4. COW MILK MAPS – TOP 33% POSTERIOR PROBABILITIES

Regions highlighted in blue represent the top 33% of areas predicted as potential regions-of-origin using bioavailable $^{87}Sr/^{86}Sr$ where values "1" = Likely Origin and "2" = Unlikely Origin. The box in top left shows the area surrounding the cow milk sample's actual place-of-origin marked by yellow circle. The hillshade layer was created using a GNS DEM 8m shapefile.

Top 33% Posterior Probability

Cow 5

Value

1 - Likely

0 - Not Likely

Chatham Islands

N

0   75   150   300   450 Km

Top 33% Posterior Probability

Cow 6

Value

1

0

Chatham Islands

N

0   75   150   300   450 Km

Top 33% Posterior Probability

Cow 7

Value

1

0

Chatham Islands

N

0   75   150   300   450 Km

Top 33% Posterior Probability

Cow 8

Value

1

0

Chatham Islands

N

0   75   150   300   450 Km

Top 33% Posterior Probability

Cow 9

Value
1
0

Top 33% Posterior Probability

Cow 10

Value
1
0

Chatham Islands

Top 33% Posterior Probability

Cow 11

Value
1
0

Top 33% Posterior Probability

Cow 12

Value
1
0

Chatham Islands

Top 33% Posterior Probability

Cow 13

Value

1

0

Km
0 5 10

Esri, NASA, NGA, USGS.

Chatham Islands

0 10 20
Km

Esri, CGIAR

N

0 75 150 300 450
Km

Esri

Top 33% Posterior Probability

Cow 14

Value

1

0

Km
0 5 10

Esri, NASA, NGA, USGS.

Chatham Islands

0 10 20
Km

Esri, CGIAR

N

0 75 150 300 450
Km

Esri

Top 33% Posterior Probability

Cow 15

Value

1

0

Km
0 5 10

Esri, CGIAR

Chatham Islands

0 10 20
Km

Esri, CGIAR

N

0 75 150 300 450
Km

Esri

Top 33% Posterior Probability

Cow 16

Value

1

0

Km
0 5 10

Esri, CGIAR

Chatham Islands

0 10 20
Km

Esri, CGIAR

N

0 75 150 300 450
Km

Esri

Top 33% Posterior Probability
Cow 17
Value
1
0

Km
0 5 10
Esri, CGIAR

N
0 75 150 300 450 Km
Esri, CGIAR

0 10 20 Km
Chatham Islands
Esri, CGIAR

Top 33% Posterior Probability
Cow 18
Value
1
0

Km
0 5 10
Esri, CGIAR

N
0 75 150 300 450 Km
Esri, CGIAR

0 10 20 Km
Chatham Islands
Esri, CGIAR

Top 33% Posterior Probability
Cow 19
Value
1
0

Km
0 2 4
Esri, NASA, NGA, USGS

N
0 75 150 300 450 Km
Esri, CGIAR

0 10 20 Km
Chatham Islands
Esri, CGIAR

Top 33% Posterior Probability
Cow 20
Value
1 - Likely
0 - Not Likely

Km
0 2 4
Esri, NASA, NGA, USGS

N
0 75 150 300 450 Km
Esri, CGIAR

0 10 20 Km
Chatham Islands
Esri, CGIAR

Top 33% Posterior Probability

Cow 21

Value

1

0

Top 33% Posterior Probability

Cow 22

Value

1

0

Chatham Islands

Chatham Islands

Top 33% Posterior Probability

Cow 23

Value

1

0

Top 33% Posterior Probability

Cow 24

Value

1

0

Chatham Islands

Chatham Islands

Top 33% Posterior Probability

Cow 25

Value
1
0

Esri, CGIAR

Km
0 10 20

Chatham Islands
0 10 20 Km
Esri, CGIAR

N
0 75 150 300 450 Km

Top 33% Posterior Probability

Cow 26

Value
1
0

Esri, CGIAR

Km
0 5 10

Chatham Islands
0 10 20 Km
Esri, CGIAR

N
0 75 150 300 450 Km

Top 33% Posterior Probability

Cow 27

Value
1
0

Esri, CGIAR

Km
0 5 10

Chatham Islands
0 10 20 Km
Esri, CGIAR

N
0 75 150 300 450 Km

Top 33% Posterior Probability

Cow 28

Value
1
0

Esri, CGIAR

Km
0 5 10

Chatham Islands
0 10 20 Km
Esri, CGIAR

N
0 75 150 300 450 Km

Top 33% Posterior Probability
Cow 29
Value
1 - Likely
0 - Not Likely
Chatham Islands
0 15 30 Km
0 10 20 Km
0 75 150 300 450 Km
N

Top 33% Posterior Probability
Cow 30
Value
1
0
Chatham Islands
0 5 10 Km
0 10 20 Km
0 75 150 300 450 Km
N

Top 33% Posterior Probability
Cow 31
Value
1
0
Chatham Islands
0 15 30 Km
0 10 20 Km
0 75 150 300 450 Km
N

Top 33% Posterior Probability
Cow 32
Value
1
0
Chatham Islands
0 5 10 Km
0 10 20 Km
0 75 150 300 450 Km
N

Top 33% Posterior Probability

Cow 33

Value

1

0

Km
0 10 20
Esri, CGIAR

Chatham Islands

Km
0 10 20
Esri, CGIAR

N

Km
0 75 150 300 450
Esri, USGS