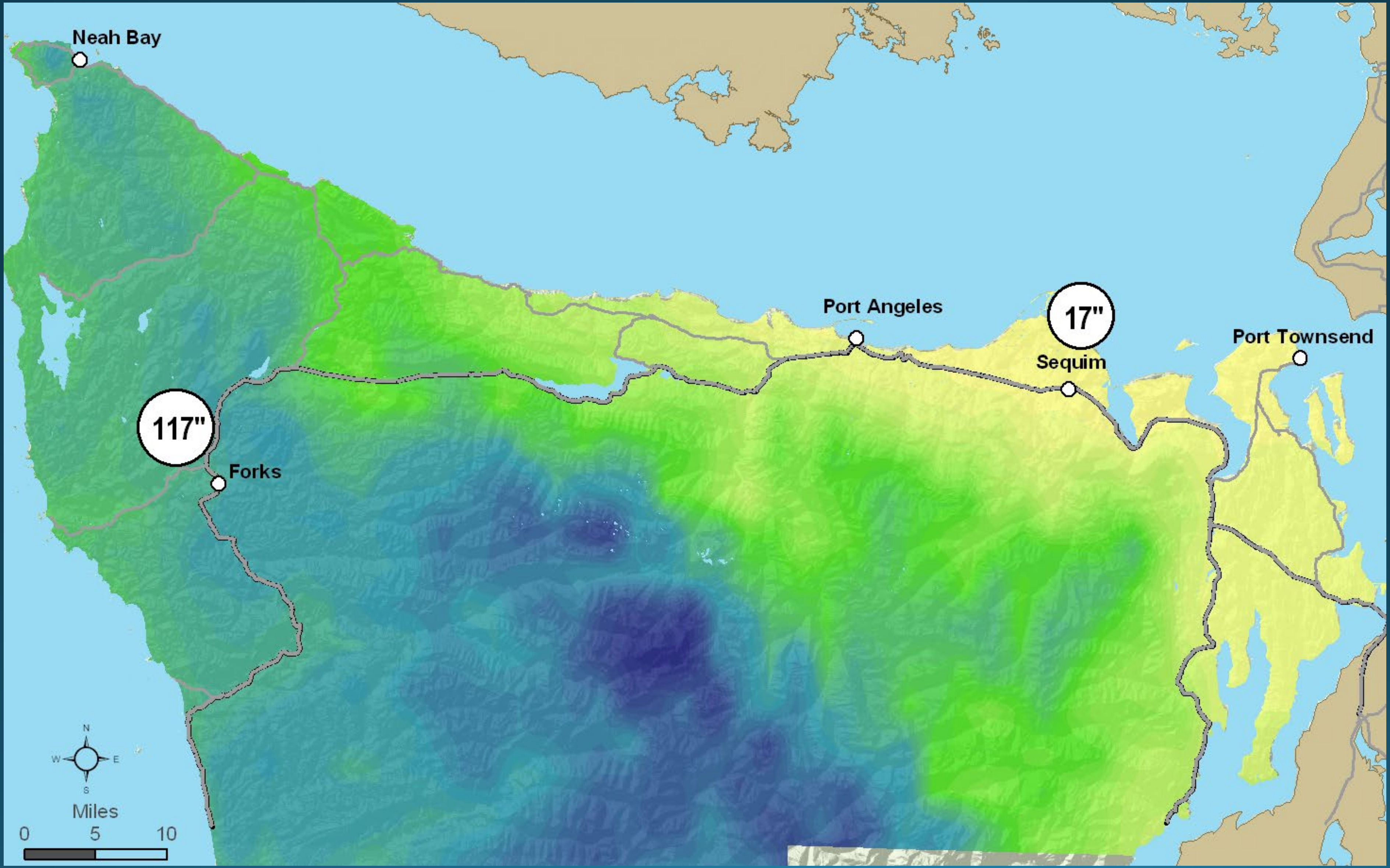
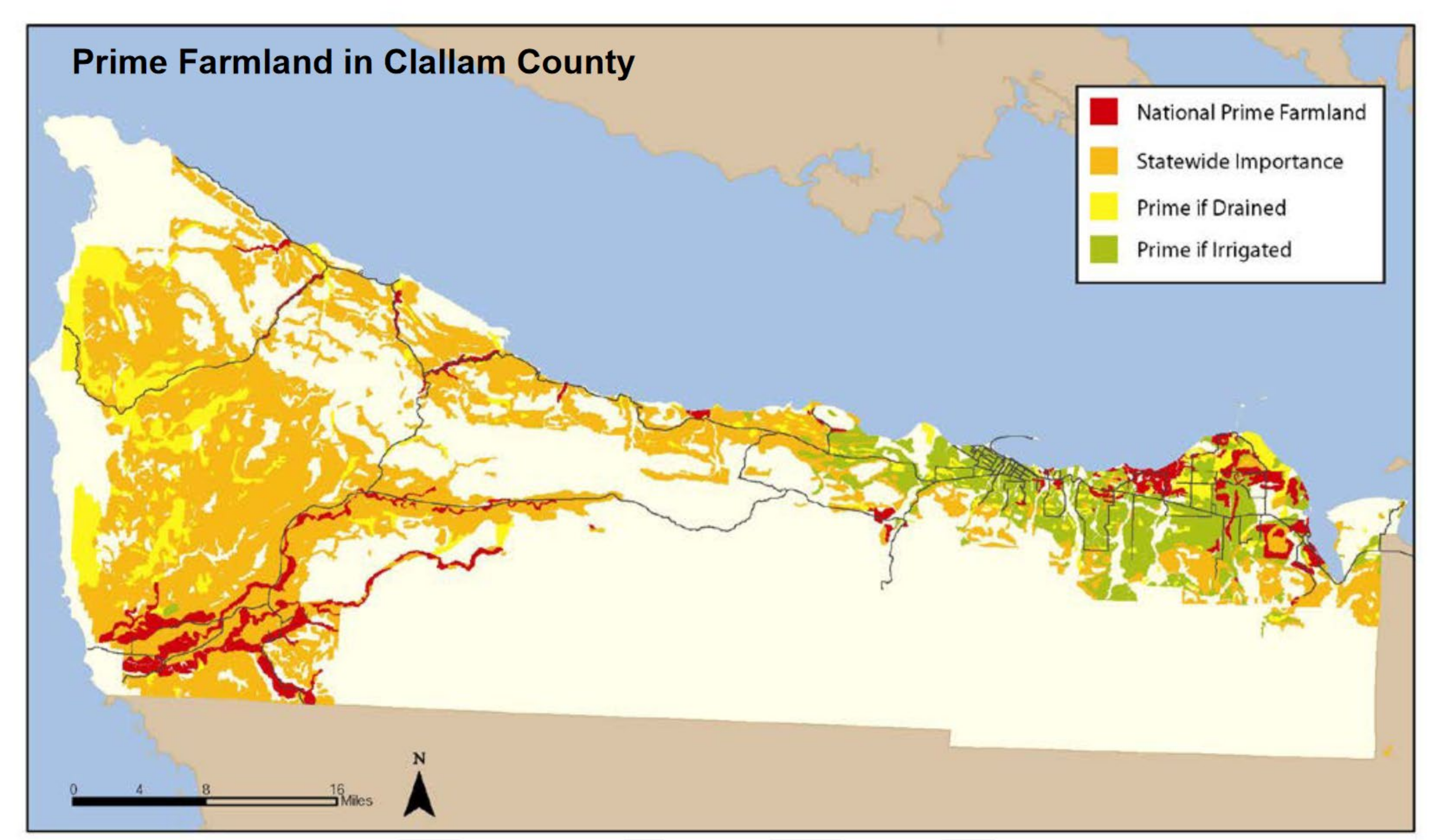
North Olympic Peninsula



Courtesy of Sequim Museum and Arts Center

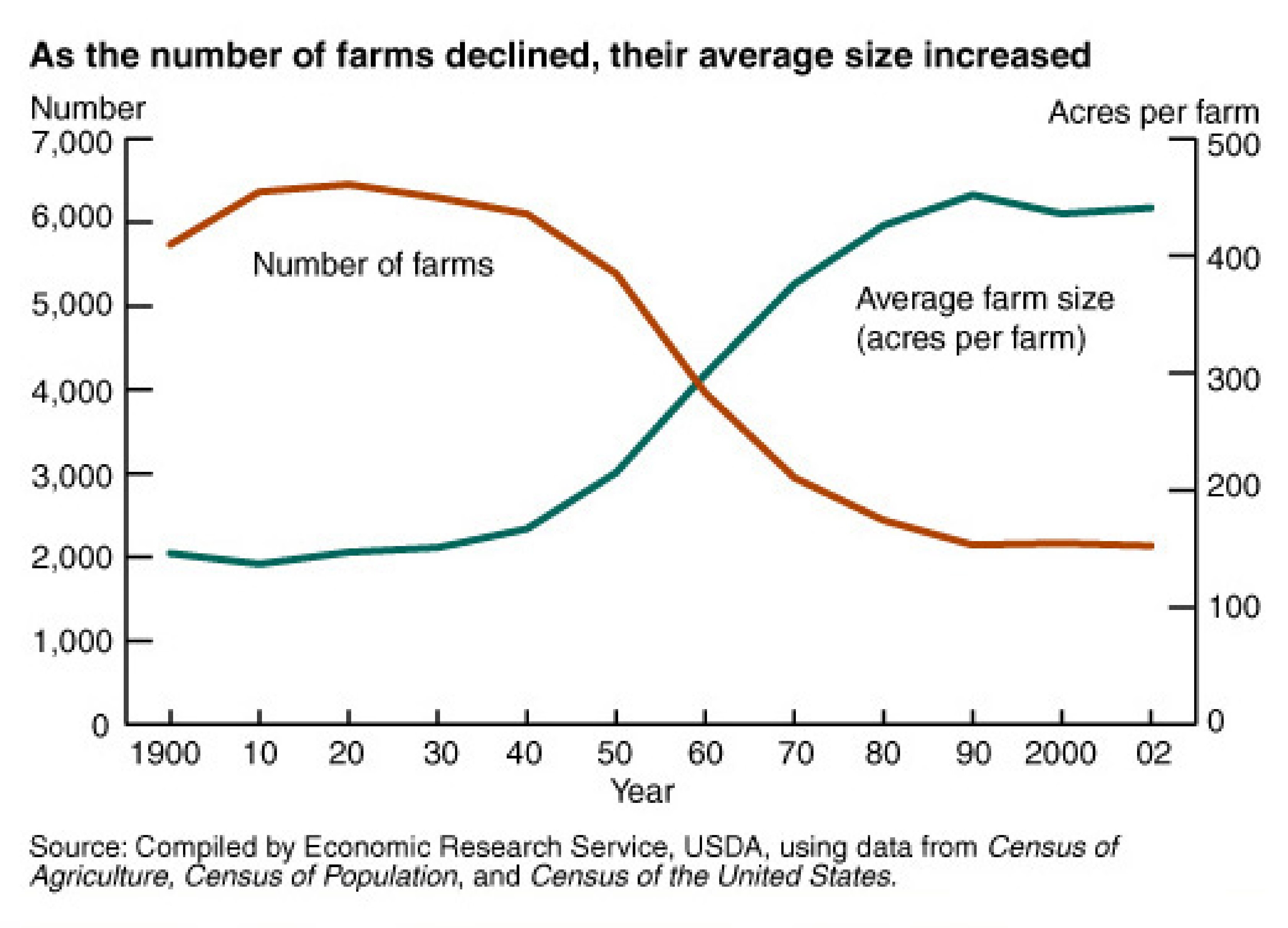
Willamette Valley
Puget Trough
Georgia Basin
BRITISH COLUMBIA
CANADA
USA
WASHINGTON
OREGON
PACIFIC OCEAN
Okanagan
Northwest Coast
Columbia Plateau
0 20 40 60 80 100 Miles
0 50 100 150 200 Kilometres

Soils of National Significance

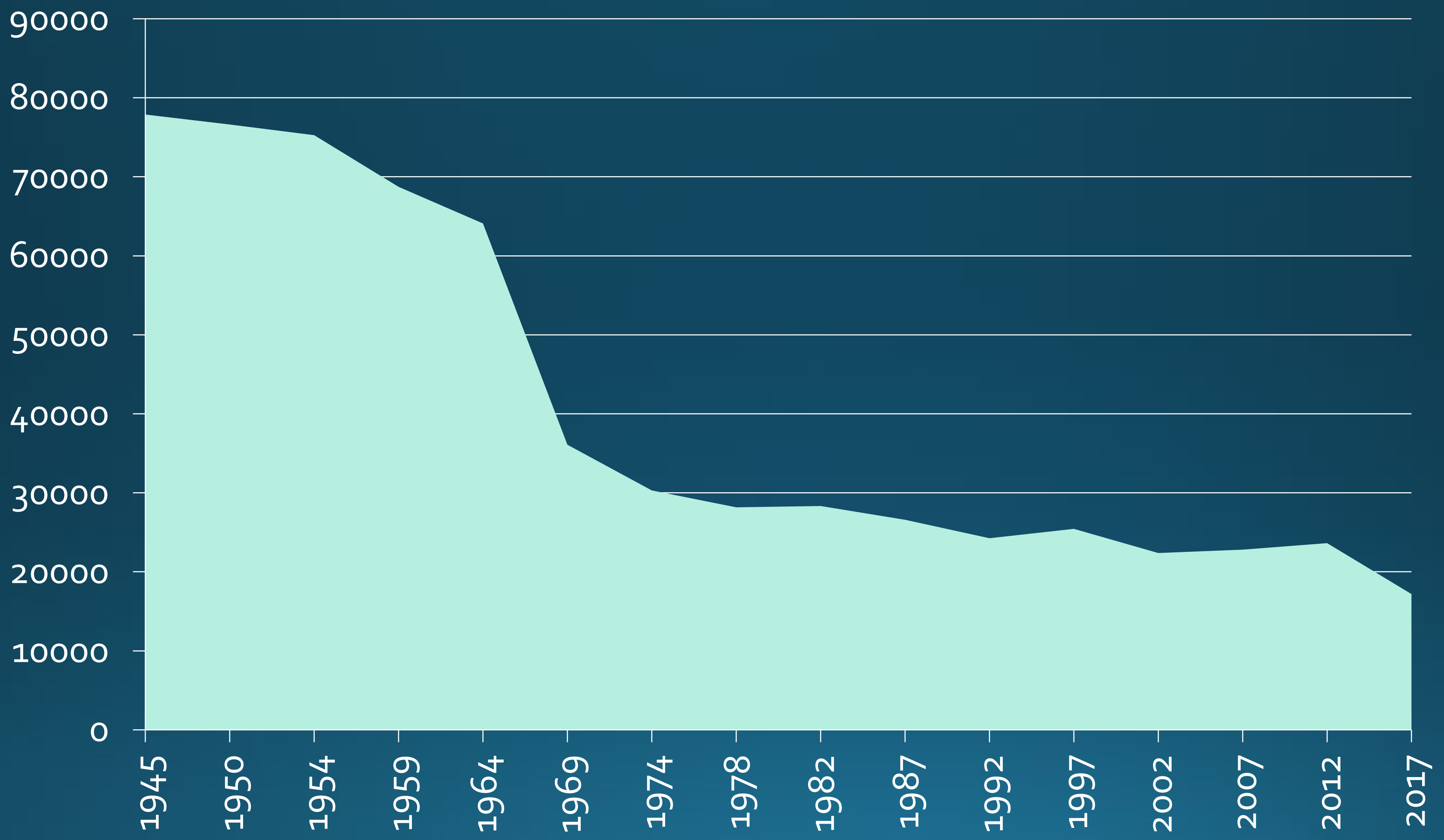


Source: NRCS

Courtesy of Sequim Museum and Arts Center


As the number of farms declined, their average size increased
Number
Acres per farm
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
500
400
300
200
100
0
Number of farms
Average farm size
(acres per farm)
1900
10
20
30
40
50
60
70
80
90
2000
02
Year
Source: Compiled by Economic Research Service, USDA, using data from *Census of Agriculture*, *Census of Population*, and *Census of the United States*.

Number of acres farmed in Clallam County



Source: NASS


WASHINGTON STATE
FARM to FOOD PANTRY
PARTNERSHIP
WASHINGTON STATE DEPARTMENT OF AGRICULTURE

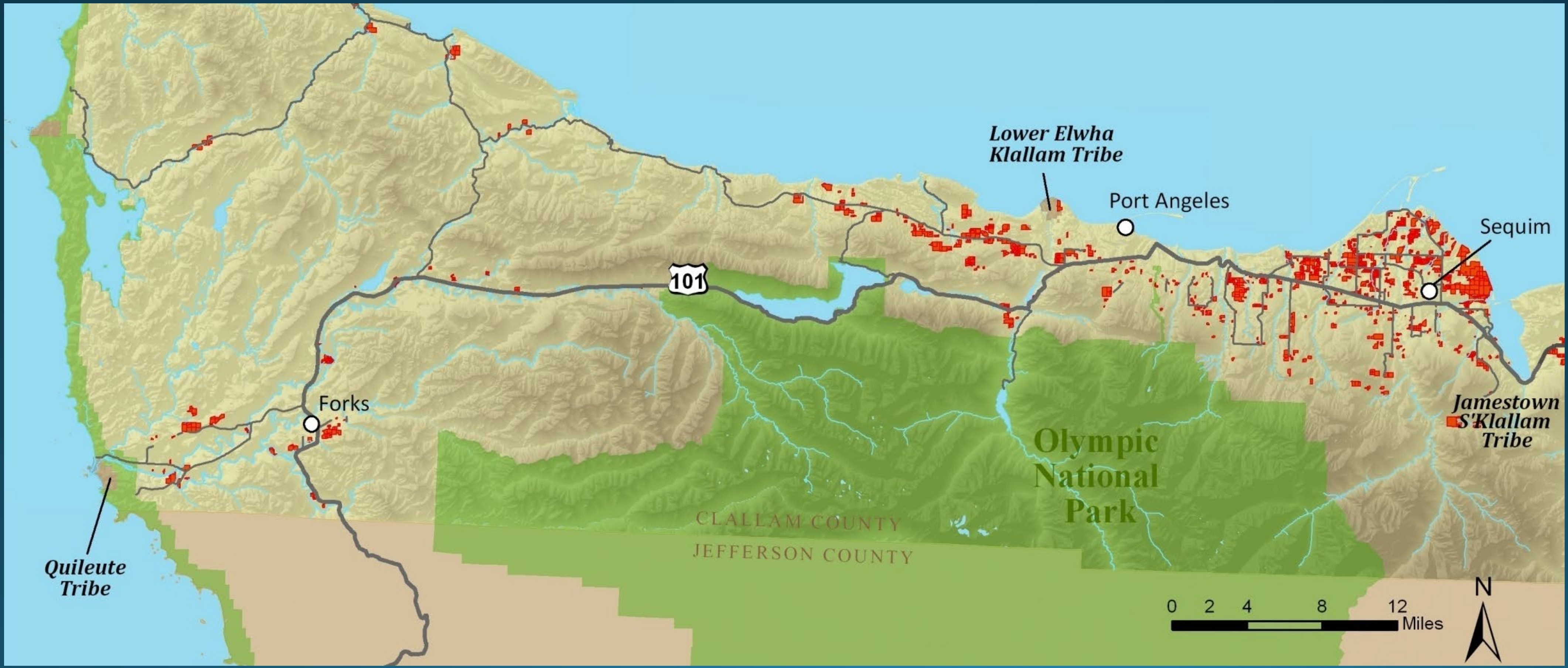

JOHNSTON Farms

Clallam Farms

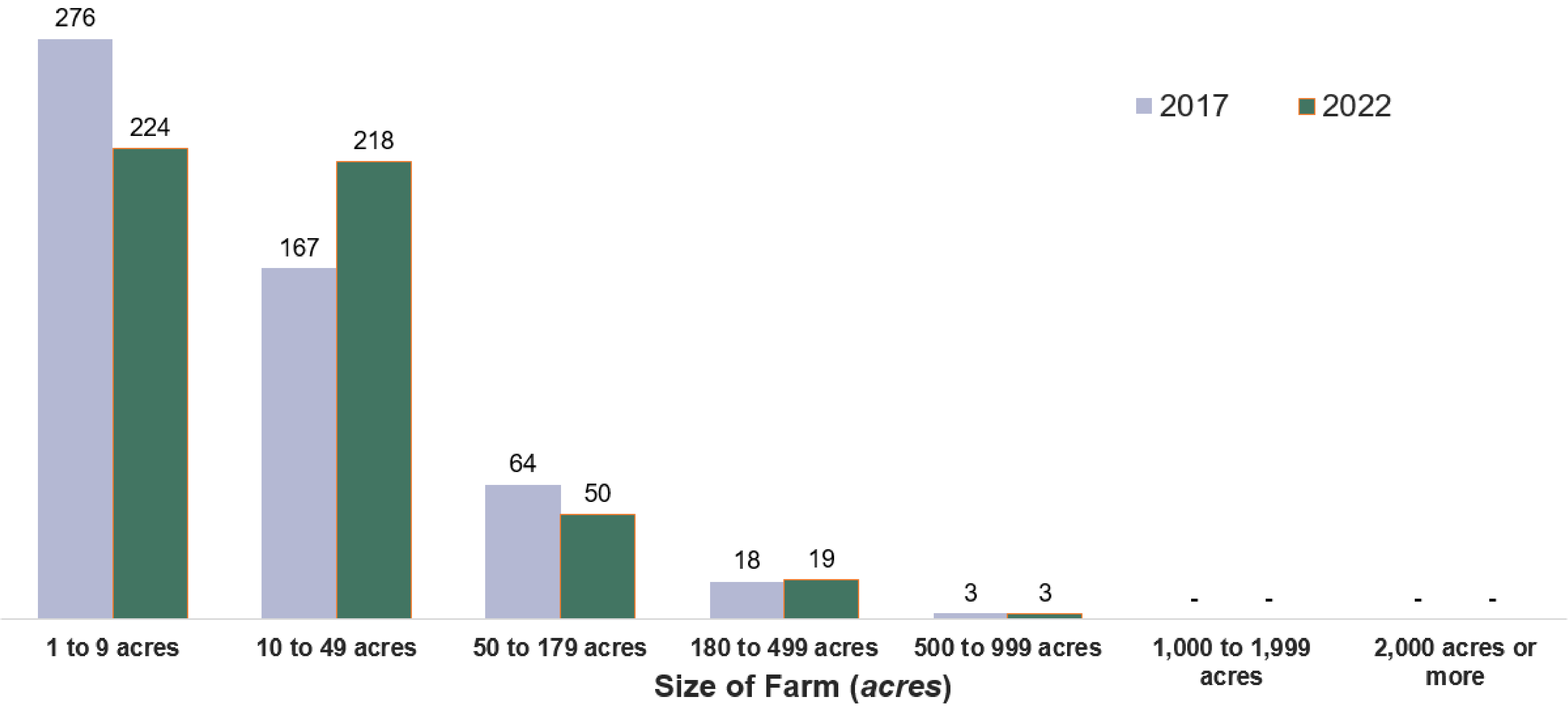
"Big"

Small				
282 farms	110 farms	83 farms	24	6
Less than $2,500	$2,500K-$9,999K	10K-49K	50K-249K	250K+

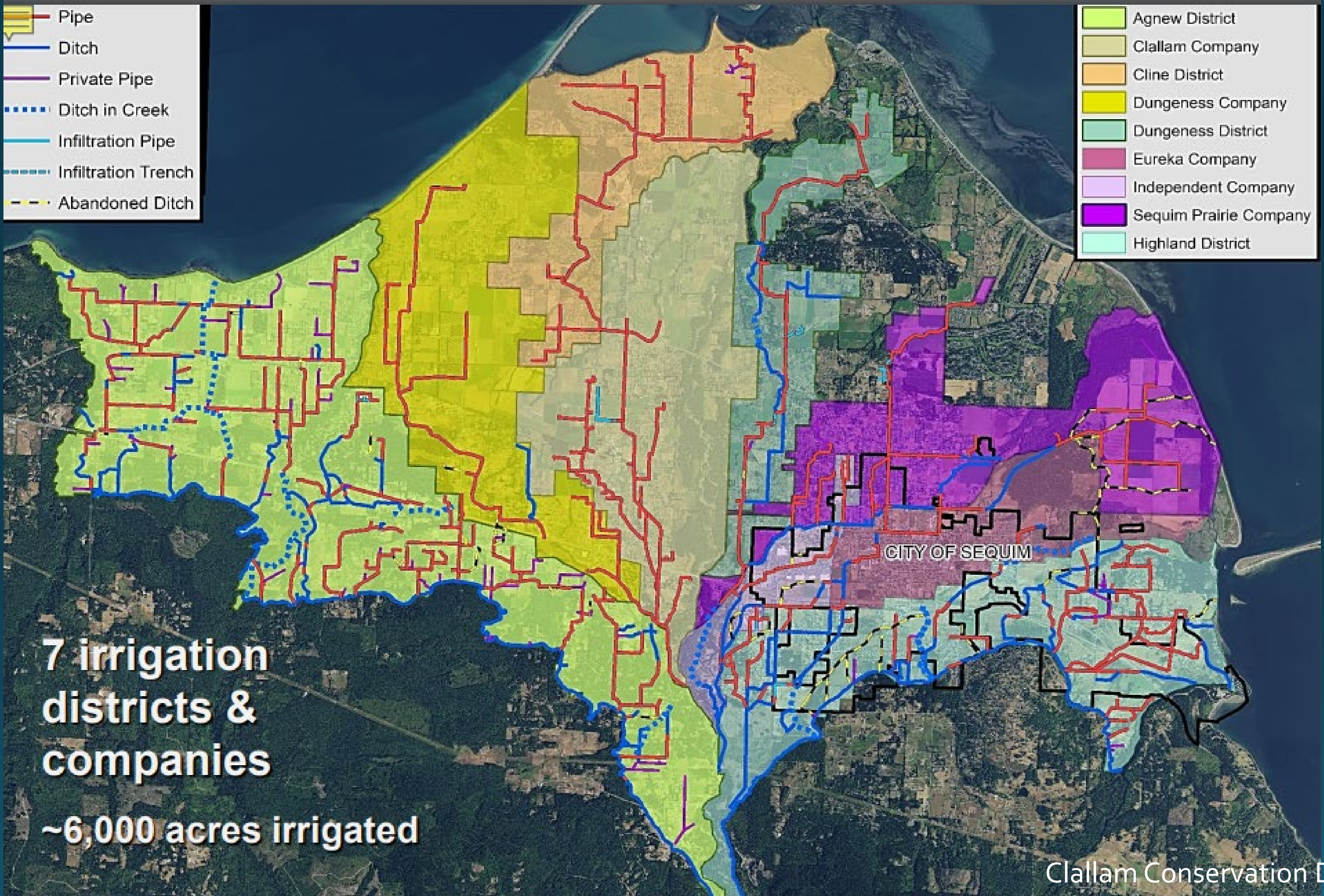
Source: NASS



Number of Farms, Clallam Co., by Size Class, 2017 and 2022



Source: NASS



Clallam Conservation District

What are local farmers doing to conserve water?

Dry year leasing programs

Pulse flow program

Irrigation Efficiencies

Maintaining soil quality

Experimenting with new crops/varietals

A useful water management tool

Soil Moisture Sensors

Sensor is made up of a granular ceramic matrix which can measure how much water is available in the soil

Installing sensors on farms on the North Olympica Peninsula

Project supported with funding from DOE, JSKT and EPA

We are hoping to learn….

If farmers have adjusted the timing or frequency of their water applications since installation?

Are the moisture values surprising to the grower or matching their expectations?

Are the sensors user friendly? Is the data interpretable?

Are the sensors more useful for specific crops?

Will these sensors improve small farmers' water management?

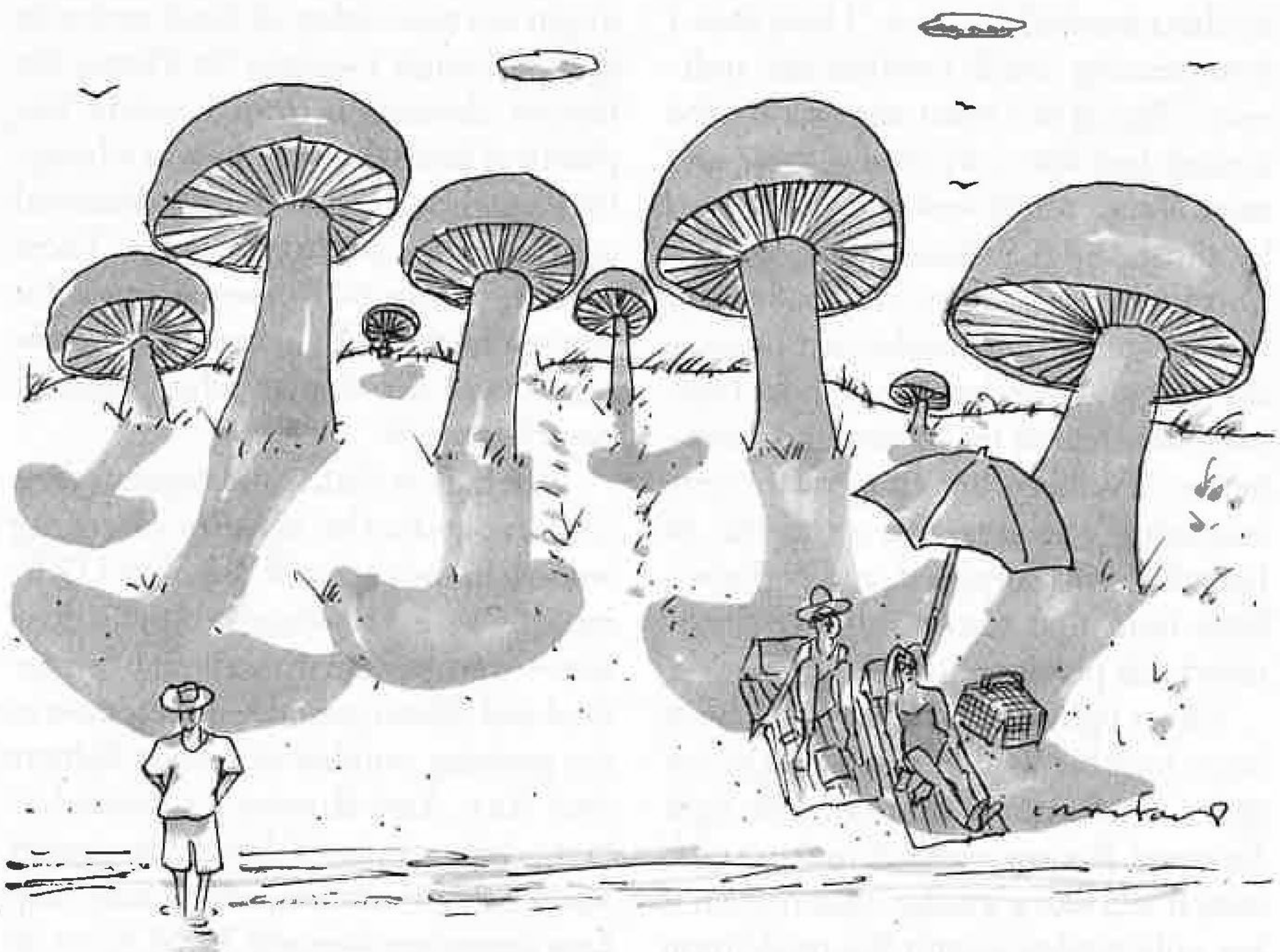
A success story for a local berry farmer

WSU

Commercial farmer was irrigating their berries once a week for long periods of time

Had soil moisture sensors installed on their farm

This year farmer has only had to turn on irrigation water twice



"I don't recall it being quite this humid last July."