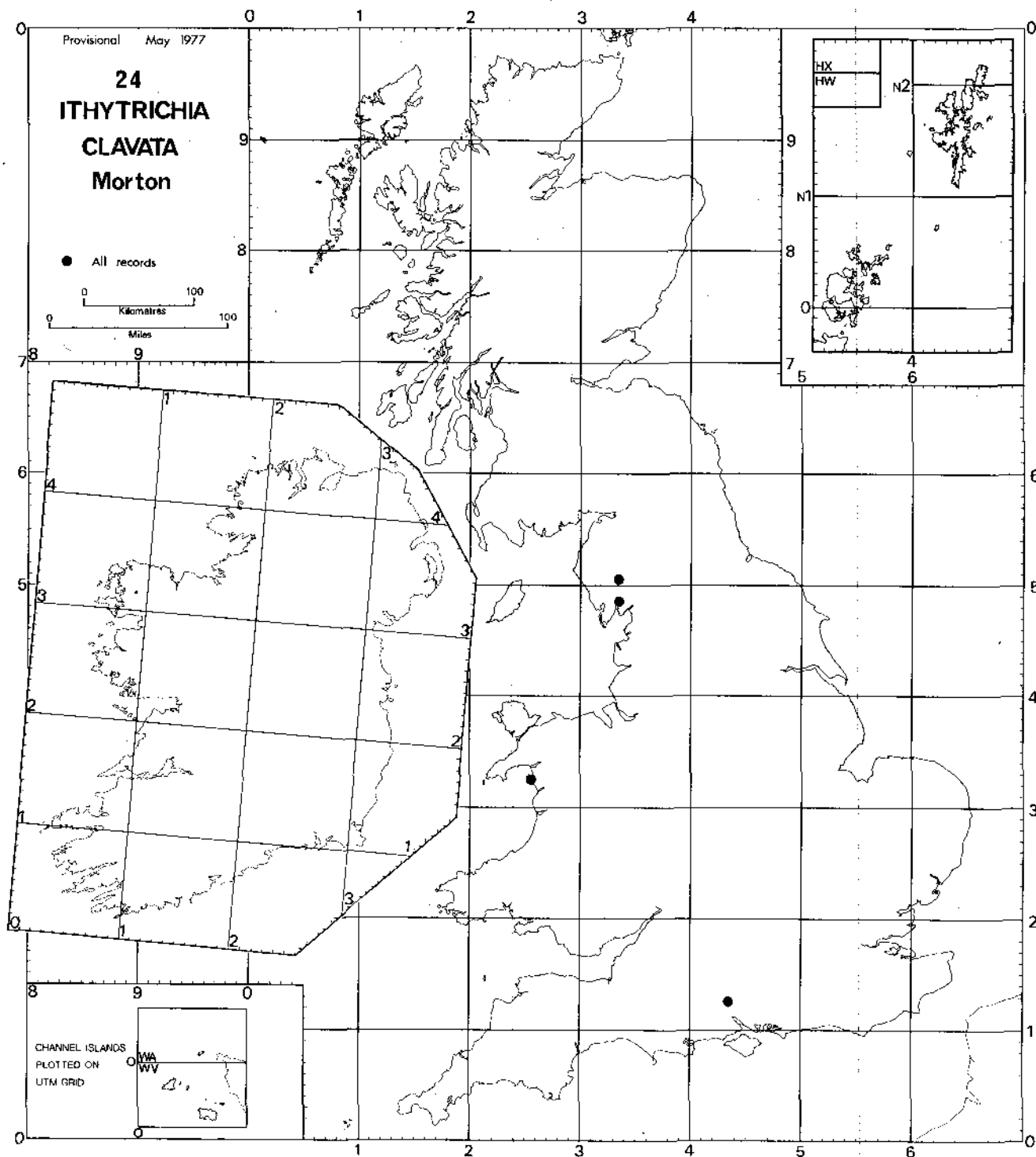


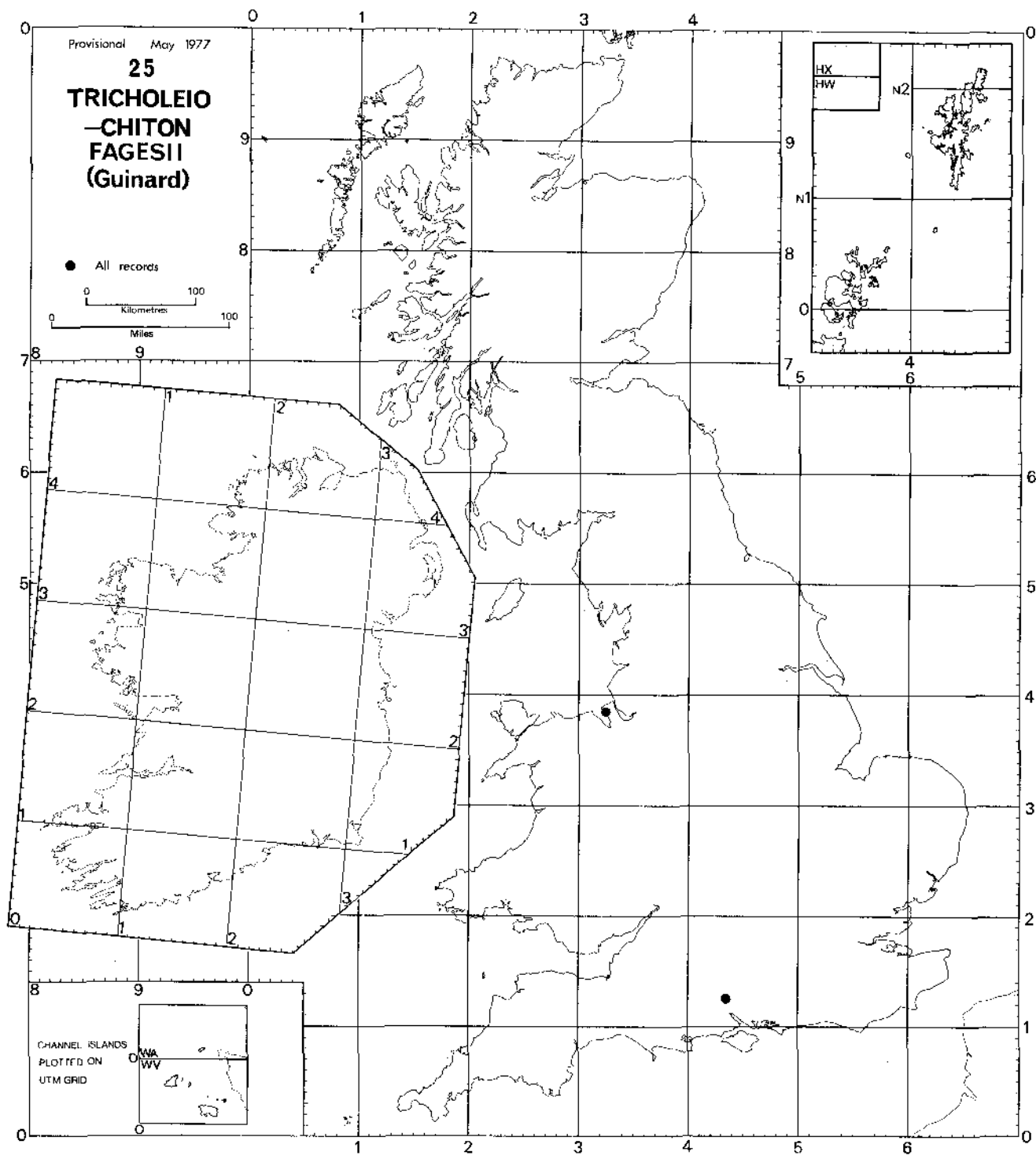


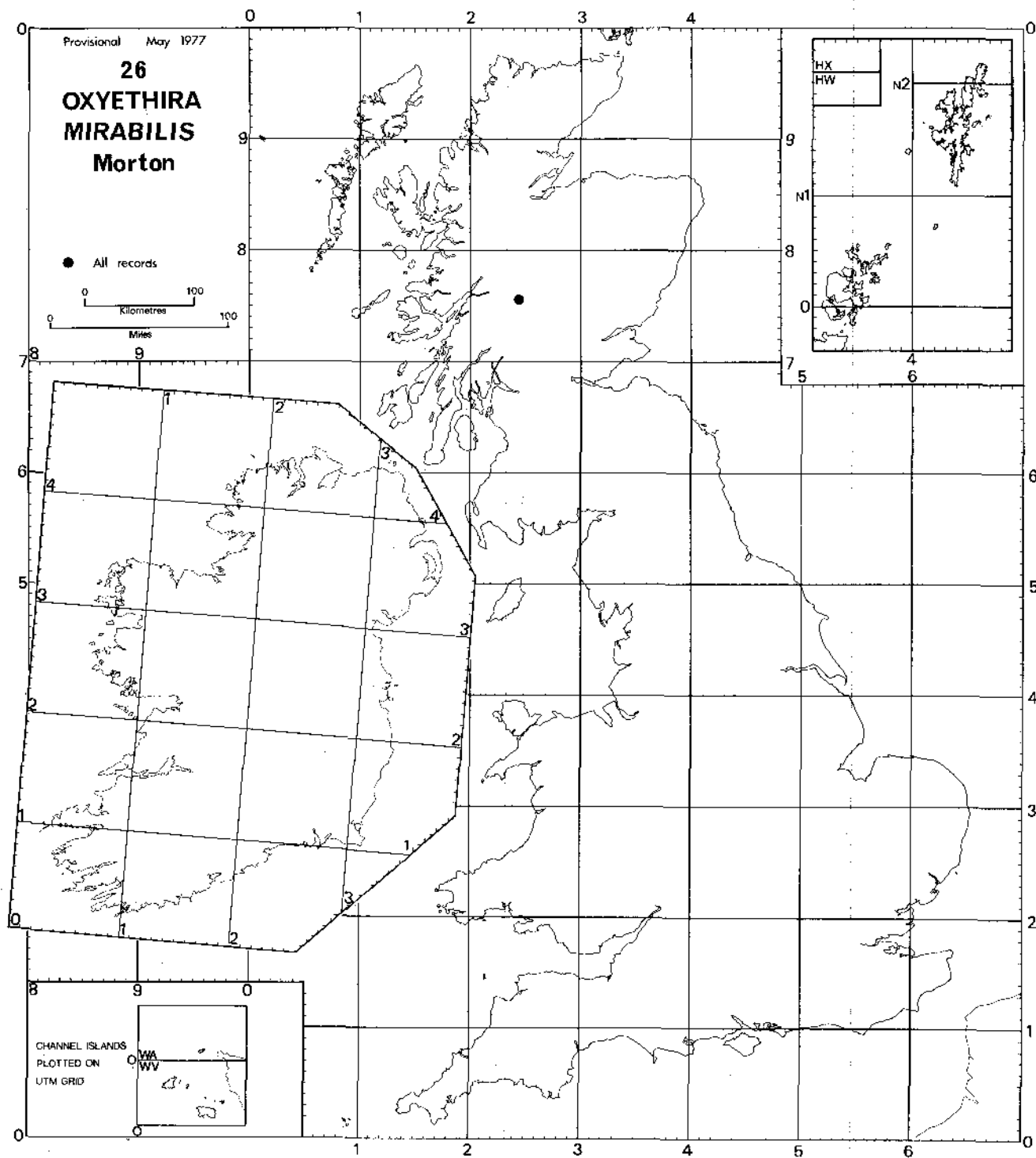


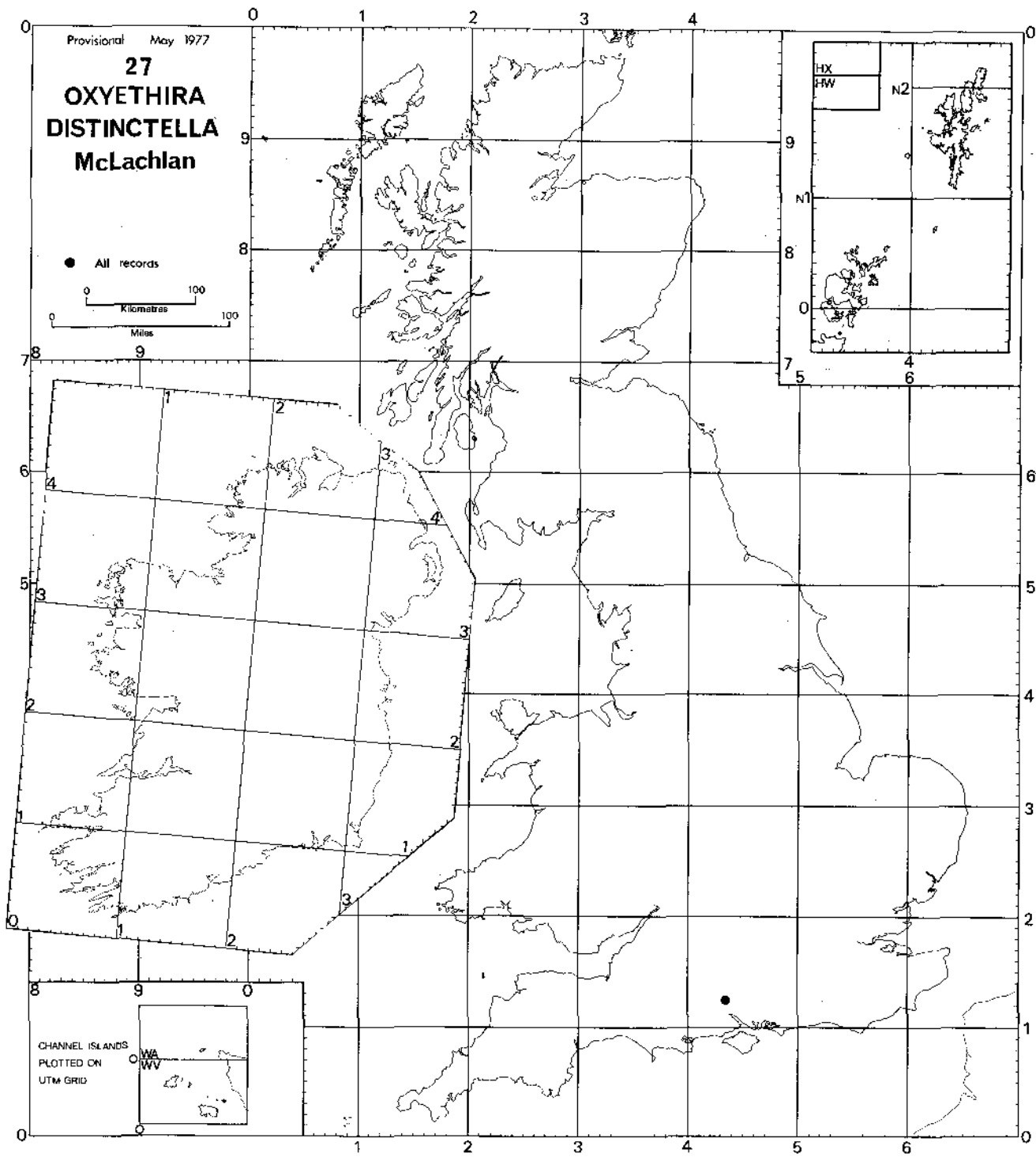


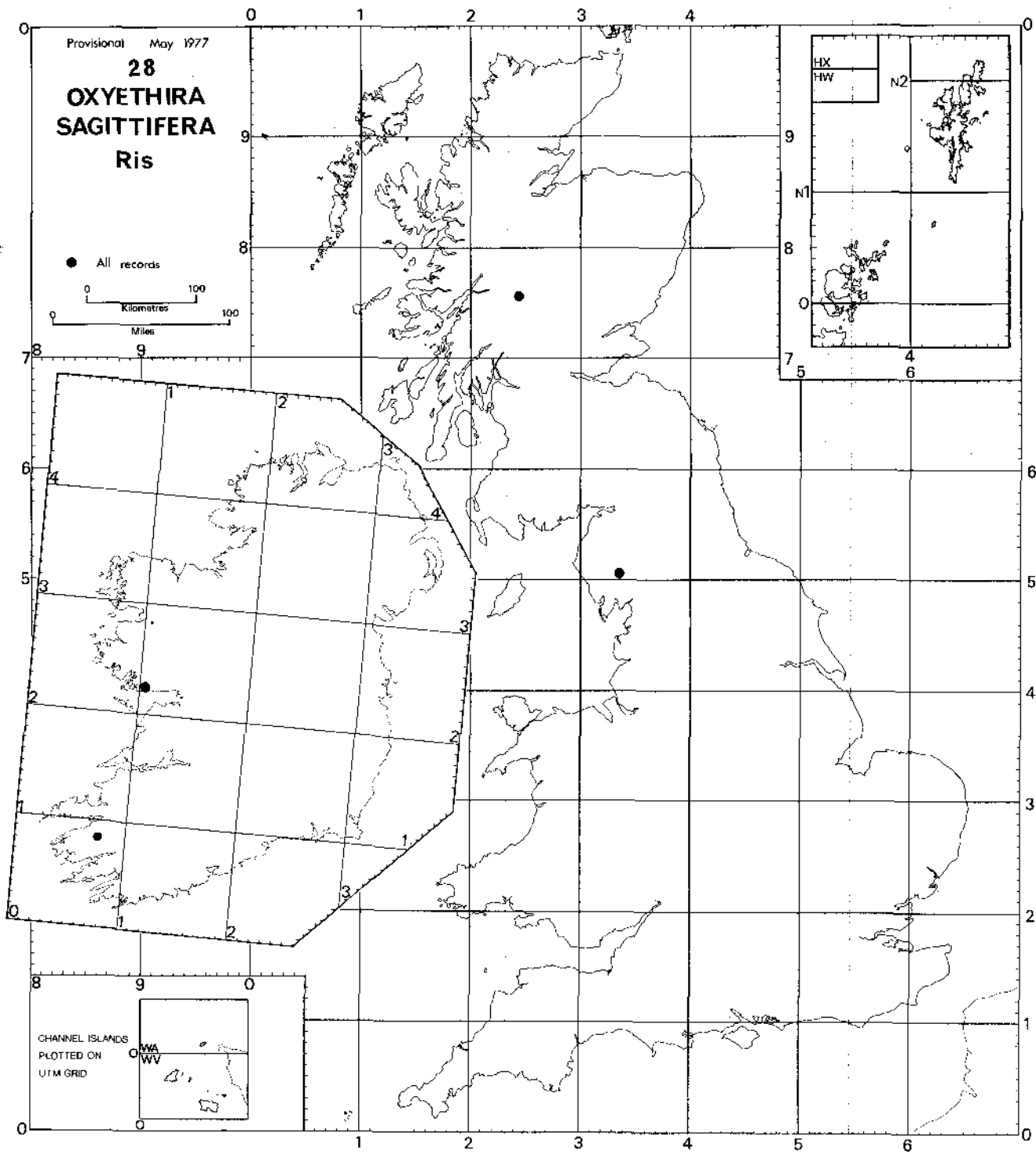


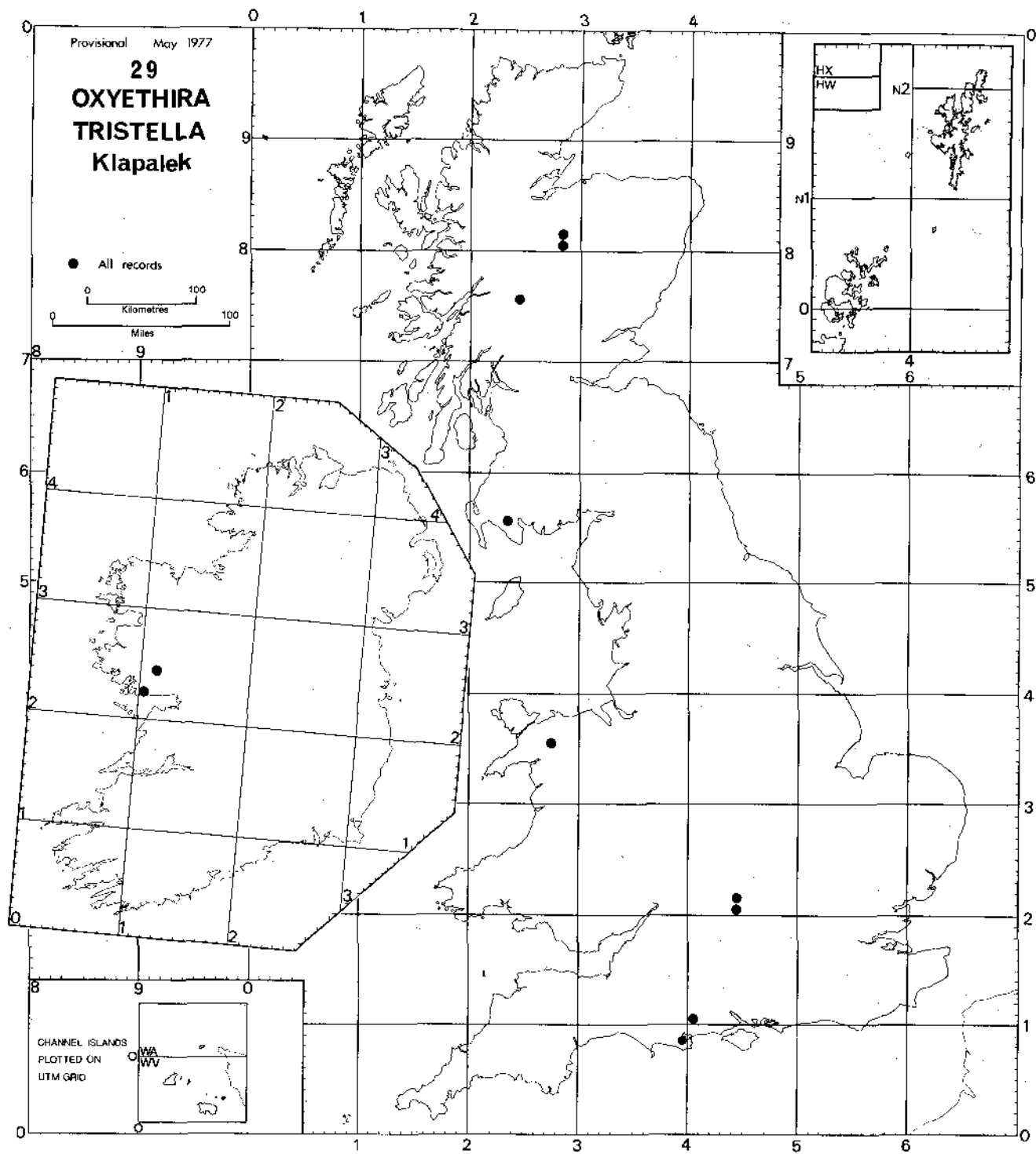












Provisional May 1977
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OXYETHIRA
SIMPLEX
Ris

● All records

