

Pinpointing Your Paternal Ancestral Origin using Commercial DNA Testing

Use your DNA to rediscover your Scottish Heritage

Scottish
Origenes

www.scottishorigenes.com

Use your DNA to rediscover your Irish Heritage

Irish
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Use your DNA to rediscover your English Heritage

English
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Dr Tyrone Bowes

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Who am I/ What I do

- Dr Tyrone Bowes (experienced scientist).
- Full time Genetic Genealogist.
- I use the appearance of paternally inherited surnames an estimated 1000 years ago as a time point for a founding ancestor.
- Exploit the link between the Y chromosome, surname, and land which are passed from father to son.
- ***I do Personalised Case Study reports (free consultation), sell a range of Irish themed maps from the Irish Origenes website, surname studies, and write articles for various magazines***
- Launched Irish Origenes in June 2011
- Launched Scottish and English Origenes in 2012, Welsh Origenes will be launched in 2013.




There are 3 main commercial ancestral DNA tests

mtDNA; to reveal people with whom you share a common female ancestor

Y-DNA; to reveal people with whom you share a common male ancestor

Autosomal DNA test; to reveal shared male and female ancestry

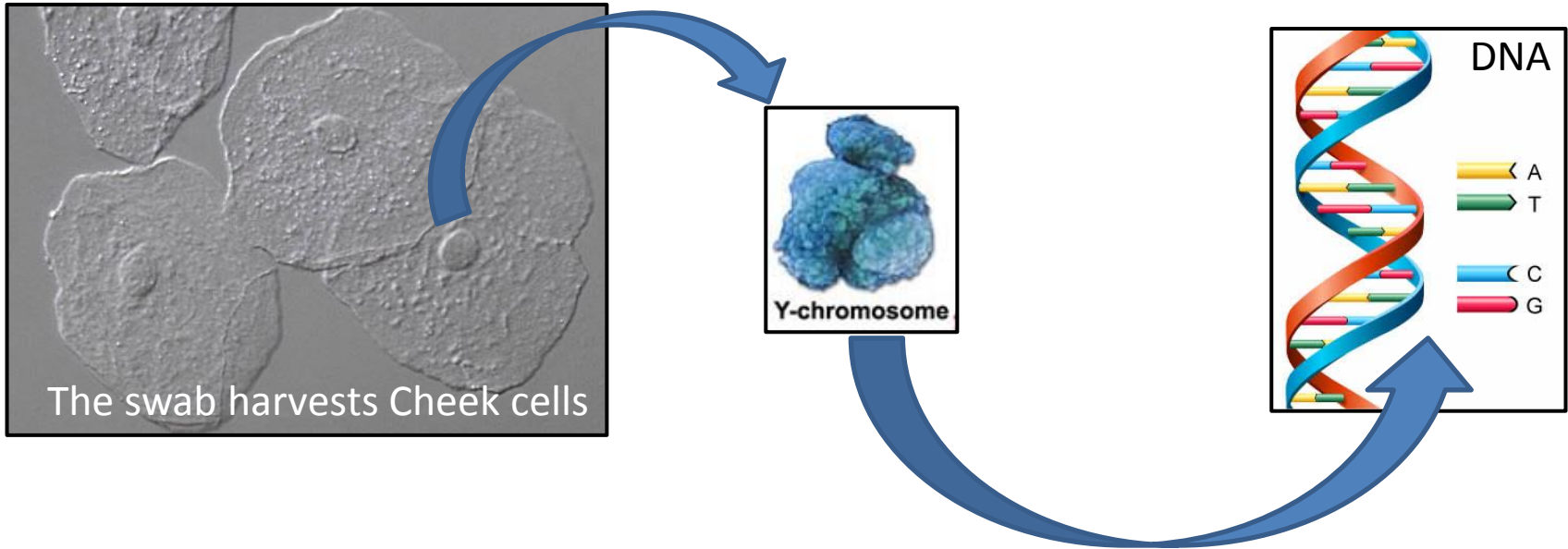
	Commercial ancestral DNA test		
	Y-DNA 	mtDNA	Autosomal
Who can take this DNA test?	males only	females only	males and females
Pinpointing a geographical origin (how specific is it)	very specific to within a 5 mile radius	Country/Geographical region	not applicable
Time Scale (to shared ancestry)	when surnames became common (e.g. 1000 years ago in Britain)	thousands of years	150-200 years
Can the link to an area be confirmed	Yes	Yes	not applicable



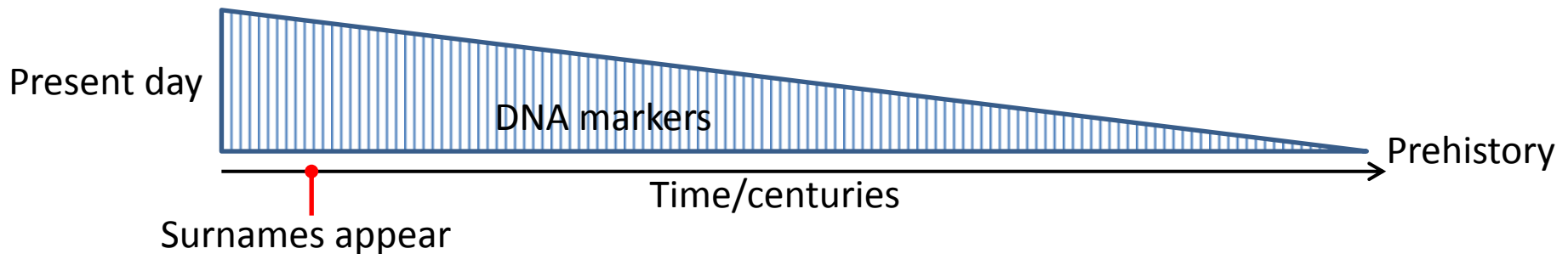
DNA testing is painless
Swab the cells and return it to
the DNA testing company



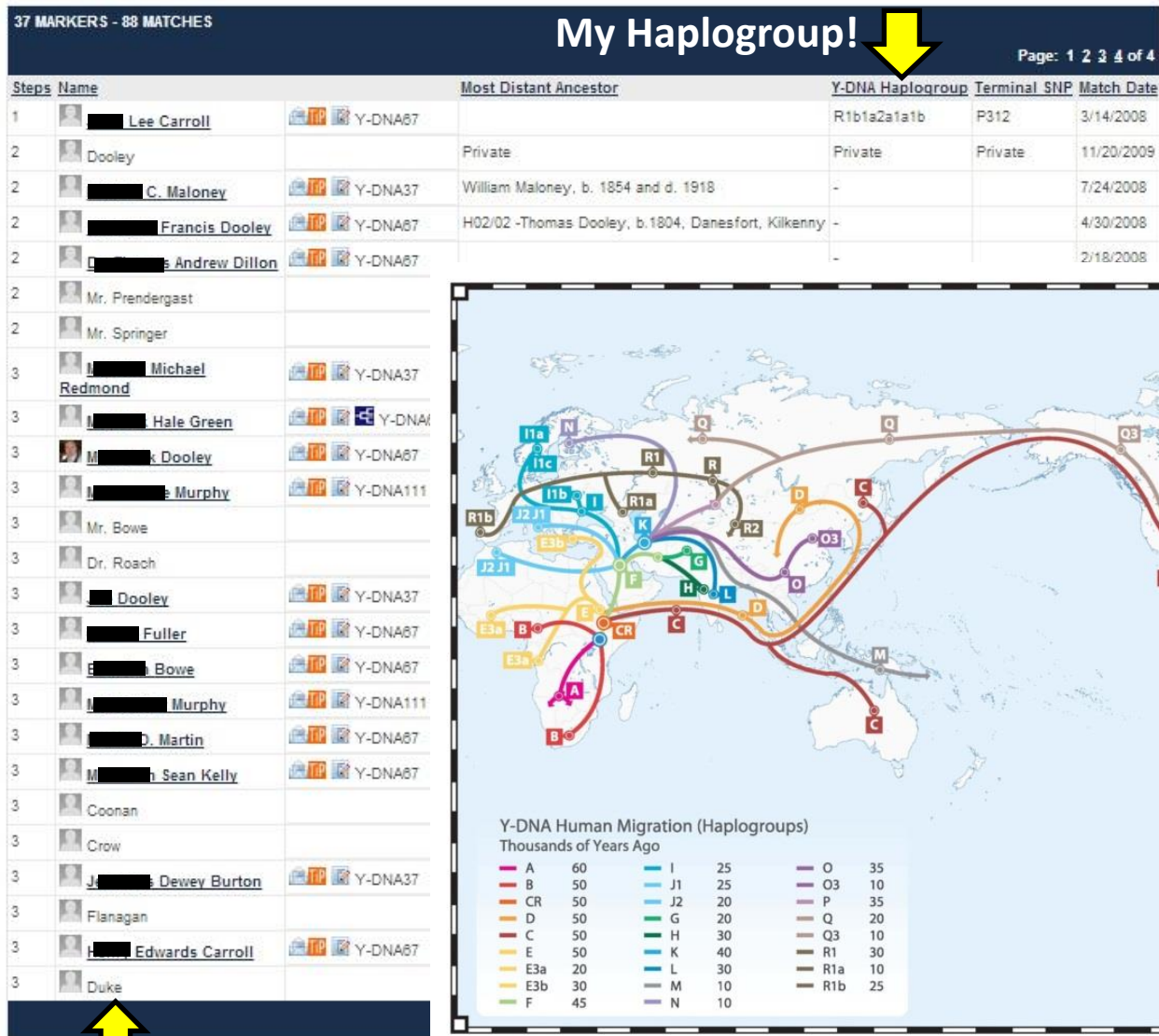
I work with Y-DNA results to pinpoint a paternal origin



- The test typically looks at 37 or 67 bits (or Markers) on the Y chromosome.
- The company compares these markers to others on their database who have also taken the Y-DNA test
- The more of the markers you share with someone the more recent your shared male ancestor lived (e.g. brothers would match at 37/37 or 67/67 markers)



My Bowes Commercial Ancestral Y-DNA results



**People I share a common male ancestor with!
(who have also tested)**



Steps	Name		Most Distant Ancestor
3	Mr. [REDACTED] Bowe ←		Michael Bowe, Ballycuddihy, Johnstown, Kilkenny, I
3	Mr. Prendergast		Private
4	[REDACTED] Bowe ←		Michael Bowe, bapt son Patrick 1878 Ballyfin Laois
4	[REDACTED] Carroll ←		
4	[REDACTED] Bowes ←		
4	Flanagan ←		
4	Mr. Springer		
5	[REDACTED] Redmond		
5	[REDACTED] Springer		
5	Flanagan ←		
5	Dr. Flanagan ←		
5	[REDACTED] Lee		
5	Flanagan ←		
5	[REDACTED] Carroll ←		
5	[REDACTED] Springer Jr.		
5	[REDACTED] Bowe ←		
6	[REDACTED] Green		
6	[REDACTED] Dooley ←		
6	[REDACTED] Springer		
6	[REDACTED] Martin		
6	Duke		
6	[REDACTED] Carroll ←		
6	[REDACTED] Purcell		
6	Purcell		
6	[REDACTED] Mitchell		
6	[REDACTED] d Flanagan Jr. ←		
6	[REDACTED] P Springer		SPRINGER, John
6	Flanagan ←		Private

- How can I share a common male ancestor with people with different Gaelic Irish surnames? Carroll, Dooley, Flanagan
- These surnames arose (Bowe, Carroll, Dooley, Flanagan) among a group of related males living in a specific location
- Examine where these surnames occur and you will reveal an area common to all... that will be where your direct male ancestor lived 1000 years ago when surnames became common!



Classify surnames according to the point at which they first appear as a genetic match

	67 marker							37 marker					
	exact	-1	-2	-3	-4	-5	-6	-7	exact	-1	-2	-3	-4
Bowes	-	-	-	Bowe/Bowes (x7)	Carroll (x15) Springer (x6)¹ Flanagan (x7)	Lee (x5)	Green (x3) Dooley (x8) Purcell/Pursel (x6) Mitchell (x2) Martin (x5) Kelly (x8)¹	Crow (x5) Murphy (x3) Roach (x2)	-	-	Fuller (x2)	-	Treacy/Tracy (x4) Ainsworth (x4)¹ Smith (x20)² Egan (x5) Ryan (x15) Wray/Ray (x5) Norman (x4)¹ Bathurst (x2) Ferguson (x5)² Raines/Rains (x5) Bird (x3) Rainey (x2) Powell (x3)
TIMELINE	2000-1800AD	1800-1600	1600-1400	1400-1200	1200-1000	1000-800	800-600	600-400AD					

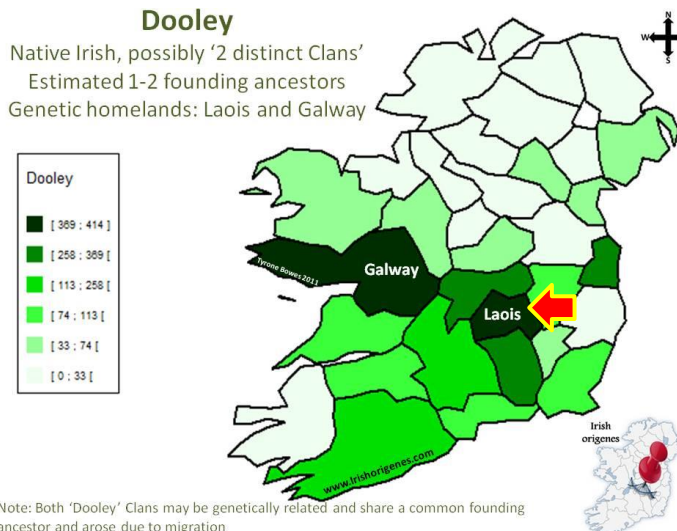
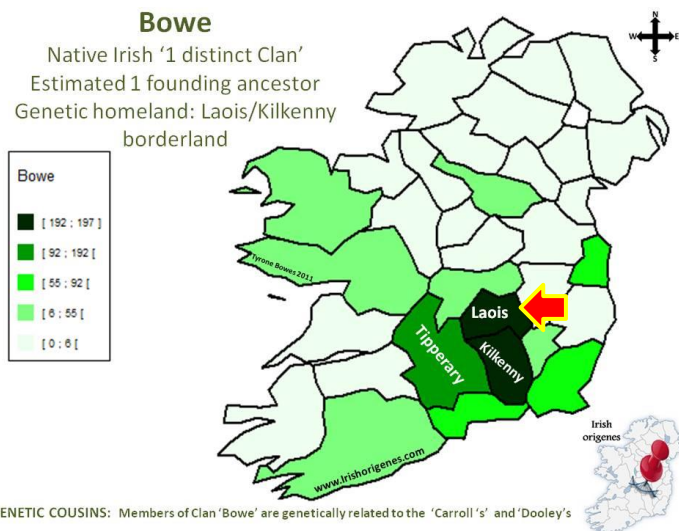
Figure 2: Reoccurring surname matches for test subject Bowes as revealed by commercial ancestral Y-DNA testing. Each Surname appears at the earliest point at which it occurs as a DNA match, for example the first match with a Bowe or Bowes occurs at 64 of 67 markers but not all Bowe/Bowes will match at that level. In brackets are the number of different individuals that occur as a match. Coloured font is indicative of the ethnicity associated with each surname; **Irish**, **Norman/English**, **Scottish**, black font indicates surnames with multiple possible ethnicities. Surnames in bold occur greater than 3 times. ¹Multiple individuals from the same close family tested, these are excluded from further analysis. ²The majority of these matches occur at the 12 marker level and hence the shared ancestry may be coincidental.

These (recurring) surnames will have arisen among a group of related individuals living in a specific location!

Plot where those surnames occur using census data and you'll reveal a common area of association (where ones direct male ancestor lived 1000 years ago)

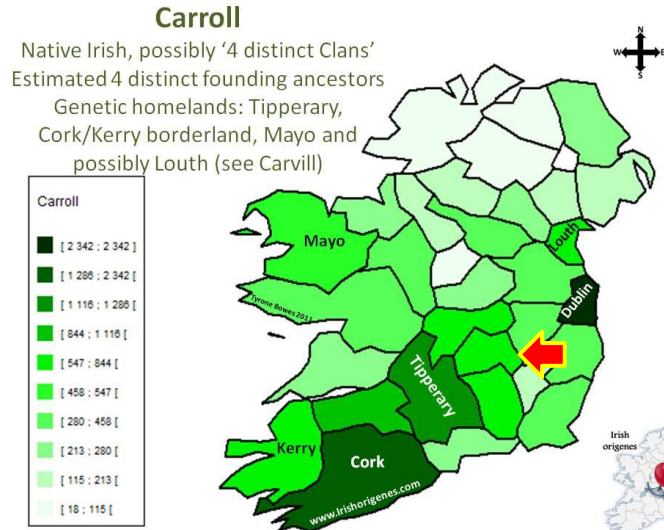


Irish Origenes Surname Distribution Maps for the surnames that appear as my closest most frequent genetic matches reveal a tentative paternal ancestral link with County Laois



GENETIC COUSINS: Members of Clan 'Bowe' are genetically related to the 'Carroll's' and 'Dooley's'

Note: Both 'Dooley' Clans may be genetically related and share a common founding ancestor and arose due to migration



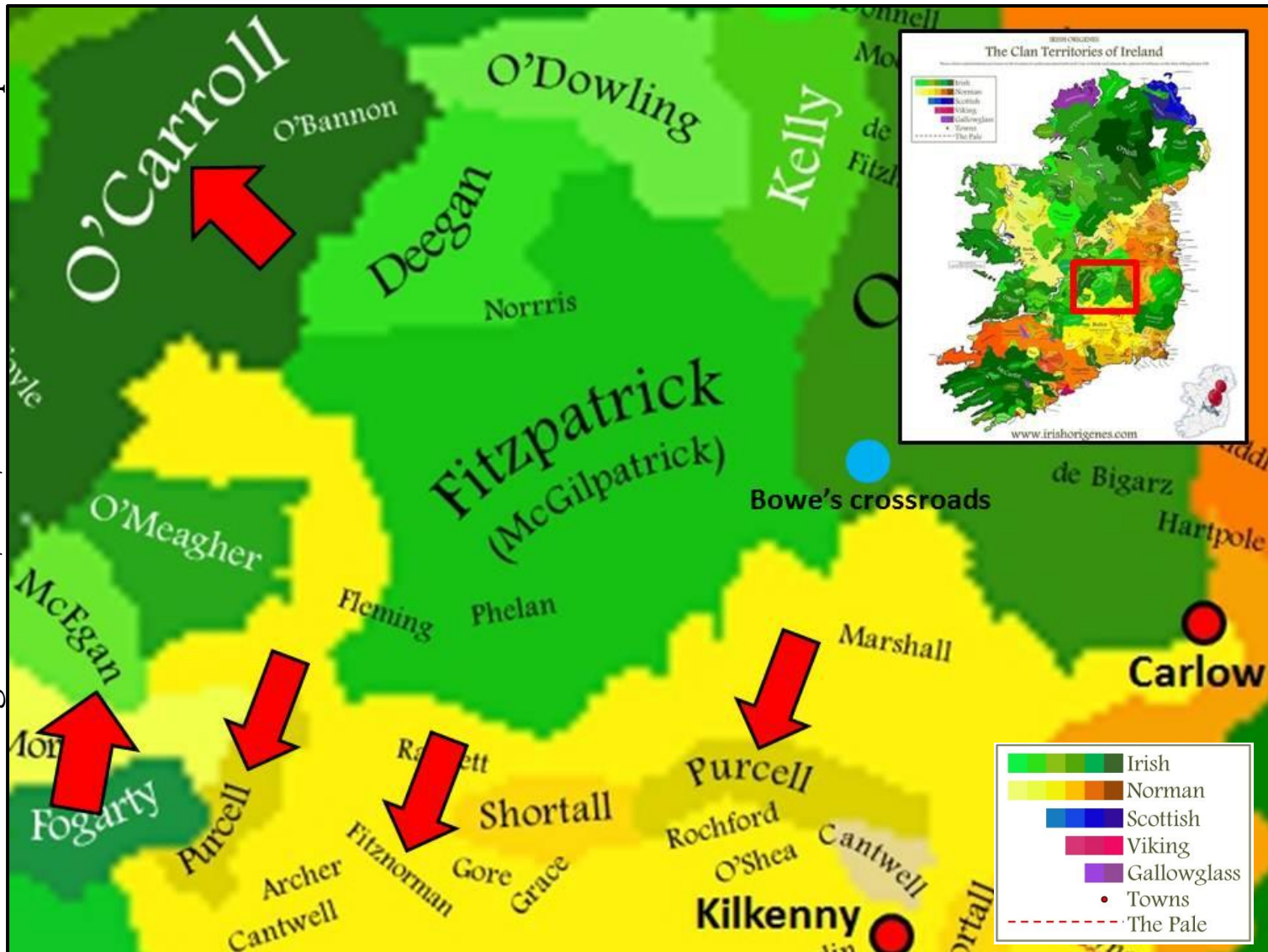
A paternal ancestral link with County Laois is revealed



Examine the History of Ones Paternal Ancestral Genetic Homeland

Irish Origenes 'Clan Territories of Ireland Map' if you have Irish ancestry you will be genetically related to at least one of these prominent Clans/Families

www.irishorigenes.com/store/irish-clan-territories-map



www.irishorigenes.com/store/irish-clan-territories-map



Once you identify an origin for your paternal line you can search that area for historical references to your Clan/Family!

The area you identify is also usually the area where your ancestors lived prior to their departure to Cities or to the New world.

It will be the area where your genealogical papertrail will begin/end

	67 marker							37 marker					
	exact	-1	-2	-3	-4	-5	-6	-7	exact	-1	-2	-3	-4
Bowes	-	-	-	Bowe/Bowes (x7)	<i>Carroll (x15)</i> Springer (x6) ¹ <i>Flanagan (x7)</i>	Lee (x5)	Green (x3) <i>Dooley (x8)</i> Purcell/Purset (x6) Mitchell (x2) Martin (x5) Kelly (x8) ¹	Crow (x5) Murphy (x3) Roach (x2)	-	-	Fuller (x2)	-	Treacy/Tracy (x4) Ainsworth (x4) ¹ Smith (x20) ² <i>Egan (x5)</i> Ryan (x15) Wray/Ray (x5) Norman (x4) ¹ Bathurst (x2) Ferguson (x5) ² Raines/Rains (x5) Bird (x3) Rainey (x2) Powell (x3)

The great cantred of the vigorous Clan Maonaigh
Is hereditary to *O'Dooley* (3)
This tribe are brave retainers
Placed at the breast of the clear streamed Bloyma.

A chief whose trees bear white nuts
Is over the Clan Conligan of heavy fruit
Twig of Biorra of Elyan tribe (4)
Mac Guilfoyle of the fair-white mansion.

Hy Deki, the goodly cantred of hills,
The wide, fair-mansioned land, (do dluthaigh duibh)
A fruitful land which adhered to them
Is O'Banan's Patrimonial (ancestral) inheritance (5)

Their country has been mightily peopled
By the O'Meaghers of Crioch Keerin (6)
Tribe of (at) the foot of Bearnan Eile (7)
No shame to recount their exploits.

Tuath Faralt (8) of the cleared woods
Is the inheritance of O'Hailchen,
A fair mansioned plain of populous tribe,
Like the land of Taillteann, dry, tho' streamy.

B The Cantreds of Ely O'Carroll poem by O'Heerin from 1420 describes the Kingdom of O'Carroll from the time of Brian Boru. It mentions 4 Clans that occur as a genetic match to Bowe's; O'Carroll's, Flanagan's, Hegan (Egan) and Dooley's

"Lords to whom stoop the nuts (a very odd expression)
Are the *O'Carrolls* of the Plain of Birra
King (Kings?) of Ely to the sweet Bloyma;
Most hospitable mansion in Ireland.

Eight tuathas (Cantreds) eight chiefs there are
Under the King of Ely - land of cattle
Brave the host in threating (tuar) an incursion
That yellow-waving-haired army.

O'Flanigan of the snowy hand
Rules over all the Kinel Arga (1)
Of the race of Teige, son of Kian of Crinna (1 1/2)
He dwells at hospitable Ardlick Oilill.

Over the Clan Rooney of the flowery roads
That sweet, cleared, smooth streamed country
That fair bordered, wine festive cantred
Rules Mag Corcran of the numerous tribe.

O'Hegan of Crioch Chein,
Is over the Clan Ionmhainen of smooth land
A cantred which showers a feast on every spot (2)
And a dew of honey on every cluster (pod).



Gael or Norman?

Historical references to my Bowes ancestors in the Laois/Kilkenny/Tipperary borderlands

From the Tudor *faints*:

"163 (118). Pardon to Jordan Morreyse, of Croghan, county Tipperary, husbandman; especially for the death of **Phillip O'Bowe**, ploughman." Dated 6th April 1548 (page 104, faints of Edward VI).

"2035 (1631.) Pardon to ... **John O'Bow**, late of Brownestown, ..." dated 11 January 1572. page 261.

"5370 (4286.) Pardon to ... **Phillip O Boe**, of Corristowne, ... co. Kilkenny." dated 4 November 1589.

"6191 (5017.) Pardon to ... **Edm. Obove** ... This pardon shall be of force only for persons born or residing in the province of Munster, or County of Kilkenny." dated 17 February 1598. pages 317-18.

"6484 (5240.) Pardon to ... **Rich O Boe**, husb., ..." dated 28 March 1601. page 401.

From the "Calandar of Papal Registers:

Papal Letters vol. xv 1484-1492" the index lists three men surnamed "**O Bogue (OBinyde, Oboe, Obuy)**"

1 - John, Canon of Aghmacart, to have rectory of Kildellig, number 688.

2 - Patrick, priest of Ossory diocese, to have rectory of Rathsaran and vicarage of Erke, number 674 (dated 19 April 1491, states "Patrick Obinyde, priest, d. Ossory", was the illegitimate son of unmarried parents. Apparently he also had a family).

3 - William, priest of Lismore diocese, to have vicarage of Rathdonan, number 358 (dated 25 February 1489)

Courtesy of Mr Adrian Martyn Medieval researcher, Galway City, Ireland



Boosting Tourism: Walk in your ancestors footsteps



Source: Irish Origenes surnames, castles, and placenames databases

**What does the DNA reveal about the human
colonization of Ireland?**

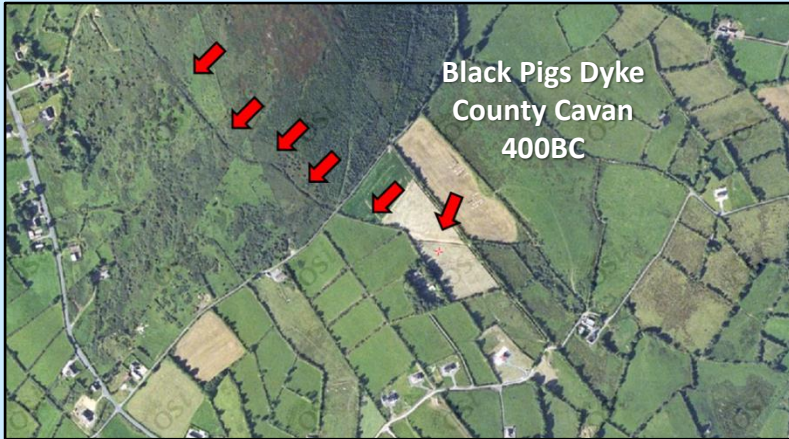
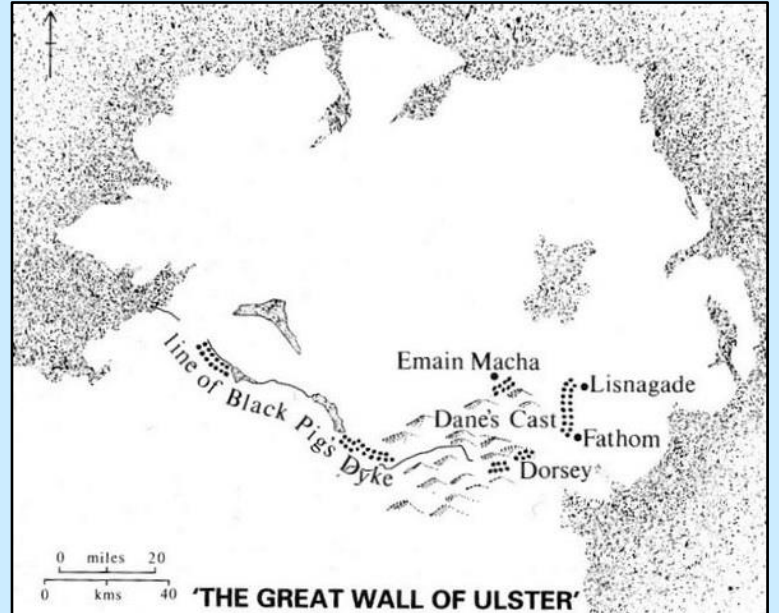
PRE-NORMAN DNA GROUPS

↓ Human Migration routes



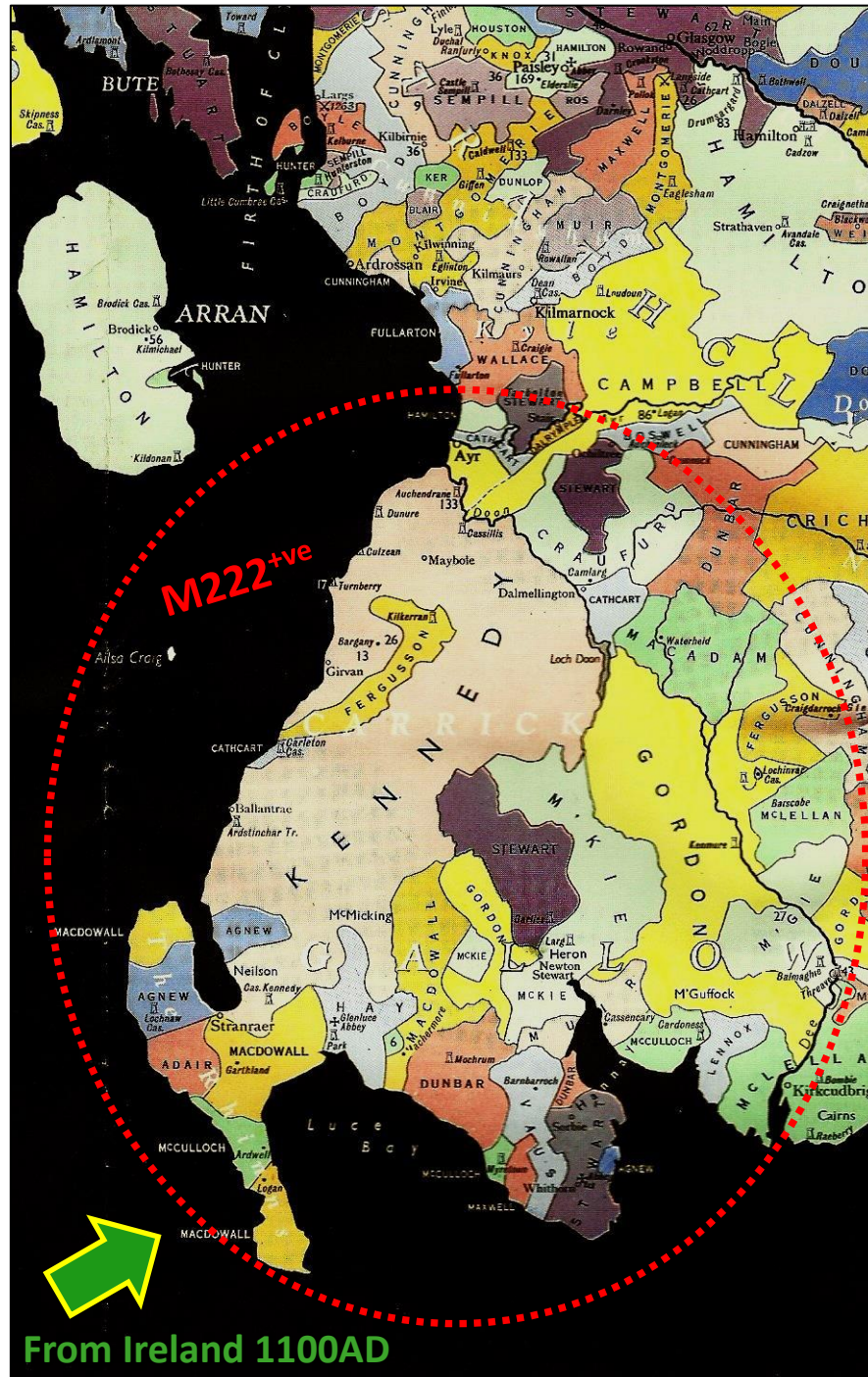
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A tentative Y-DNA Map of Ancient Ireland

The DNA analysis indicates that this was 2 way traffic



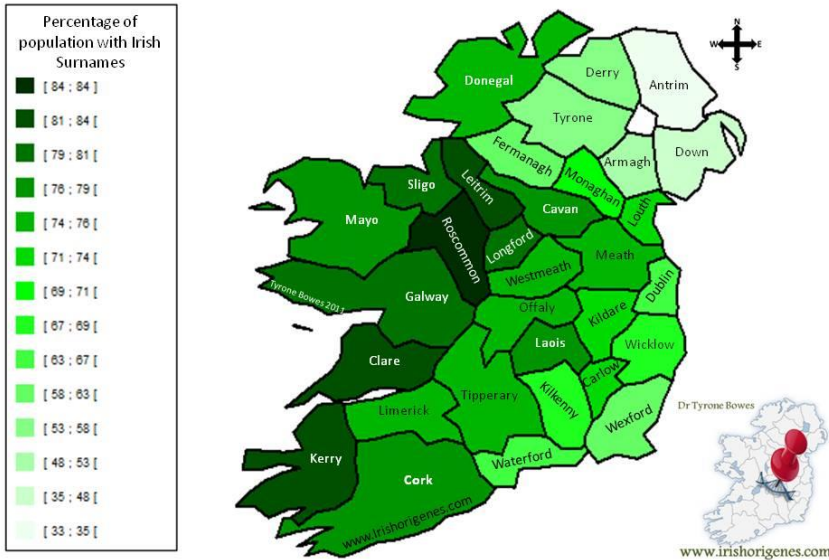
From Ireland 1100AD



Re-writing Irish history

Debunking the myth of the Galway O'Halloran Viking origin

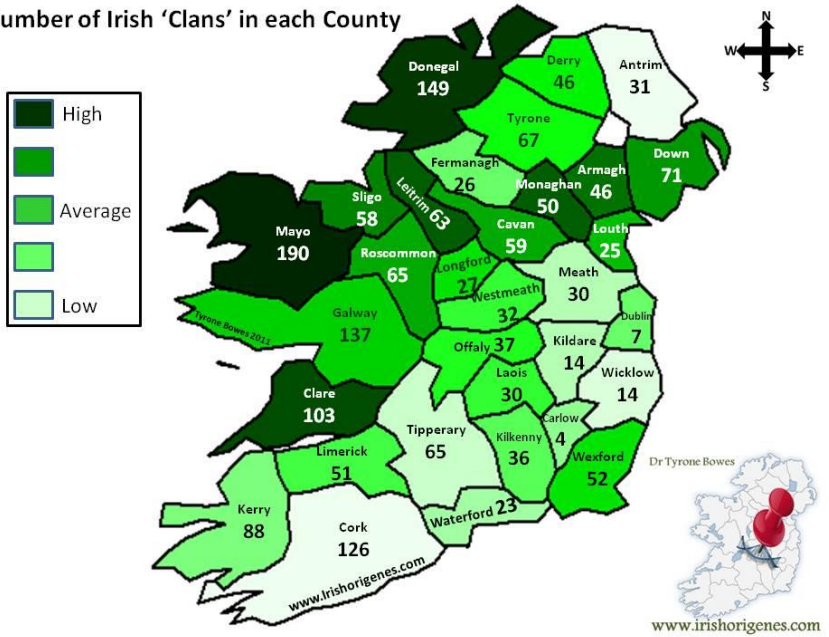
Distribution of people with Irish Surnames throughout the Counties of Ireland



The Celts have had the biggest impact in the History and Culture of the Irish people

About 60% of people with Irish ancestry are descended from the Prehistoric and Celtic peoples

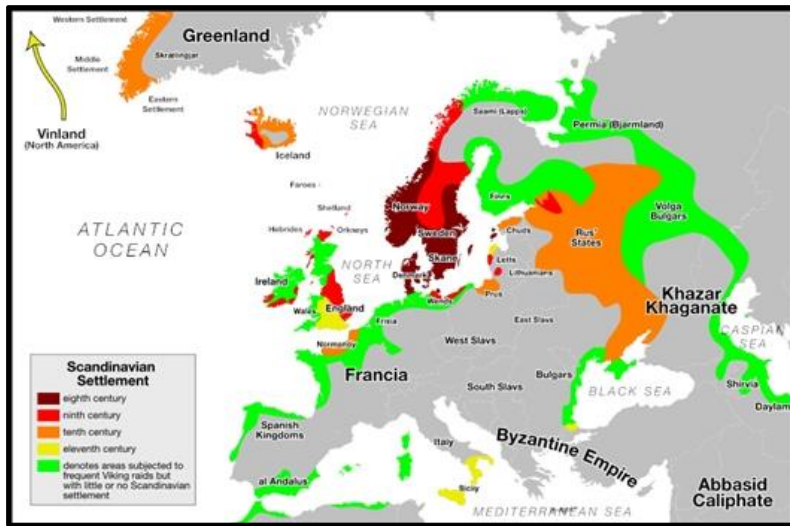
Number of Irish 'Clans' in each County



They gave the people of Ireland their distinctive

- Language:** (Irish/Gaelic)
- Surnames:** Beginning with Mac/Mc, O', Gil/Kil, or Mul,
- Clan system**
- Placenames**





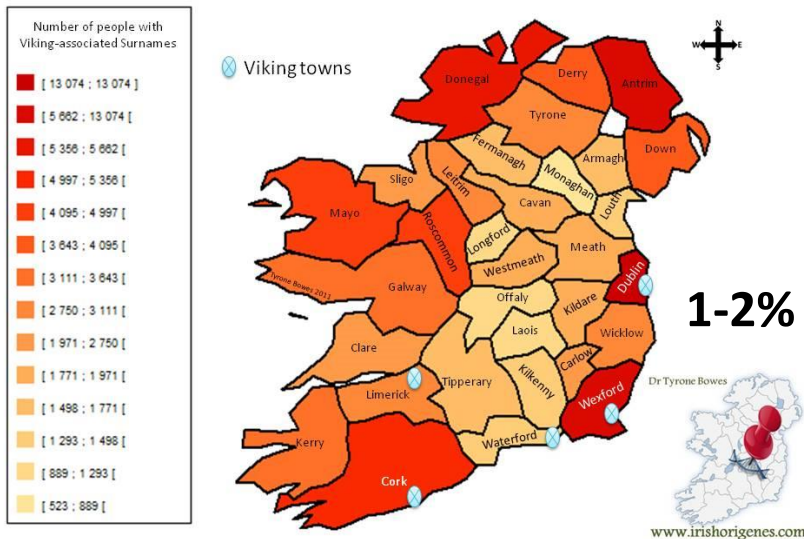
Raiding followed by settlement

THE VIKINGS

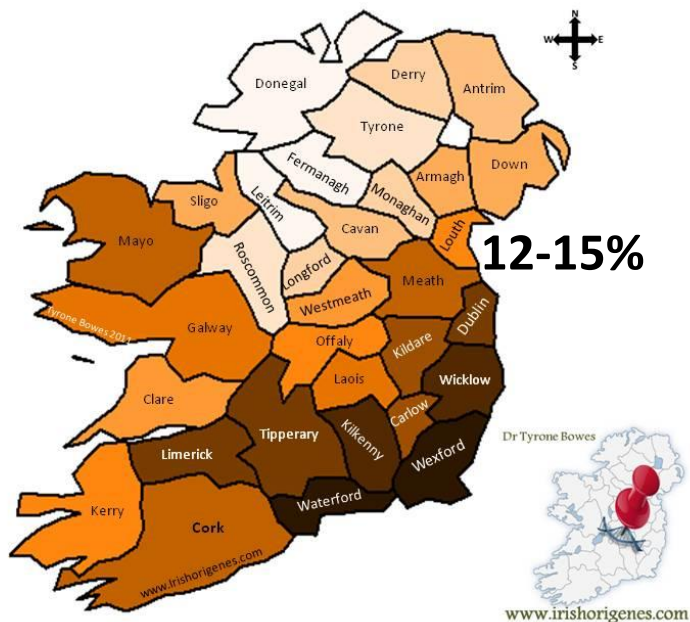
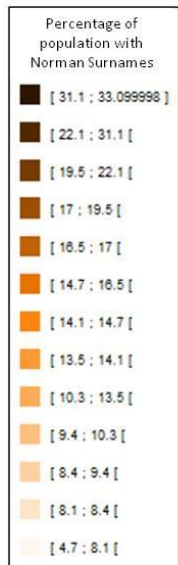
800-1169AD

They gave Ireland its first towns
How many settled?

Distribution of people with Viking-associated Surnames throughout Ireland

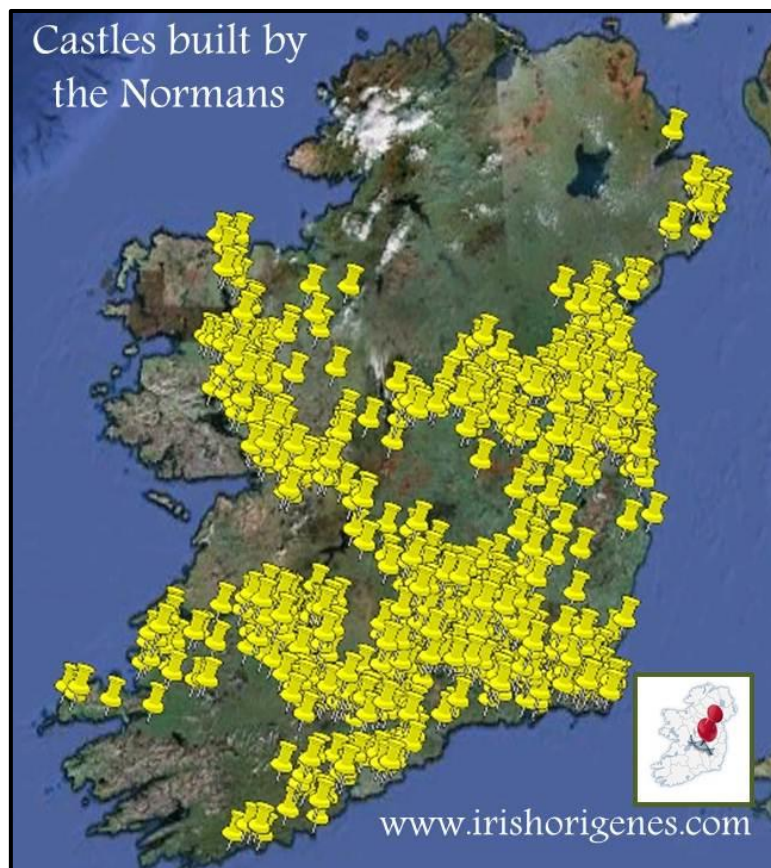


Distribution of Norman Surnames throughout Ireland



THE NORMANS

Arrived in 1169AD
 Conquered most of the Country
 and brought with them their
 Welsh, English, and Flemish
 followers

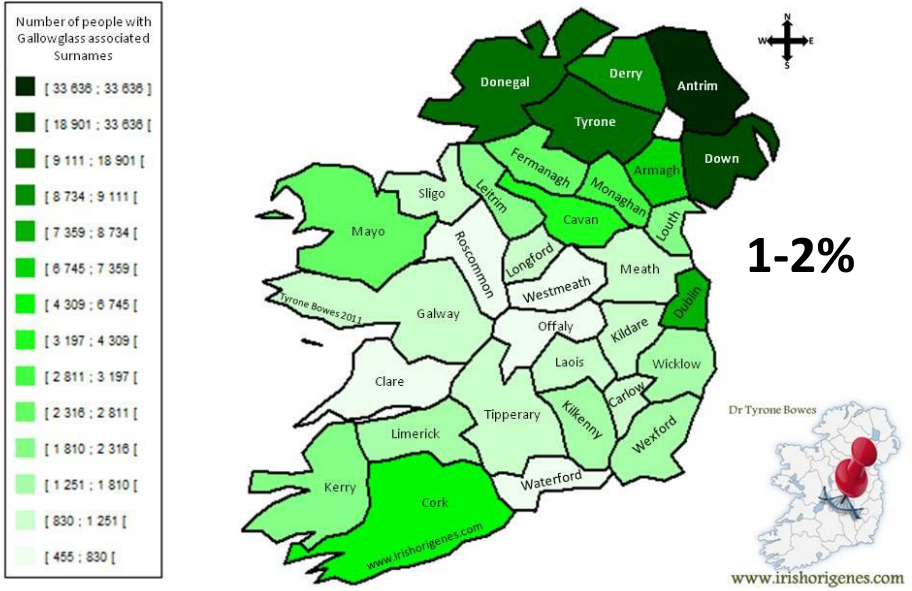


Conquest and inter-marriage



THE GALLOWGLASS

Distribution of Gallowglass Surnames throughout Ireland



1259AD

The first mercenary Scots (of Hiberno-Norse ancestry) arrived from the Highlands and Islands of Scotland

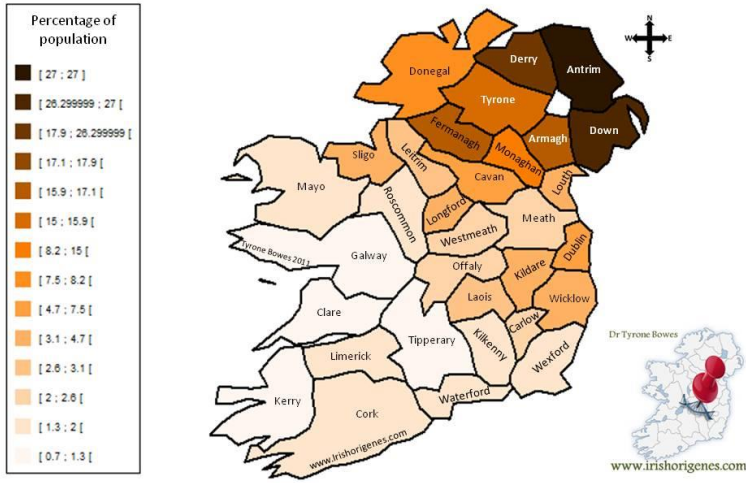
Whole Clans like the McCabe settled in Ireland.

Some Scottish Clans like the McDonalds settled permanently in Antrim in Irelands Northeast coast in order to monopolise the trade in mercenaries.

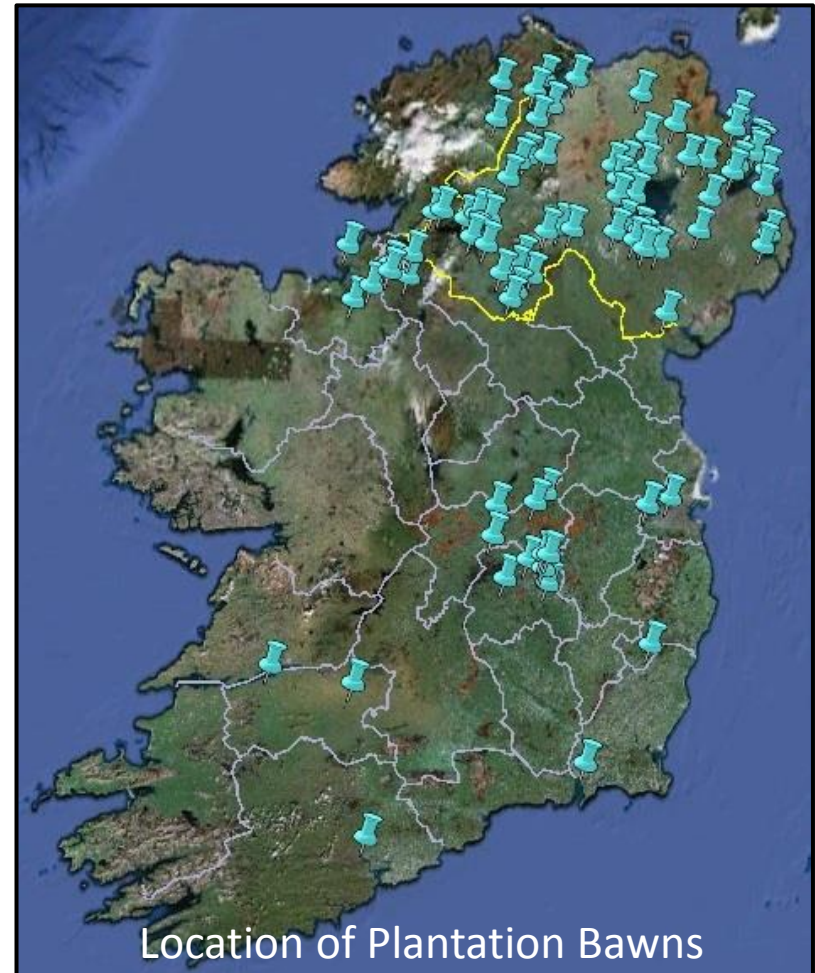
Gallowglass were employed by Irish Chiefs, Norman lords, and even the English authorities.



Distribution of people with Surnames associated with 16th and 17th Century plantations



The Ulster Scots/ Scots-Irish 1556AD-1652AD The Plantations of Ireland



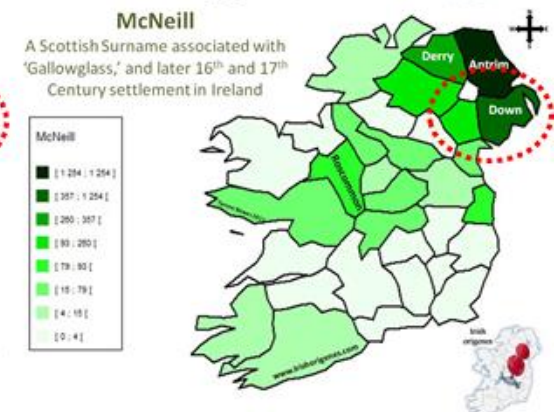
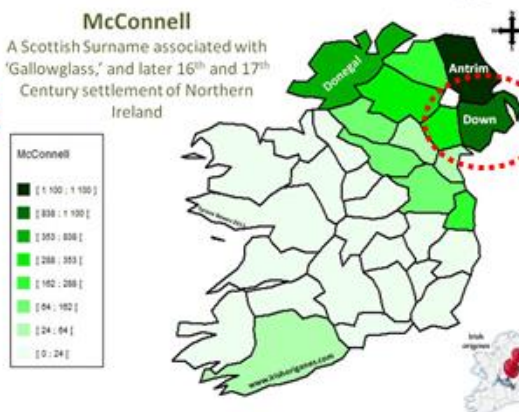
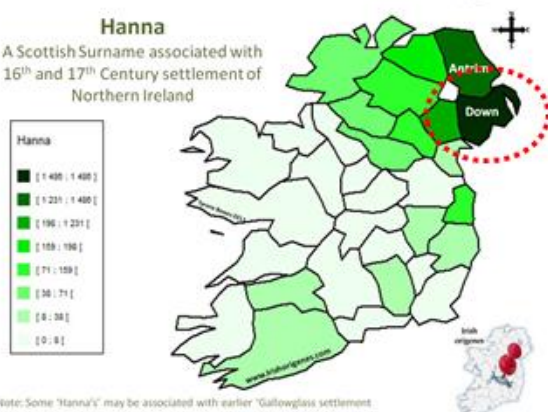
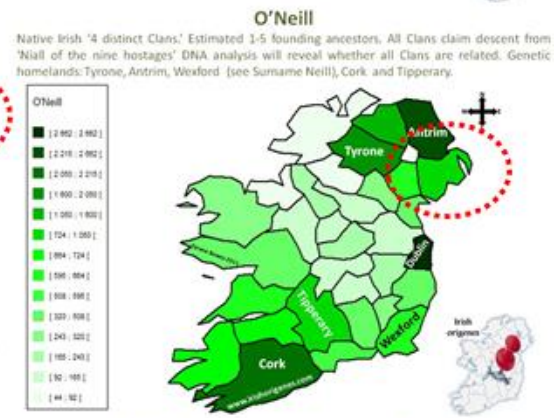
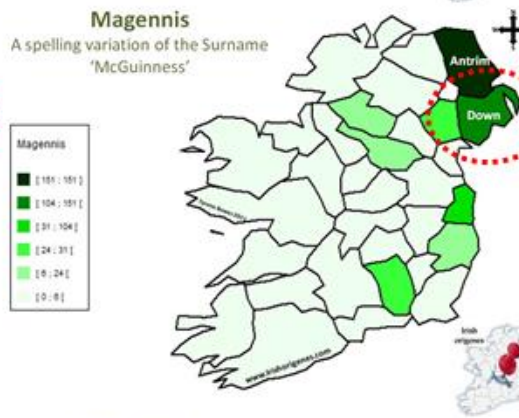
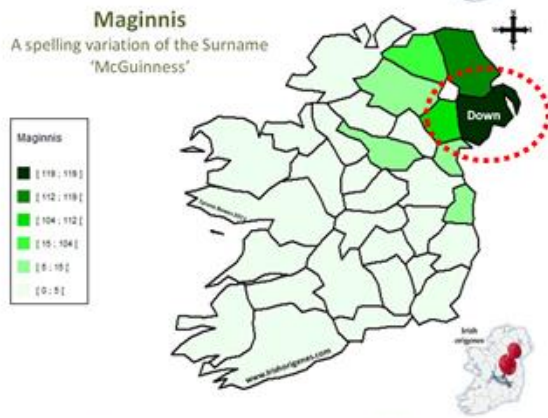
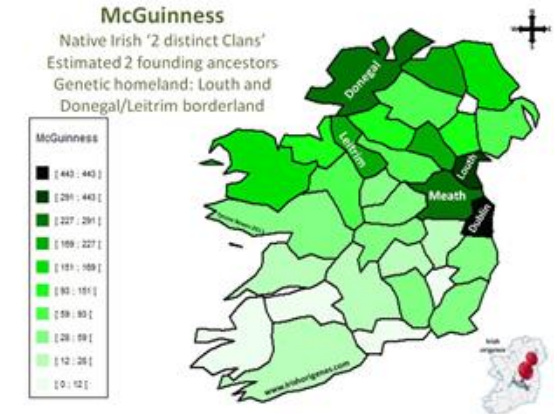
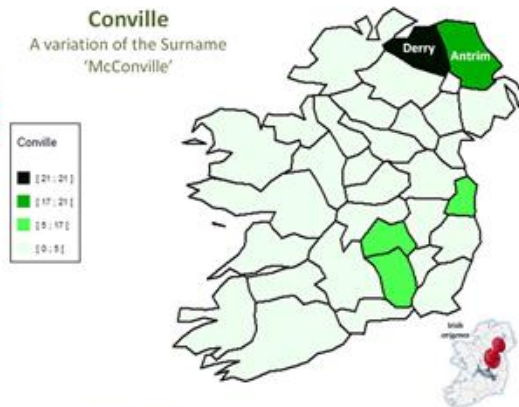
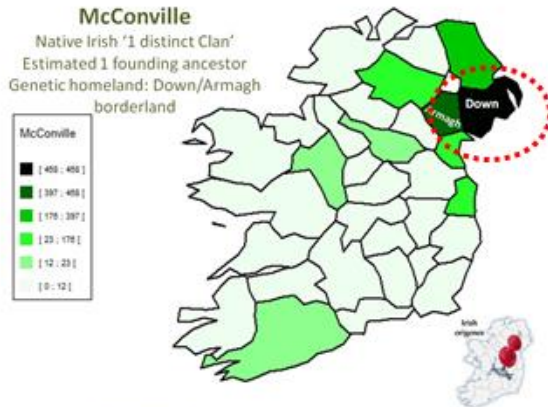
NORTHERN IRISH CASE STUDIES

Mr McConville (from the USA) Viking ancestry!

Test subject surname	Haplogroup	37 Marker Y-DNA test							
		37						25	
		exact	-1	-2	-3	-4	exact	-1	-2
McConville	I	-	Ervin(x4)/Arvin(x1) ^{1?} McGinnis(x3)/McGuinness(x1)/Meginnis(x1)	O'Neill(x2)/Neal(x1)	Durfee(x3) ¹	McNeese(x2) ¹ Hanna(x4) Carswell(x2) Dimond/Diamond(x2) Haldane(x2) McConnell(x3)	-	-	McNeill(x4) MacElvaine/McIlwain(x2)

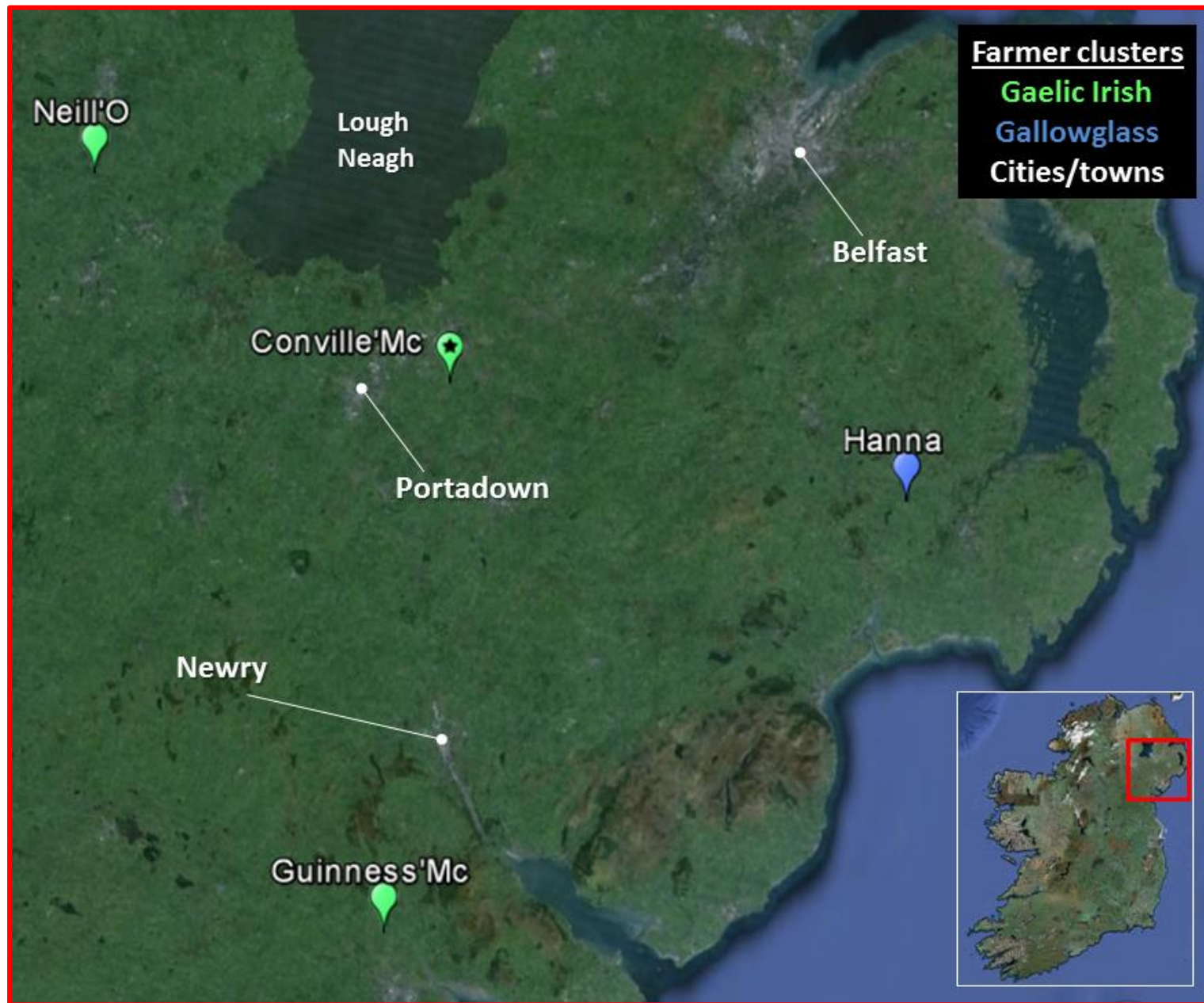
Genetically recurring surname matches as revealed by his Y-DNA test results

Surname distribution mapping reveals Mr McConville's paternal link with the northeast

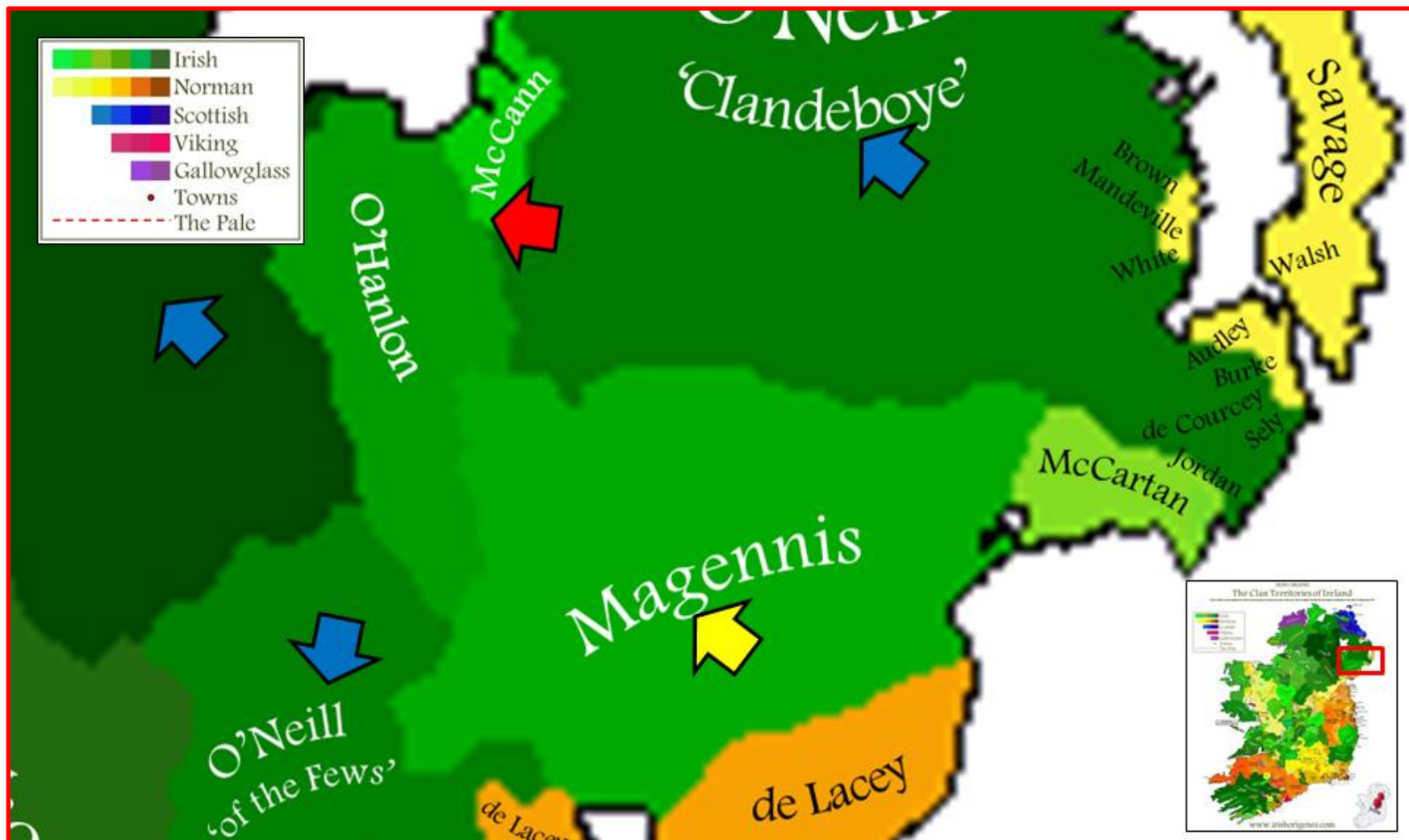


Note: Some 'Hanna's' may be associated with earlier 'Gallowglass' settlement

In 1911 the McConville farmers lived surrounded by farmers with the surnames that appear as genetic matches



The Y-DNA results typically reveal shared ancestry with one of the prominent Clans of Families that once ruled over ones genetic homeland!

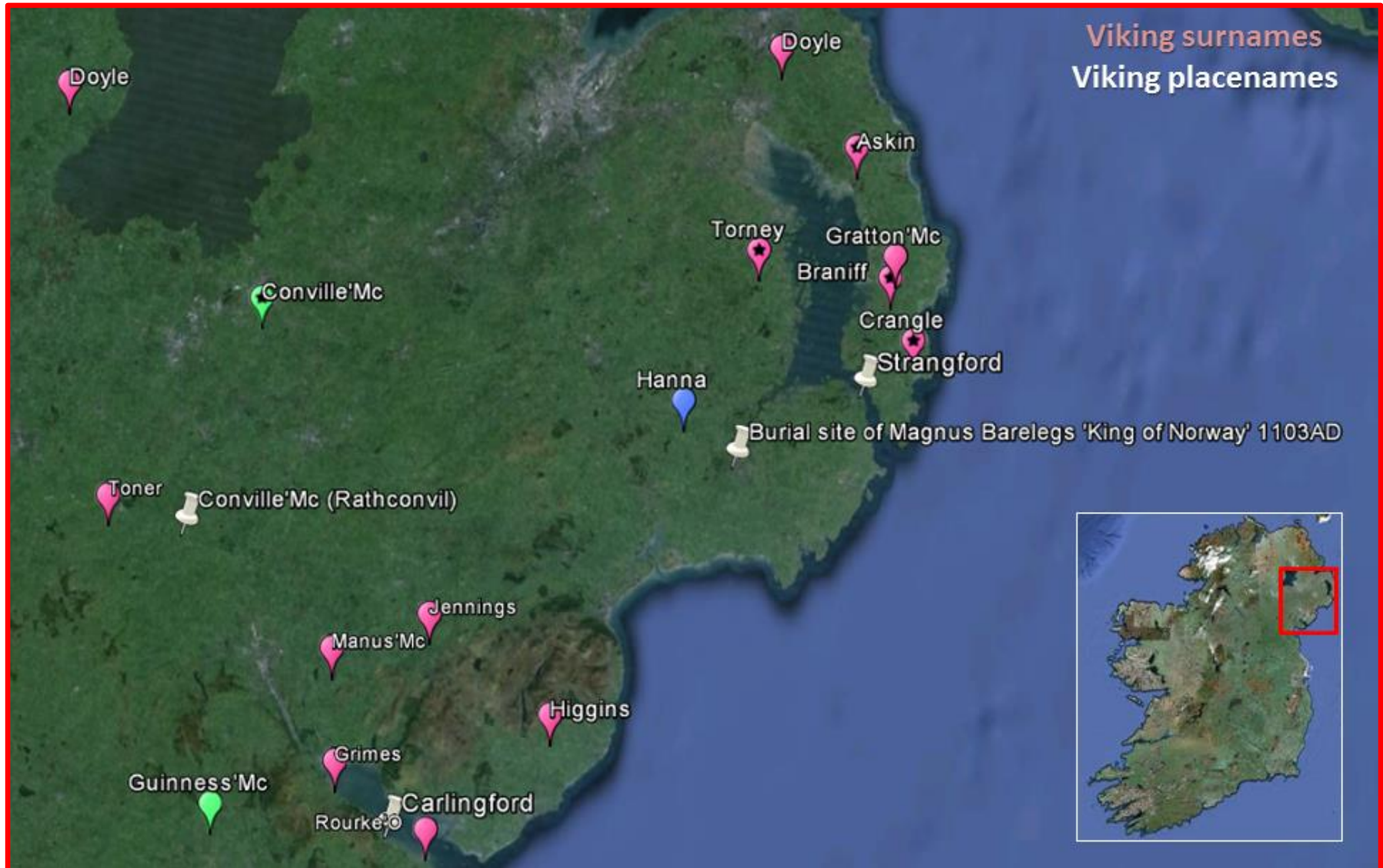


<http://www.irishorigenes.com/store/irish-clan-territories-map>



Mr McConville's Paternal Ancestral Genetic Homeland (orange broken circle) is situated to the south of Craigavon

Mr McConville's haplogroup (I), surname matches (e.g. Haldane: 'half Dane, Gallowglass/Norse Gaels: McNeill), and the location of his paternal ancestral genetic homeland are strong indications of Viking ancestry.



Mr Henry

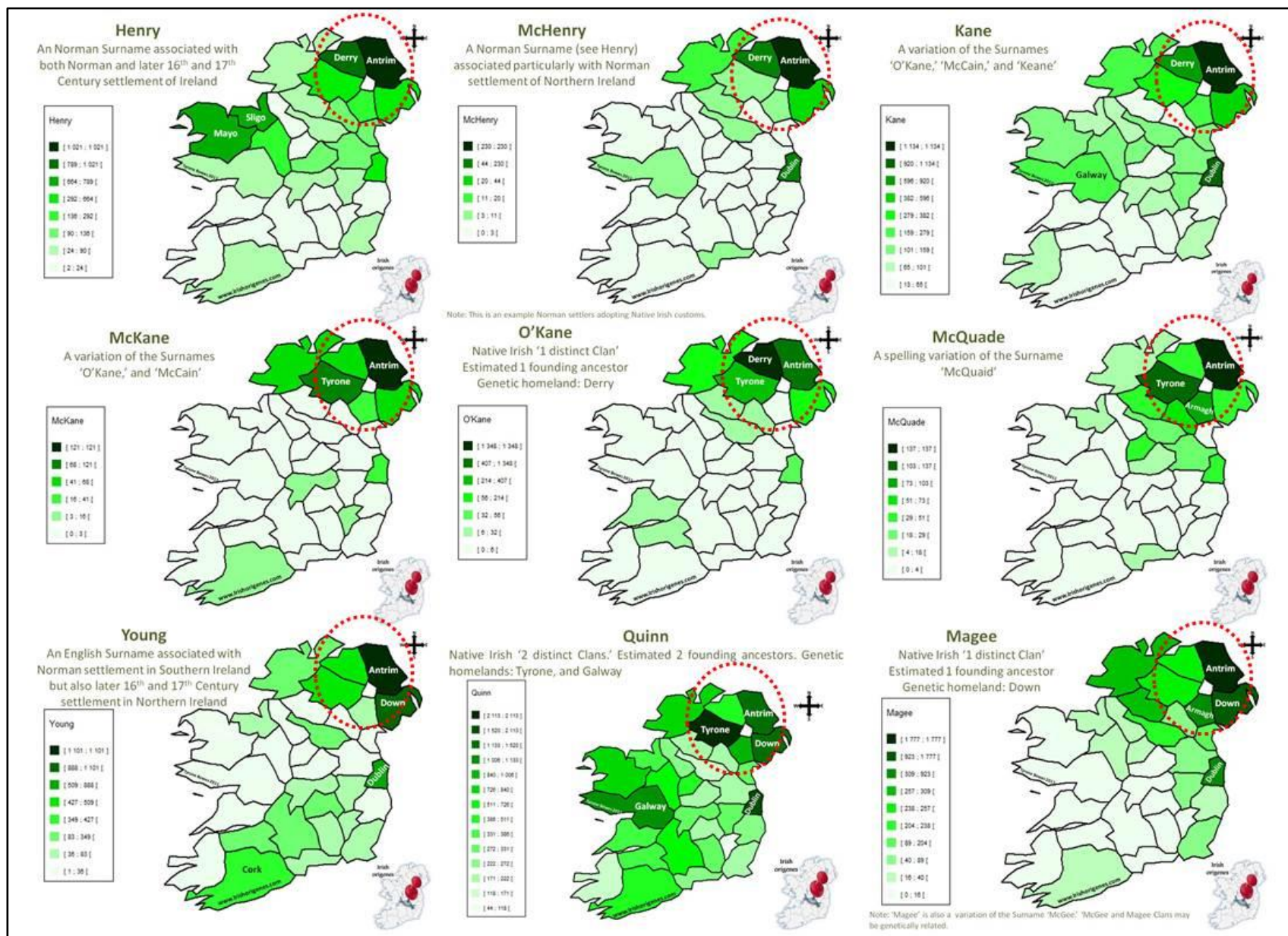
(from Canada)

Gaelic Irish ancestry

Test Subject	37marker Y-DNA matches								
	Haplogroup	37					25		
		exact	-1	-2	-3	-4	exact	-1	-2
Henry	R1b (M222)	-	-	Henry(x3)/McHenry(x5) Kane(x3)O'Kane(x3)Keane/Keene(x2) Cain(x6)McCain/McCane(x2)	-	McWade(x2)	-	Quinn(x3)	Young(x4) Burns(x2)Byrne/Byrnes(x2) Magee/McGee/McKee(x3) Redden(x3) Brown(x6) ^{1?} Murphy(x2)

Genetically recurring surname matches as revealed by his Y-DNA test results

Surname distribution mapping reveals Mr Henry's paternal ancestral link with the northeast

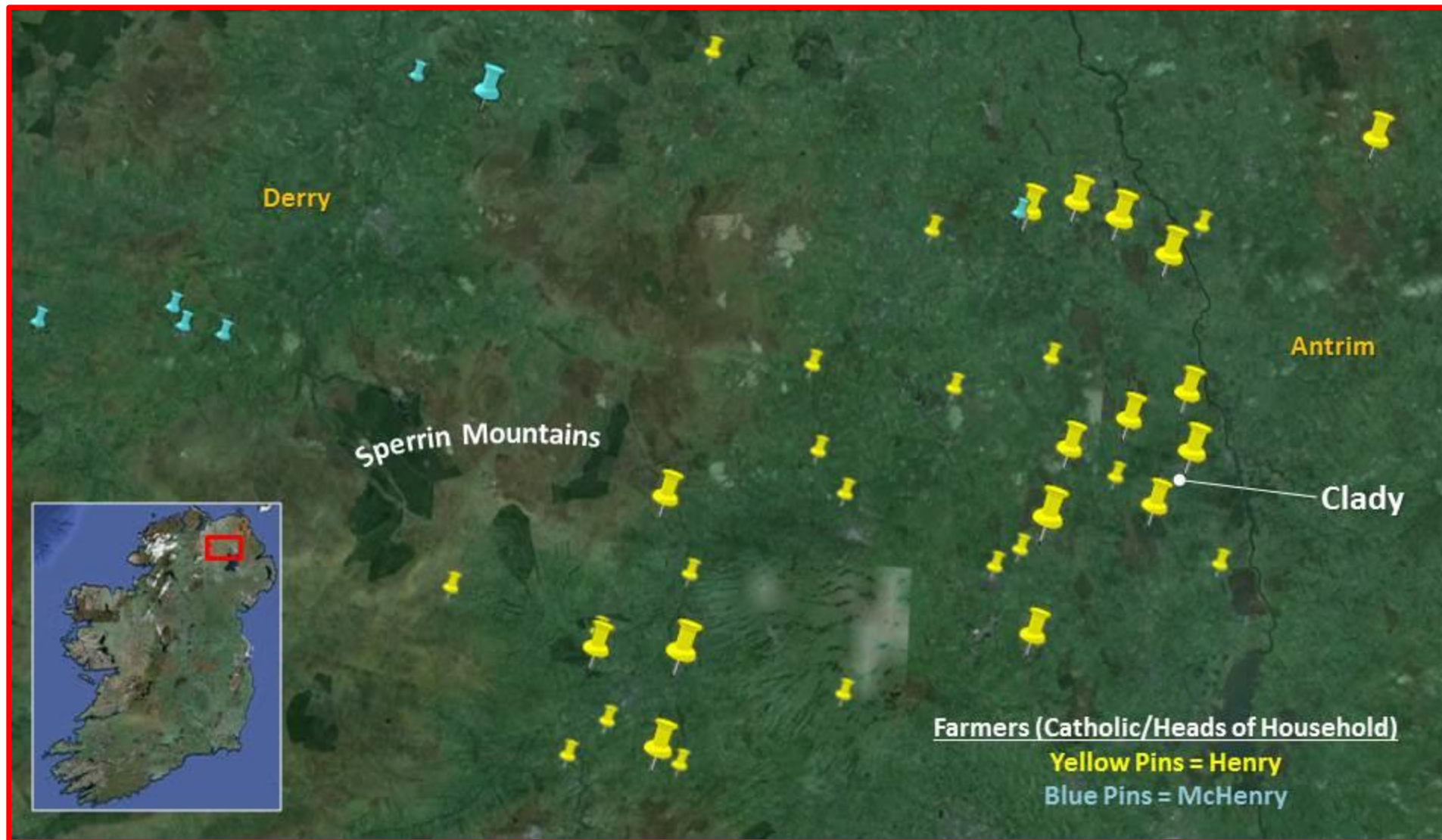


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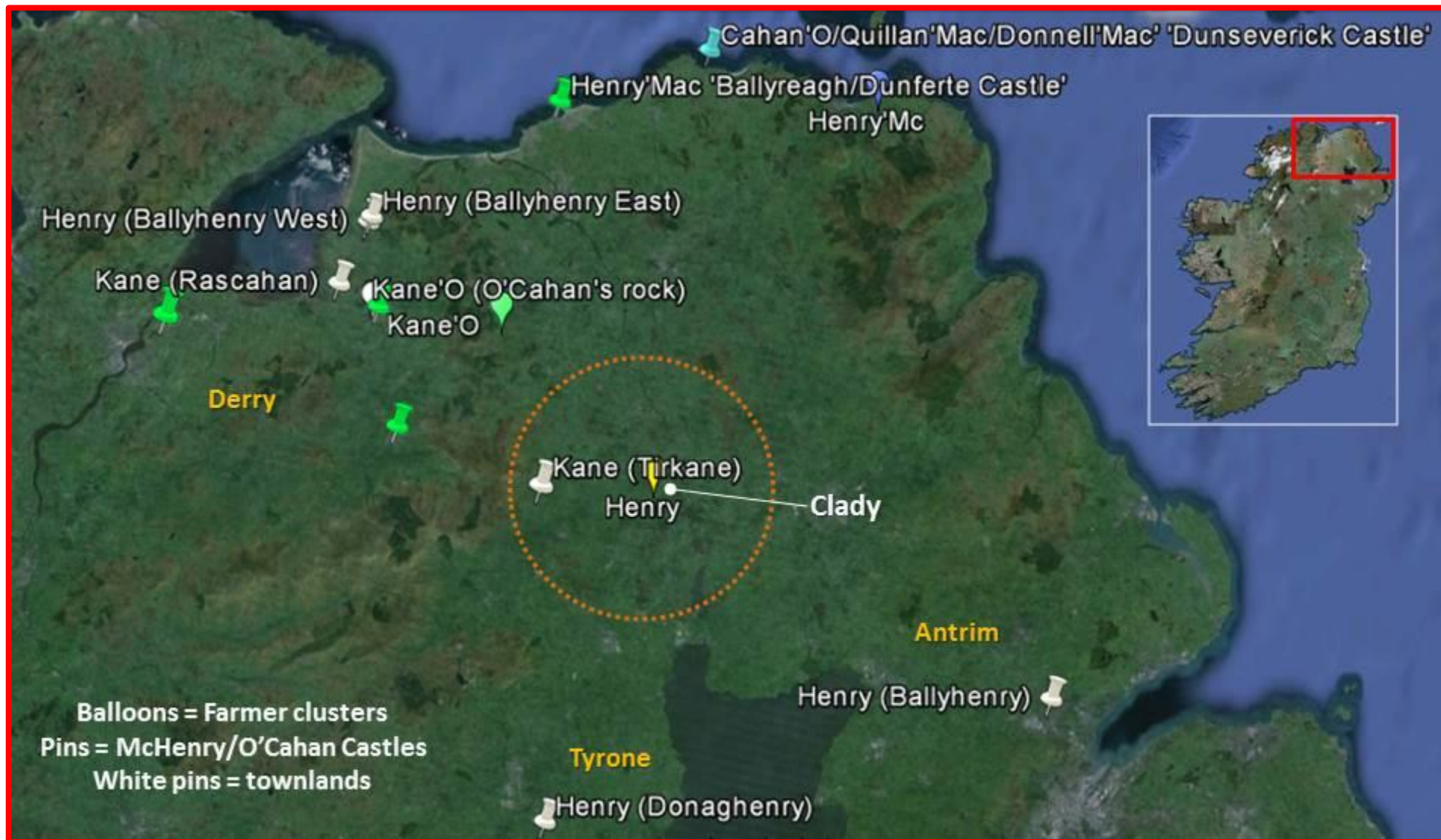


<http://www.irishorigenes.com/store/irish-clan-territories-map>

Catholic Henry and McHenry farmers cluster west of Clady town



Mr Henry's Paternal Ancestral Genetic Homeland (**orange broken circle**) lies to the west of Clady town between Lough Neagh and the Sperrin mountains

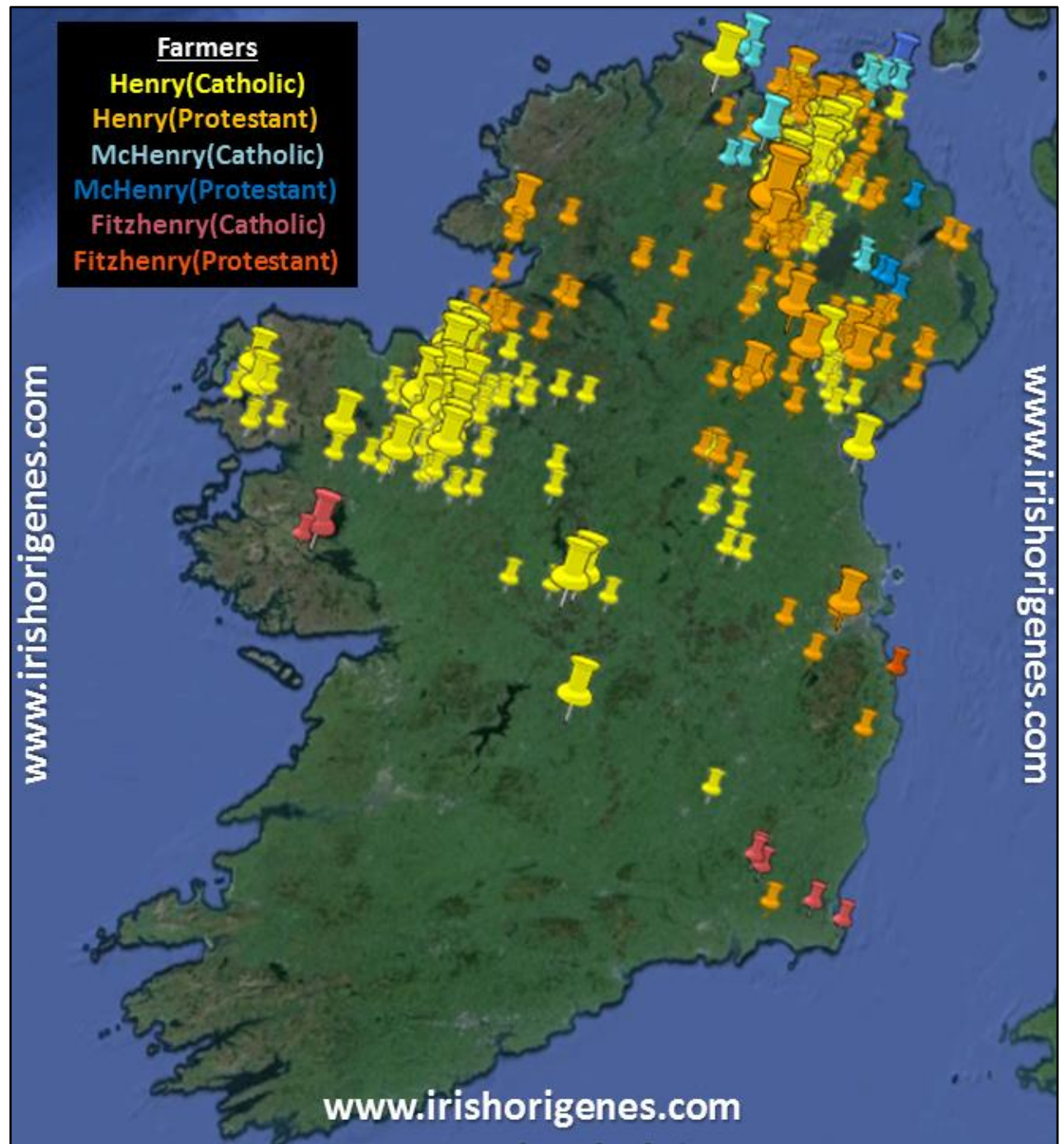


A BRIEF NOTE ON SURNAMES

- Some are remarkably stable; Kelly, Murphy, Stewart, Graham
- Some change considerably due to their Anglicisation and as one moves further from the place of origin e.g. Irish O'Boe becomes Bowe, and eventually Bowes in Dublin, Scottish McCrindle becomes McReynolds in Northern Ireland (revealed with Y-DNA analysis, Irish Roots Magazine)
- The same surname can be associated with many Clans/Families who are unrelated to one another and associated with many different locations.
- Surname distribution mapping can reveal some clues to ones ancestral origins
- **Only the Y-DNA analysis can distinguish between different Kelly, Murphy, Stewarts and Grahams.**

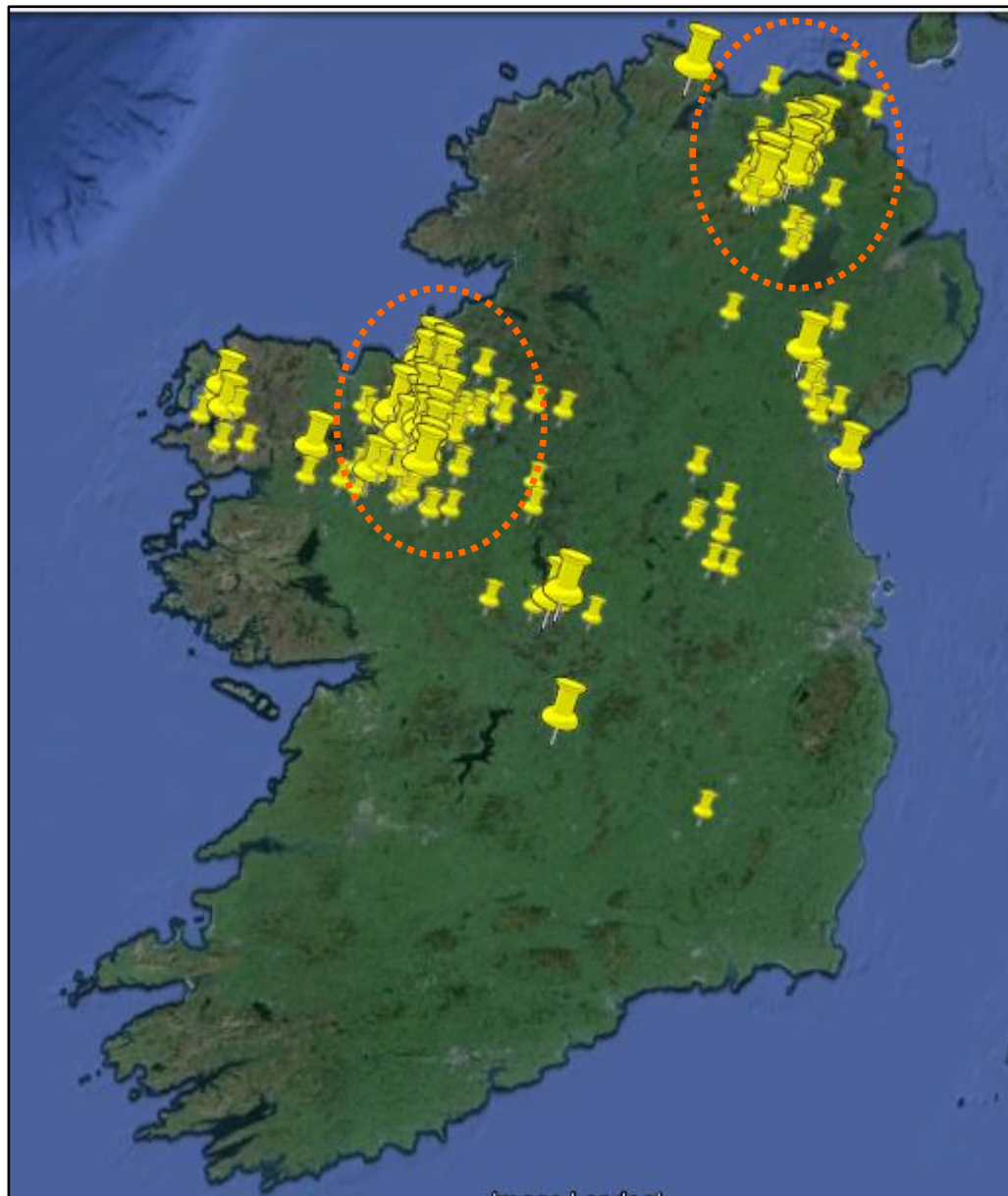


Surname distribution mapping can reveal a lot about the origin of one's ancestors

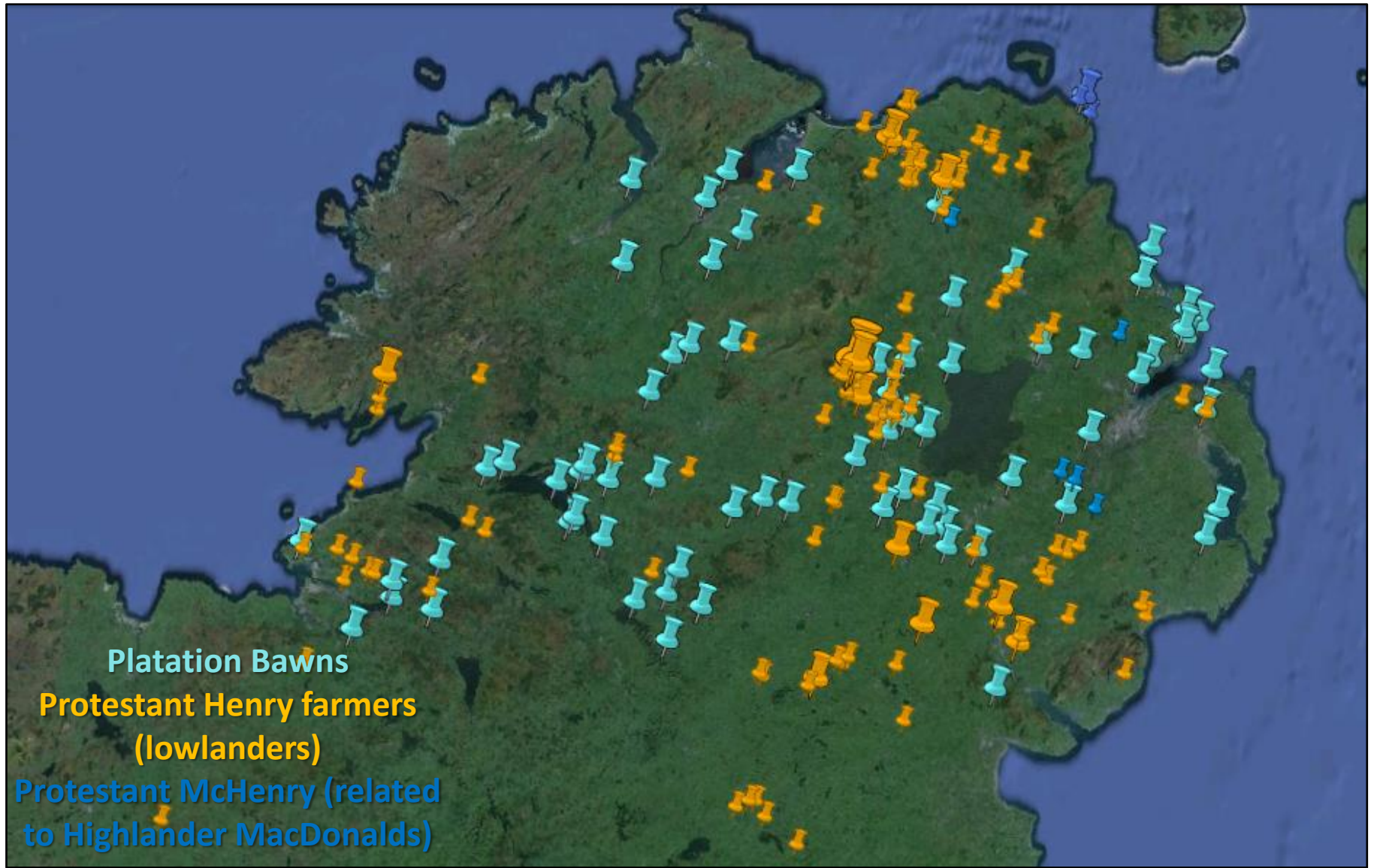


Catholic Irish Henry
Farmers

Gaelic Irish surname arise in
a location and spread from
that location



17th Century settlement is far more scattered



It is only with commercial ancestral DNA testing that we can determine ones Henry origins

Mr Norman McClelland Prominent Irish American



McClelland Irish Library, Phoenix, Arizona

Mr McClelland's Y-DNA Case Study

The DNA can reveal one's paternal ancestral journey over many thousands of years

Test subject: Mr McClelland, lives in the USA

Test subject	67 marker level							
	exact	-1	-2	-3	-4	-5	-6	-7
McClelland	-	-	McClelland(x12)	-	McKenzie/MacKenzie(x3) Carnes(x3) McGee/Magee(x11) McCamis/McCammish/McKemish(x3)/McAmis(x3) Dowdy/Dowda(x4) Smith(x10) Burns(x9) Wilson(x6)	Haslett/Hazlett(x3) McCall(x3) McNeill/MacNeill(x3) O'Brien(x3)/Bryan(x2) Lawson(x4) O'Kane/Kane(x3) Cox(x4) Riley/Reilly/O'Reilly(x8) Murphy(x8)1 McElhane(x3) Robertson(x11) Doherty/Daugherty/Dorrity(21) Clancy(x4) Adams(x4)/MacAdams(x4)/McAdam(x2) O'Donnell (x3) Cannon(x3) Manley/Munley/Munnely(x7) Patterson(x11) Byrne(x9) McDonald(x3) McLaughlin(x10)/McLachlan(x1) Strain(x8) Moore(x6)/More(x1) McWilliams/Williams(x9) Gilmore/Gilmer/Gilmour(x6) Young(x4)	Bell(x4) McSorley/MacSorley(x5) McGinnis/McInnis(x3) Fahy/Fahey(x4) Ferguson(x6) Davis(x5) Campbell(x15) Donohoe/Donahue(x5) McHarg/McHarg/Meharg(x6) Rafferty/O'Rafferty(x3) Maddox/Maddux/Maddax(x3) McPherson/MacPherson/Forson(x3) Lee(x6) Quinn(x5) Lane(x9) McAnally(x6) McAuley/McCauley(x5)/Hawley(x1) Cowan(x16) Bradley(x3) Corrigan(x4) Cain/McCain/McCane/Kane(x8) Kennedy(x8) Brune(x1)/Brown(x4) Towey(x3) Duffy/Duffee/Duffey(x3) Hughes(x5)	Douglas(x4) McMullen(x1) /Mullen(x3)/Mullin(x1) Riney(x2)/Raney(x2)/Raine(y)(x1) Darcy(x3)/Dorsey(x8) Glenn(x3)/Glynn(x1) McMurray/Murray (x7) McDowell(x4)/Dowell(x4) Fannin/Fanning(x4) Ward(x3) Glass(x3) Kelly/Kelley(x7) Milligan(x5)/Milliken(x2)/Mullican(x2)/Mullikin(x2) Manion/Manning/Manion(x4) McAlister/MacAlister(x4)/McCollister(x1) McGrory/McCrory(x5) Boyle/Boyles(x3) Jones(x3) Reynolds(x3) McKee(x7) Martin(x4) Phillips(x4) McKinney/MacKinney(x3) McClory(x1)/McClure(x3) Lynn(x3) Gray(x8) Hayes/Hays(x3)

TIMELINE 2000-1800AD 1800-1600 1600-1400 1400-1200 1200-1000 1000-800 800-600 600-400AD

HISTORICAL EVENTS McClelland's first recorded in 1217AD Conquest of Galloway by Norse-Gaels Inherited paternal surnames appear in Ireland



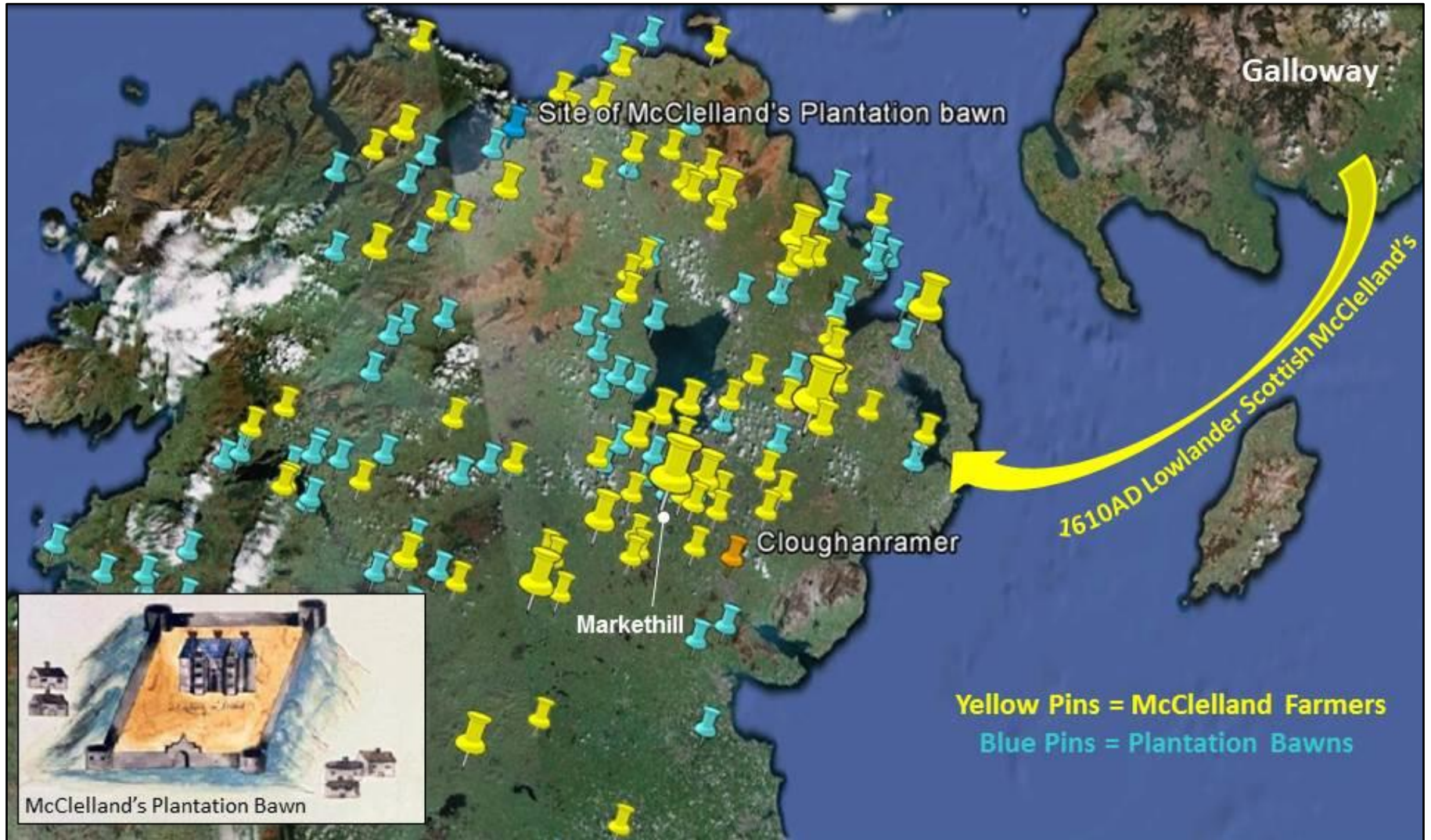
Time to shared ancestry



Scottish Surnames predominate

Irish Surnames predominate

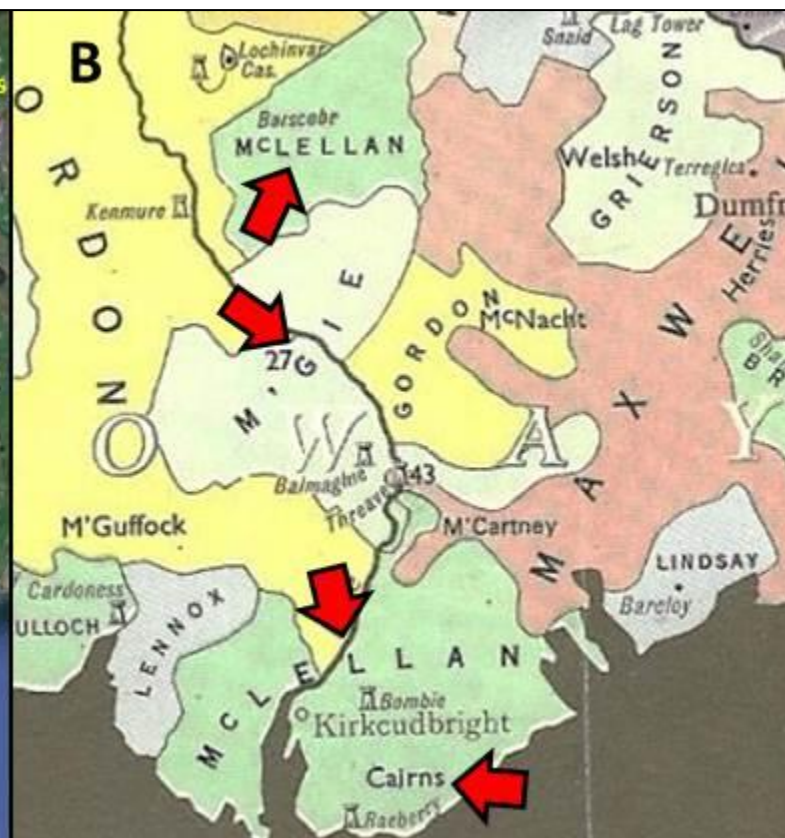
Mr McClelland's Scots-Irish ancestry



Around 1610AD Mr McClelland's ancestors arrived in Ireland from Scotland

The McClelland surname first appeared in Galloway in Scotland

Test subject	67 marker level				
	exact	-1	-2	-3	-4
McClelland	-	-	McClelland(x12)	-	McKenzie/MacKenzie(x3) Carnes(x3) McGee/Magee(x11) McCamis/McCammish/McKemish(x3)/McAmis(x3) Dowdy/Dowda(x4) Smith(x10) Burns(x9) Wilson(x6)
TIME / YEARS	0-200	200-400	400-600	600-800	800-1000



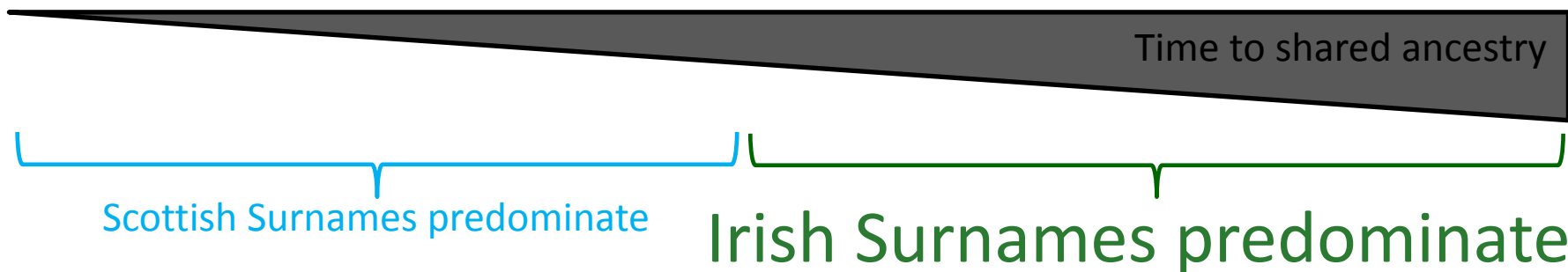
Mr McClelland's Scottish surname matches originate in Galloway (land of the foreign Gael)
 McClelland first mentioned 1217

Mr McClelland's Y-DNA results

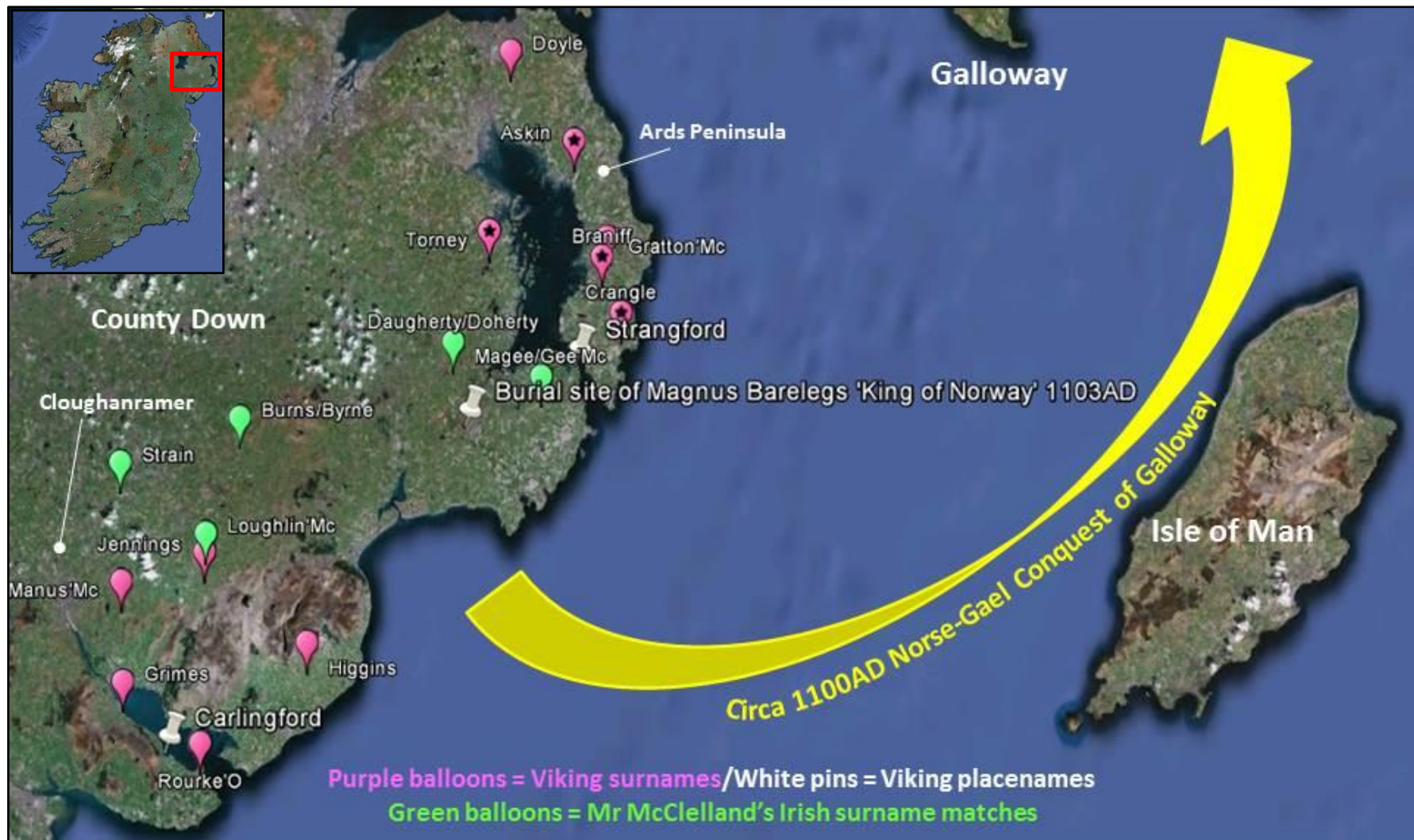
Test subject	67 marker level							
	exact	-1	-2	-3	-4	-5	-6	-7
McClelland	-	-	McClelland(x12)	-	McCamis/McCammish/McKemish(x3)/McAmis(x3) McKenzie/MacKenzie(x3) Carnes(x3) McGee/Magee(x11) Dowdy/Dowda(x4) Smith(x10) Burns(x9) Wilson(x6)	Haslett/Hazlett(x3) McCall(x3) McNeil/MacNeill(x3) O'Brien(x3)/Bryan(x2) Lawson(x4) O'Kane/Kane(x3) Cox(x4) Riley/Reilly/O'Reilly(x8) Murphy(x8)1 McElhane(x3) Robertson(x11) Doherty/Daugherty/Dorrrity(21) Clancy(x4) Adams(x4)/MacAdams(x4)/McAdam(x2) O'Donnell (x3) Cannon(x3) Manley/Munley/Munnely(x7) Patterson(x11) Byrne(x9) McDonald(x3) McLaughlin(x10)/McLachlan(x1) Strain(x8) Moore(x6)/More(x1) McWilliams/Williams(x9) Gilmore/Gilmer/Gilmour(x6) Young(x4)	Bell(x4) McSorley/MacSorley(x5) McGinnis/McInnis(x3) Fahy/Fahey(x4) Ferguson(x6) Davis(x5) Campbell(x15) Donohoe/Donahue(x5) McHarg/McHarg/Meharg(x6) Rafferty/O'Rafferty(x3) Maddox/Maddux/Maddax(x3) McPherson/MacPherson/Forsen(x3) Lee(x6) Quinn(x5) Lane(x9) McAnally(x6) McAuley/McCauley(x5)/Hawley(x1) Cowan(x16) Bradley(x3) Corrigan(x4) Cain/McCain/McCane/Kane(x8) Kennedy(x8) Brune(x1)/Brown(x4) Towey(x3) Duffy/Duffee/Duffey(x3) Hughes(x5)	Douglas(x4) McMullen(x1) /Mullen(x3)/Mullin(x1) Riney(x2)/Raney(x2)/Raney(x1) Darcy(x3)/Dorsey(x8) Glenn(x3)/Glynn(x1) McMurray/Murray (x7) McDowell(x4)/Dowell(x4) Fannin/Fanning(x4) Ward(x3) Glass(x3) Kelly/Kelley(x7) Milligan(x5)/Milliken(x2)/Mullican(x2)/Mullikin(x2) Manion/Manning/Manion(x4) McAlister/MacAlister(x4)/McCollister(x1) McGrory/McCrory(x5) Boyle/Boyles(x3) Jones(x3) Reynolds(x3) McKee(x7) Martin(x4) Phillips(x4) McKinney/MacKinney(x3) McClory(x1)/McClure(x3) Lynn(x3) Gray(x8) Hayes/Hays(x3)

TIMELINE 2000-1800AD 1800-1600 1600-1400 1400-1200 1200-1000 1000-800 800-600 600-400AD

HISTORICAL EVENTS
 McClelland's first recorded in 1217AD
 Conquest of Galloway by Norse-Gaels
 Inherited paternal surnames appear in Ireland



Galloway was conquered by a mix of Vikings and Irish (led by Magnus Barelegs King of Norway) in about 1100AD



Mr McClelland's Irish surname matches as revealed by the DNA test results places his ancestors in County Down in about 1100AD

The McClelland carries the M222 genetic marker which originates in the far northwest Ireland where his Irish surname matches cluster



Mr McClelland's ancestor left northwest Ireland in about 1000AD

Mr McClelland's Paternal Ancestral Genetic Homeland

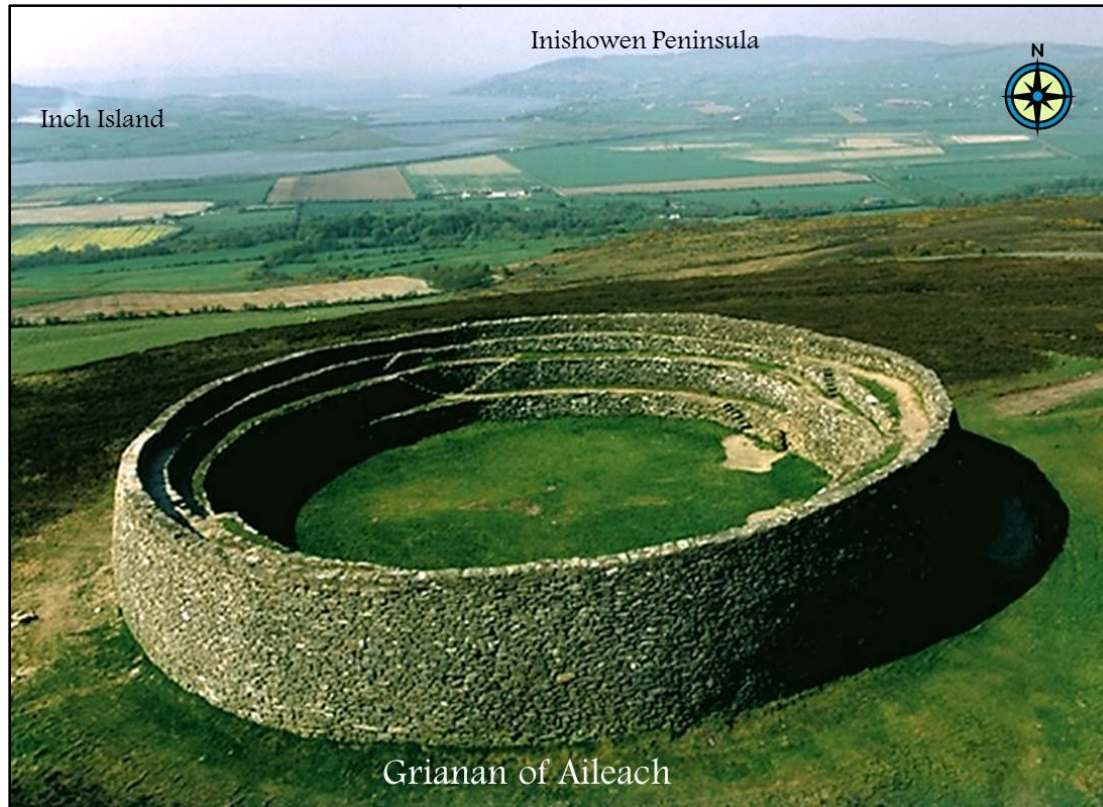
Until about 1000AD Mr McClelland's paternal ancestors were living near the Inishowen peninsula



Mr McClelland's Irish surname matches cluster close to Aileach

Mr McClelland's paternal ancestral journey

The M222 DNA mutation appeared in a male living close to Aileach between 8000 and 2000 years ago.



<u>DATE</u>	<u>Location</u>	<u>Evidence</u>
6,000BC-1000AD	Aileach, Inishowen, County Donegal, Ireland	DNA
1000AD-1100AD	County Down, Ireland	DNA
1100AD-1610AD	Galloway, Scotland	DNA
1610-1800s	County Down, Ireland	genealogy
1800s-	USA	genealogy

Irish Origenes website (www.irishorigenes.com) contains the resources you need to Pinpoint an Irish origin



Irish Origenes

use your DNA to rediscover your Irish heritage

ARE YOU TRYING TO MAKE SENSE OF YOUR Y-DNA TEST RESULTS? THEN **CLICK HERE** TO VIEW CASE STUDIES OR TO ORDER YOUR OWN CASE STUDY AND PINPOINT YOUR GENETIC HOMELAND

Surnames of Ireland Map
Click here to preview or purchase

Castles of Ireland Map
Click here to preview or purchase

Clan Territories of Ireland Map
Click here to preview or purchase

STEP 1: Order a DNA test

- Click on this link at the Irish Origenes website
- Order 37 marker Y-chromosome DNA test

Are you a Warrior?

Recent studies have linked the Warrior Gene to increased risk-taking and aggressive behavior in men.

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Surnames - The Science

Approximately 66% of the present population of the Island of Ireland are descendants of 'Native Irish Gaels' who...

USEFUL LINKS

- › The National Archives of Ireland useful resources webpage
- › Planning a visit to Northern Ireland then explore Discover Northern Ireland 2012

HOME

USE YOUR DNA TO REDISCOVER YOUR IRISH HERITAGE

A commercial 37 marker Y chromosome DNA test will potentially provide one with the names of many hundreds of individuals with whom one shares a common male ancestor, but what often perplexes people is how one can match many individuals with different surnames? The answer is quite simple. Roughly 1,200 years ago one's direct medieval male ancestor, the first for example to call himself 'Bowe' was living in close proximity to others with whom he was



There may be FREE DNA test kits available



Search Your Last Name

Equals



Welcome To Family Tree DNA

90% of genealogists choose Family Tree DNA – with the largest DNA database. As of November 9, 2012, we have a total of 398,107 records! [more statistics...](#)

Y-DNA Testing

Starting at
\$169

One time payment - no subscription fee

Verify if you share a Surname or a Paternal Line

[Learn More](#)

Family Finder Testing

Starting at
\$289

One time payment - no subscription fee

Find relatives across all Lines, both male & female

[Learn More](#)

mtDNA Testing

Starting at
\$159

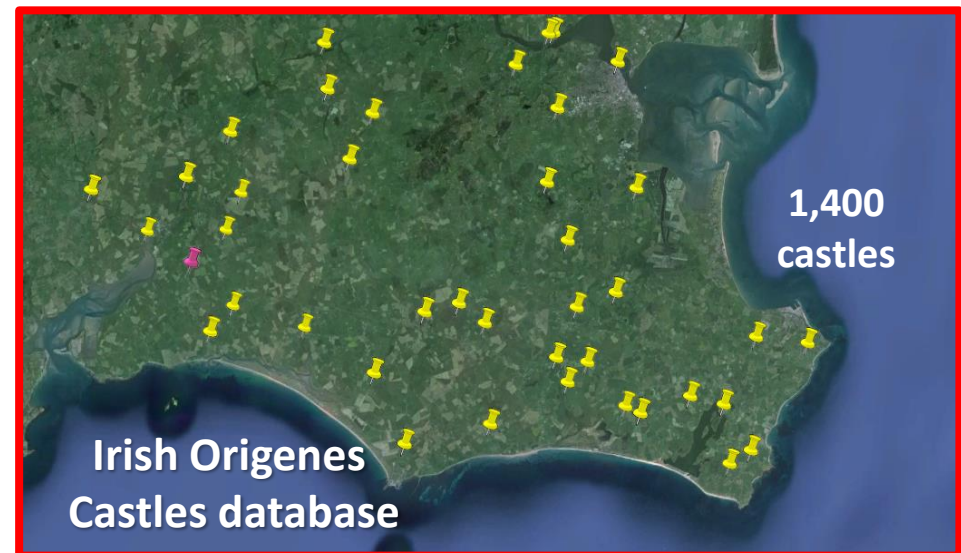
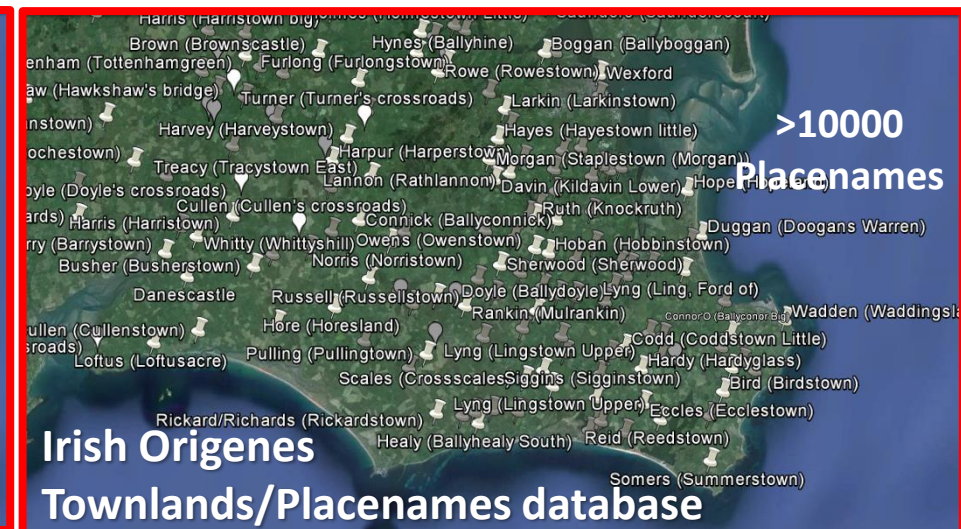
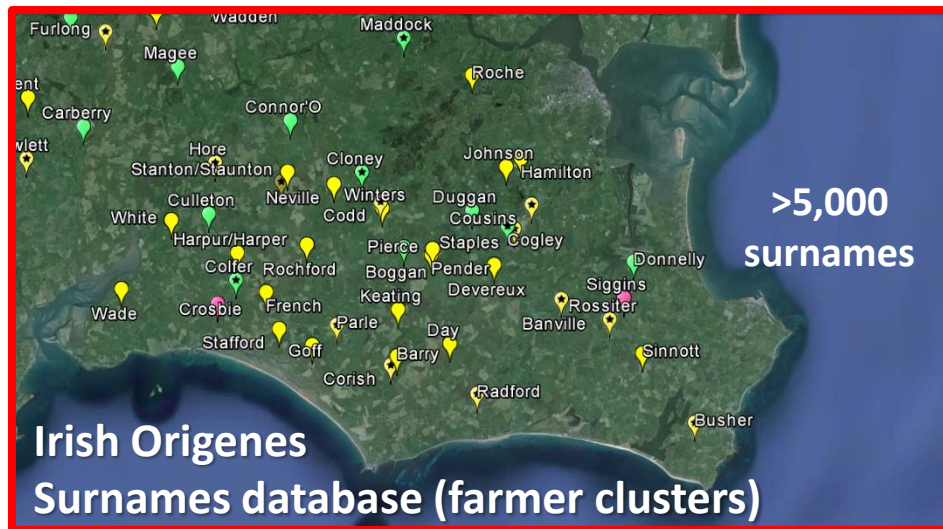
One time payment - no subscription fee

Verify if you share a Maternal Line

[Learn More](#)



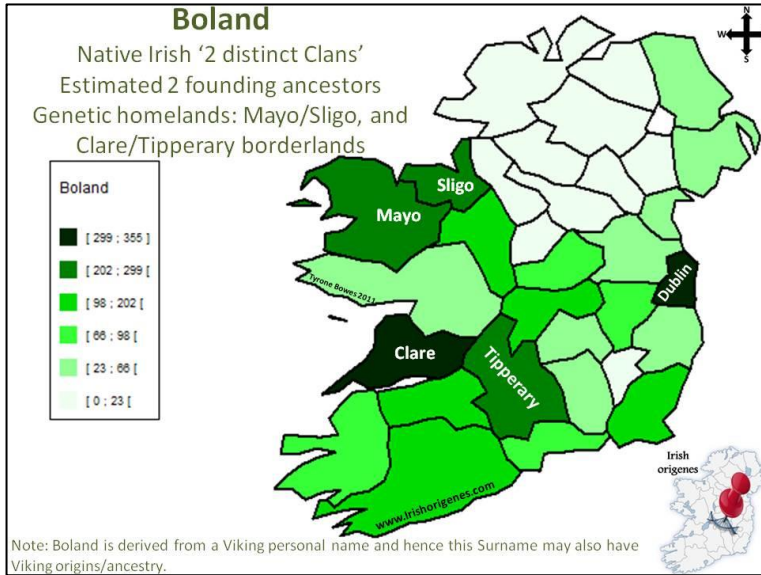
Irish Origenes databases



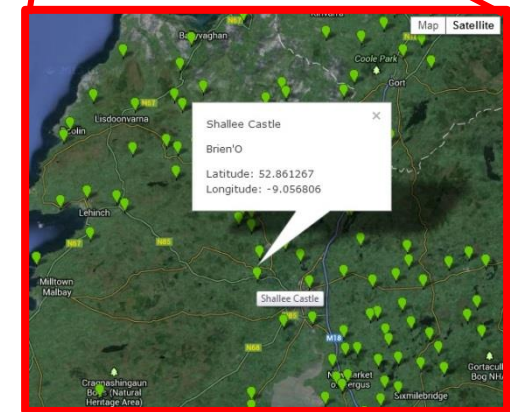
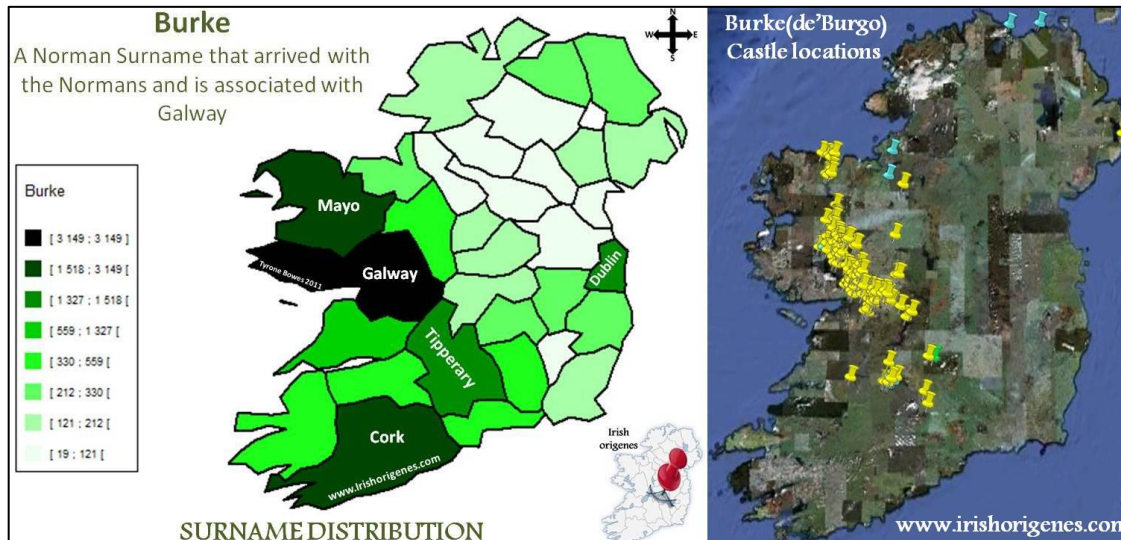
These databases allow me to pinpoint an origin for my customers using the results of a commercial ancestral Y-DNA test



Irish Origenes Open Access Databases (www.irishorigenes.com)



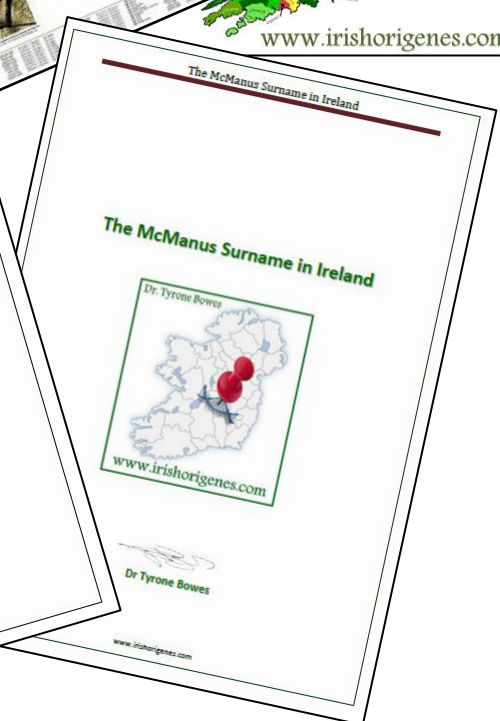
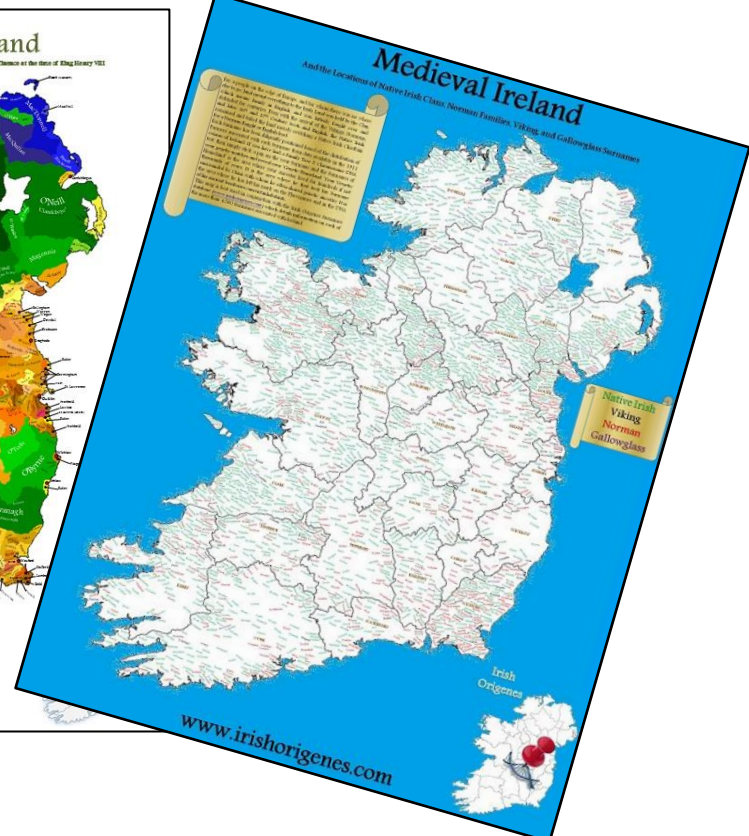
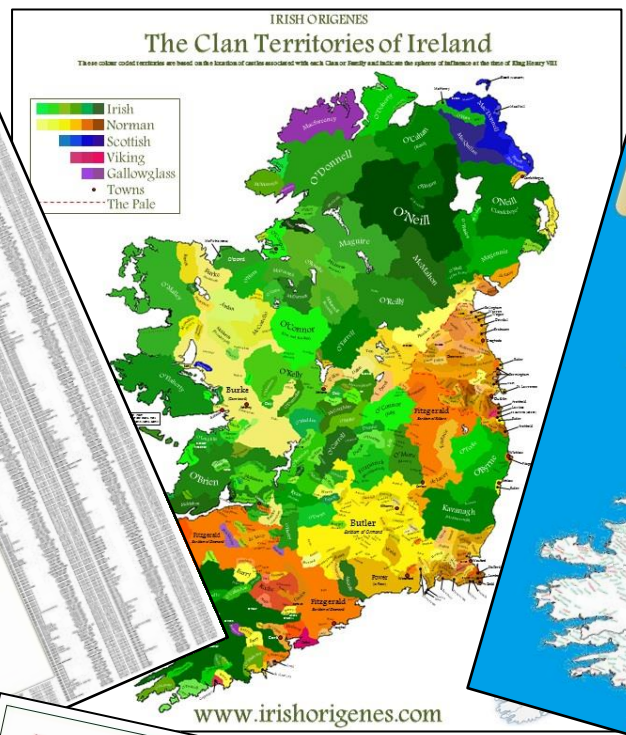
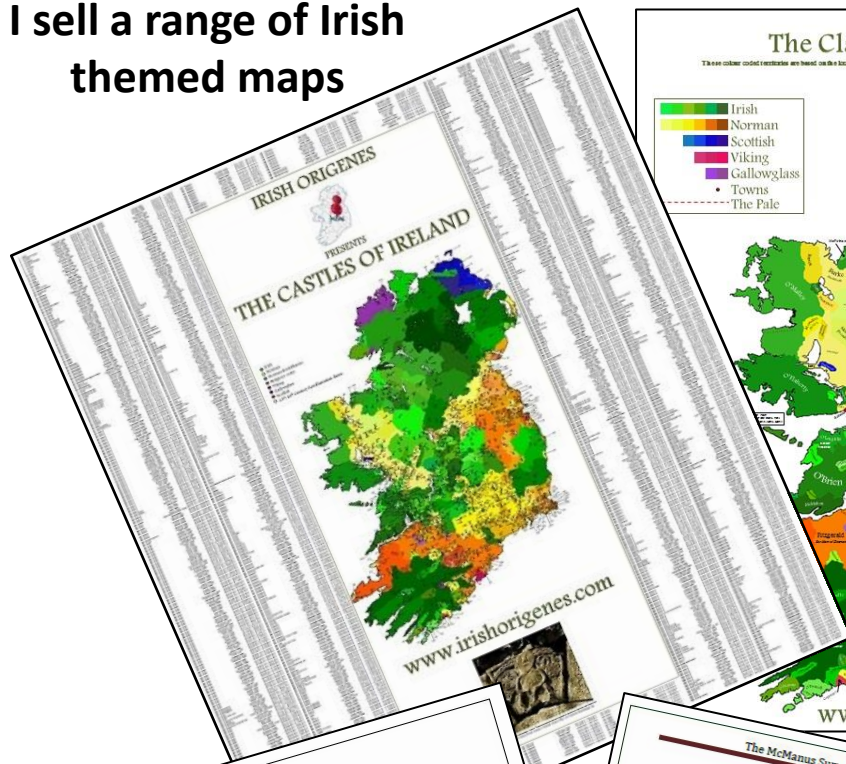
Surnames database: 5,000 surname distribution maps



Interactive Castles of Ireland Map

Clans and Castles database: 400 maps

I sell a range of Irish themed maps



Since June 2012 I have been doing Irish, Scottish, and English personalised Y-DNA Case Study Reports
In addition; Surname reports, Ancestral DNA consultations, Writing articles for various magazines and websites, and I give talks on Pinpointing an ancestral origin

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A MEDIEVAL ETHNICITY MAP OF SCOTLAND

The Genetic Diversity of the

STEP 1: Order a DNA test



- Click on this link at the Scottish Origenes website
- Order a 37 marker Chromosome DN



Are you a

CASE STUDIES
50% Irish Case Studies
45% Scottish Case Studies
5% English Case Studies

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ENGLISH ORIGENES

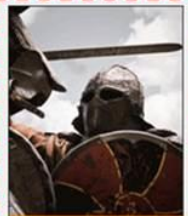
use your DNA to rediscover your English heritage



HOW TO PINPOINT YOUR English GENETIC HOMELAND IN 6 SIMPLE STEPS



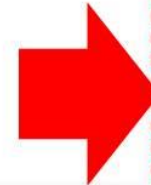
Dr Tyrone Bowes



Are you a Warrior?

Recent studies have linked the Warrior Gene to increased risk-taking and aggressive behavior in men.

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Pinpointing the CALDWELL Genetic Homeland

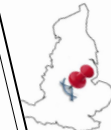
A Scottish Case Study
www.scottishorigenes.com



Dr Tyrone Bowes
31st July 2013

Case Study Pinpointing the FOSTER Genetic Homeland

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Where will your DNA take you?



Thank you for your time
Any questions?

Dr Tyrone Bowes
tyronebowes@gmail.com