

3F AmigaGuide

Robert Atkinson

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	<i>TITLE :</i> 3F AmigaGuide		
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Chapter 1

3F AmigaGuide

1.1 3F Programme

3F Programme

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INTRODUCTION	About the Programme
DISTRIBUTION	Caveat
INSTALLATION	System Requirements
QUICK START	If you can't wait
HELP	Tutorial
CONTACT	Where I am

A-L

MAC

M-W

TARTANS - 100 Traditional

1.2 Introduction

Fab Fabric Fabricator!

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The boring bit:

This programme will help you to design woven fabrics. You can easily try out symmetrical 'mirror' weaving patterns such as plaids and checks without having to set up a loom. It supports 2x2 Twill weaving for four heddles as well as the 2 heddle plain weave.

Handloom weaving of one off items in course wool or finer yarns is greatly enhanced with this design aid. Colours are fully configurable to match existing yarns.

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The EXCITING bit:

Above all, this tool is intended for experimentation. The number of possible designs runs into many thousands, if not millions. Screen grabs can be imported into paint programmes and used in many IMAGINATIVE and UNRELATED ways that have nothing to do with weaving.

Written in GFA-Basic.

## 1.3 Distribution

This software is GiftWare. It is freely distributable as long as the archive remains intact, and only a nominal fee is charged for its distribution but you are requested to send me a small gift if you like the programme.

I retain the copyright and will allow commercial use only on licence.

This software is provided "AS IS" without warranty of any kind, either expressed or implied. By using it, you agree to accept the entire risk as to the quality and performance of the programme.

The archive should consist of:

- 3F
- 3F.info
- 3F\_guide
- 3F\_guide.info
- 3F\_Samples (16 files)
- 3F\_Samples.info

## 1.4 Installation

Requirements:

AGA Amiga - That is all. No special Libs or Fonts required.

Installation:

Just move the icon into desired directory

or copy 3F to desired directory

To run:

Simply double click on the icon.

From CLI type path/3F <RETURN>

The Programme is multitasking which means you can switch

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to another running programme by pressing L.Amiga+m.

## 1.5 Quick Start

Go into New Design.

Select a colour (press once or several times).

Select another colour (once or severally).

Select DONE

On NEXT SCREEN select DONE.

- - - - -

Go into Tartan Toolkit.

Select a colour.

Select a number.

Select a colour.

Select a number.

Select \|\|/.

Select a colour.

Select a number.

Select \|\|/.

Select a colour.

Select a number.

Select DONE.

Press anywhere on UNIT A.

Press anywhere on UNIT B.

Select WEAVE.

## 1.6 Help

Menus:

Project

New Design

Load data

```
        Save data as
        Save data
        About
        Help

    Palette

        Default
        Save
        Load
        Edit

    Utilities

        Tartan Toolkit
        Display current
        HiRes Display
        Modify current
        Snapshot Screen
```

## 1.7 New Design

You are presented with a screen having a palette, from a to z, along the top.

There are 26 columns above which are three buttons: DONE, UNDO, & CANCEL.

Select the colour for column 1 by clicking on the palette however many times the number of threads required. Select another colour for column 2 and so on. (It should be noted that you are not restricted to the 20 repeats for any one colour. You may continue in the next column with the same colour.)

If you make a mistake you can go back to the begining of the current column by clicking on the UNDO button. The CANCEL button takes you out of "New Design".

It is advisable to designate at least two colours, clicked once or more times, in two columns, although its alright to designate only one if a selection of Wefts is to be made.

When you are satisfied you may select the FORWARD button or leave it at REVERSE and also select the TABBY option (or not) or leave it as TWILL. It does not matter if these options are selected at this stage since they may be modified at a later stage when the effects will become apparent.

Finally click on DONE which will bring you to a Weft screen which is similar to the Warp screen. Initially it is advised that this screen is left blank so click on DONE when your fabric should be "woven".

## 1.8 Load data

When this menu item is salected you are presented with a File Requester asking for a 3F Data File.

There are a number of such files included in the 3F\_samples drawer which

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should accompany this presentation.

## 1.9 Save data as

When this menu item is selected you are presented with a File Requester asking for a New Filename (and path).

## 1.10 Save data

Select this menu item or press Amiga-s to save a previously named file.

Where you ask to save a file not previously named you will be asked to confirm "Untitled" and the file will be saved in the current directory unless cancelled.

You will be asked if you wish to overwrite a previously saved file.

## 1.11 About

Displays the About Requester.

## 1.12 Help

Select this item or press the HELP key for a brief summary based on that in the Introduction section of this guide.

In addition it is pointed out that the HELP key will bring up different aspects depending on what mode the programme is in at the time.

## 1.13 Default

This menu item loads the default palette.

## 1.14 Save

This menu item Saves a particular palette, which has been modified, to disk.

## 1.15 Load

This menu item Loads a previously saved palette data file either from its own file or from a complete 3F Data File.

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## 1.16 Edit

This menu item brings up the palette Editor.

From here each colour may be modified.

First select any colour. A number 0 to 15 is presented for each primary colour, r(ed) g(reen) and b(lue). Each number may be raised or lowered by pressing the up or down arrows associated with it.

At any time the RESTORE button may be used to restore the settings for the selected colour.

When satisfied the KEEP button should be pressed and then a further colour may be selected and so on.

When all the required modifications have been made the DONE button should be selected.

If a current set of data is already loaded "Display current" will display with the modified palette.

If "New Design" is selected at this point the modified palette will be used.

## 1.17 Tartan Toolkit

Now we come to the really interesting bit. The "weaving" of real tartans.

Any genuine tartan consists of a number of units woven in a particular order.

Each of these units consists of numbers of different coloured threads which are mirrored.

In order to choose these threads you must decide the number and colour of each successive block to be mirrored until the middle is reached. Then the colour is selected and the number of threads.

In other words select a colour from the palette. This will be placed in the first and last slot of UNIT A.

Next select a number from the row just below the palette. This will be placed next to the colour identification letter in the first and last slot of UNIT A and the next slot will open up.

Repeat the procedure for as many times as required. Use the UNDO button after a number is selected to rectify any mistakes.

When the centre position is reached press the \||/ button at the end of the row of numbers. The next slot will change to a central position and the selected colour together with the number of strands will complete UNIT A.

It would now be sensible to complete at least one more UNIT.

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When as many units as are required are completed, press DONE.

Now press anywhere on the first UNIT to be woven. Then press anywhere on the second unit to be woven. It is possible to repeat any UNIT several times.

Press WEAVE.

ABOVE ALL, EXPERIMENT!

## 1.18 Display current

This menu item displays the current data set in memory.

You may Abort this function by pressing the Left Mouse Button.

Please Note: It is advisable to allow about half the screen to fill before aborting, otherwise the Modify mode may be incomplete.

## 1.19 HiRes Display c(urrent)

This menu item attempts to display the current data set in memory in High Resolution.

(Not always available)

## 1.20 Modify current

This menu item brings up the Modify Screen.

A number of settings can be modified from here.

From here you can record instructions for real weaving. If you have a four heddle handloom you can weave Twill or Tabby. When only two heddles are available you will be restricted to plain Tabby weaving only. See the difference by Clicking the gadgets and then the RE-WEAVE gadget.

To give a good idea of the difference between a coarse weaving in wool and finer fabrics, there is a facility to display your design at twice the normal resolution or half. To try out the high resolution display you will have to QUIT the Modify mode and select the appropriate MENU.

The Mirror Repeat to Forward Repeat adjustment is available in straight weaving for both Warp and Weft. RE-WEAVE shows result on screen. When Unit Weaving is the subject this function is disabled. The reason for this is that each Unit is a mirror repeat in itself. The Units are then repeated in a sequence which is pre-determined. The whole complex is then repeated to the full width of the cloth and the Weft follows the same symmetry over and over again.

Weaving Data may be sent to your Printer if available. Notes of the actual

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colours used have then to be added to the hardcopy of course. You could make yourself a colour chart if you are seriously into the subject.

Click on DYE YARNS to adjust the colours used whilst observing the effect on your design in real time. (See Palette Editor)

EXPERIMENT AND HAVE FUN!

## 1.21 Snapshot Screen

This menu item saves the current screen as an IFF image which can be imported to any paint programme.

You will be asked if an icon is required (with tool type for PPaint).

## 1.22 Tartans A-L

100 Traditional Scottish Tartans

ANDERSON

| Unit A | v | ^ | Unit B      | v  | ^  |
|--------|---|---|-------------|----|----|
| Black  | 3 | 3 | Light Green | 16 | 16 |
| White  | 3 | 3 | Red         | 1  | 1  |
| Black  | 3 | 3 | Black       | 3  | 3  |
| Yellow | 1 | 1 | Red         | 1  | 1  |
| Black  | 2 | 2 | Light Green | 5  | 5  |
| Yellow | 1 | 1 | Red         |    | 3  |
| Black  | 4 | 4 |             |    |    |
| Red    | 1 | 1 |             |    |    |
| Blue   | 4 | 4 |             |    |    |
| Red    | 3 | 3 |             |    |    |
| Green  | 5 | 5 |             |    |    |
| Red    | 2 | 2 |             |    |    |
| Green  | 5 | 5 |             |    |    |
| Red    |   | 4 |             |    |    |

UNIT A, B

ARMSTRONG

| Unit A | v  | ^  | Unit B | v  | ^  |
|--------|----|----|--------|----|----|
| Black  | 11 | 11 | Green  | 10 | 10 |
| Blue   | 3  | 3  | Black  | 1  | 1  |
| Black  | 1  | 1  | Green  |    | 2  |
| Blue   | 1  | 1  |        |    |    |
| Black  | 1  | 1  |        |    |    |
| Blue   | 5  | 5  |        |    |    |
| Red    |    | 2  |        |    |    |

UNIT A, B

BAIRD

| Unit A | v | ^ | Unit B | v | ^ |
|--------|---|---|--------|---|---|
|--------|---|---|--------|---|---|

|       |    |    |            |    |    |           |
|-------|----|----|------------|----|----|-----------|
| Black | 15 | 15 | Green      | 12 | 12 |           |
| Blue  | 12 | 12 | Cherry Red | 2  | 2  |           |
| Black | 3  | 3  | Green      | 2  | 2  |           |
| Blue  |    | 3  | Cherry Red |    | 4  | UNIT A, B |

## BLACK WATCH

|        |   |   |        |   |   |        |   |                 |
|--------|---|---|--------|---|---|--------|---|-----------------|
| Unit A | v | ^ | Unit B | v | ^ | Unit C | v | ^               |
| Black  | 9 | 9 | Green  | 9 | 9 | Black  | 9 | 9               |
| Blue   | 3 | 3 | Black  |   | 3 | Blue   | 9 | 9               |
| Black  | 1 | 1 |        |   |   | Black  | 1 | 1               |
| Blue   | 3 | 3 |        |   |   | Blue   |   | 3               |
| Black  | 1 | 1 |        |   |   |        |   |                 |
| Blue   |   | 9 |        |   |   |        |   | UNIT A, B, C, B |

## BRODIE

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Black  | 17 | 17 | Red    | 31 | 31 |           |
| Yellow | 2  | 2  | Black  |    | 4  |           |
| Black  | 17 | 17 |        |    |    |           |
| Red    |    | 4  |        |    |    | UNIT A, B |

## BRUCE

|        |   |   |        |    |    |        |    |              |
|--------|---|---|--------|----|----|--------|----|--------------|
| Unit A | v | ^ | Unit B | v  | ^  | Unit C | v  | ^            |
| Green  | 3 | 3 | Red    | 13 | 13 | Red    | 13 | 13           |
| Red    | 3 | 3 | White  |    | 2  | Yellow |    | 2            |
| Green  | 6 | 6 |        |    |    |        |    |              |
| Red    |   | 2 |        |    |    |        |    | UNIT A, B, C |

## BUCHANAN

|        |   |   |        |   |   |           |
|--------|---|---|--------|---|---|-----------|
| Unit A | v | ^ | Unit B | v | ^ |           |
| Black  | 1 | 1 | Red    | 9 | 9 |           |
| Blue   | 5 | 5 | White  | 1 | 1 |           |
| Black  | 1 | 1 | Red    | 9 | 9 |           |
| Green  | 8 | 8 | Black  | 1 | 1 |           |
| Blue   |   | 5 | Blue   |   | 5 | UNIT A, B |

## CAMERON

|        |   |   |        |    |    |           |
|--------|---|---|--------|----|----|-----------|
| Unit A | v | ^ | Unit B | v  | ^  |           |
| Green  | 6 | 6 | Red    | 19 | 19 |           |
| Red    | 2 | 2 | Yellow |    | 1  |           |
| Green  | 6 | 6 |        |    |    |           |
| Red    |   | 2 |        |    |    | UNIT A, B |

## CAMERON of Caudor

|        |    |    |            |    |    |           |
|--------|----|----|------------|----|----|-----------|
| Unit A | v  | ^  | Unit B     | v  | ^  |           |
| Black  | 11 | 11 | Green      | 11 | 11 |           |
| Blue   | 11 | 11 | Black      | 1  | 1  |           |
| Black  | 1  | 1  | Light Blue |    | 3  |           |
| Red    |    | 3  |            |    |    | UNIT A, B |

## CAMERON of Lochiel

|           |    |    |        |    |    |
|-----------|----|----|--------|----|----|
| Unit A    | v  | ^  | Unit B | v  | ^  |
| Blue      | 2  | 2  | Red    | 15 | 15 |
| White     | 4  | 4  | Green  | 8  | 8  |
| Blue      | 2  | 2  | Red    | 15 |    |
| Red       | 5  | 5  |        |    |    |
| Blue      | 15 | 15 |        |    |    |
| Red       |    | 9  |        |    |    |
| UNIT A, B |    |    |        |    |    |

## CAMPBELL of Argyll

|                 |    |    |        |    |    |        |    |    |
|-----------------|----|----|--------|----|----|--------|----|----|
| Unit A          | v  | ^  | Unit B | v  | ^  | Unit C | v  | ^  |
| Black           | 15 | 15 | Green  | 16 | 16 | Black  | 15 | 15 |
| Blue            | 3  | 3  | Yellow | 3  |    | Blue   | 15 | 15 |
| Black           | 3  | 3  |        |    |    | Black  | 3  | 3  |
| Blue            | 3  | 3  | Unit D |    |    | Blue   |    | 3  |
| Black           | 3  | 3  | Green  | 16 | 16 |        |    |    |
| Blue            |    | 15 | White  | 3  |    |        |    |    |
| UNIT A, B, C, D |    |    |        |    |    |        |    |    |

## CARNEGIE

|           |    |    |        |    |    |  |  |  |
|-----------|----|----|--------|----|----|--|--|--|
| Unit A    | v  | ^  | Unit B | v  | ^  |  |  |  |
| Black     | 13 | 13 | Green  | 11 | 11 |  |  |  |
| Red       | 2  | 2  | Red    | 4  | 4  |  |  |  |
| Blue      | 11 | 11 | Green  | 3  | 3  |  |  |  |
| Red       | 4  | 4  | Red    | 2  | 2  |  |  |  |
| Blue      | 3  | 3  | Green  | 4  | 4  |  |  |  |
| Red       | 2  | 2  | Yellow |    | 3  |  |  |  |
| Blue      |    | 5  |        |    |    |  |  |  |
| UNIT A, B |    |    |        |    |    |  |  |  |

## CHISHOLM

|           |    |    |        |    |    |  |  |  |
|-----------|----|----|--------|----|----|--|--|--|
| Unit A    | v  | ^  | Unit B | v  | ^  |  |  |  |
| Blue      | 5  | 5  | Red    | 27 | 27 |  |  |  |
| Green     | 3  | 3  | White  | 1  | 1  |  |  |  |
| Blue      | 3  | 3  | Red    |    | 6  |  |  |  |
| Green     | 3  | 3  |        |    |    |  |  |  |
| Blue      | 3  | 3  |        |    |    |  |  |  |
| Green     | 10 | 10 |        |    |    |  |  |  |
| Red       |    | 2  |        |    |    |  |  |  |
| UNIT A, B |    |    |        |    |    |  |  |  |

## CLERGY

|                 |    |    |            |    |    |            |    |    |
|-----------------|----|----|------------|----|----|------------|----|----|
| Unit A          | v  | ^  | Unit B     | v  | ^  | Unit C     | v  | ^  |
| Black           | 15 | 15 | Blue       | 15 | 15 | Black      | 15 | 15 |
| Light Blue      | 2  | 2  | Light Blue | 2  | 2  | Light Blue | 2  |    |
| Black           | 15 | 15 | Black      |    | 3  |            |    |    |
| Light Blue      | 2  | 2  |            |    |    |            |    |    |
| Blue            | 3  | 3  |            |    |    |            |    |    |
| Light Blue      | 2  | 2  |            |    |    |            |    |    |
| Blue            | 6  | 6  |            |    |    |            |    |    |
| Light Blue      |    | 2  |            |    |    |            |    |    |
| UNIT A, B, C, B |    |    |            |    |    |            |    |    |

## COLQUHOUN

|        |    |    |        |   |   |
|--------|----|----|--------|---|---|
| Unit A | v  | ^  | Unit B | v | ^ |
| Black  | 12 | 12 | White  | 2 | 2 |

|       |    |    |       |    |    |           |
|-------|----|----|-------|----|----|-----------|
| Blue  | 12 | 12 | Green | 12 | 12 |           |
| Black | 2  | 2  | Red   | 3  |    |           |
| Blue  |    | 2  |       |    |    | UNIT A, B |

## CRAWFORD

|            |    |    |            |    |    |           |
|------------|----|----|------------|----|----|-----------|
| Unit A     | v  | ^  | Unit B     | v  | ^  |           |
| Green      | 13 | 13 | Cherry Red | 25 | 25 |           |
| Cherry Red | 3  | 3  | White      | 2  | 2  |           |
| Green      | 13 | 13 | Cherry Red | 6  |    |           |
| Cherry Red |    | 3  |            |    |    | UNIT A, B |

## CUNNINGHAM

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Black  | 15 | 15 | Red    | 15 | 15 |           |
| Red    | 1  | 1  | Black  | 1  | 1  |           |
| Black  |    | 4  | Red    | 1  | 1  |           |
|        |    |    | White  | 2  |    | UNIT A, B |

## DAVIDSON

|        |   |   |        |    |    |        |   |   |
|--------|---|---|--------|----|----|--------|---|---|
| Unit A | v | ^ | Unit B | v  | ^  | Unit C | v | ^ |
| Blue   | 3 | 3 | Green  | 13 | 13 | Black  | 3 | 3 |
| Green  | 2 | 2 | Black  | 3  |    | Green  | 2 | 2 |
| Blue   | 7 | 7 |        |    |    | Black  | 7 | 7 |
| Red    |   | 2 |        |    |    | Red    |   | 2 |

UNIT A, B, C, B

## DOUGLAS (Dress)

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Black  | 10 | 10 | White  | 18 | 18 |           |
| White  | 3  | 3  | Black  | 3  | 3  |           |
| Black  | 3  | 3  | White  | 3  |    |           |
| White  | 3  | 3  |        |    |    |           |
| Black  |    | 24 |        |    |    | UNIT A, B |

## DRUMMOND

|             |    |    |            |    |    |           |
|-------------|----|----|------------|----|----|-----------|
| Unit A      | v  | ^  | Unit B     | v  | ^  |           |
| Yellow      | 1  | 1  | Red        | 10 | 10 |           |
| Blue        | 3  | 3  | Red (same) | 10 |    |           |
| Light Green | 1  | 1  |            |    |    |           |
| Green       | 11 | 11 |            |    |    |           |
| Red         | 4  | 4  |            |    |    |           |
| Blue        | 3  | 3  |            |    |    |           |
| Light Green | 3  | 3  |            |    |    |           |
| White       |    | 1  |            |    |    | UNIT A, B |

## DUNBAR

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Black  | 6  | 6  | Red    | 20 | 20 |           |
| Green  | 18 | 18 | Black  | 2  | 2  |           |
| Red    |    | 6  | Red    | 4  |    | UNIT A, B |

| Unit A | v  | ^  | Unit B | v  | ^  |
|--------|----|----|--------|----|----|
| Blue   | 15 | 15 | Green  | 15 | 15 |
| Red    |    | 4  | White  | 3  | 3  |
|        |    |    | Green  | 15 | 15 |
|        |    |    | Black  | 3  |    |

UNIT A, B

|        |    |    |        |    |    |
|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  |
| Black  | 11 | 11 | Green  | 15 | 15 |
| Blue   | 11 | 11 | Red    | 2  | 2  |
| Black  |    | 2  | Green  | 2  | 2  |
|        |    |    | Black  |    | 2  |

UNIT A, B

| Unit A | v  | ^  | Unit B      | v  | ^  |
|--------|----|----|-------------|----|----|
| Brown  | 14 | 14 | Blue        | 20 | 20 |
| Blue   | 8  | 8  | Blue (same) | 14 |    |
| Orange |    | 3  |             |    |    |

UNIT A, B

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Green  | 21 | 21 | Red    | 21 | 21 |           |
| Red    | 1  | 1  | Green  | 1  | 1  |           |
| Green  |    | 4  | Red    |    | 4  | UNIT A, B |

| Unit A | v  | ^  | Unit B | v  | ^  | Unit C | v  | ^  |
|--------|----|----|--------|----|----|--------|----|----|
| Black  | 15 | 15 | Green  | 15 | 15 | Black  | 15 | 15 |
| Blue   | 2  | 2  | Yellow | 4  |    | Blue   | 13 | 13 |
| Black  | 2  | 2  |        |    |    | Black  | 2  | 2  |
| Blue   | 2  | 2  |        |    |    | Red    |    | 4  |
| Black  | 2  | 2  |        |    |    |        |    |    |
| Blue   | 7  | 7  |        |    |    |        |    |    |
| Red    |    | 4  |        |    |    |        |    |    |

UNIT A, B, C, B

|        |    |    |        |   |   |           |
|--------|----|----|--------|---|---|-----------|
| Unit A | v  | ^  | Unit B | v | ^ |           |
| Black  | 11 | 11 | Green  | 7 | 7 |           |
| Blue   |    | 16 | Red    | 2 | 2 |           |
|        |    |    | Green  | 7 | 7 |           |
|        |    |    | Black  | 1 | 1 |           |
|        |    |    | White  |   | 2 | UNIT A, B |

| Unit A | v  | ^  | Unit B | v  | ^  |
|--------|----|----|--------|----|----|
| Black  | 12 | 12 | Blue   | 10 | 10 |
| Red    | 3  | 3  | Black  | 2  | 2  |
| Green  | 12 | 12 | Blue   | 10 |    |



Red 4 UNIT A, B

## FRASER

|        |    |    |        |    |    |
|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  |
| Green  | 11 | 11 | Red    | 24 | 24 |
| Red    | 2  | 2  | White  | 2  |    |
| Blue   | 11 | 11 |        |    |    |
| Red    | 2  |    |        |    |    |

UNIT A, B

## GORDON

|        |   |   |        |    |    |        |   |   |
|--------|---|---|--------|----|----|--------|---|---|
| Unit A | v | ^ | Unit B | v  | ^  | Unit C | v | ^ |
| Black  | 8 | 8 | Green  | 10 | 10 | Black  | 8 | 8 |
| Blue   | 2 | 2 | Yellow | 2  |    | Blue   | 9 | 9 |
| Black  | 2 | 2 |        |    |    | Black  | 2 | 2 |
| Blue   | 2 | 2 |        |    |    | Blue   |   | 2 |
| Black  | 2 | 2 |        |    |    |        |   |   |
| Blue   | 9 |   |        |    |    |        |   |   |

UNIT A, B, C, B

## GRAHAM

|        |    |    |            |    |   |
|--------|----|----|------------|----|---|
| Unit A | v  | ^  | Unit B     | v  | ^ |
| Black  | 9  | 9  | Green      | 2  | 2 |
| Blue   | 10 | 10 | Light Blue | 3  | 3 |
| Black  | 3  |    | Green      | 12 |   |

UNIT A, B

## GRAHAM of Montrose

|        |    |    |        |   |   |
|--------|----|----|--------|---|---|
| Unit A | v  | ^  | Unit B | v | ^ |
| Black  | 9  | 9  | Green  | 9 | 9 |
| Blue   | 10 | 10 | White  | 3 | 3 |
| Black  | 3  |    | Green  | 9 | 9 |
|        |    |    | Black  | 9 |   |

UNIT A, B

## GRANT

|            |    |    |        |    |    |
|------------|----|----|--------|----|----|
| Unit A     | v  | ^  | Unit B | v  | ^  |
| Light Blue | 2  | 2  | Red    | 22 | 22 |
| Red        | 2  | 2  | Blue   | 2  | 2  |
| Blue       | 6  | 6  | Red    | 6  | 6  |
| Red        | 2  | 2  | Blue   | 2  |    |
| Green      | 2  | 2  |        |    |    |
| Red        | 2  | 2  |        |    |    |
| Green      | 22 | 22 |        |    |    |
| Red        | 2  | 2  |        |    |    |
| Blue       | 2  | 2  |        |    |    |
| Red        | 2  |    |        |    |    |

UNIT A, B

## GUNN

|        |    |    |        |    |    |
|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  |
| Black  | 10 | 10 | Green  | 16 | 16 |
| Green  | 2  | 2  | Red    | 3  |    |
| Black  | 13 | 13 |        |    |    |
| Green  | 2  |    |        |    |    |

UNIT A, B

## HAMILTON

| Unit A | v  | ^  | Unit B     | v  | ^  | Unit C | v  | ^ |
|--------|----|----|------------|----|----|--------|----|---|
| Blue   | 13 | 13 | Red        | 10 | 10 | White  | 3  | 3 |
| Red    | 5  | 5  | Red (same) | 2  |    | Red    | 22 |   |
| Blue   |    | 13 |            |    |    |        |    |   |

UNIT A, B, C

## HENDERSON

| Unit A | v  | ^  | Unit B       | v  | ^  | Unit C | v  | ^  |
|--------|----|----|--------------|----|----|--------|----|----|
| Black  | 6  | 6  | Green        | 20 | 20 | Blue   | 6  | 6  |
| Green  | 9  | 9  | Green (same) | 1  |    | Green  | 9  | 9  |
| Black  | 12 | 12 |              |    |    | Blue   | 12 | 12 |
| Yellow |    | 2  |              |    |    | White  | 2  |    |

UNIT A, B, C, B

## HOME

| Unit A | v  | ^  | Unit B | v  | ^  |
|--------|----|----|--------|----|----|
| Orange | 1  | 1  | Blue   | 25 | 25 |
| Black  | 1  | 1  | Green  | 2  | 2  |
| Orange | 1  | 1  | Blue   |    | 2  |
| Black  | 25 | 25 |        |    |    |
| Green  | 2  | 2  |        |    |    |
| Black  |    | 2  |        |    |    |

UNIT A, B

## INNES or MacINNES

| Unit A | v | ^ | Unit B     | v | ^ |
|--------|---|---|------------|---|---|
| Yellow | 2 | 2 | Red        | 8 | 8 |
| Red    | 2 | 2 | Black      | 2 | 2 |
| Blue   | 4 | 4 | Red        | 2 | 2 |
| Red    | 2 | 2 | Black      | 2 | 2 |
| Black  | 2 | 2 | Red        | 2 | 2 |
| Green  | 5 | 5 | Black      | 8 | 8 |
| Black  | 2 | 2 | Light Blue |   | 2 |
| Red    | 3 | 3 |            |   |   |
| White  |   | 2 |            |   |   |

UNIT A, B

## INNES or MacINNES (Huning)

| Unit A     | v  | ^  | Unit B | v  | ^  |
|------------|----|----|--------|----|----|
| Black      | 3  | 3  | Green  | 14 | 14 |
| Light Blue | 3  | 3  | Black  | 2  | 2  |
| Black      | 3  | 3  | Green  | 2  | 2  |
| Blue       | 14 | 14 | Black  | 2  | 2  |
| Green      | 5  | 5  | Green  | 2  | 2  |
| Red        |    | 3  | Black  | 14 | 14 |
|            |    |    | Yellow |    | 3  |

UNIT A, B

## KENNEDY

| Unit A | v | ^ | Unit B | v  | ^  | Unit C | v  | ^  |
|--------|---|---|--------|----|----|--------|----|----|
| Blue   | 4 | 4 | Green  | 11 | 11 | Green  | 18 | 18 |
| Black  | 4 | 4 | Red    | 1  | 1  | Red    | 3  |    |

|       |   |   |        |   |   |                 |
|-------|---|---|--------|---|---|-----------------|
| Blue  | 4 | 4 | Green  | 1 | 1 |                 |
| Black |   | 4 | Red    | 1 | 1 |                 |
|       |   |   | Green  | 3 | 3 |                 |
|       |   |   | Yellow | 1 | 1 |                 |
|       |   |   | Green  | 2 | 2 |                 |
|       |   |   | Black  |   | 2 | UNIT A, B, A, C |

## KERR

|        |   |    |        |   |   |           |
|--------|---|----|--------|---|---|-----------|
| Unit A | v | ^  | Unit B | v | ^ |           |
| Black  | 4 | 4  | Red    | 9 | 9 |           |
| Green  | 3 | 3  | Black  | 2 | 2 |           |
| Black  | 2 | 2  | Red    | 2 | 2 |           |
| Green  | 3 | 3  | Black  |   | 2 |           |
| Black  | 2 | 2  |        |   |   |           |
| Green  |   | 11 |        |   |   | UNIT A, B |

## LAMONT

|        |   |    |        |    |    |        |    |                 |
|--------|---|----|--------|----|----|--------|----|-----------------|
| Unit A | v | ^  | Unit B | v  | ^  | Unit C | v  | ^               |
| Black  | 9 | 9  | Green  | 13 | 13 | Black  | 9  | 9               |
| Blue   | 2 | 2  | White  |    | 3  | Blue   | 12 | 12              |
| Black  | 2 | 2  |        |    |    | Black  | 2  | 2               |
| Blue   | 2 | 2  |        |    |    | Blue   |    | 2               |
| Black  | 2 | 2  |        |    |    |        |    |                 |
| Blue   |   | 15 |        |    |    |        |    |                 |
|        |   |    |        |    |    |        |    | UNIT A, B, C, B |

## LOGAN or MacLENNAN

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Black  | 12 | 12 | Green  | 10 | 10 |           |
| Blue   | 10 | 10 | Red    | 2  | 2  |           |
| Red    | 4  | 4  | Black  | 2  | 2  |           |
| Blue   | 4  | 4  | Yellow |    | 2  |           |
| Red    | 4  | 4  |        |    |    |           |
| Blue   | 4  | 4  |        |    |    |           |
| Red    |    | 4  |        |    |    | UNIT A, B |

## 1.23 Tartans Mac...

100 Traditional Scottish Tartans (Continued)

## MacALPINE

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Black  | 12 | 12 | Green  | 3  | 3  |           |
| Yellow | 3  | 3  | Black  | 3  | 3  |           |
| Black  | 12 | 12 | Green  | 12 | 12 |           |
| Green  |    | 3  | Black  |    | 3  | UNIT A, B |

## MacAULAY

|        |    |    |        |    |    |  |
|--------|----|----|--------|----|----|--|
| Unit A | v  | ^  | Unit B | v  | ^  |  |
| Greenn | 10 | 10 | Red    | 26 | 26 |  |
| Red    | 4  | 4  | Black  |    | 4  |  |

|       |    |    |  |           |
|-------|----|----|--|-----------|
| Green | 16 | 16 |  |           |
| White |    | 2  |  | UNIT A, B |

## MacCALLUM

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Black  | 10 | 10 | Green  | 12 | 12 |           |
| Blue   | 10 | 10 | Red    | 2  | 2  |           |
| Black  |    | 2  | Green  | 12 | 12 |           |
|        |    |    | Black  |    | 10 | UNIT A, B |

## MacDONALD

|        |   |   |        |   |   |           |
|--------|---|---|--------|---|---|-----------|
| Unit A | v | ^ | Unit B | v | ^ |           |
| Black  | 9 | 9 | Green  | 9 | 9 |           |
| Red    | 1 | 1 | Red    | 3 | 3 |           |
| Blue   | 9 | 9 | Green  | 2 | 2 |           |
| Red    | 3 | 3 | Red    | 4 | 4 |           |
| Blue   | 2 | 2 | Green  |   | 2 |           |
| Red    | 2 | 2 |        |   |   |           |
| Blue   |   | 6 |        |   |   | UNIT A, B |

## MacDONALD of the Isles

|        |   |   |        |    |    |           |
|--------|---|---|--------|----|----|-----------|
| Unit A | v | ^ | Unit B | v  | ^  |           |
| Black  | 9 | 9 | Green  | 4  | 4  |           |
| Blue   | 9 | 9 | Black  | 2  | 2  |           |
| Red    |   | 3 | Green  | 2  | 2  |           |
|        |   |   | Black  | 2  | 2  |           |
|        |   |   | Green  | 18 | 18 |           |
|        |   |   | White  |    | 3  | UNIT A, B |

## MacDONELL of Glengarry

|        |   |   |        |   |   |           |
|--------|---|---|--------|---|---|-----------|
| Unit A | v | ^ | Unit B | v | ^ |           |
| Black  | 9 | 9 | Green  | 9 | 9 |           |
| Red    | 1 | 1 | Red    | 2 | 2 |           |
| Blue   | 9 | 9 | Green  | 2 | 2 |           |
| Red    | 2 | 2 | Red    | 1 | 1 |           |
| Blue   | 1 | 1 | Green  | 2 | 2 |           |
| Red    | 1 | 1 | White  |   | 1 |           |
| Blue   |   | 4 |        |   |   | UNIT A, B |

## MacDOUGALL

|        |    |    |        |    |    |  |
|--------|----|----|--------|----|----|--|
| Unit A | v  | ^  | Unit B | v  | ^  |  |
| Blue   | 9  | 9  | Grey   | 3  | 3  |  |
| Red    | 3  | 3  | Red    | 1  | 1  |  |
| Green  | 1  | 1  | Grey   | 3  | 3  |  |
| Red    | 3  | 3  | Green  | 8  | 8  |  |
| Green  | 26 | 26 | Red    | 8  | 8  |  |
| Red    | 1  | 1  | Green  | 8  | 8  |  |
| Grey   | 3  | 3  | Red    | 1  | 1  |  |
| White  |    | 1  | Blue   | 1  | 1  |  |
|        |    |    | Red    | 26 | 26 |  |
|        |    |    | Grey   | 3  | 3  |  |
|        |    |    | Red    | 2  | 2  |  |

White 1 UNIT A, B

## MacDUFF

|        |    |    |            |    |    |
|--------|----|----|------------|----|----|
| Unit A | v  | ^  | Unit B     | v  | ^  |
| Blue   | 6  | 6  | Red        | 10 | 10 |
| Black  | 8  | 8  | Red (same) | 10 |    |
| Green  | 10 | 10 |            |    |    |
| Red    | 7  | 7  |            |    |    |
| Black  | 2  | 2  |            |    |    |
| Red    |    | 7  |            |    |    |

UNIT A, B

## MacEWEN

|        |   |   |        |    |    |        |    |    |
|--------|---|---|--------|----|----|--------|----|----|
| Unit A | v | ^ | Unit B | v  | ^  | Unit C | v  | ^  |
| Black  | 8 | 8 | Green  | 10 | 10 | Green  | 10 | 10 |
| Blue   | 7 | 7 | Black  | 1  | 1  | Black  | 1  | 1  |
| Black  | 1 | 1 | Red    |    | 2  | Yellow |    | 2  |
| Blue   |   | 3 |        |    |    |        |    |    |

UNIT A, B, A, C

## MacFARLANE

|        |   |   |            |    |    |
|--------|---|---|------------|----|----|
| Unit A | v | ^ | Unit B     | v  | ^  |
| Black  | 1 | 1 | Red        | 10 | 10 |
| Green  | 8 | 8 | Red (same) | 10 |    |
| White  | 1 | 1 |            |    |    |
| Red    | 2 | 2 |            |    |    |
| Black  | 1 | 1 |            |    |    |
| Red    | 2 | 2 |            |    |    |
| White  | 1 | 1 |            |    |    |
| Green  | 1 | 1 |            |    |    |
| Blue   | 8 | 8 |            |    |    |
| Black  | 2 | 2 |            |    |    |
| Red    | 2 | 2 |            |    |    |
| White  | 2 | 2 |            |    |    |
| Green  |   | 2 |            |    |    |

UNIT A, B

## MacFIE

|        |   |    |        |    |    |        |    |    |
|--------|---|----|--------|----|----|--------|----|----|
| Unit A | v | ^  | Unit B | v  | ^  | Unit C | v  | ^  |
| Green  | 2 | 2  | Red    | 12 | 12 | Red    | 12 | 12 |
| Red    | 1 | 1  | White  |    | 1  | Yellow |    | 1  |
| Green  |   | 15 |        |    |    |        |    |    |

UNIT A, B, A, C

## MacGILLIVRAY

|            |   |   |            |    |    |
|------------|---|---|------------|----|----|
| Unit A     | v | ^ | Unit B     | v  | ^  |
| Light Blue | 2 | 2 | Red        | 16 | 16 |
| Red        | 2 | 2 | Blue       | 1  | 1  |
| Blue       | 4 | 4 | Light Blue | 1  | 1  |
| Red        | 2 | 2 | Red        |    | 4  |
| Green      | 6 | 6 |            |    |    |
| Red        | 3 | 3 |            |    |    |
| Light Blue | 1 | 1 |            |    |    |
| Red        | 2 | 2 |            |    |    |

Blue 2 UNIT A, B

#### MacGREGOR

|        |    |    |            |    |    |
|--------|----|----|------------|----|----|
| Unit A | v  | ^  | Unit B     | v  | ^  |
| Green  | 12 | 12 | Red        | 15 | 15 |
| Red    | 4  | 4  | Red (same) | 2  |    |
| Green  | 4  | 4  |            |    |    |
| Black  | 1  | 1  |            |    |    |
| White  | 2  |    |            |    |    |

UNIT A, B

#### MacINNES see INNES

#### MacINTYRE

|        |    |    |        |    |    |
|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  |
| Blue   | 10 | 10 | Green  | 19 | 19 |
| Red    | 2  | 2  | White  | 3  |    |
| Blue   | 10 | 10 |        |    |    |
| Green  | 2  |    |        |    |    |

UNIT A, B

#### MacKAY

|        |    |    |        |    |    |
|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  |
| Black  | 16 | 16 | Green  | 16 | 16 |
| Green  | 3  | 3  | Black  | 3  |    |
| Blue   | 16 | 16 |        |    |    |
| Green  | 3  |    |        |    |    |

UNIT A, B

#### MacKENZIE

|        |   |   |        |   |   |        |    |   |
|--------|---|---|--------|---|---|--------|----|---|
| Unit A | v | ^ | Unit B | v | ^ | Unit C | v  | ^ |
| Black  | 9 | 9 | Green  | 9 | 9 | Black  | 9  | 9 |
| Blue   | 9 | 9 | Black  | 1 | 1 | Blue   | 2  | 2 |
| Black  | 1 | 1 | White  | 2 |   | Black  | 1  | 1 |
| Red    | 2 |   |        |   |   | Blue   | 2  | 2 |
|        |   |   |        |   |   | Black  | 1  | 1 |
|        |   |   |        |   |   | Blue   | 10 |   |

UNIT A, B, C, B

#### MacKINLAY

|        |   |   |        |   |   |        |   |   |
|--------|---|---|--------|---|---|--------|---|---|
| Unit A | v | ^ | Unit B | v | ^ | Unit C | v | ^ |
| Black  | 7 | 7 | Green  | 6 | 6 | Black  | 7 | 7 |
| Blue   | 7 | 7 | Black  | 1 | 1 | Blue   | 2 | 2 |
| Black  | 2 | 2 | Red    | 2 |   | Black  | 2 | 2 |
| Blue   | 2 |   |        |   |   | Blue   | 2 | 2 |
|        |   |   |        |   |   | Black  | 2 | 2 |
|        |   |   |        |   |   | Blue   | 8 |   |

UNIT A, B, C, B

#### MacKINNON

|        |    |    |        |   |   |
|--------|----|----|--------|---|---|
| Unit A | v  | ^  | Unit B | v | ^ |
| Green  | 10 | 10 | Red    | 4 | 4 |

|       |   |   |       |   |           |
|-------|---|---|-------|---|-----------|
| Red   | 2 | 2 | Blue  | 2 | 2         |
| Blue  | 3 | 3 | Green | 2 | 2         |
| Green | 2 | 2 | Red   | 2 | 2         |
| Red   | 9 | 9 | Black |   | 2         |
| Green | 4 | 4 |       |   |           |
| Black | 2 | 2 |       |   |           |
| Red   | 4 | 4 |       |   |           |
| White |   | 2 |       |   | UNIT A, B |

## MacKINTOSH

|        |   |   |            |    |           |
|--------|---|---|------------|----|-----------|
| Unit A | v | ^ | Unit B     | v  | ^         |
| Blue   | 5 | 5 | Red        | 10 | 10        |
| Red    | 2 | 2 | Red (same) |    | 3         |
| Green  | 8 | 8 |            |    |           |
| Red    | 3 | 3 |            |    |           |
| Black  |   | 2 |            |    | UNIT A, B |

## MacLACHAN

|        |    |    |        |    |    |        |    |    |
|--------|----|----|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  | Unit C | v  | ^  |
| Black  | 10 | 10 | Blue   | 13 | 13 | Black  | 10 | 10 |
| Red    | 13 | 13 | Green  |    | 4  | Red    | 2  | 2  |
| Black  | 2  | 2  |        |    |    | Black  | 2  | 2  |
| Red    |    | 3  |        |    |    | Red    | 2  | 2  |
|        |    |    |        |    |    | Black  | 2  | 2  |
|        |    |    |        |    |    | Red    |    | 17 |

UNIT A, B, C, B

## MacLAREN

|        |   |    |        |   |           |
|--------|---|----|--------|---|-----------|
| Unit A | v | ^  | Unit B | v | ^         |
| Black  | 4 | 4  | Green  | 5 | 5         |
| Blue   |   | 32 | Red    | 2 | 2         |
|        |   |    | Green  | 7 | 7         |
|        |   |    | Black  | 1 | 1         |
|        |   |    | Yellow |   | 2         |
|        |   |    |        |   | UNIT A, B |

## MacLEAN of Duart

|            |   |   |            |    |           |
|------------|---|---|------------|----|-----------|
| Unit A     | v | ^ | Unit B     | v  | ^         |
| Green      | 8 | 8 | Red        | 15 | 15        |
| Black      | 1 | 1 | Light Blue | 1  | 1         |
| White      | 1 | 1 | Red        | 1  | 1         |
| Black      | 1 | 1 | Black      |    | 1         |
| Yellow     | 1 | 1 |            |    |           |
| Black      | 2 | 2 |            |    |           |
| Light Blue | 1 | 1 |            |    |           |
| Blue       |   | 5 |            |    | UNIT A, B |

## MacLEAN (Hunting)

|        |   |   |        |    |    |
|--------|---|---|--------|----|----|
| Unit A | v | ^ | Unit B | v  | ^  |
| Black  | 4 | 4 | Green  | 15 | 15 |
| Green  | 4 | 4 | Black  |    | 4  |
| Black  | 8 | 8 |        |    |    |

|       |   |   |
|-------|---|---|
| White | 2 | 2 |
| Black | 8 | 8 |
| Green | 4 |   |

UNIT A, B

MacLENNAN see LOGAN

MacLEOD

|        |    |    |        |    |    |
|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  |
| Black  | 15 | 15 | Yellow | 23 | 23 |
| Yellow | 2  | 2  | Red    | 3  |    |
| Black  | 15 |    |        |    |    |

UNIT A, B

MacLEOD of Harris

|        |    |    |        |    |    |
|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  |
| Black  | 11 | 11 | Green  | 16 | 16 |
| Blue   | 16 | 16 | Black  | 1  | 1  |
| Black  | 1  | 1  | Red    | 2  |    |
| Yellow | 2  |    |        |    |    |

UNIT A, B

MacMILLAN

|        |    |    |        |   |   |
|--------|----|----|--------|---|---|
| Unit A | v  | ^  | Unit B | v | ^ |
| Red    | 3  | 3  | Yellow | 9 | 9 |
| Yellow | 2  | 2  | Red    | 2 | 2 |
| Red    | 13 | 13 | Yellow | 9 | 9 |
| Yellow | 1  | 1  | Red    | 1 |   |
| Red    | 3  |    |        |   |   |

UNIT A, B

MacMILLAN (Hunting)

|        |    |    |        |    |    |
|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  |
| Black  | 6  | 6  | Green  | 10 | 10 |
| Yellow | 3  | 3  | Red    | 3  | 3  |
| Black  | 6  | 6  | Green  | 10 | 10 |
| Blue   | 12 | 12 | Red    | 2  |    |
| Yellow | 1  | 1  |        |    |    |
| Blue   | 6  |    |        |    |    |

UNIT A, B

MacNAB

|            |    |    |            |    |    |            |    |    |
|------------|----|----|------------|----|----|------------|----|----|
| Unit A     | v  | ^  | Unit B     | v  | ^  | Unit C     | v  | ^  |
| Cherry Red | 10 | 10 | Red        | 14 | 14 | Cherry Red | 10 | 10 |
| Green      | 13 | 13 | Cherry Red | 2  |    | Green      | 1  | 1  |
| Cherry Red | 2  | 2  |            |    |    | Cherry Red | 2  | 2  |
| Green      | 1  |    |            |    |    | Green      | 1  | 1  |
|            |    |    |            |    |    | Cherry Red | 2  | 2  |
|            |    |    |            |    |    | Green      | 14 |    |

UNIT A, B, C, B

MacNAUGHTON

|        |   |   |        |   |   |
|--------|---|---|--------|---|---|
| Unit A | v | ^ | Unit B | v | ^ |
| Green  | 9 | 9 | Red    | 9 | 9 |
| Black  | 5 | 5 | Blue   | 2 | 2 |



|       |   |   |       |   |           |
|-------|---|---|-------|---|-----------|
| Blue  | 5 | 5 | Black | 1 |           |
| Red   | 9 | 9 |       |   |           |
| Blue  | 2 | 2 |       |   |           |
| Black |   | 1 |       |   | UNIT A, B |

## MacNEIL of Barra

|        |    |    |        |    |           |
|--------|----|----|--------|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^         |
| Black  | 10 | 10 | Green  | 10 | 10        |
| Blue   | 10 | 10 | Black  | 1  | 1         |
| White  |    | 3  | Yellow |    | 3         |
|        |    |    |        |    | UNIT A, B |

## MacNEIL of Colonsay

|        |   |   |        |   |           |
|--------|---|---|--------|---|-----------|
| Unit A | v | ^ | Unit B | v | ^         |
| Black  | 9 | 9 | Green  | 9 | 9         |
| Blue   | 9 | 9 | White  | 2 | 2         |
| Black  |   | 4 | Green  | 9 | 9         |
|        |   |   | Blue   |   | 6         |
|        |   |   |        |   | UNIT A, B |

## MacPHERSON

|        |    |    |        |   |           |
|--------|----|----|--------|---|-----------|
| Unit A | v  | ^  | Unit B | v | ^         |
| Green  | 10 | 10 | Red    | 8 | 8         |
| Yellow | 1  | 1  | Blue   | 2 | 2         |
| Black  | 7  | 7  | Red    |   | 8         |
| Blue   | 5  | 5  |        |   |           |
| Black  | 1  | 1  |        |   |           |
| Blue   | 2  | 2  |        |   |           |
| Black  | 1  | 1  |        |   |           |
| Blue   | 5  | 5  |        |   |           |
| Red    | 5  | 5  |        |   |           |
| White  | 1  | 1  |        |   |           |
| Black  | 1  | 1  |        |   |           |
| Red    |    | 1  |        |   | UNIT A, B |

## MacPHERSON (Hunting)

|        |    |    |        |    |           |
|--------|----|----|--------|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^         |
| Red    | 2  | 2  | Grey   | 16 | 16        |
| Blue   | 4  | 4  | Red    | 2  | 2         |
| Red    | 2  | 2  | Blue   |    | 4         |
| Black  | 18 | 18 |        |    |           |
| Red    | 2  | 2  |        |    |           |
| Blue   |    | 4  |        |    | UNIT A, B |

## MacPHERSON (Dress)

|        |    |    |        |    |           |
|--------|----|----|--------|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^         |
| Black  | 18 | 18 | White  | 15 | 15        |
| White  | 3  | 3  | Red    | 3  | 3         |
| Black  | 6  | 6  | White  |    | 3         |
| Yellow |    | 3  |        |    | UNIT A, B |

## MacRAE

|        |   |   |        |   |   |        |   |   |
|--------|---|---|--------|---|---|--------|---|---|
| Unit A | v | ^ | Unit B | v | ^ | Unit C | v | ^ |
|--------|---|---|--------|---|---|--------|---|---|

|      |   |   |        |   |   |               |   |   |
|------|---|---|--------|---|---|---------------|---|---|
| Red  | 9 | 9 | Green  | 7 | 7 | White         | 1 | 1 |
| Blue | 1 | 1 | Red    | 2 | 2 | Red           | 2 | 2 |
| Red  | 1 | 1 | Green  |   | 7 | Blue          | 7 | 7 |
| Blue | 2 | 2 |        |   |   | Red           |   | 2 |
| Red  | 1 | 1 | Unit D |   |   |               |   |   |
| Blue | 1 | 1 | Red    | 9 | 9 |               |   |   |
| Red  |   | 9 | Green  | 2 | 2 | UNIT A, B, A, |   |   |
|      |   |   | Red    |   | 2 | C, D, B, D, C |   |   |

## 1.24 Tartans M-W

100 Traditional Scottish Tartans (Continued)

### MATHESON

|        |   |   |        |    |    |           |  |
|--------|---|---|--------|----|----|-----------|--|
| Unit A | v | ^ | Unit B | v  | ^  |           |  |
| Blue   | 7 | 7 | Red    | 22 | 22 |           |  |
| Green  | 2 | 2 | Green  | 1  | 1  |           |  |
| Red    | 1 | 1 | Red    | 1  | 1  |           |  |
| Green  | 1 | 1 | Green  | 1  | 1  |           |  |
| Red    | 1 | 1 | Red    | 3  | 3  |           |  |
| Green  | 2 | 2 | Green  |    | 5  |           |  |
| Red    | 5 | 5 |        |    |    |           |  |
| Green  | 1 | 1 |        |    |    |           |  |
| Red    | 1 | 1 |        |    |    |           |  |
| Green  | 1 | 1 |        |    |    |           |  |
| Red    | 1 | 1 |        |    |    |           |  |
| Blue   | 7 | 7 |        |    |    |           |  |
| Green  | 4 | 4 |        |    |    |           |  |
| Red    | 1 | 1 |        |    |    |           |  |
| Green  |   | 4 |        |    |    | UNIT A, B |  |

### MAXWELL

|        |   |   |        |    |    |           |  |
|--------|---|---|--------|----|----|-----------|--|
| Unit A | v | ^ | Unit B | v  | ^  |           |  |
| Black  | 4 | 4 | Red    | 16 | 16 |           |  |
| Red    | 3 | 3 | Green  | 1  | 1  |           |  |
| Green  | 9 | 9 | Red    |    | 3  |           |  |
| Red    |   | 3 |        |    |    | UNIT A, B |  |

### MENZIES

|        |   |    |            |    |    |           |  |
|--------|---|----|------------|----|----|-----------|--|
| Unit A | v | ^  | Unit B     | v  | ^  |           |  |
| White  | 4 | 4  | Red        | 15 | 15 |           |  |
| Red    | 3 | 3  | Red (same) |    | 2  |           |  |
| White  | 4 | 4  |            |    |    |           |  |
| Red    | 6 | 6  |            |    |    |           |  |
| White  | 2 | 2  |            |    |    |           |  |
| Red    | 1 | 1  |            |    |    |           |  |
| White  |   | 10 |            |    |    | UNIT A, B |  |

### MORRISON

|        |    |    |        |    |    |  |  |
|--------|----|----|--------|----|----|--|--|
| Unit A | v  | ^  | Unit B | v  | ^  |  |  |
| Black  | 18 | 18 | Green  | 16 | 16 |  |  |

|       |    |    |       |   |           |
|-------|----|----|-------|---|-----------|
| Green | 2  | 2  | Black | 4 |           |
| Blue  | 16 | 16 |       |   |           |
| Red   |    | 4  |       |   | UNIT A, B |

## MUNRO

|        |    |    |        |    |           |
|--------|----|----|--------|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^         |
| Green  | 15 | 15 | Red    | 3  | 3         |
| Red    | 2  | 2  | Blue   | 1  | 1         |
| Blue   | 1  | 1  | Yellow | 1  | 1         |
| Yellow | 1  | 1  | Red    | 22 |           |
| Red    | 3  | 3  |        |    |           |
| Blue   | 7  | 7  |        |    |           |
| Red    | 3  | 3  |        |    |           |
| Yellow | 1  | 1  |        |    |           |
| Blue   | 1  | 1  |        |    |           |
| Red    | 16 | 16 |        |    |           |
| Green  | 2  | 2  |        |    |           |
| Red    | 2  | 2  |        |    |           |
| Green  |    | 2  |        |    | UNIT A, B |

## MURRAY

|        |    |    |        |    |    |        |    |    |
|--------|----|----|--------|----|----|--------|----|----|
| Unit A | v  | ^  | Unit B | v  | ^  | Unit C | v  | ^  |
| Black  | 11 | 11 | Green  | 11 | 11 | Black  | 11 | 11 |
| Blue   | 11 | 11 | Red    | 3  |    | Blue   | 2  | 2  |
| Black  | 1  | 1  |        |    |    | Black  | 2  | 2  |
| Red    |    | 3  |        |    |    | Blue   | 2  | 2  |
|        |    |    |        |    |    | Black  | 2  | 2  |
|        |    |    |        |    |    | Blue   |    | 11 |

UNIT A, B, C

## NAPIER

|        |    |    |        |   |           |
|--------|----|----|--------|---|-----------|
| Unit A | v  | ^  | Unit B | v | ^         |
| Black  | 5  | 5  | White  | 2 | 2         |
| Blue   | 15 | 15 | Black  | 3 | 3         |
| White  |    | 2  | White  | 8 | 8         |
|        |    |    | Black  | 3 | 3         |
|        |    |    | White  | 3 | 3         |
|        |    |    | Black  | 3 | 3         |
|        |    |    | White  | 3 | 3         |
|        |    |    | Black  | 6 |           |
|        |    |    |        |   | UNIT A, B |

## NICOLSON

|            |    |    |        |   |           |
|------------|----|----|--------|---|-----------|
| Unit A     | v  | ^  | Unit B | v | ^         |
| Green      | 10 | 10 | Red    | 6 | 6         |
| Red        | 1  | 1  | Green  | 1 | 1         |
| Black      | 5  | 5  | Red    | 6 | 6         |
| Light Blue | 1  | 1  | Black  | 1 |           |
| Black      | 5  | 5  |        |   |           |
| Red        | 6  | 6  |        |   |           |
| Green      | 1  | 1  |        |   |           |
| Red        | 6  | 6  |        |   |           |
| Black      |    | 1  |        |   | UNIT A, B |



## SINCLAIR

| Unit A | v | ^  | Unit B     | v | ^ |           |
|--------|---|----|------------|---|---|-----------|
| Blue   | 4 | 4  | Red        | 6 | 6 |           |
| White  | 1 | 1  | Red (same) |   | 6 |           |
| Black  | 3 | 3  |            |   |   |           |
| Green  | 7 | 7  |            |   |   |           |
| Red    |   | 18 |            |   |   | UNIT A, B |

## STEWART (Royal)

| Unit A     | v | ^ | Unit B     | v  | ^  |           |
|------------|---|---|------------|----|----|-----------|
| Light Blue | 3 | 3 | Red        | 10 | 10 |           |
| Black      | 5 | 5 | Red (same) |    | 10 |           |
| Yellow     | 1 | 1 |            |    |    |           |
| Black      | 1 | 1 |            |    |    |           |
| White      | 1 | 1 |            |    |    |           |
| Black      | 1 | 1 |            |    |    |           |
| Green      | 6 | 6 |            |    |    |           |
| Red        | 3 | 3 |            |    |    |           |
| Black      | 1 | 1 |            |    |    |           |
| Red        | 3 | 3 |            |    |    |           |
| White      |   | 1 |            |    |    | UNIT A, B |

## STEWART (Hunting)

| Unit A | v | ^ | Unit B | v | ^ | Unit C | v | ^               |
|--------|---|---|--------|---|---|--------|---|-----------------|
| Black  | 4 | 4 | Green  | 9 | 9 | Black  | 3 | 3               |
| Blue   | 1 | 1 | Yellow |   | 2 | Green  | 2 | 2               |
| Black  | 1 | 1 |        |   |   | Black  | 5 | 5               |
| Blue   | 1 | 1 |        |   |   | Green  |   | 2               |
| Black  | 1 | 1 | Unit D |   |   |        |   |                 |
| Blue   | 5 | 5 | Green  | 9 | 9 |        |   |                 |
| Green  |   | 2 | Red    |   | 2 |        |   |                 |
|        |   |   |        |   |   |        |   | UNIT A, B, C, D |

## STEWART (Dress)

| Unit A     | v | ^ | Unit B       | v  | ^  |           |
|------------|---|---|--------------|----|----|-----------|
| Light Blue | 3 | 3 | White        | 10 | 10 |           |
| Black      | 5 | 5 | White (same) |    | 10 |           |
| Yellow     | 1 | 1 |              |    |    |           |
| Black      | 1 | 1 |              |    |    |           |
| White      | 1 | 1 |              |    |    |           |
| Black      | 1 | 1 |              |    |    |           |
| Green      | 6 | 6 |              |    |    |           |
| Red        | 3 | 3 |              |    |    |           |
| Black      | 1 | 1 |              |    |    |           |
| Red        | 3 | 3 |              |    |    |           |
| White      |   | 1 |              |    |    | UNIT A, B |

## SUTHERLAND

| Unit A | v | ^ | Unit B | v  | ^  |
|--------|---|---|--------|----|----|
| Black  | 9 | 9 | Green  | 22 | 22 |
| Blue   | 3 | 3 | White  | 2  | 2  |
| Black  | 2 | 2 | Green  |    | 6  |

|       |    |    |  |           |
|-------|----|----|--|-----------|
| Blue  | 2  | 2  |  |           |
| Black | 2  | 2  |  |           |
| Blue  | 11 | 11 |  |           |
| Red   | 1  | 1  |  |           |
| Blue  | 2  | 2  |  |           |
| Red   |    | 3  |  | UNIT A, B |

URQUHART

|        |   |   |        |    |    |           |
|--------|---|---|--------|----|----|-----------|
| Unit A | v | ^ | Unit B | v  | ^  |           |
| Black  | 5 | 5 | Green  | 12 | 12 |           |
| Blue   | 2 | 2 | Blue   | 2  | 2  |           |
| Black  | 1 | 1 | Green  | 2  | 2  |           |
| Blue   | 2 | 2 | Red    |    | 2  |           |
| Black  | 1 | 1 |        |    |    |           |
| Blue   | 7 | 7 |        |    |    |           |
| White  | 1 | 1 |        |    |    |           |
| Blue   |   | 4 |        |    |    | UNIT A, B |

WALLACE

|        |    |    |        |    |    |           |
|--------|----|----|--------|----|----|-----------|
| Unit A | v  | ^  | Unit B | v  | ^  |           |
| Black  | 18 | 18 | Red    | 18 | 18 |           |
| Yellow |    | 2  | Black  |    | 2  | UNIT A, B |

WEMYSS

|        |   |   |        |    |    |           |
|--------|---|---|--------|----|----|-----------|
| Unit A | v | ^ | Unit B | v  | ^  |           |
| Black  | 3 | 3 | Red    | 18 | 18 |           |
| Red    | 3 | 3 | Green  | 2  | 2  |           |
| Black  | 8 | 8 | Red    |    | 3  |           |
| White  | 1 | 1 |        |    |    |           |
| Black  | 8 | 8 |        |    |    |           |
| Red    |   | 3 |        |    |    | UNIT A, B |

1.25 Contact

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