

a National Orchard Inventory for Scotland

project funded by Scottish Natural Heritage

Project Manager: Crispin W. Hayes, CW Hayes Associates

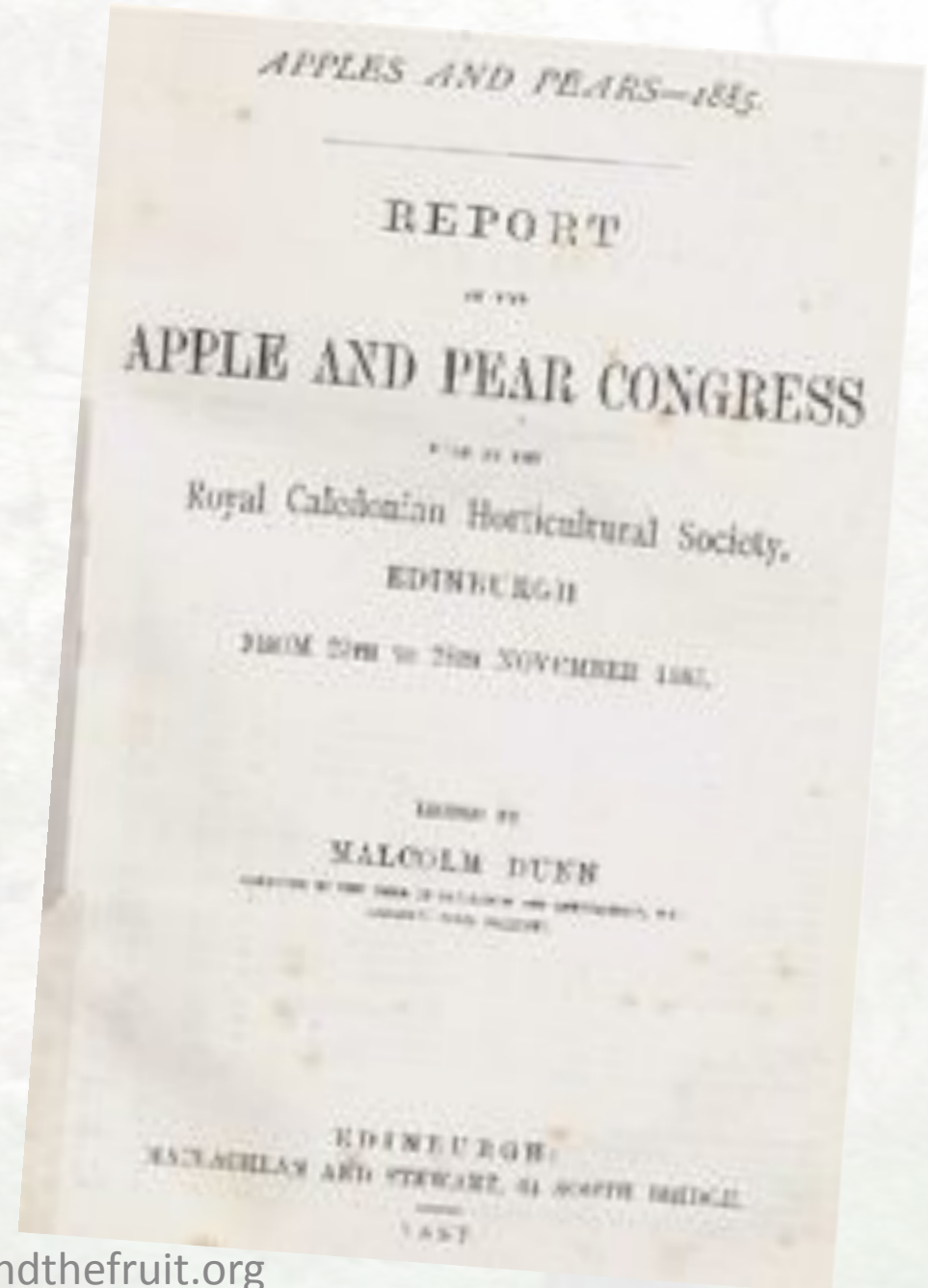
THE INVENTORY STORY SO FAR

Project partners:

Scottish Natural Heritage	Borders Forest Trust	National Trust for Scotland
People's Trust for Endangered Species	Orchard Research & Enterprise CIC	

What is it?

- it's a list of where orchards are and what there like
- when was it last done?
 - well it wasn't but the 1885 Congress documented 100s of orchards in Scotland . . .



SCOTLAND.

ABERDEENSHIRE.

NUMBER OF EXHIBITORS, 15.
 NUMBER OF SAMPLES EXHIBITED: 604 APPLES, 51 PEARS = 655.

Exhibitors.

1. MESSRS JAMES COCKER & SONS, Nurserymen, Sunnyside, Aberdeen.
 Number of Varieties Exhibited, 93 Apples.

Observations.—A fair lot of fruit, among the finest Apples being Ecklinville, Warner's King, Wellington, Stirling Castle, Tower of Glamis, Golden Noble, Blenheim Pippin, Calville Rouge d'Automne, Ribston Pippin, Kerry Pippin, Cox's Pomona, Lord Grosvenor, Annie Elizabeth, and Worcester Pearmain.

Exhibitor's Remarks.—A collection gathered from a variety of altitudes, aspects, sites, and soils, in the north-east of Scotland.

2. Mr GEORGE CRUCKENHANK, The Gardens, Cortes, Lommay.

Number of Varieties Exhibited, 1 Apple, 1 Pear = 2.

Altitude, 500 feet; aspect, south; site, sheltered; soil, clayey loam; subsoil, retentive clay.

Exhibitor's Remarks.—The Apple (provisionally named "Cortes Apple") is from an orchard standard on the Crab stock, and has been growing here for upwards of seventy years. It is a healthy tree, of moderate growth, and seldom fails to bear a good crop of medium sized fruit. The flesh is crisp, very juicy, and of a brisk, slightly acid flavour. It is suitable for either Culinary or Dessert purposes, and keeps well till May. The Pear, Beurré d'Amanlis, is on the Quince stock, trained to a wall, and bears freely.

3. Mr GEORGE DONALDSON, The Gardens, Keith Hall, Inverurie.

Number of Varieties Exhibited, 75 Apples.

tree of "George the Fourth" Apple, the only tree of that variety I know of in this district. They are over one hundred years old, healthy, and productive, and bear a fine large Apple suitable for Culinary purposes.

APPLES AND PEARS SUITED FOR WIGTOWNSHIRE.

Selected by

Mr JAMES DAY, Galloway House, Garlieston.
 Mr PETER LEXNOR, Castlewigg, Whithorn.

Best Varieties for a regular supply during the Season.

I. Dessert Apples.

Early Harvest (2).
 Thistle Pippin (2).
 Devonshire Quarrenden.
 King of the Pippins (2).
 Cox's Orange Pippin.
 Ribston Pippin.
 Blenheim Pippin (2).
 Court of Wick.
 Duke of Devonshire (2).
 Galloway Pippin.

II. Culinary Apples.

Kewick Collis (2).
 Lord Suffield (2).
 Ecklinville (2).
 Celliac.
 Hawthornden.
 Stirling Castle (2).
 Warner's King (2).
 Galloway Pippin (2).
 Alfriston.
 Wellington.

III. Dessert Pears.

Jargonelle (2).
 Williams' Bon Christian (2).
 Louise Bonne of Jersey (2).
 Marie Louise (2).
 Beurré Bosc.
 Beurré Diel (2).
 Hacon's Incomparable.
 Easter Beurré (2).
 Beurré Ratan.
 Ne plus Meuris.

IV. 12 Dessert Apples
for Baskets, &c.

Court of Wick.
 Cox's Orange Pippin.
 Devonshire Quarrenden.
 Early Harvest.
 Golden Pippin.
 Irish Peach (2).
 Kerry Pippin (2).
 King of the Pippins (2).
 Ribston Pippin.
 Thistle Pippin (2).
 Worcester Pearmain.
 Yellow Ingestrie.

V. 12 Apples for
Orchards.

Alfriston.
 Beauty of Kent.
 Blenheim Pippin (2).
 Celliac.
 Ecklinville (2).
 Galloway Pippin (2).
 Hawthornden (2).
 Kewick Collis (2).
 Potts' Seedling.
 Stirling Castle (2).
 Warner's King (2).
 Wellington.

VII. 4 Pears for Orchards.

Antean Benjamin (2).
 Beurré de Capiaumont.
 Hacon's Incomparable.
 Hacon (2).
 Louise Bonne of Jersey.
 Swan's Egg (2).

VIII. 2 Blooming Pears.

Celliac (2).
 Gilgit.
 Versham (2).

Why do it now ?

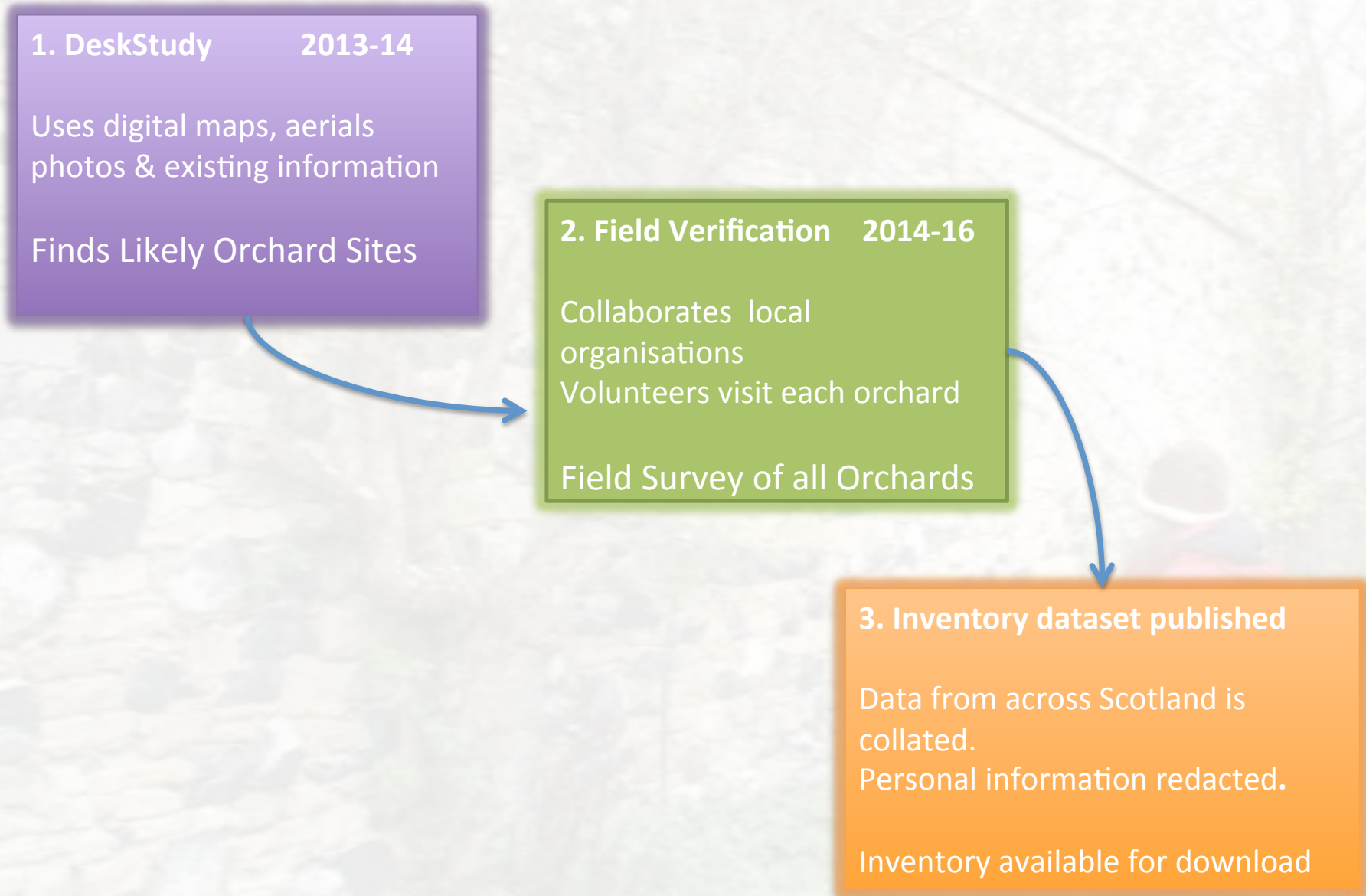
Lot of reasons - these are the reasons we think it is worthwhile:

- orchards are an important part of our **landscape** for many reasons; local tasty fruit, part of cultural heritage, pretty blossom in the Spring, local business that uses the fruit, valuable habitat for birds and beasties – and so on.
- our longstanding traditional orchards are in decline, and have been for many decades. We are approaching a **critical phase** – we need to do something now to ensure their survival.
- knowing what is out there – across Scotland – will give us all a lot of information about where best to **target attention**, and who to engage with.

Have you got any to add ?

- **How many trees makes an orchard ?**
- For the purpose of this work we are defining an orchard as **5 or more fruit trees** that are within 20m apart from crown edge to crown edge.

How does the process work?



What are the results so far?

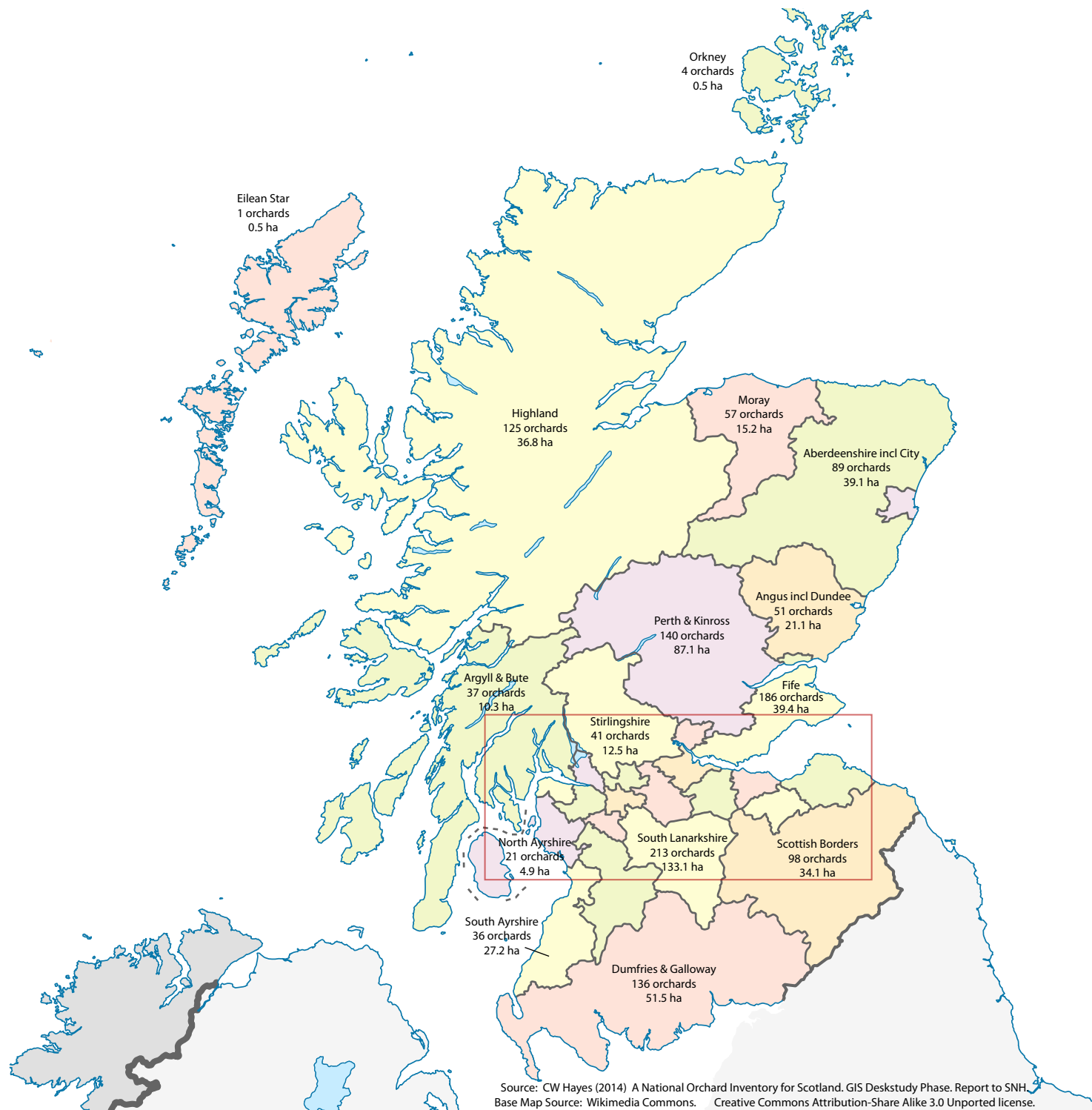
1. DeskStudy 2013-14

Uses digital maps, aerials
photos & existing information

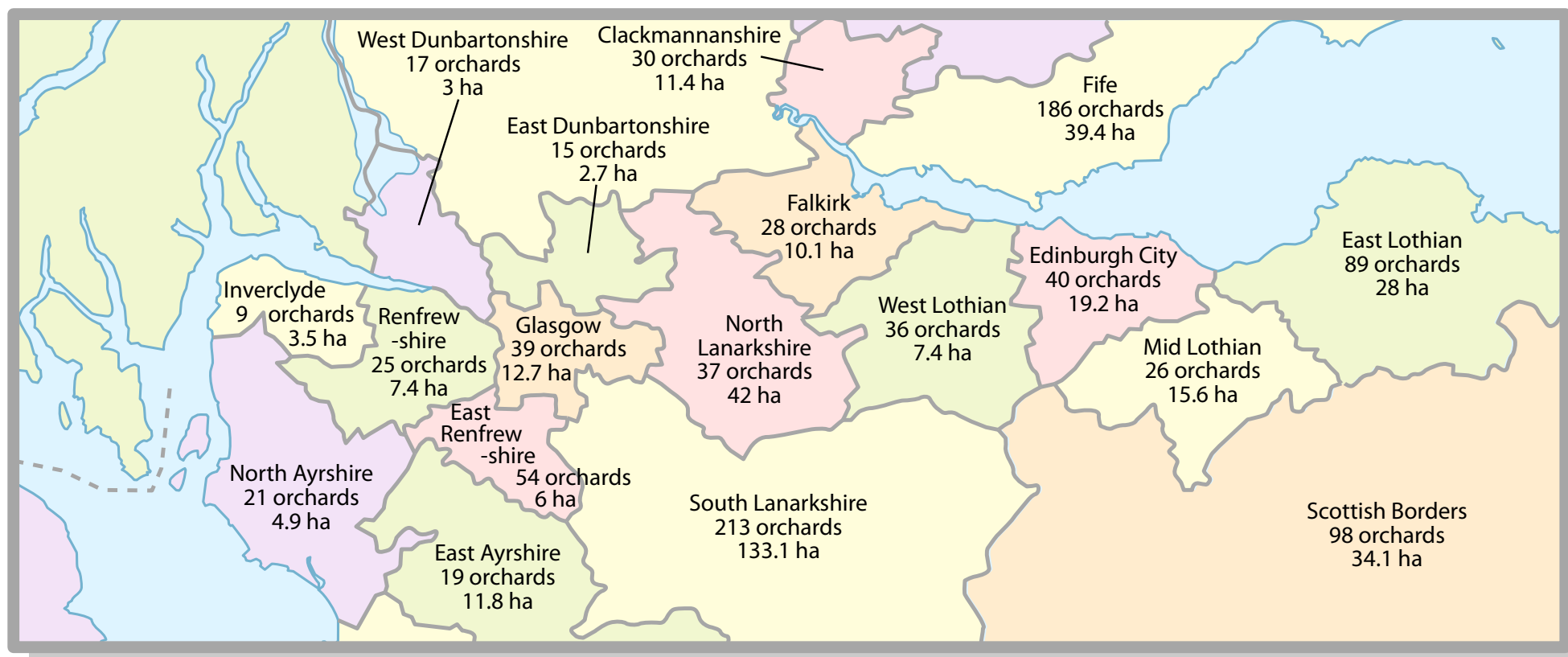
Finds Likely Orchard Sites

More than we expected . . .

- 1859 sites considered
- 1728 proposed as candidate orchards to go forward to field survey
- Orchards found in 31 out of 32 Unitary Authority areas.
- South Lanarkshire, followed by Fife have the largest number of candidate orchards, at 213 and 186 respectively
- Dumfries & Galloway, Highland, Perth & Kinross and Scottish Borders all have over 100 candidate orchards.
- The total area of candidate orchards is 714 hectares. This includes mixed habitats such as garden areas or walled gardens that contain an orchard.
- South Lanarkshire has the largest area with 133 hectares, much of which is found in the Clyde Valley.
- Perth & Kinross follows up with 87 hectares, including the Carse of Gowrie.
- Aberdeenshire, Dumfries & Galloway, Fife, Highland, North Lanarkshire, and the Scottish Borders all have more than 30 hectares each.



Source: CW Hayes (2014) A National Orchard Inventory for Scotland. GIS Deskstudy Phase. Report to SNH.
Base Map Source: Wikimedia Commons. Creative Commons Attribution-Share Alike 3.0 Unported license.



Full report of Deskstudy is available for download at www.scotlandthefruit.org

What now ?

2. Field Verification 2014-16

Collaboration with
local organisations
Volunteers visit each orchard

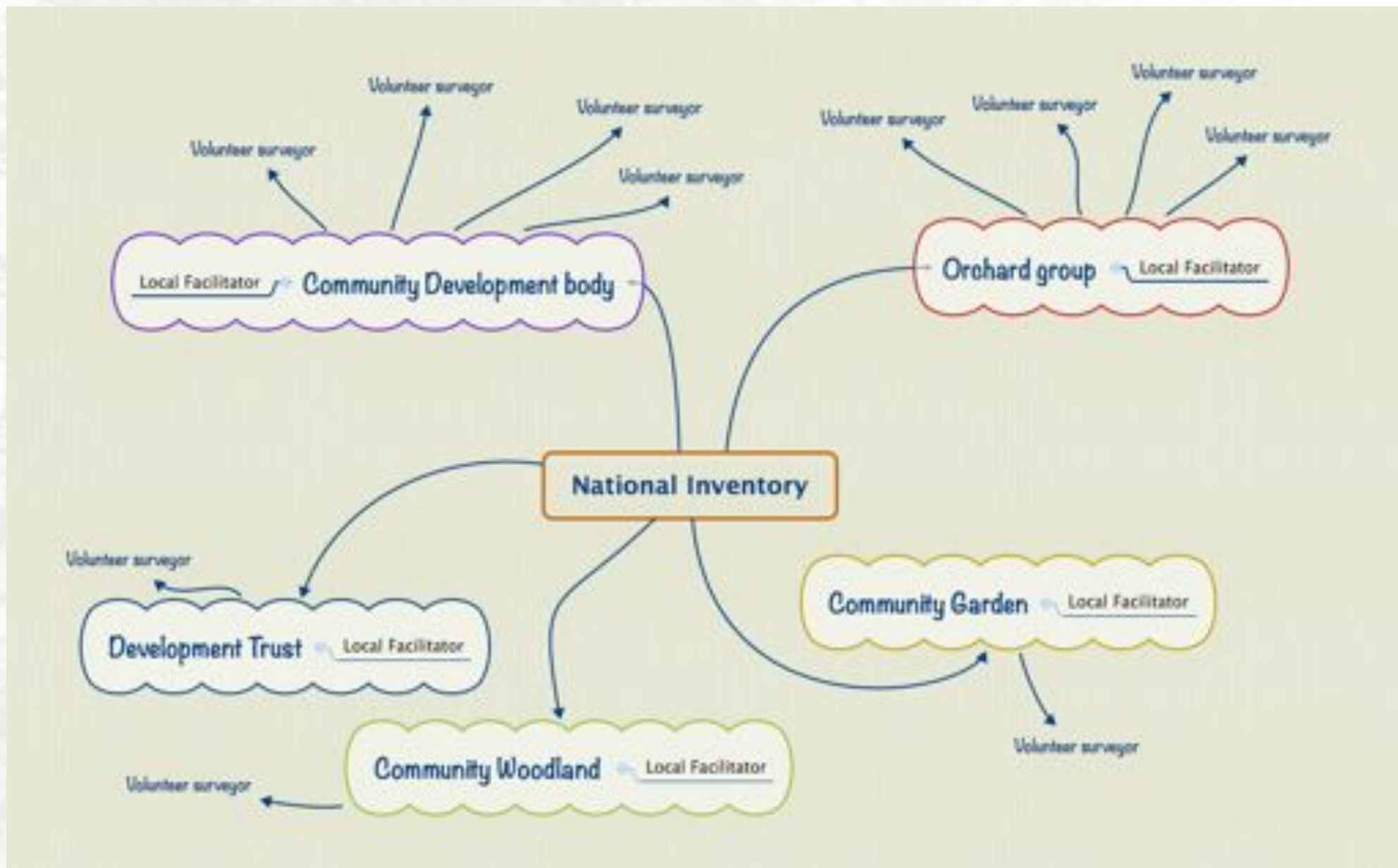
Field Survey of all Orchards

- already piloted with Borders Forest Trust
- over 100 orchards verified in Scottish Borders

How? - Collaboration

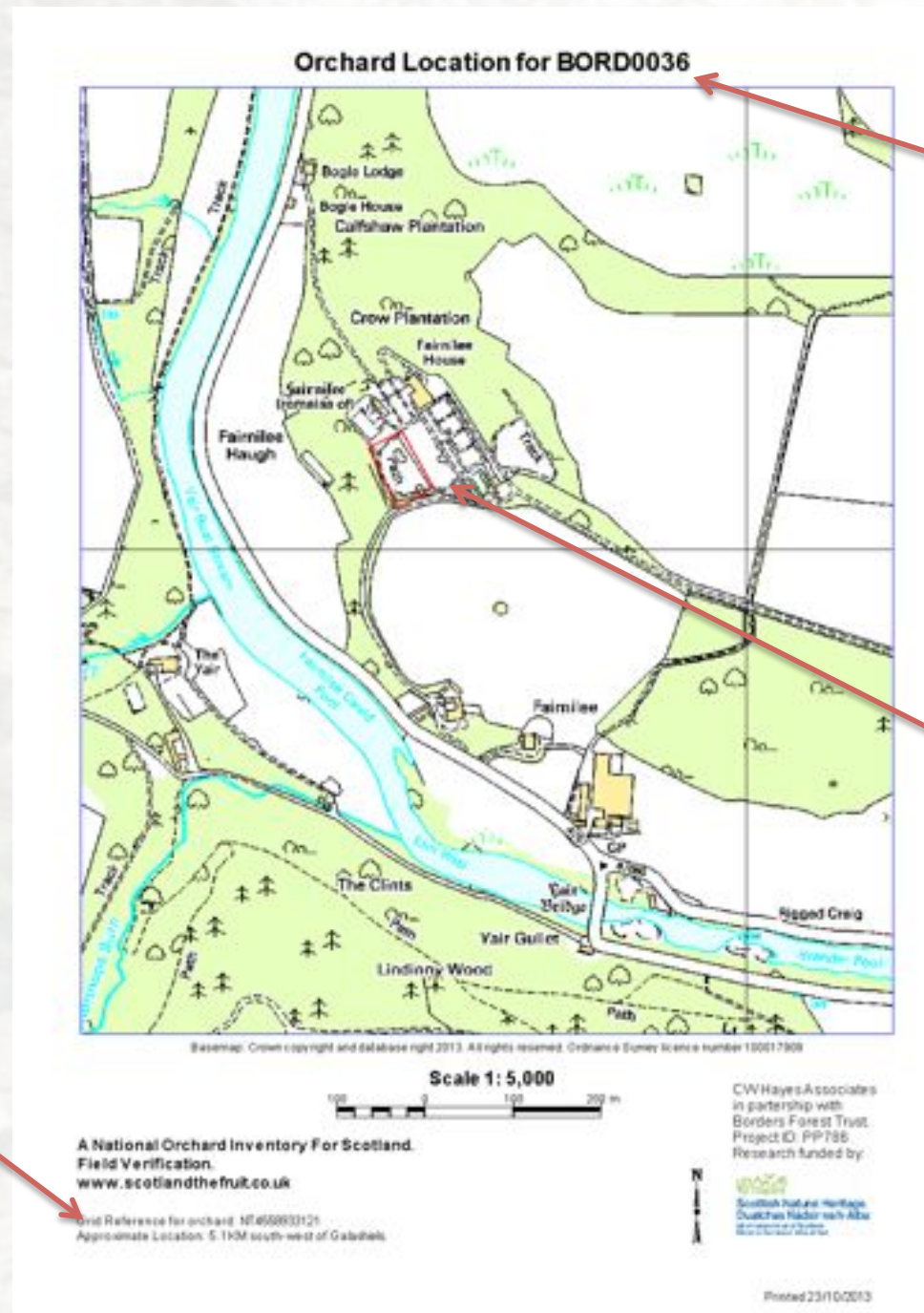






Location Map for
each site is provided
via Local Facilitator

Grid ref of
site and
approx
location



Unique site ref =
Orchard ID
very important
that everything
relating to this
site has that
number on it

red polygon
shows our
understanding
of orchard
area. If this is
incorrect, draw
actual extent,
and send it
back to us.

How to be involved – at least 3 ways

- **Volunteer surveyor** in your area
 - training provided
 - survey materials and methods ready to use
 - as few or as many visits as you like
 - feedback from Borders pilot was they really enjoyed it
- **Local organisations** act as a hub and host in your area. Collaboration.
 - **Local Facilitator** contracted to organise volunteers in your area
 - Methods & systems provided
 - Match funding available

RECRUITING NOW - see website for details

Kelso 1860s: Will this scale & normality of fruit trees & local food ever return ?

