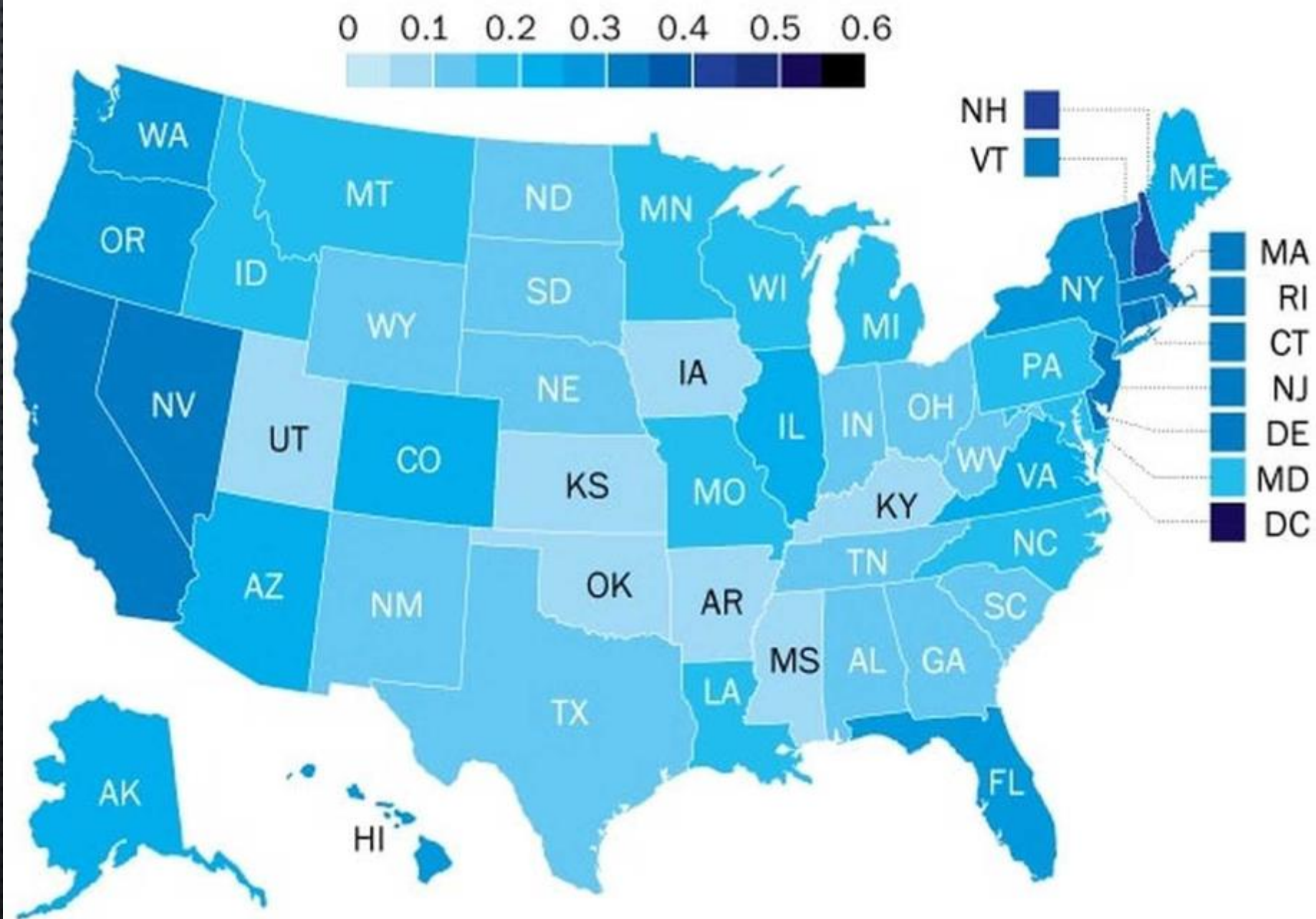


WINES OF THE PACIFIC NORTHWEST



Wine (in 5 ounce glasses per capita per day)

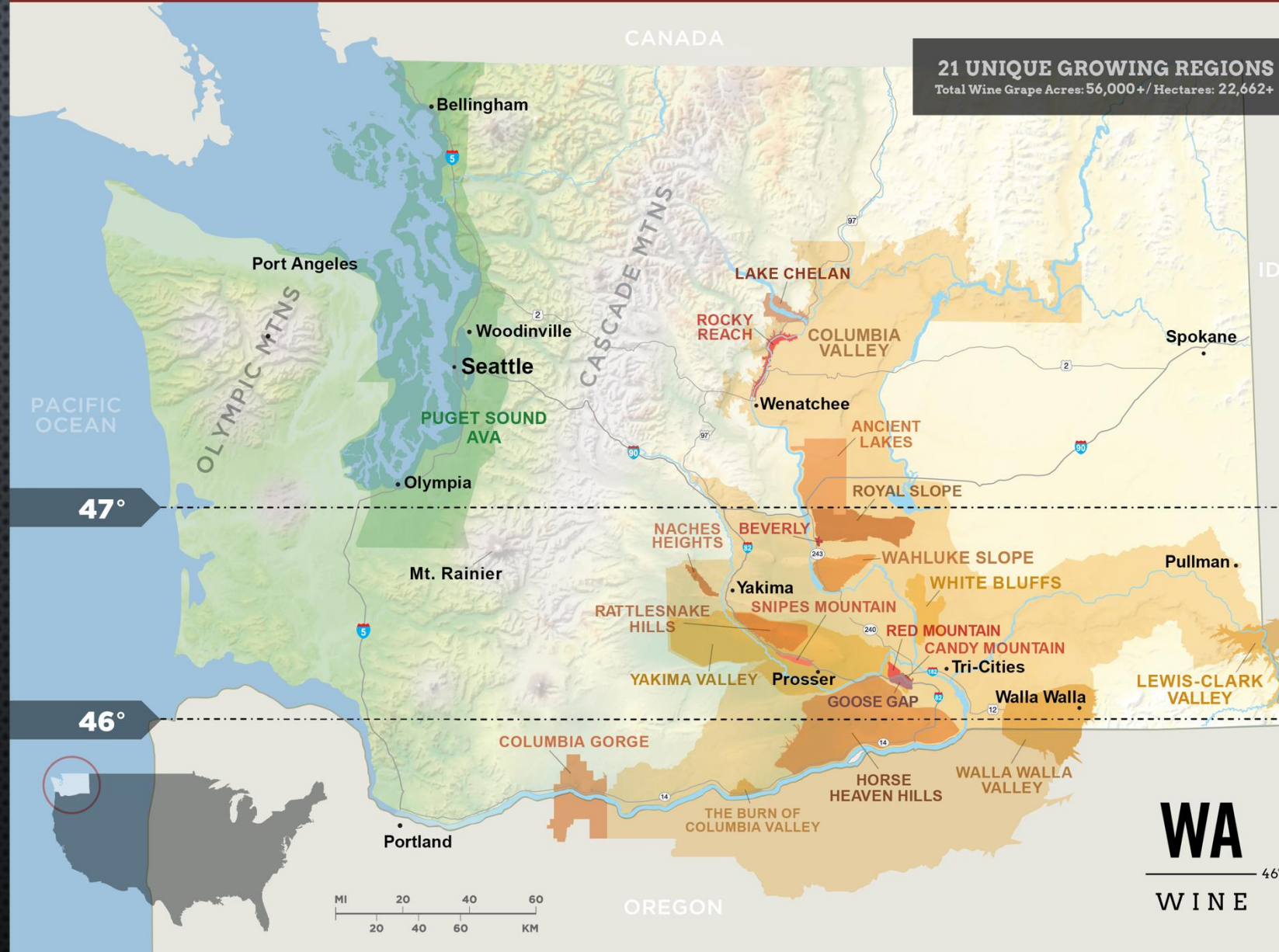


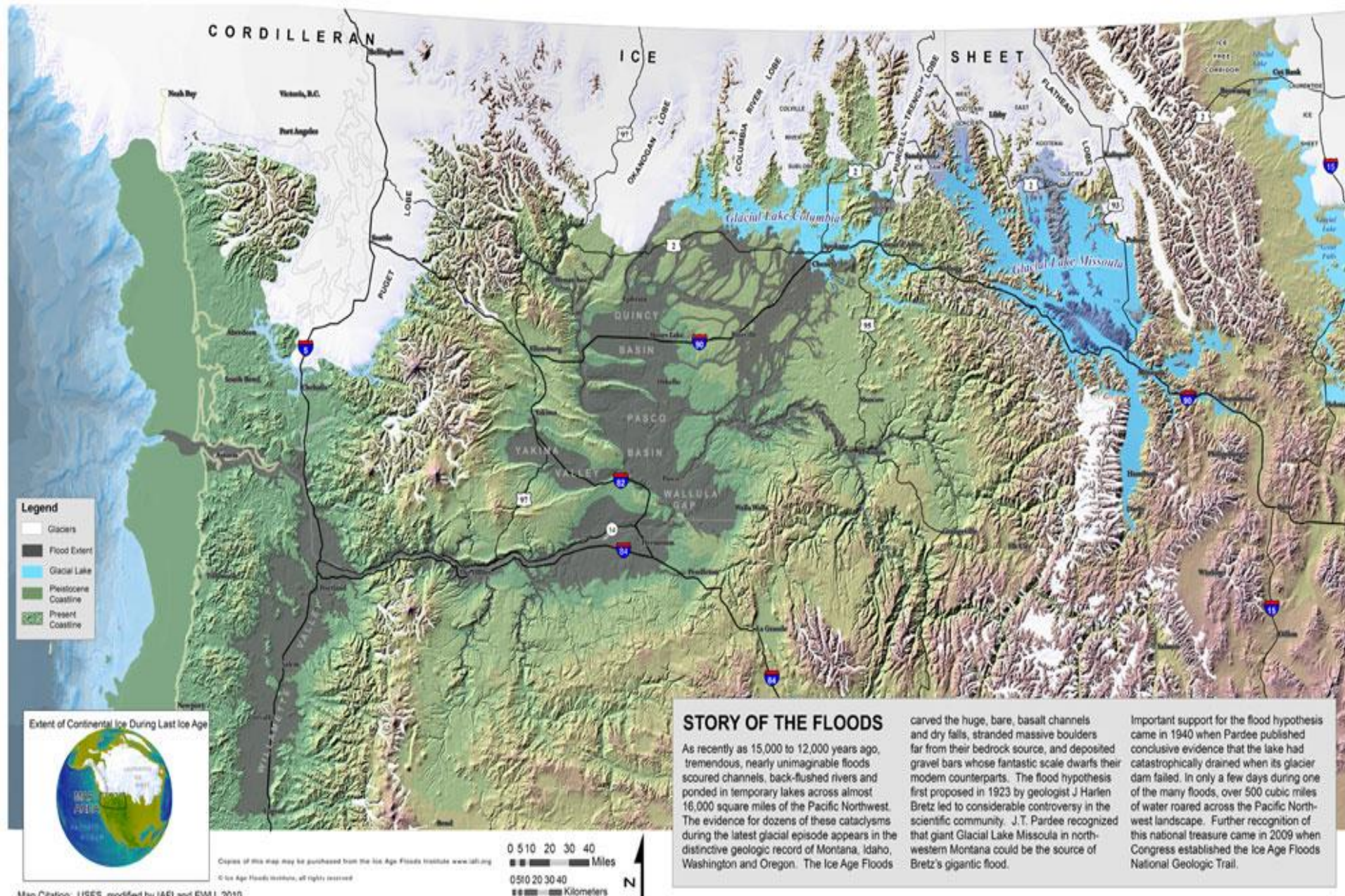
A.V.A

AMERICAN VITICULTURAL AREA

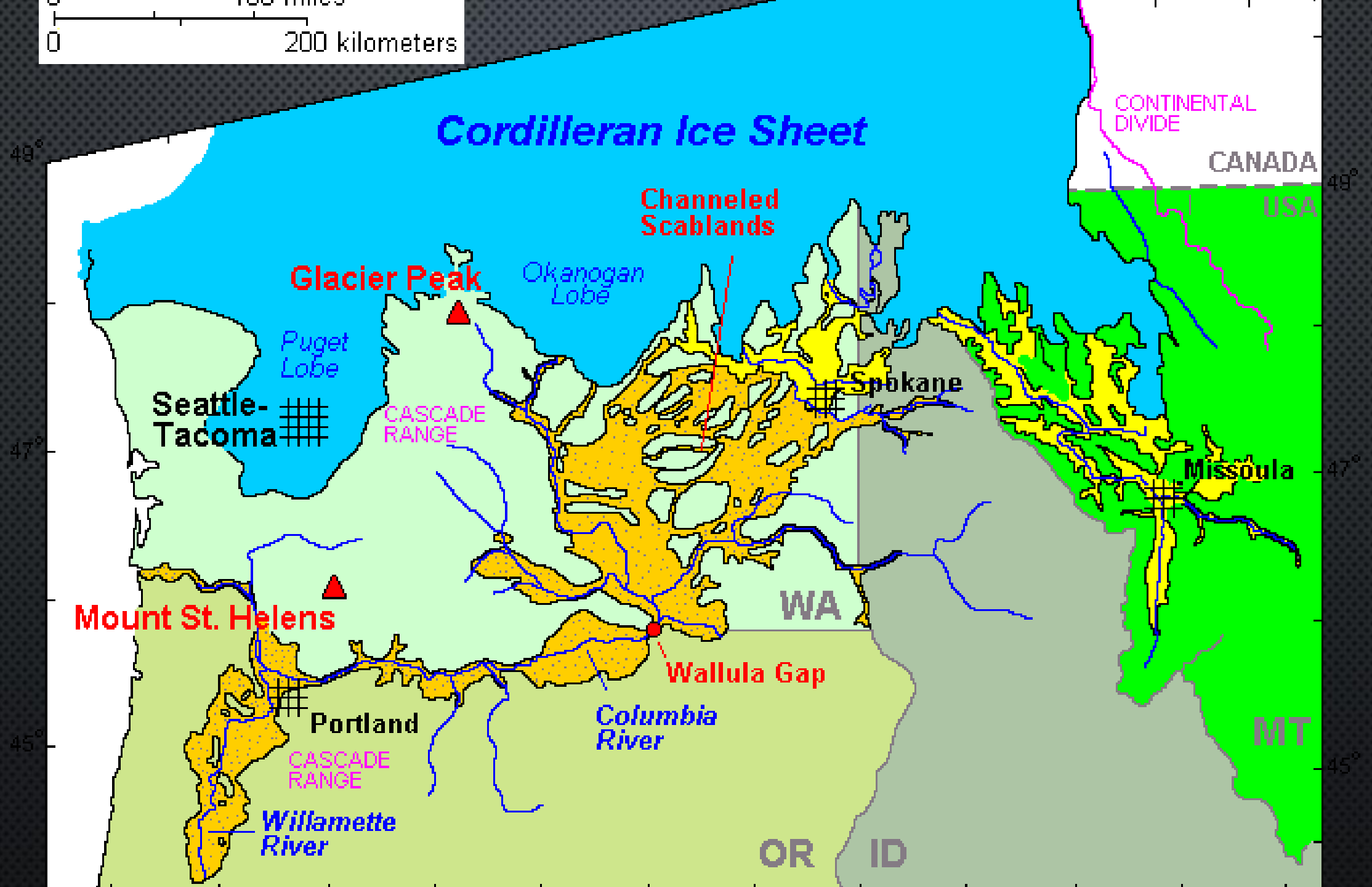
- GEOGRAPHICALLY DEFINED
- REGULATED BY THE TTB
 - FEDERAL GOVERNMENT BUREAU THAT REGULATES AND APPROVES THE APPELLATIONS (A.V.A.s)
- **277** IN THE UNITED STATES
- CALIFORNIA: **154**
- OREGON: **23 (4 SHARED)**
- WASHINGTON: **21**

WASHINGTON STATE | AMERICAN VITICULTURAL AREAS

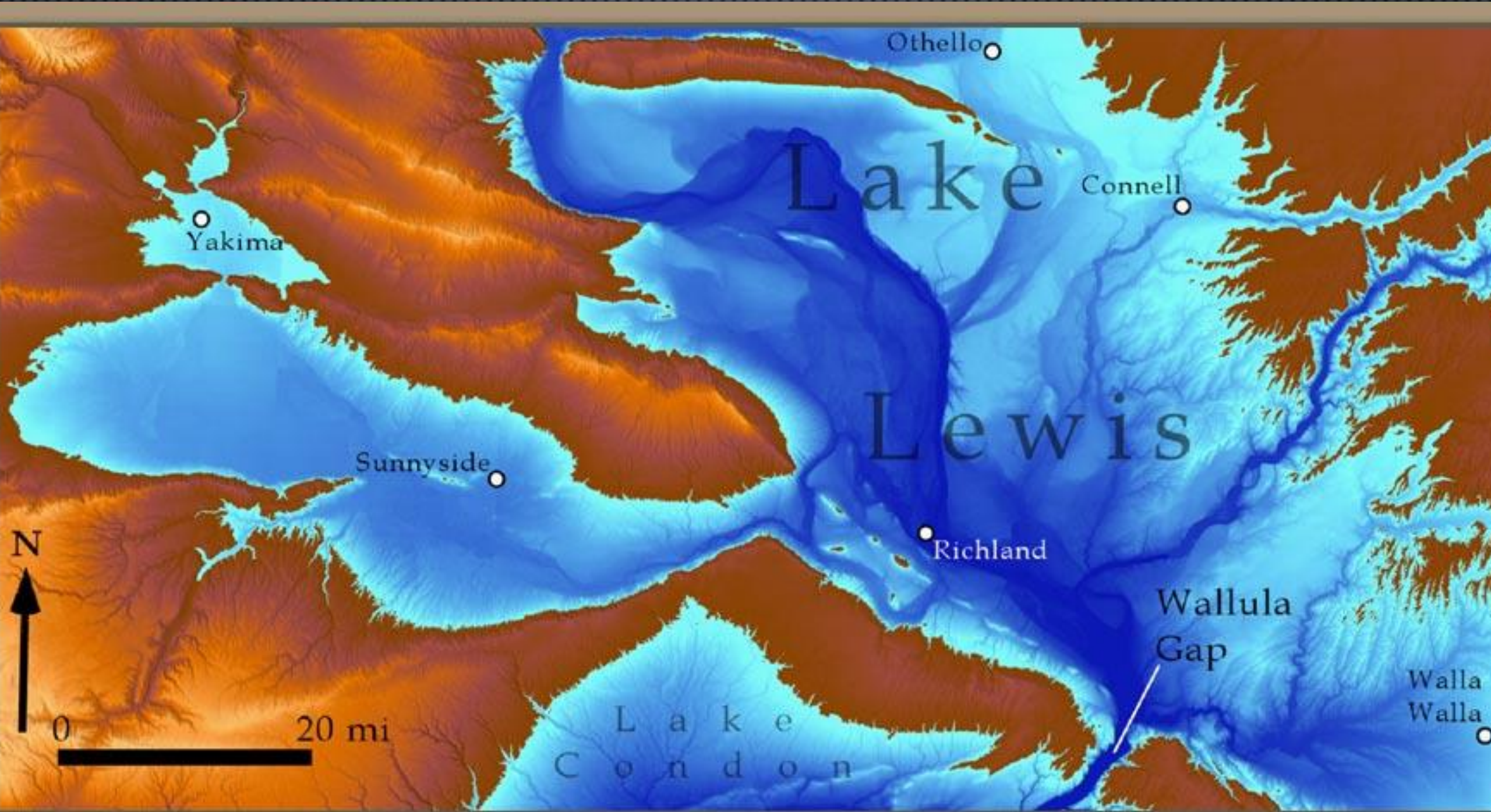




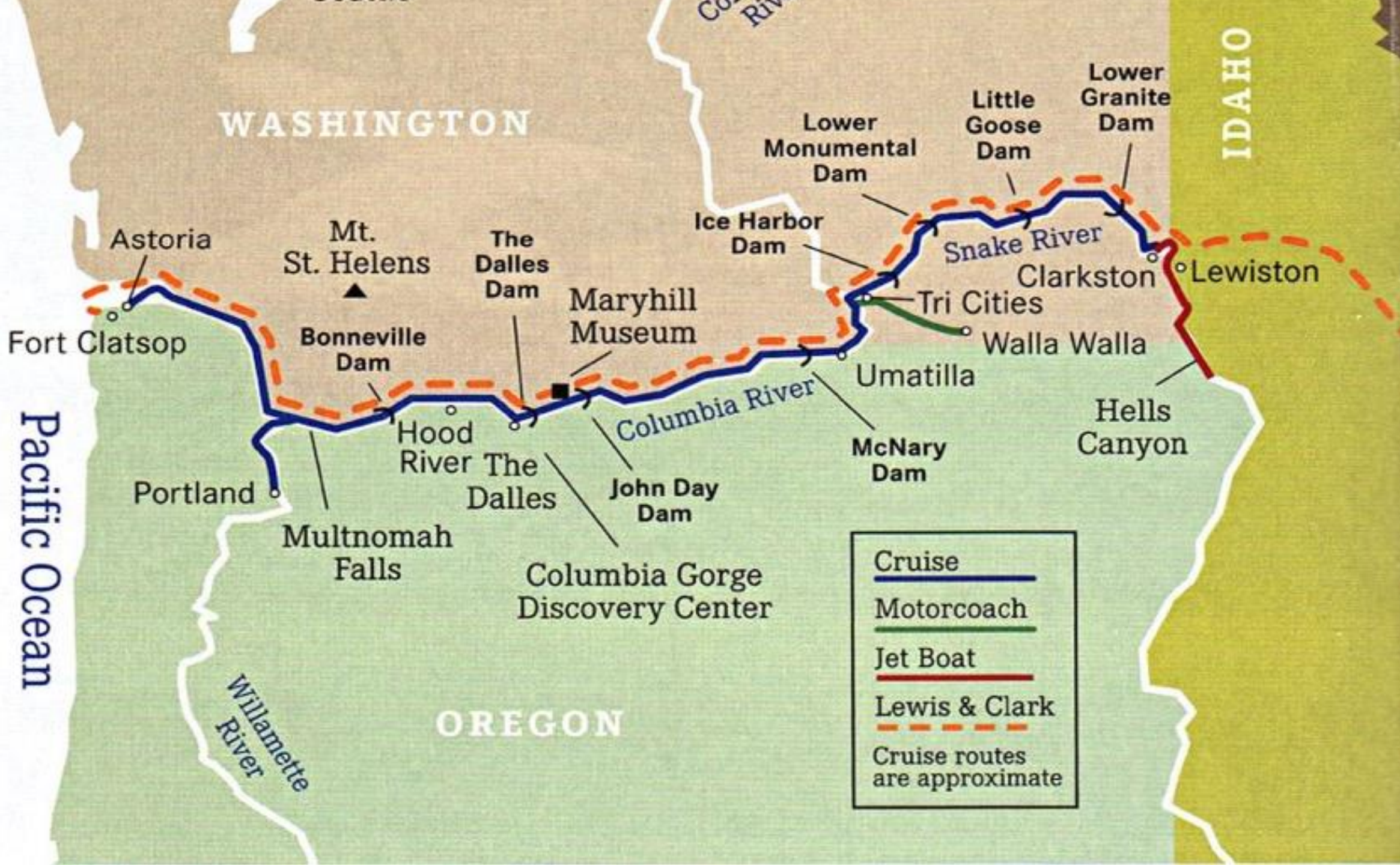
0 100 miles
0 200 kilometers











LAKE MISSOULA

AT ITS LARGEST, THE LAKE WAS DEEPER THAN 2,000 FEET DEEP

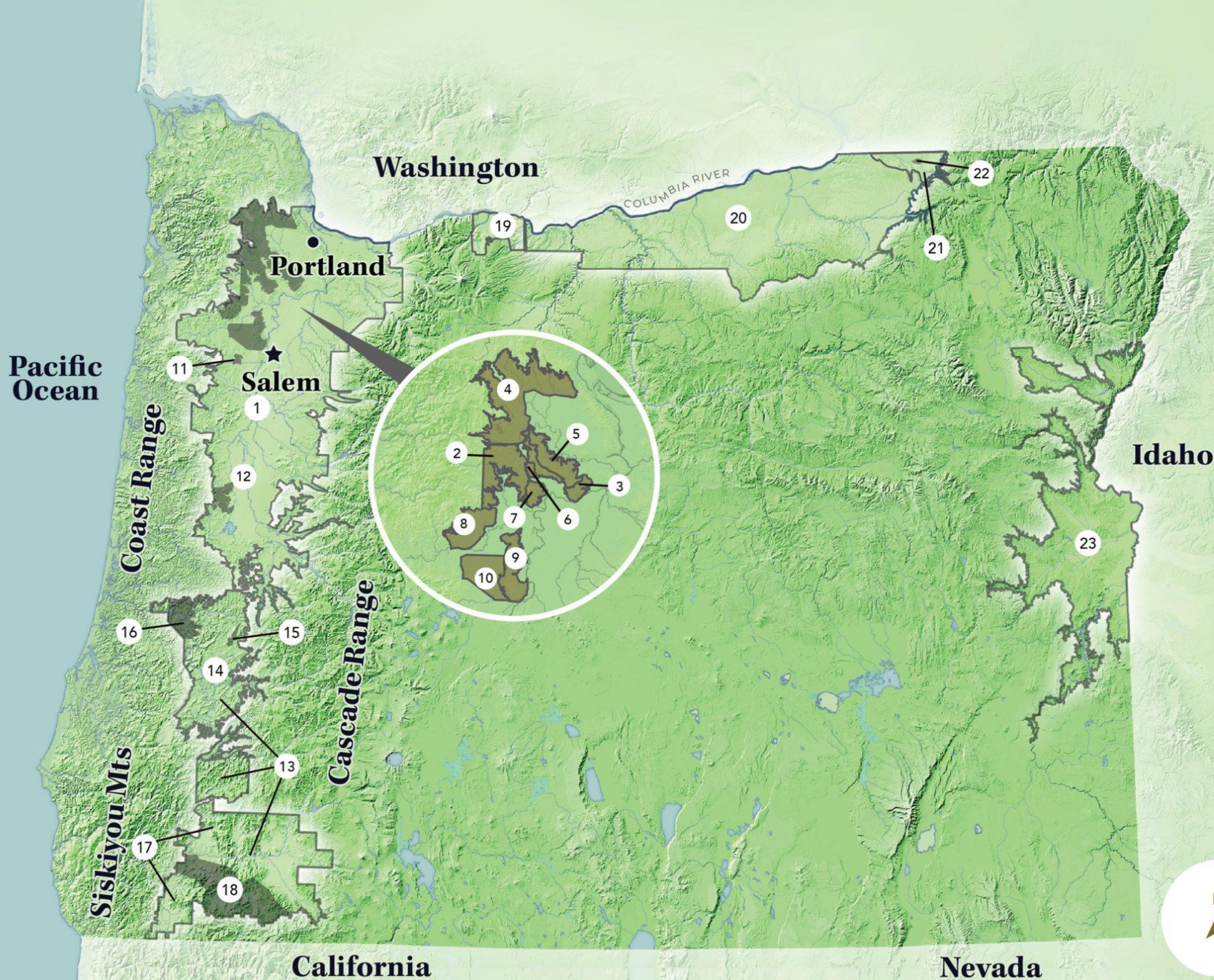
THE DAM HELD OVER 500 CUBIC MILES OF WATER

AS MUCH AS LAKE ERIE AND LAKE ONTARIO COMBINED

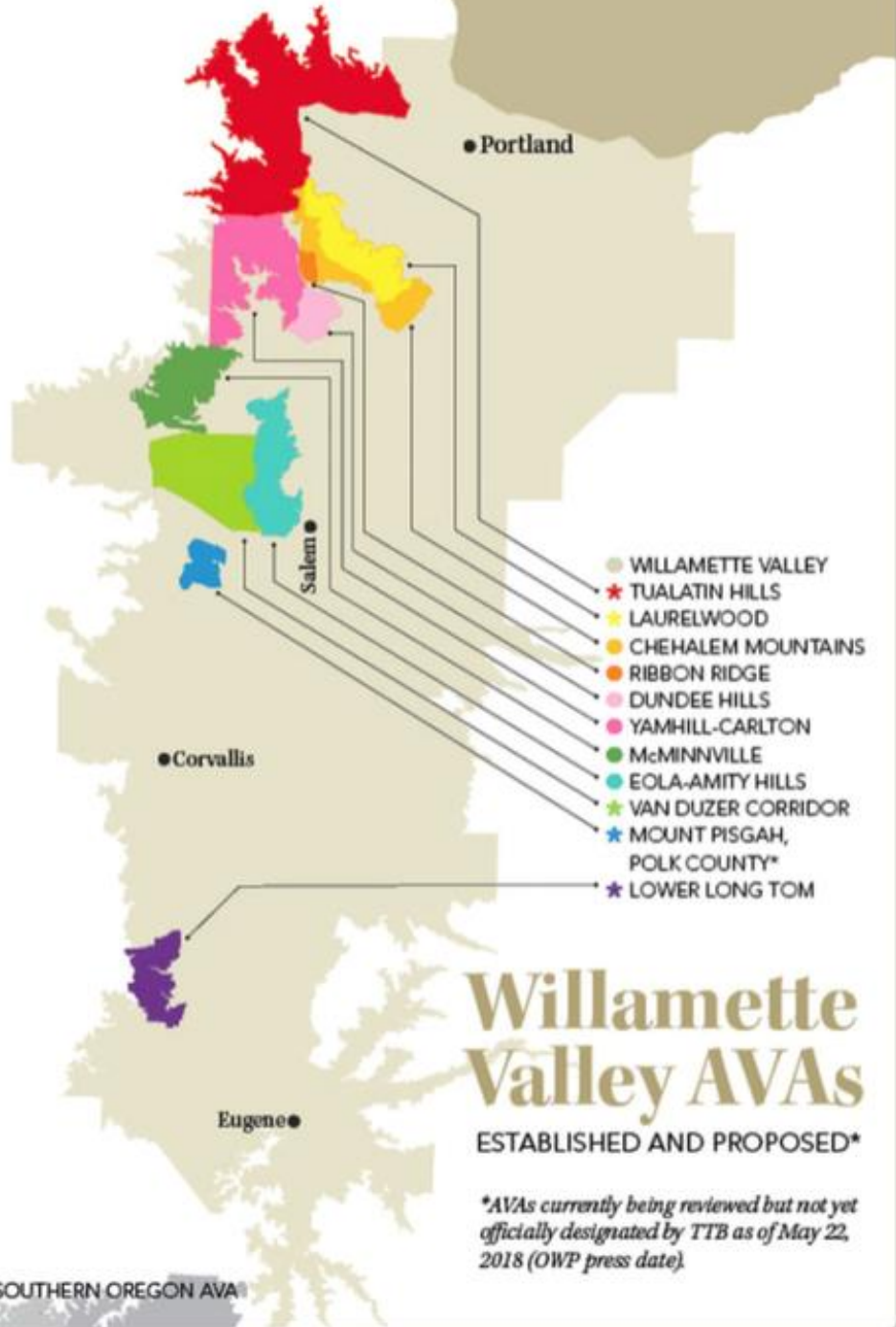
THE ICE DAM, FAILED REPEATEDLY

MULTIPLE FLOODS TOOK PLACE

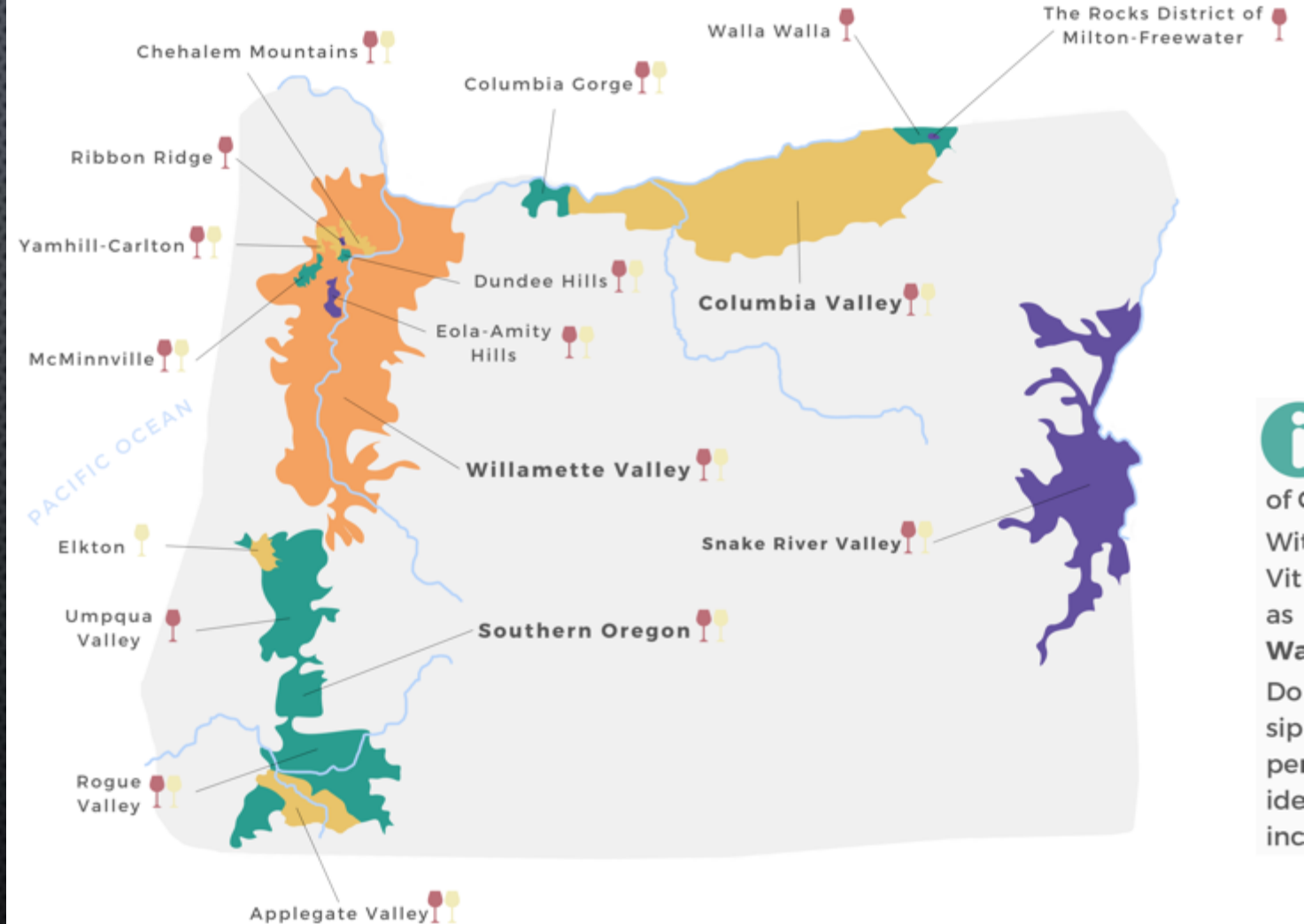
OREGON



1. Willamette Valley
2. Yamhill-Carlton
3. Chehalem Mountains
4. Tualatin Hills
5. Laurelwood District
6. Ribbon Ridge
7. Dundee Hills
8. McMinnville
9. Eola-Amity Hills
10. Van Duzer Corridor
11. Mount Pisgah
Polk County, Oregon
12. Lower Long Tom
13. Southern Oregon
14. Umpqua Valley
15. Red Hill Douglas County
16. Elkton Oregon
17. Rogue Valley
18. Applegate Valley
19. Columbia Gorge
20. Columbia Valley
21. Walla Walla Valley
22. The Rocks District
of Milton-Freewater
23. Snake River Valley



OREGON USA

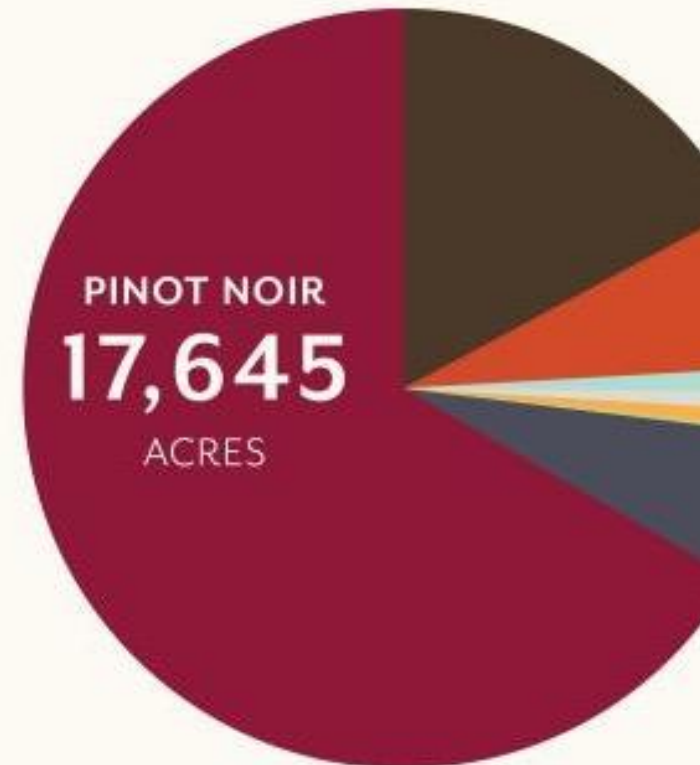


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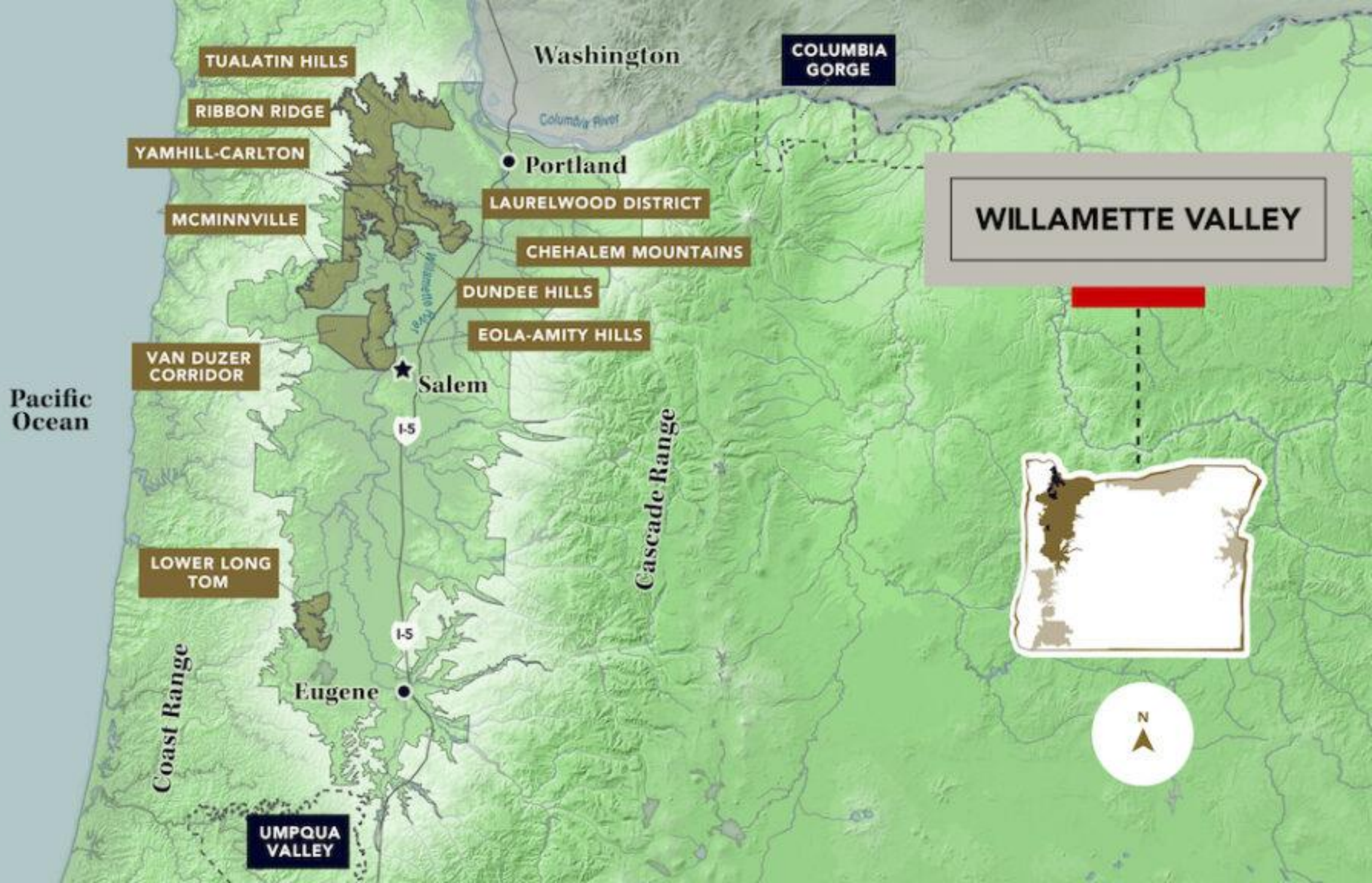
WILLAMETTE VALLEY

- ESTABLISHED 1983
- 2/3 OF THE STATE'S 700 WINERIES AND VINEYARDS
- ONE OF THE PREMIER PINOT NOIR-PRODUCING AREAS IN THE WORLD
- SUB AVAs:
- A LONG, BROAD VALLEY SIXTY MILES WIDE AND 100 MILES LONG.
- PROTECTED FROM COLD PACIFIC OCEAN AIR AND RAINSTORMS ON THE WEST BY THE COAST RANGE MOUNTAINS
- THE VALLEY FOLLOWS THE WILLAMETTE RIVER FOR MORE THAN A HUNDRED MILES FROM THE COLUMBIA RIVER TO JUST SOUTH OF EUGENE.
- THE CASCADE RANGE TO THE EAST IS PROTECTING THE VALLEY FROM THE DRY, DESERT-LIKE CLIMATE OF EASTERN OREGON
- PINOT NOIR, PINOT GRIS, CHARDONNAY, RIESLING ARE THE MAIN VARIETIES GROWN
- ANNUAL RAINFALL 25-35 INCHES (MOSTLY FALL, WINTER, SPRING)
- SOILS:
 - MARINE SEDIMENTARY: WILLAKENZIE
 - VOLCANIC (BASALT): JORY, NEKIA
 - WINDBLOWN LOESS (SILTS): LAURELWOOD

VARIETIES BY ACRE
WILLAMETTE VALLEY, OREGON



VARIETIES		ACRES
PINOT NOIR		17,645
PINOT GRIS		4,200
CHARDONNAY		1,900
SYRAH		200
RIESLING		200
PINOT BLANC		200
GAMAY NOIR		100
ALL OTHERS		700





WILLAMETTE VALLEY

- YAMHILL - CARLTON **AVA** - 2004
- DUNDEE HILLS **AVA** - 2005
- MCMINNVILLE - 2005
- RIBBON RIDGE - 2005
- CHEHALEM MOUNTAINS **AVA** - 2006
- EOLA-AMITY HILLS - 2006
- VAN DUZER CORRIDOR - 2019
- LAURELWOOD DISTRICT - 2020
- TUALATIN HILLS - 2020
- LOWER LONG TOM - 2021
- MOUNT PISGAH, POLK COUNTY - 2022

OUTSIDE OF WILLAMETTE VALLEY:

- COLUMBIA VALLEY AVA (OR, WA)
- COLUMBIA GORGE AVA (OR, WA)
- WALLA WALLA AVA (OR, WA)
- THE ROCKS AVA (OR, WA)
- SNAKE RIVER VALLEY AVA (OR, WA, ID)

SOILS:

THE WILLAMETTE VALLEY IS AN OLD VOLCANIC AND SEDIMENTARY SEABED OVERLAID WITH GRAVEL, SILT, ROCK AND BOULDERS BROUGHT BY THE MISSOULA FLOODS FROM MONTANA AND WASHINGTON BETWEEN 10,000 AND 15,000 YEARS AGO.

THE MOST COMMON OF THE **VOLCANIC TYPE IS RED JORY SOIL**, FOUND ABOVE 300 FEET
IT ESCAPED THE MISSOULA FLOODS DEPOSITS AND IS BETWEEN 4 AND 6 FEET DEEP
IT PROVIDES EXCELLENT DRAINAGE FOR WINE GRAPES.
ANYTHING BELOW 300 IS PRIMARILY **SEDIMENTARY-BASED SOIL**



Volcanic Basalts



Marine Sediments



Ice Age Loess

MOUNT PISGAH, POLK COUNTY, OREGON AVA

ESTABLISHED: 2022

TOTAL AREA: 5,530 ACRES (2,237 HA)

PLANTED AREA: 584 ACRES (236 HA)

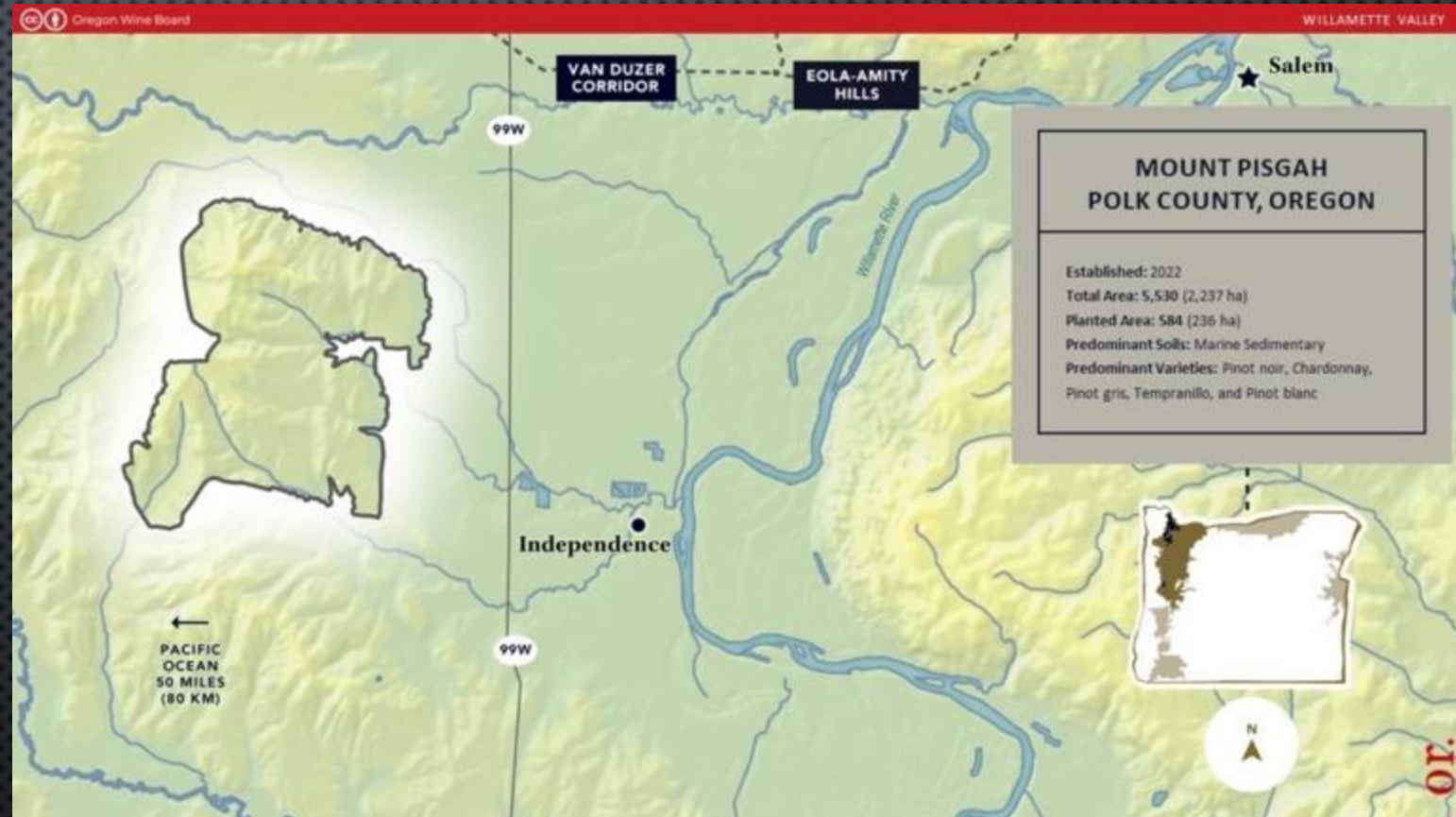
PREDOMINANT VARIETIES: PINOT NOIR,
PINOT GRIS, CHARDONNAY, PINOT
GRIS, TEMPRANILLO, AND PINOT BLANC

PREDOMINANT SOILS: MARINE
SEDIMENTARY

20 MINUTES FROM SALEM

SILETZ SOILS - mostly Willakenzie,
Bellpine, and Jory, with some Nekia

MICROCLIMATE IS WARMER IN THE
WINTER AND SLIGHTLY COOLER IN THE
SUMMER.



LOWER LONG TOM AVA

ESTABLISHED: 2021

TOTAL AREA: 25,000 ACRES (10,117 HA)

PLANTED AREA: 575 ACRES (232 HA)

VARIETIES: PINOT NOIR, PINOT GRIS,
CHARDONNAY, SAUVIGNON BLANC

SOILS: BELLPINE AND BELLPINE-JORY

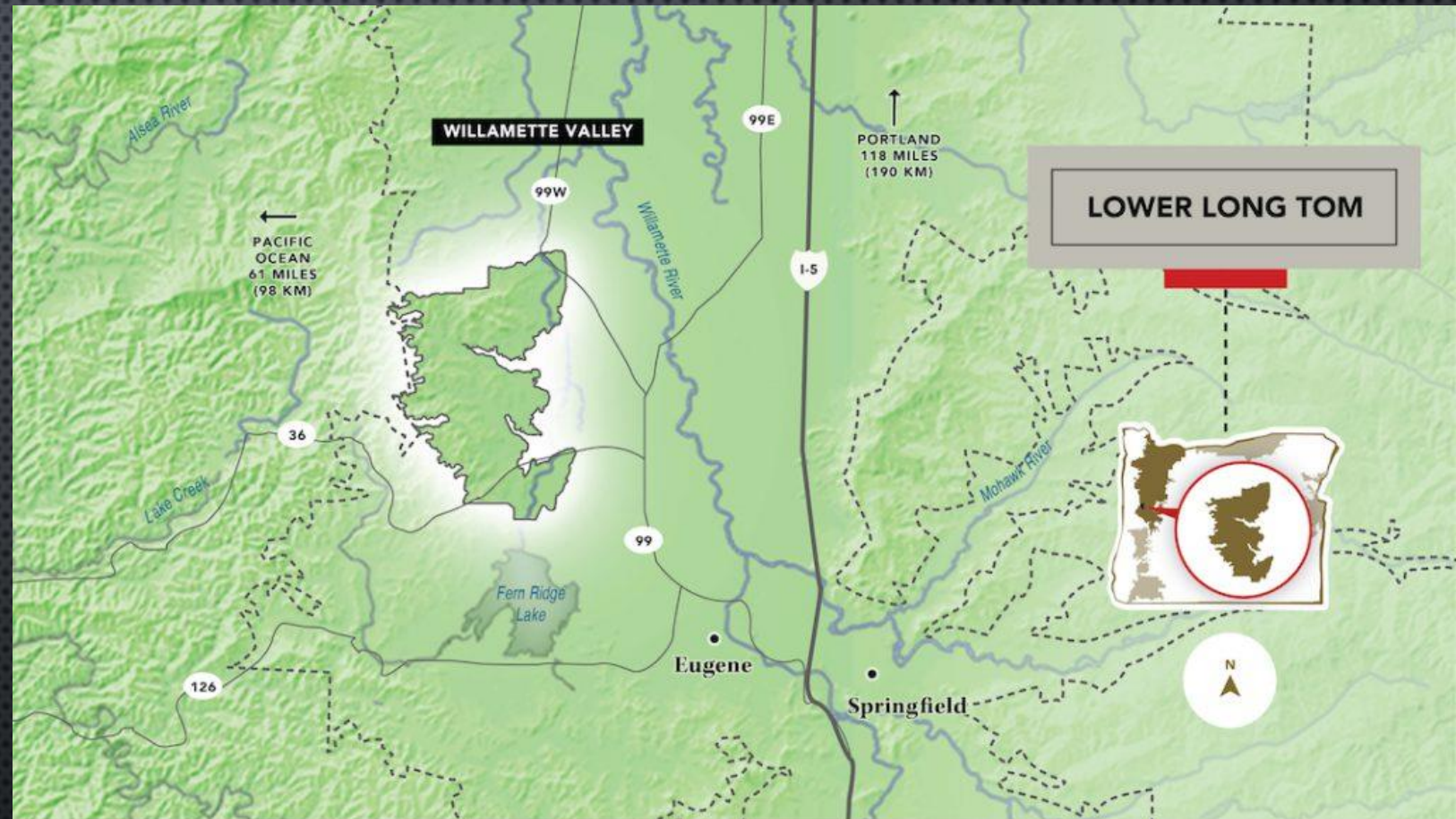
LOCATED BETWEEN EUGENE AND CORVALLIS AND
TUCKED INTO THE COASTAL FOOTHILLS

THE AVA DERIVES ITS NAME FROM ITS POSITION
WITHIN THE WEST SIDE OF THE LONG TOM
WATERSHED.

VINEYARDS ARE LOCATED ON STREAM-CUT RIDGE
LINES RUNNING EAST TO WEST

THE PREDOMINANT SOIL TYPE BEING **BELLPINE**.

BELLPINE SOILS ARE CLAY-LOAMS FORMED FROM
UP-LIFTED ANCIENT MARINE SEDIMENTS, PRIMARILY
SANDSTONE AND SHALLOW, ROOTS PENETRATE THE
SANDSTONE BELOW TO FIND WATER AND
NUTRIENTS.



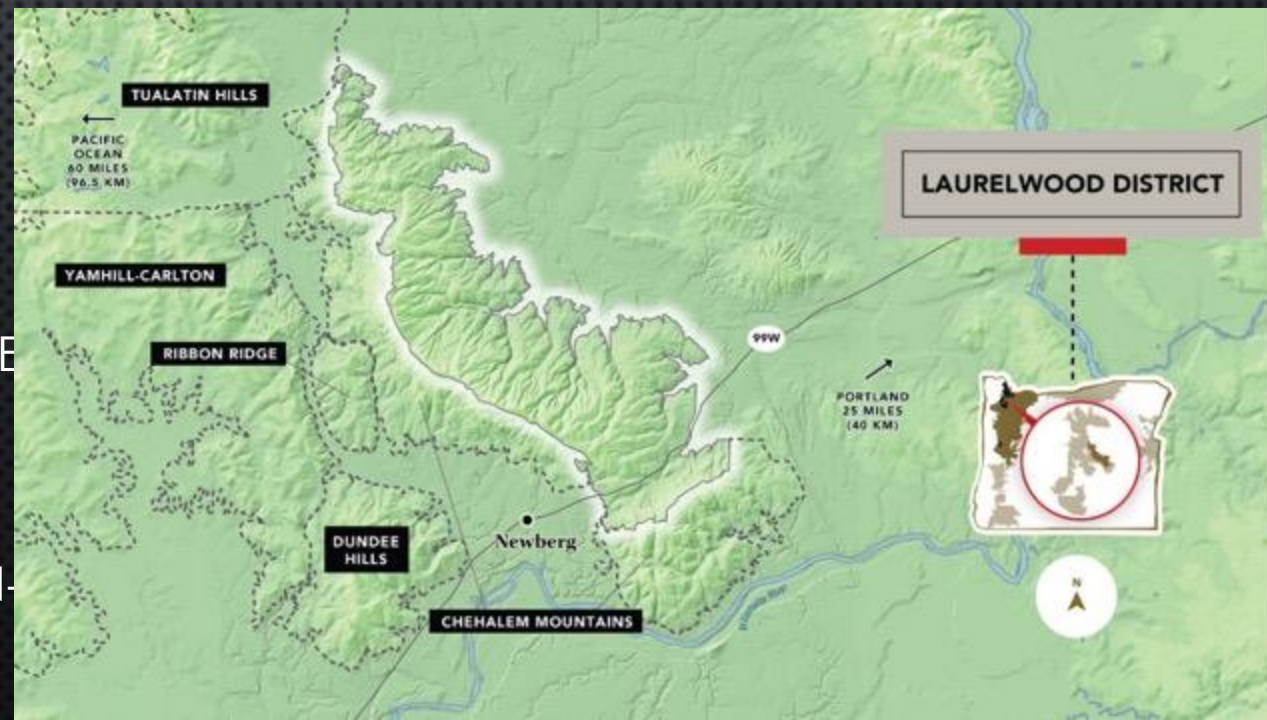
TUALATIN HILLS AVA

ESTABLISHED IN 2020
THE 144,000-ACRE TUALATIN HILLS AVA ALIGNS WITH THE WATERSHED OF THE TUALATIN RIVER AND ENCOMPASSES PART OF THE TUALATIN VALLEY. THE AREA IS NORTH OF THE CHEHALEM MOUNTAINS AVA AND HAS DISTINCT LAURELWOOD SOILS AND HAS SLIGHTLY HIGHER TEMPERATURES THAN VINEYARDS LOCATED IN THE LAURELWOOD DISTRICT AVA



LAURELWOOD DISTRICT AVA

ESTABLISHED IN 2020
THE 33,600-ACRE LAURELWOOD DISTRICT COVERS THE NORTHERN SLOPES OF THE CHEHALEM MOUNTAINS AVA INCLUDING CORNELIUS, SCHOLLS AND SHERWOOD. IT IS DIFFERENTIATED BY ITS LAURELWOOD SOILS, IRON-RICH MISSOULA FLOOD LOESS SOIL



YAMHILL- CARLTON AVA

- 30 MILES SW OF PORTLAND
- NORTH OF MCMINNVILLE THE LAND GENTLY RISES TO THE TOWNS OF CARLTON AND YAMHILL.
- LOW RIDGES SURROUND THE TWO COMMUNITIES OF YAMHILL & CARLTON IN A HORSESHOE SHAPE.
- MOSTLY A SOUTH-FACING BOWL CONTAINING A SERIES OF ERODED HILLS EAST OF THE HIGHER-ELEVATION COAST RANGE
- THE BENCHLANDS AND HILLSIDES OF THE AVA ARE WHERE THE VINEYARDS LIE ON A MIXTURE OF SOILS.
 - OLD MARINE DEPOSITS WITH A MIXTURE OF SANDSTONE AND BASALT
 - 2500 ACRES PLANTED WITH 110 VINEYARDS

CHEHALEM MTN. AVA

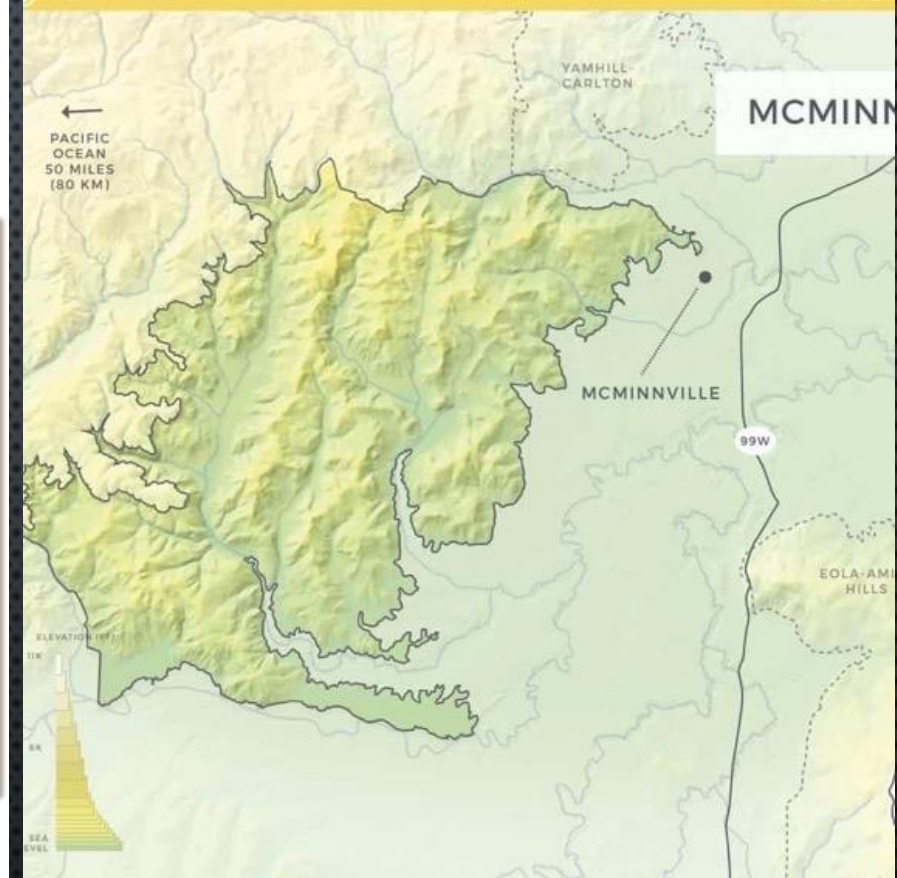
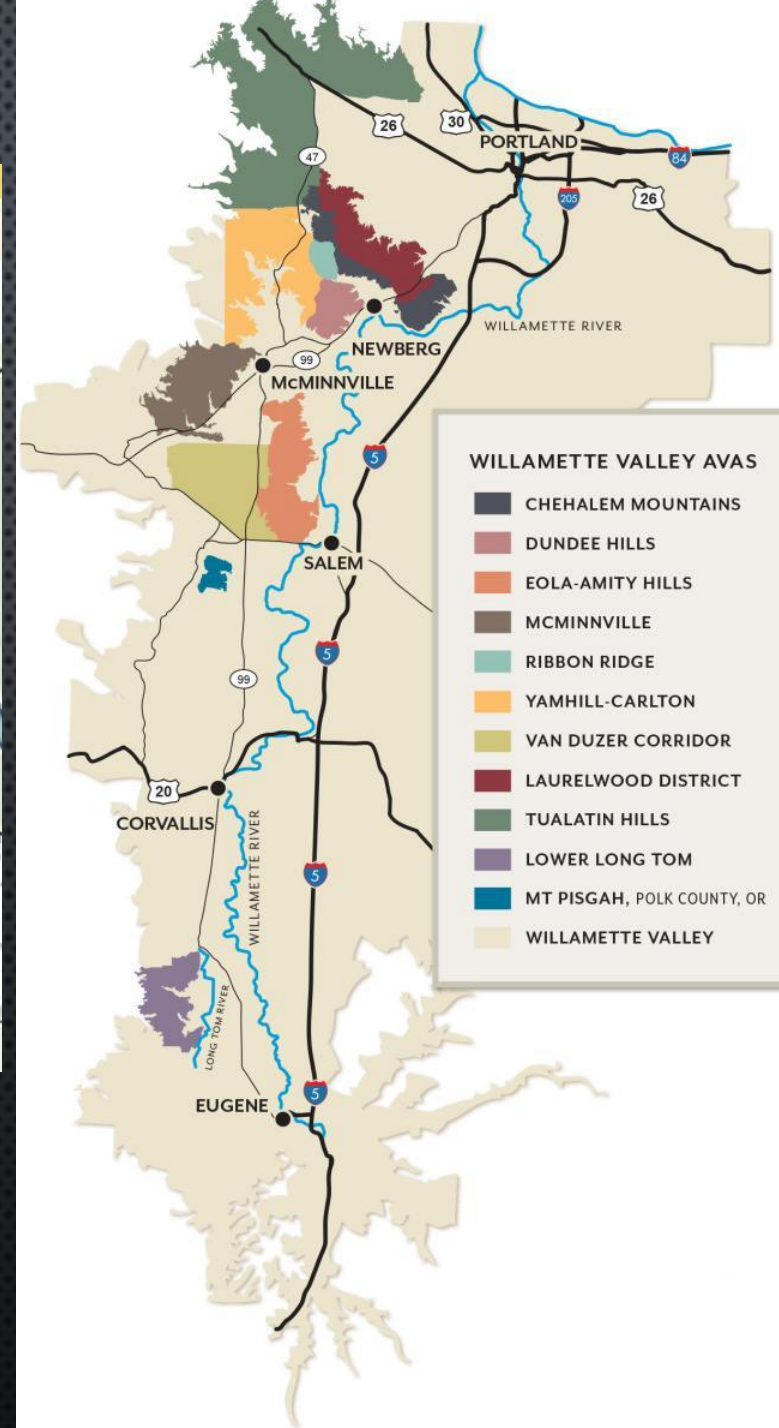
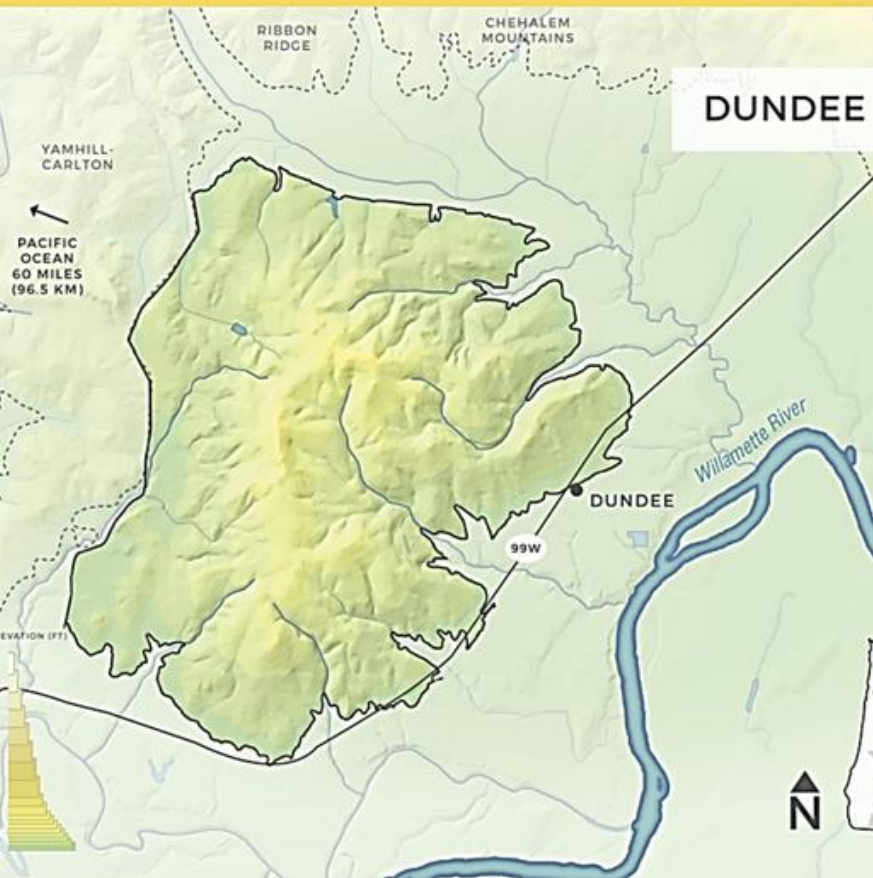
- 19 MILES SW OF PORTLAND
- ENCOMPASSING OVER 100 SQUARE MILES, INCORPORATES 3 COUNTIES (YAMHILL, WASHINGTON AND CLACKAMAS)
- VINEYARD ON THE CHEHALEM MOUNTAINS DATES BACK TO 1968, WHEN DICK ERATH PURCHASED 49 ACRES AND PLANTED PINOT NOIR AND PINOT GRIS
- THE CHEHALEM MOUNTAINS WERE FORMED BY UPLIFTED SEDIMENTARY SEABEDS, LAVA FLOWS, AND WIND-BLOWN SILT, RESULTING IN SOME OF THE MOST DIVERSE SOILS IN WINE COUNTRY.

DUNDEE HILLS AVA

- 28 MILES SW OF PORTLAND
- ENCOMPASSES 6,490 ACRES
- GEOLOGY DATING BACK 15 MILLION YEARS WHEN LAVA FLOWED FROM NE OREGON AND PUSHED INTO THE WILLAMETTE VALLEY, COVERING ALL BUT THE HIGHEST HILLS WITH UP TO 1,000 FEET OF BASALT.
- MISSOULA FLOODS DEPOSITED A BLANKET OF SEDIMENT BELOW THE 200 FT ELEVATION
- RED VOLCANIC HILLS ABOVE THE SMALL TOWN OF DUNDEE WERE SPARED
- THE 200 FT CONTOUR LINE DEFINES THE DUNDEE HILLS AVA

MCMINNVILLE AVA

- 40 MILES SW OF PORTLAND
- 1600 ACRES OF WINE GRAPES PLANTED
- PRIMARILY EAST AND SOUTH FACING SLOPES ON THE COAST RANGE FOOTHILLS
- VINEYARDS SIT AT HIGHER ELEVATIONS AND ARE PROTECTED BY THE COAST RANGE.
- MARINE SEDIMENTARY AND BASALT ARE THE MOST COMMON SOIL TYPES
- HARDER ROCK AND COMPRESSED SEDIMENTS OF BASALT PEBBLES AND STONE ARE FOUND UNDER AN AVERAGE 20–40-INCH SOIL DEPTH



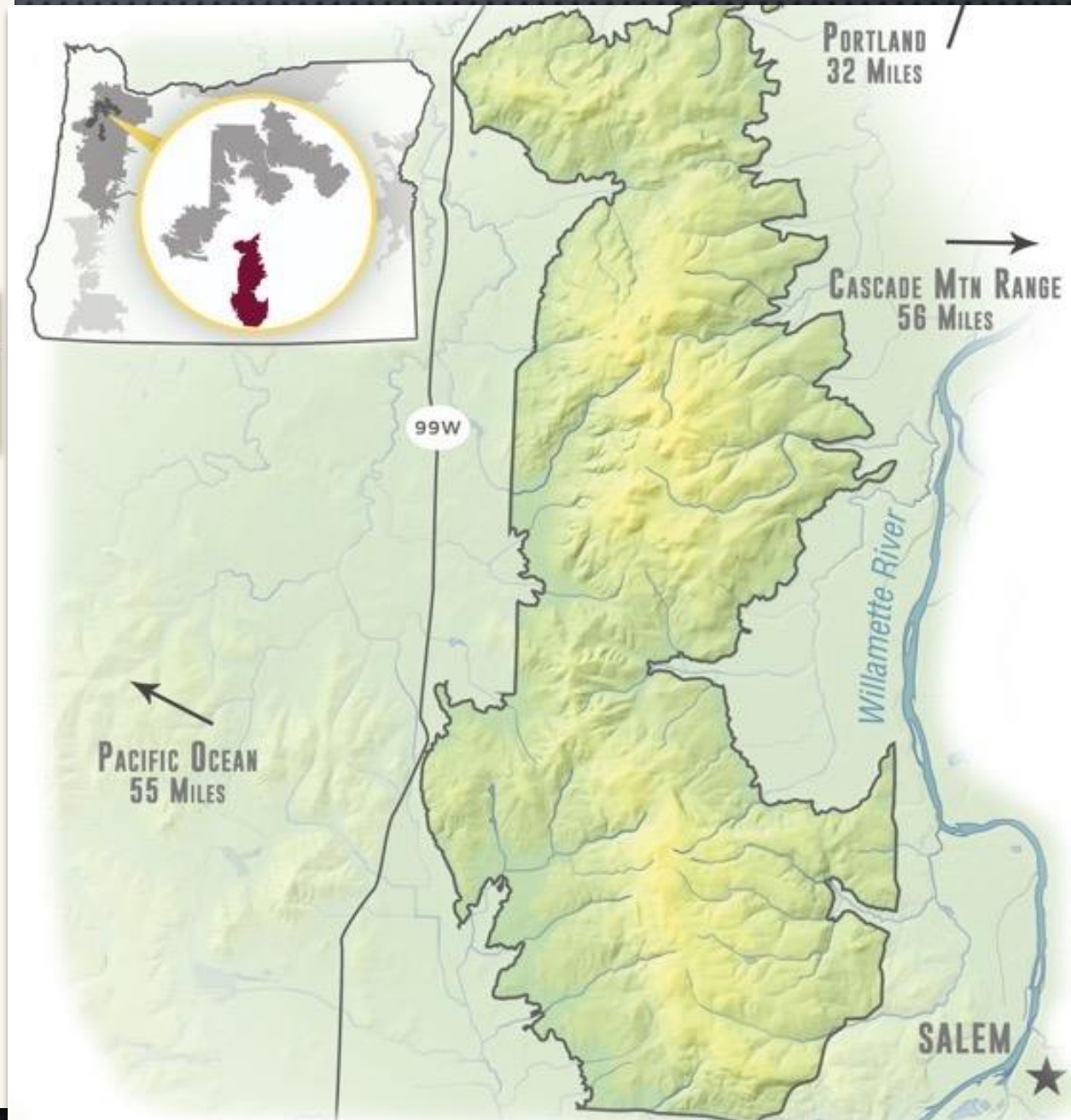
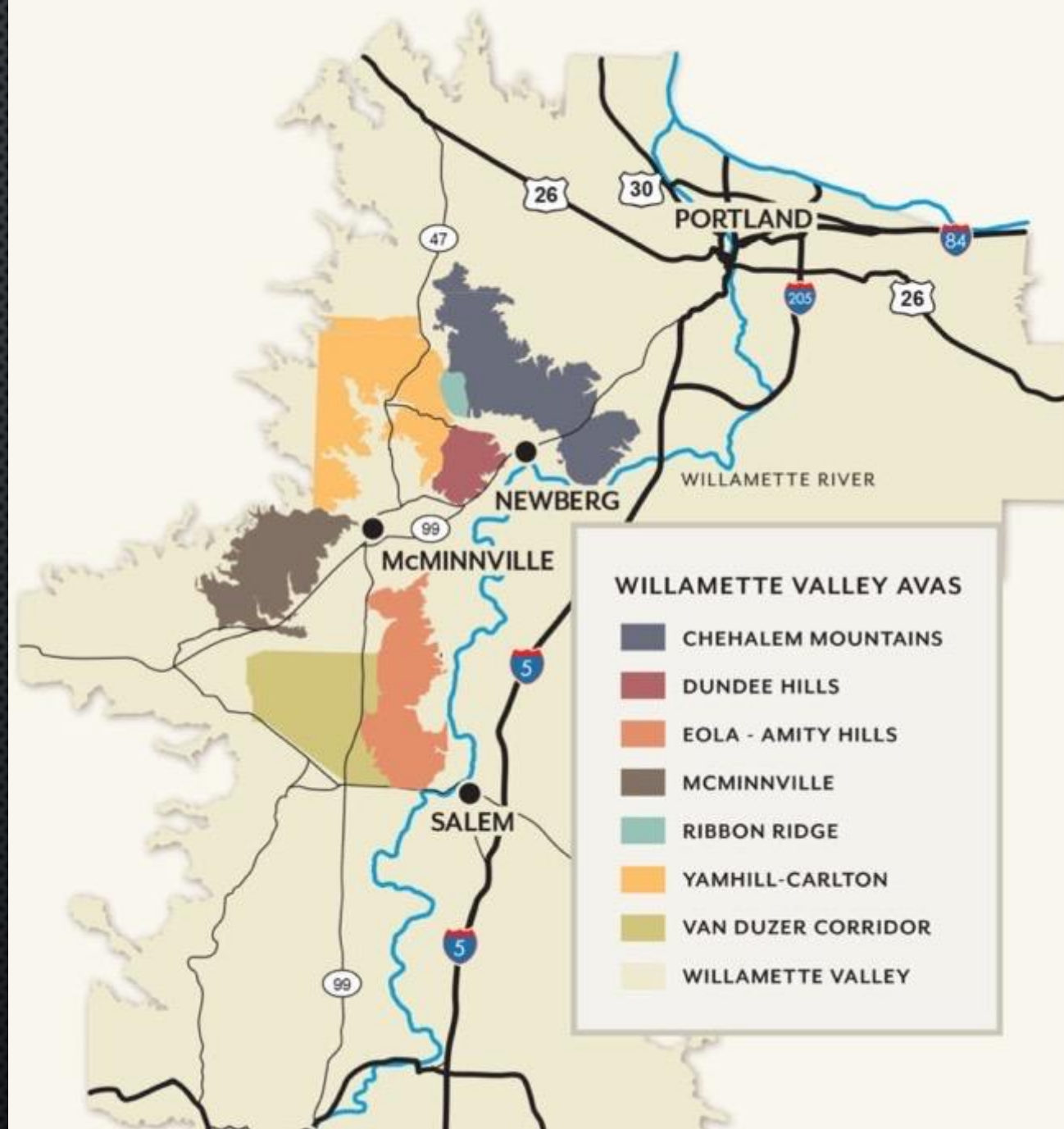
RIBBON RIDGE AVA

- 34 MILES SW OF PORTLAND
- RIBBON RIDGE WAS GIVEN ITS NAME BY COLBY CARTER, AN EARLY SETTLER WHO CAME FROM MISSOURI IN 1865. THE TOP OF THE RIDGE TWISTS LIKE A RIBBON
- A DISTINCT FARMING DISTRICT SINCE AT LEAST 1888
- A SEPARATE LAND MASS BROKEN FREE FROM OTHER UPLIFTS AND HILLSIDES
- THE CHEHALEM CREEK VALLEY DRAMATICALLY SEPARATES THE VITICULTURAL AREA FROM THE COAST RANGE HILLSIDES
- SOILS ARE RELATIVELY UNIFORM - MARINE SEDIMENTARY AND FINE TEXTURED
- SPECIFICALLY, RIBBON RIDGE IS A DISTINCT, NATURAL, GEOLOGICAL FORMATION OF EASTWARD-TILTED MARINE SEDIMENTARY STRATA

EOLA-AMITY AVA

- 32 MILES SW OF PORTLAND
- STRETCHING FROM THE CITY OF AMITY IN THE NORTH TO SALEM IN THE SOUTH. THERE ARE OVER 100 VINEYARDS ON A MIX OF JURY AND WILLAKENZIE SOILS
- ELEVATIONS SPAN VALLEY FLOOR TO 600 FT HILLSIDES WITH GENTLE SLOPES AND LOW FERTILITY
- OVER 2,850 ACRES ARE PLANTED
- 30 COMMERCIAL WINERIES ARE NOW PRODUCING WINE IN THE REGION.

EOLA-AMITY AVA



VAN DUZER CORRIDOR AVA

50 MILES SW OF PORTLAND AND 40 MILES E OF THE PACIFIC OCEAN.

ESTABLISHED: 2019

TOTAL AREA: 59,850 ACRES (24,220 HA)

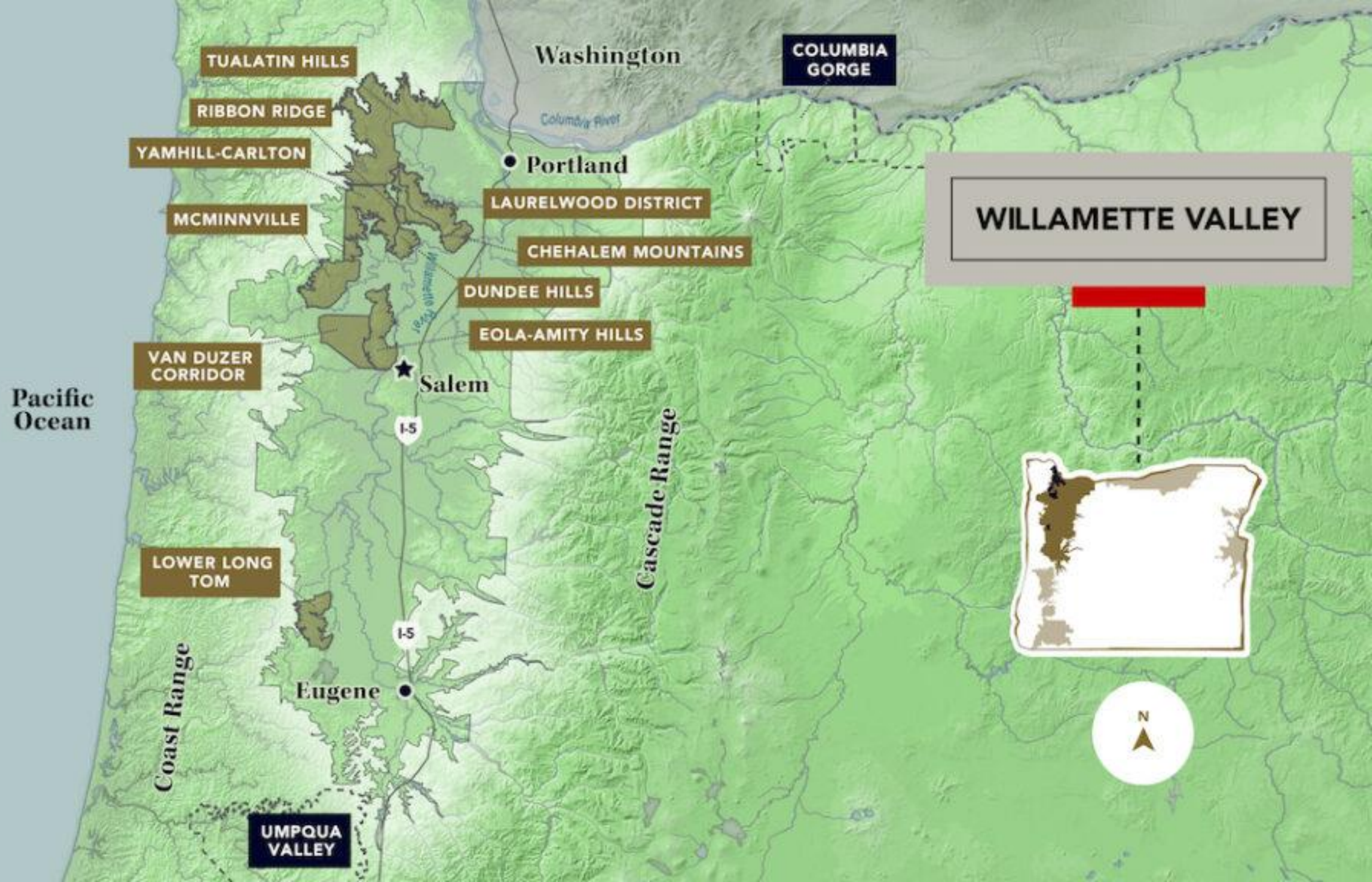
PLANTED AREA: 1,000 ACRES (405 HA)

PREDOMINANT VARIETIES: PINOT NOIR, CHARDONNAY, PINOT GRIS, RIESLING, PINOT BLANC, SAUVIGNON BLANC

PREDOMINANT SOILS: MARINE SEDIMENTARY

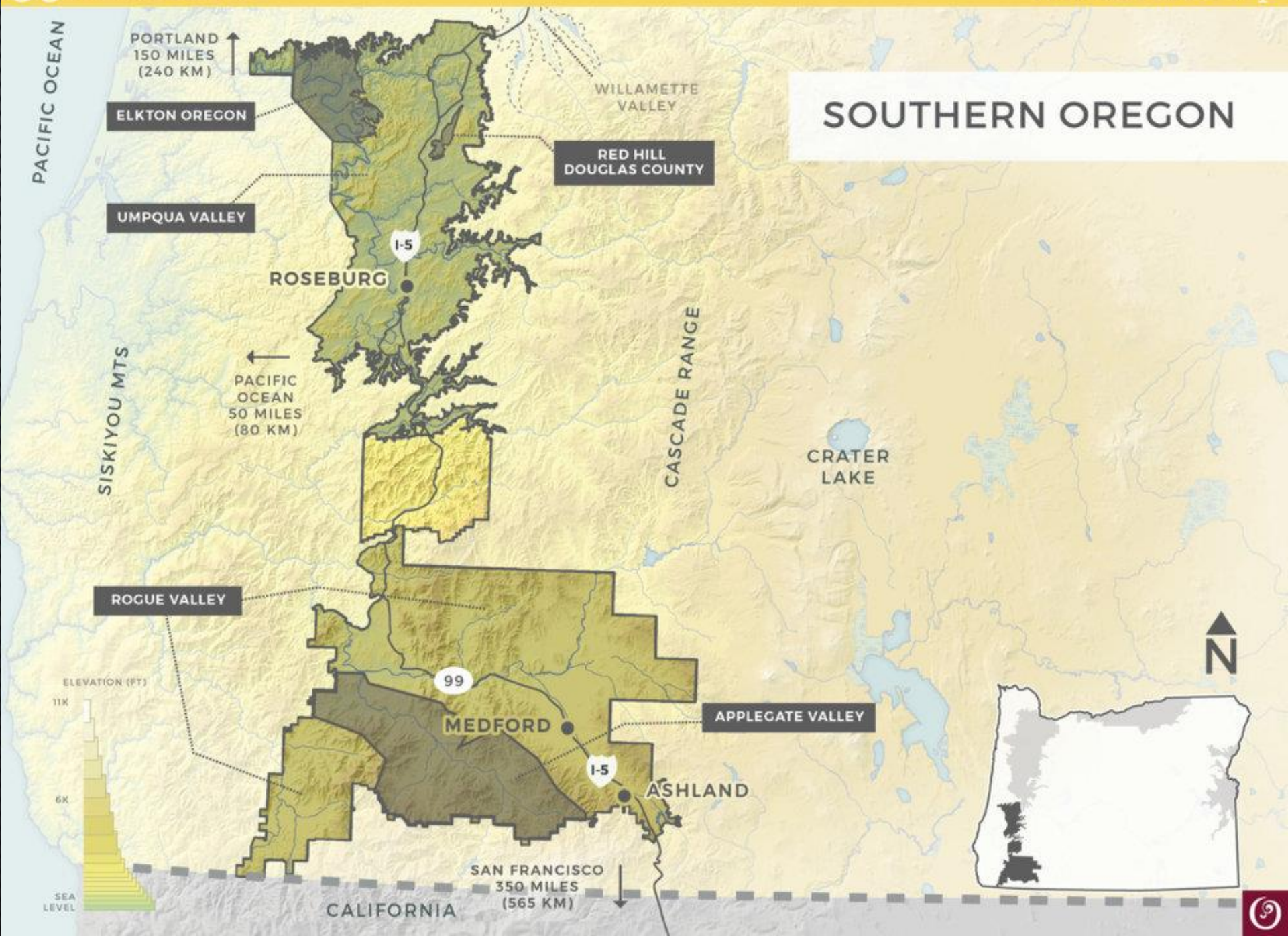
- VAN DUZER CORRIDOR ALLOWS COOL WINDS TO COME FROM THE COAST RANGE AND FUNNEL INTO THE VALLEY
- THIS CREATES A COOLING EFFECT IN THE EARLY AFTERNOON.
- WITHIN THE 35.9 SQUARE MILE TRIANGLE THAT COMPOSES THE VAN DUZER CORRIDOR, NEARLY 1,000 ACRES ARE OCCUPIED BY 18 COMMERCIAL VINEYARDS AND 6 BONDED WINERIES.

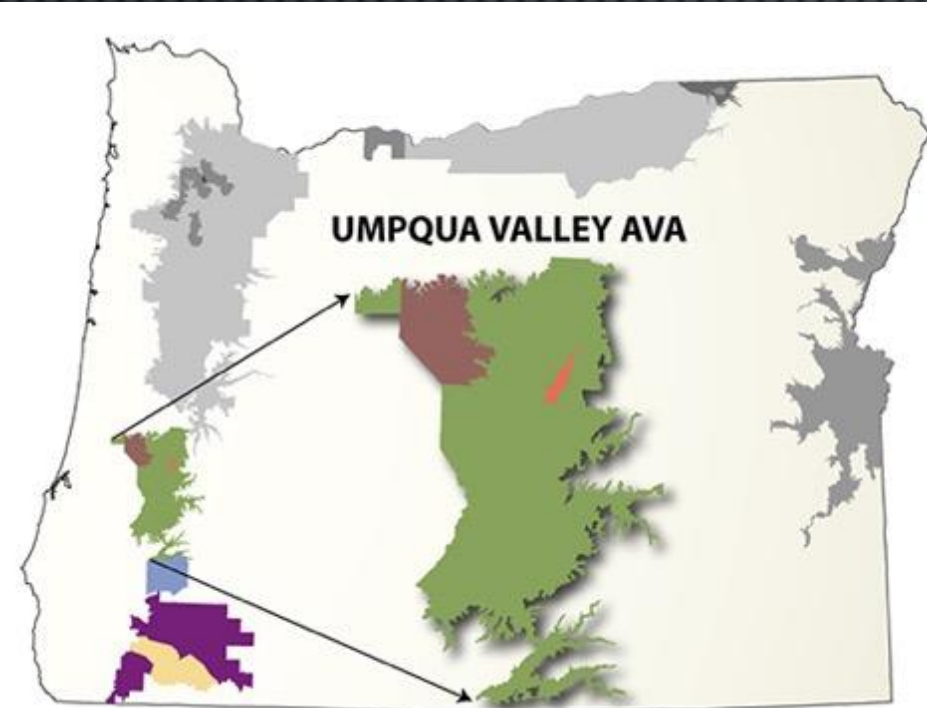




SOUTHERN OREGON AVAS

- SW PORTION OF THE STATE
- 125 MILES SOUTH OF EUGENE TO THE CALIFORNIA BORDER
- 60 MILES AT ITS WIDEST BETWEEN THE CASCADE MOUNTAIN RANGE TO THE EAST AND THE COAST RANGE TO THE WEST.
- THESE AVAS LIE WITHIN:
 - **APPLEGATE VALLEY**
 - **ELKTON**
 - **RED HILL DOUGLAS COUNTY**
 - **ROGUE VALLEY**
 - **UMPQUA VALLEY**
- GROWING BOTH COOL-AND WARM-CLIMATE VARIETIES.
- **SOILS:** SOUTHERN OREGON'S SOILS ARE VARIED AND COMPLEX, GENERALLY DERIVED FROM BEDROCK,
- PREDOMINATELY IRON RICH JURY CLAYS AND BASALT STREWN WITHIN
- TOPOGRAPHY IS VARIED, MOUNTAINS WITH VINEYARDS SITUATED AT HIGH ELEVATION BETWEEN 1,000 TO 2,000 FT MOST AREAS CONTAIN A MIXTURE OF SOILS
- MOST VARIETIES PLANTED ARE BORDEAUX AND RHONE GRAPES, COOL AREAS STILL PLANT PINOT NOIR, PINOT GRIS AND CHARDONNAY

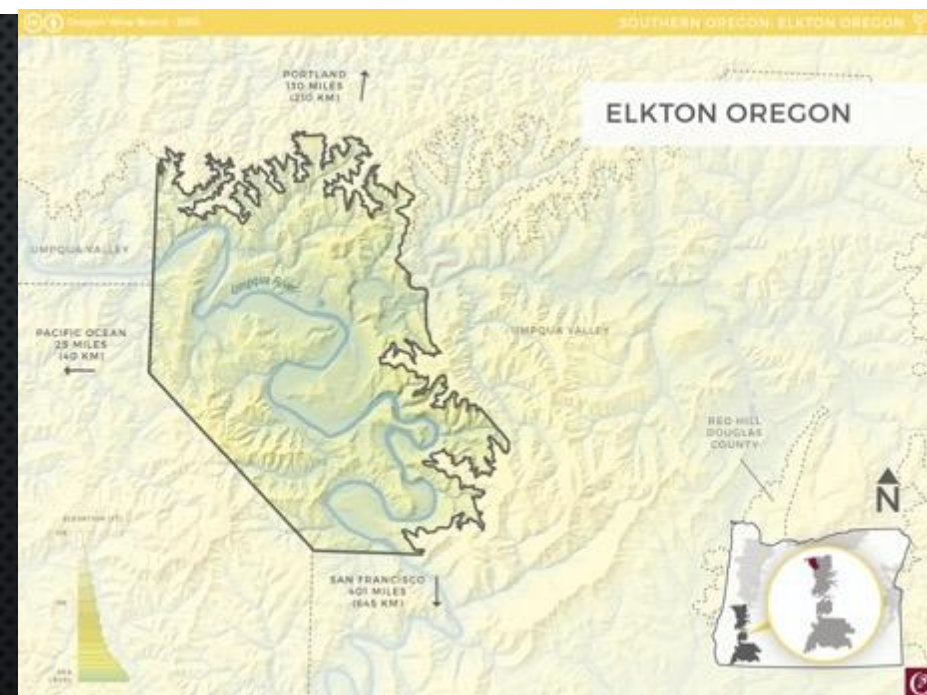




UMPQUA VALLEY

THE COMPLEX TOPOGRAPHY AND RICH DIVERSITY OF LANDSCAPES AND CLIMATES, ALLOWS FOR A WIDE RANGE OF CONDITIONS AND AN ARRAY OF GRAPE VARIETIES. THE COOLER VALLEYS GROW PINOT NOIR AND PINOT GRIS. HOT CLIMATE FURTHER INLAND IS PLANTED TO SYRAH AND GRENACHE. OVERALL DRIER AND WARMER THAN NORTHERN AVAS

RED HILL DOUGLAS COUNTY IS CONTAINED WITHIN THE UMPQUA VALLEY AVA, NEAR THE SMALL TOWN OF YONCALLA - ABOUT 30 MILES NORTH OF ROSEBURG



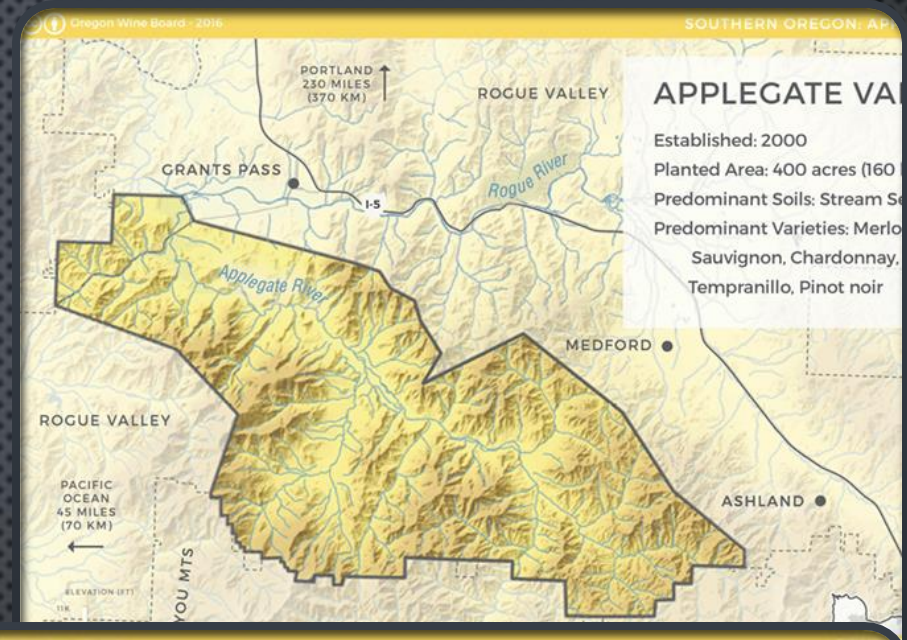
ELKTON AVA IS THE COOLEST AND WETTEST AREA IN SOUTHERN OREGON

AVA IS ENTIRELY WITHIN **UMPQUA VALLEY** AND IS NEARLY 75,000 ACRES IN SIZE, WITH APPROXIMATELY 80 ACRES OF WINE GRAPES PLANTED.

APPLEGATE VALLEY

PICTURESQUE VALLEY IS HOME TO SMALL WINERIES WITH BORDEAUX AND RHONE STYLED WINES.

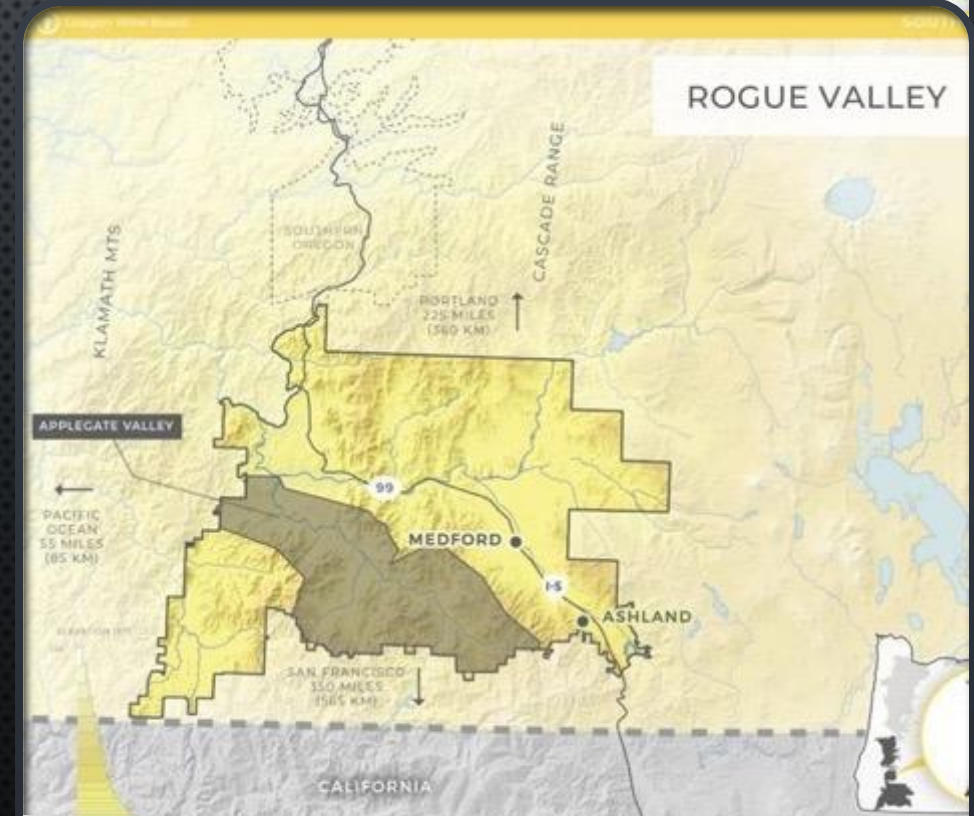
MANY OF RIVERS AND LAKES IN THIS AREA COOL AND MODERATE THE HEAT AND ALLOW FOR DIURNAL SHIFTS.



ROGUE VALLEY

RUGGED MOUNTAIN VALLEYS AND DIVERSE CLIMATES

WIDE VARIETY OF GRAPES FROM PINOT NOIR AND CHARDONNAY AND TEMPRANILLO TO VIOGNIER





BREAK TIME!

A.V.A

AMERICAN VITICULTURAL AREA

- GEOGRAPHICALLY DEFINED
- REGULATED BY THE TTB

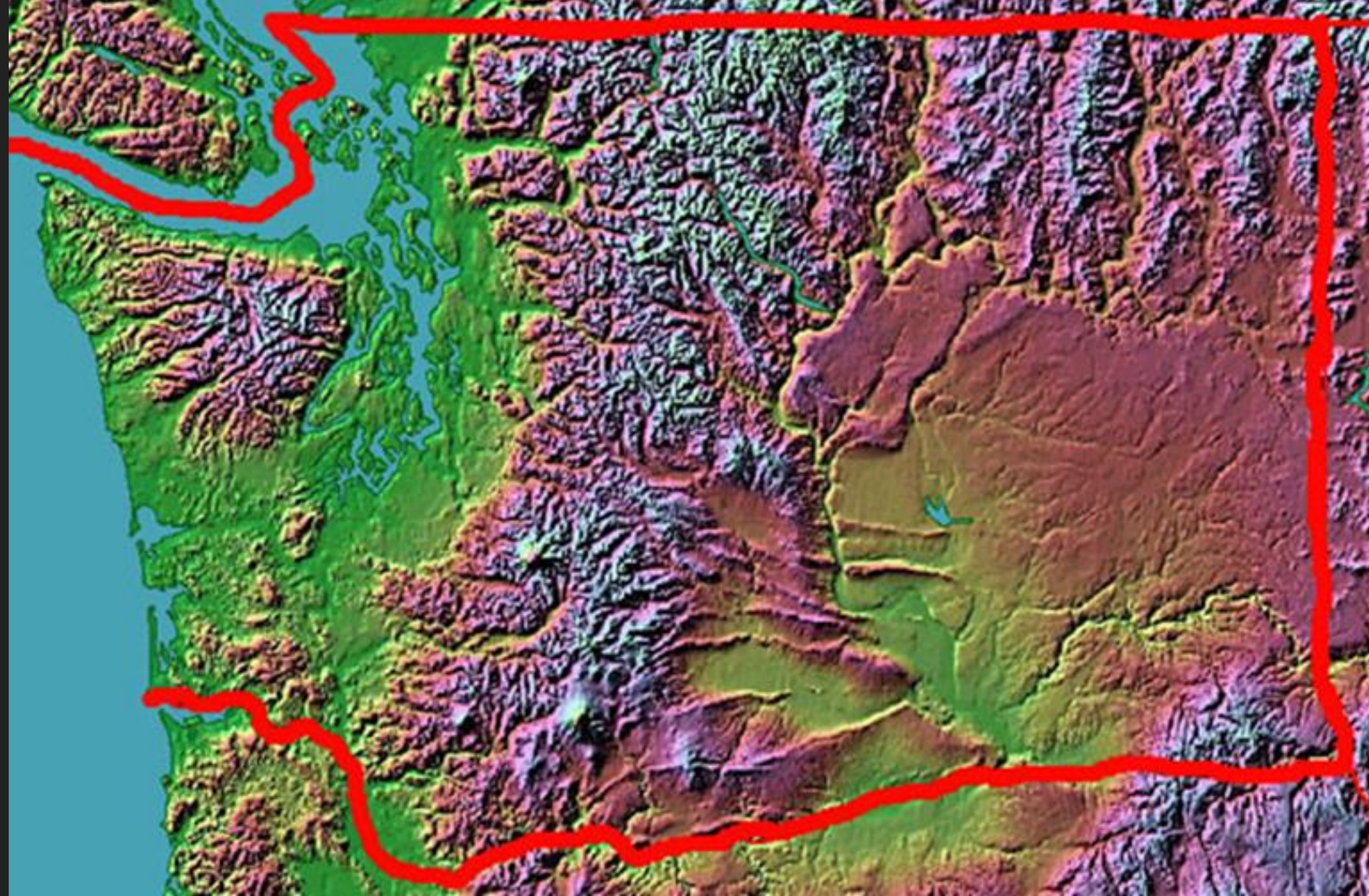
261 ESTABLISHED AVAS IN THE UNITED STATES.

CALIFORNIA HAS THE MOST AVAS, WITH **139**

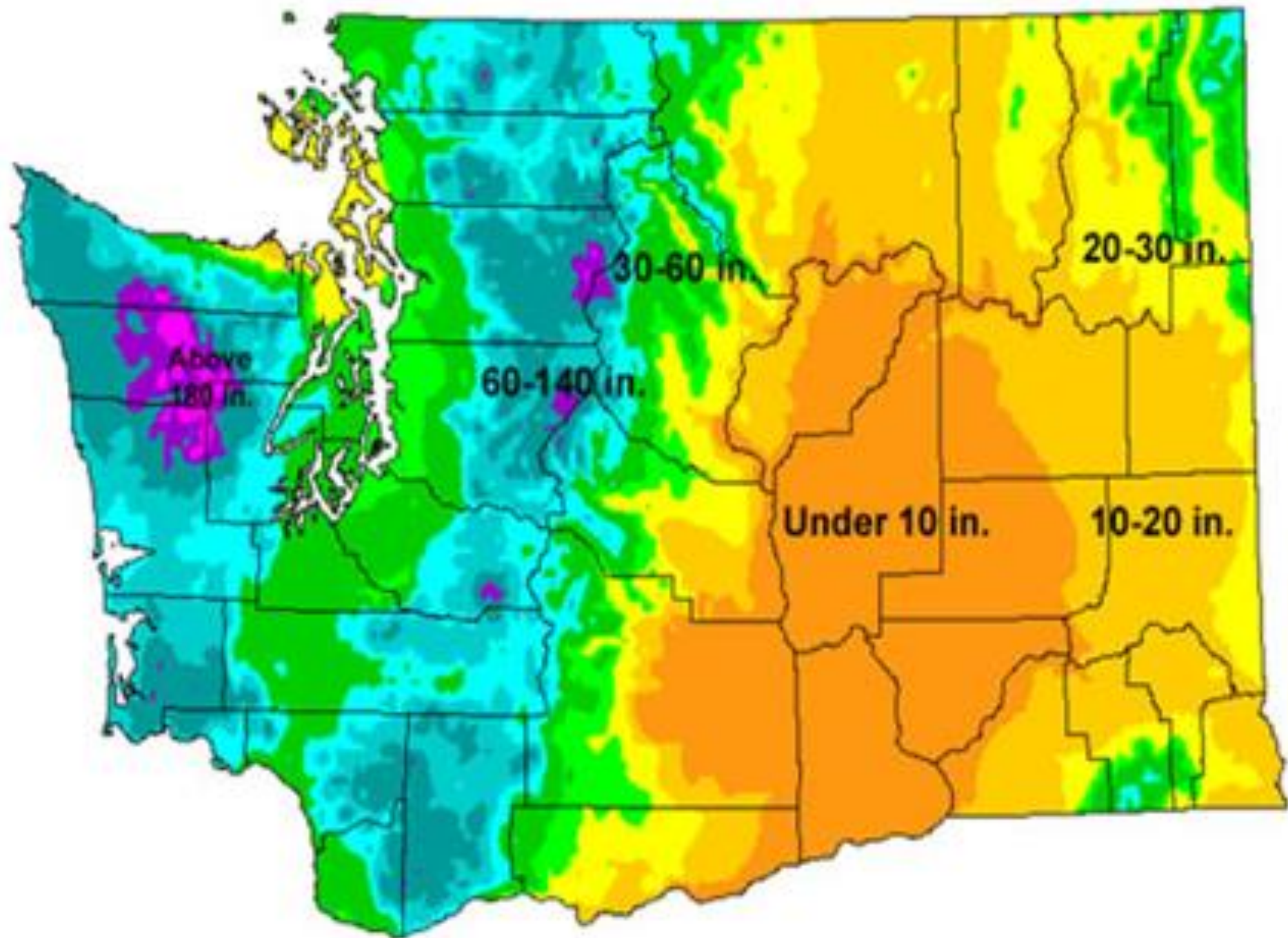
WASHINGTON STATE: 21 AVAs

- **MOST RECENT AVA:** BEVERLY
- APPROVED IN OCTOBER 2024









WASHINGTON WINE TIMELINE



1825

First Grapes Planted

Washington's first grapes are planted at Fort Vancouver by the **Hudson's Bay Company**.



1914 Important vineyards spring up,

in the Yakima Valley —most notably the vineyards of **W.B. Bridgman** of Sunnyside.

1940

Dr. Walter Clore,

"The Father of Washington Wine," begins trials of grape varieties in eastern Washington to determine what would grow where and under what conditions. Later, he works closely with WSU scientist Chas Nagel to make research wines.



1903

Large-scale irrigation, fueled by runoff from the melting snow-caps of the Cascade Mountains, begins in eastern Washington.



1933



1960.

Commercial vineyards are planted in Washington.



1967

Ste. Michelle Vintners is established.

Now known as Chateau Ste. Michelle, it is Washington's largest winery.



1983

Yakima Valley AVA is established

as Washington's first American Viticultural Area (AVA).

1962

Associated Vintners is established, later becoming Columbia Winery.



1970

10 wineries





1998

Taste Washington

takes place in Seattle for the first time, later becoming the nation's largest single-region food and wine festival.

2001

100 wineries milestone



2015

Wine Science Center

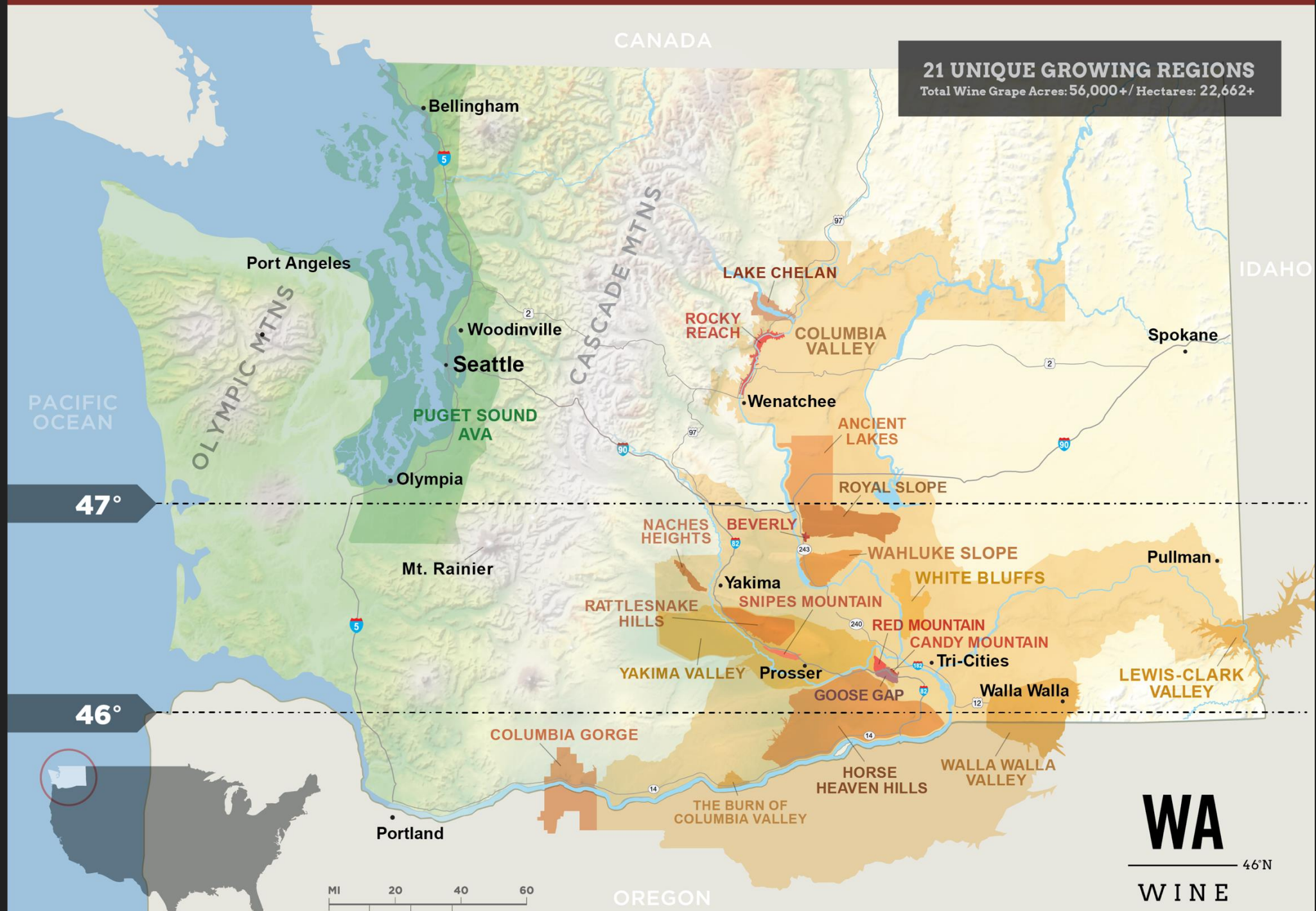
The state-of-the-art, industry-funded Ste. Michelle Wine Estates WSU Wine Science Center opens in Richland, WA.



2019

1,000 wineries





COLUMBIA VALLEY

- ESTABLISHED AS AN AVA IN 1984
- WASHINGTON'S LARGEST VITICULTURAL REGION, COVERING 8,748,949 ACRES, 1/3 OF WASHINGTON STATE'S LAND MASS AND CROSSES THE BORDER INTO OREGON STATE.
- THE COLUMBIA VALLEY CONTAINS 99% OF WINE GRAPES GROWN IN WASHINGTON STATE: 59,234 ACRES. SHARED WITH OREGON AS THE BORDER CROSSES THE RIVER.
- MANY MESO- AND MICRO-CLIMATES PREVAIL DUE TO THE VAST SIZE.
- RIESLING, MERLOT, CHARDONNAY, SYRAH AND CABERNET SAUVIGNON ARE THE MOST WIDELY PLANTED VARIETALS.
- GROWING SEASON OF 180-200 DAYS WITH ANNUAL RAINFALL AVERAGING 6 TO 8 INCHES
- **THE COLUMBIA VALLEY CONTAINS THESE AVAS WITHIN:**
 - RED MOUNTAIN, YAKIMA VALLEY, WALLA WALLA VALLEY, WAHLUKE SLOPE, RATTLESNAKE HILLS, HORSE HEAVEN HILLS, SNIPES MOUNTAIN, LAKE CHELAN, NACHES HEIGHTS, ANCIENT LAKES, CANDY MOUNTAIN, ROYAL SLOPE, THE BURN, WHITE BLUFFS AND GOOSE GAP.
- LEWIS-CLARK VALLEY, PUGET SOUND AND COLUMBIA GORGE, ARE NOT SUB-APPELLATIONS OF THE COLUMBIA VALLEY.

THE COOL APPELLATIONS

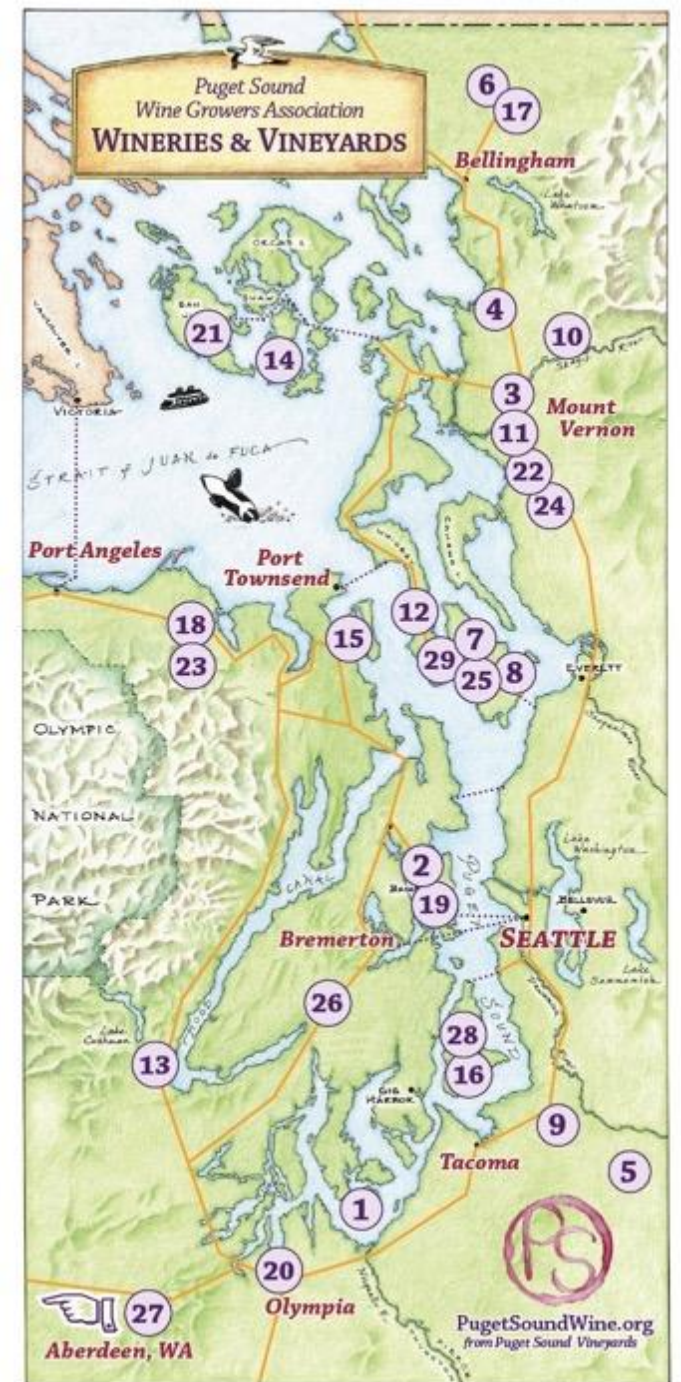
COLUMBIA GORGE AVA

PUGET SOUND AVA

- MARITIME CLIMATE - TEMPERATE, NO/LITTLE FROST ISSUES
- GROWING SEASON- SHORT AND WARM-COOL TEMPS
- CLAY SOILS MIXED WITH SAND, SILT, BASALT IN PARTS
- 15 INCHES TO 60 INCHES OF RAINFALL ANNUALLY, - OCCURRING FROM NOVEMBER - APRIL
- 61% WHITE - 39% RED
- WHITES:
 - RIESLING
 - MADELINE ANGEVINE
 - SIEGEREBBE
 - MÜLLER THURGAU
 - PINOT GRIS
- LIGHTER STYLED RED WINES
 - PINOT NOIR
 - REGENT

- ALPINE-TYPE CLIMATE WITH ELEVATIONS UP TO 2000 FT BUT HOT /DRY IN THE EASTERN AREAS THAT LEAD TO DESERT-TYPE CLIMATE
- VERY STRONG WINDS THROUGHOUT THE REGION!
- SOILS ARE A MIXTURE OF CLAY, BASALT AND LOESS-LOAM
- AVERAGE RAINFALL IS 10 TO 36 INCHES
- LOCATED WITHIN A NATIONAL SCENIC AREA
- STRATTLES BOTH WA AND OR STATES AND CROSSES OVER THE COLUMBIA RIVER
- THE COOL/WET SIDE LIES WEST OF THE DALLES, OR - THE DRY/WARM SIDE EAST OF THE DALLES
- 64 % WHITE GRAPES - 36% RED GRAPES
- WHITES:
 - GEWURZTRAMINER
 - PINOT GRIS
 - ALBARIÑO
 - CHARDONNAY
- REDS:
 - PINOT NOIR
 - ITALIAN VARIETIES: NEBBIOLO, SANGIOVESE, BARBERA
 - CABERNET SAUVIGNON, SYRAH, ZINFANDEL

Puget Sound AVA Approved in 1995



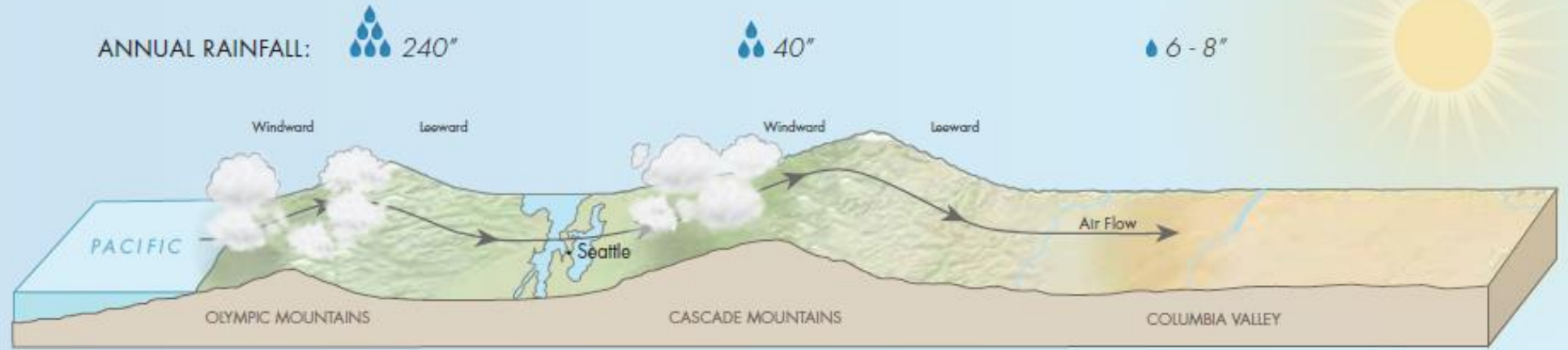


RAIN SHADOW EFFECT

The Columbia Valley is protected from wet weather systems by two major mountain ranges, the Olympics and the Cascades, creating the perfect climate for wine in the warm and dry eastern part of the state.



WASHINGTON STATE WINE



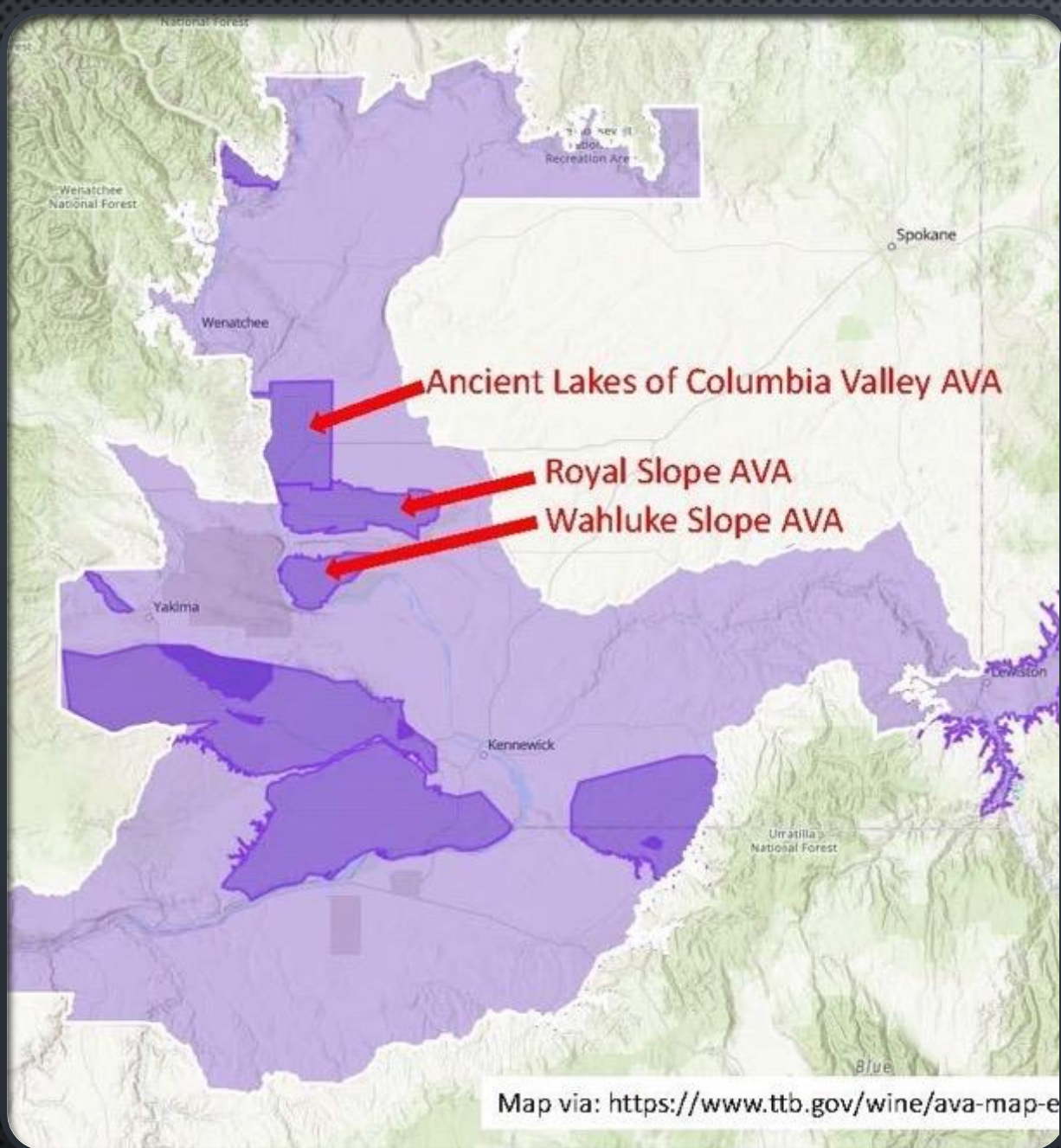
THE WARM APPELLATIONS

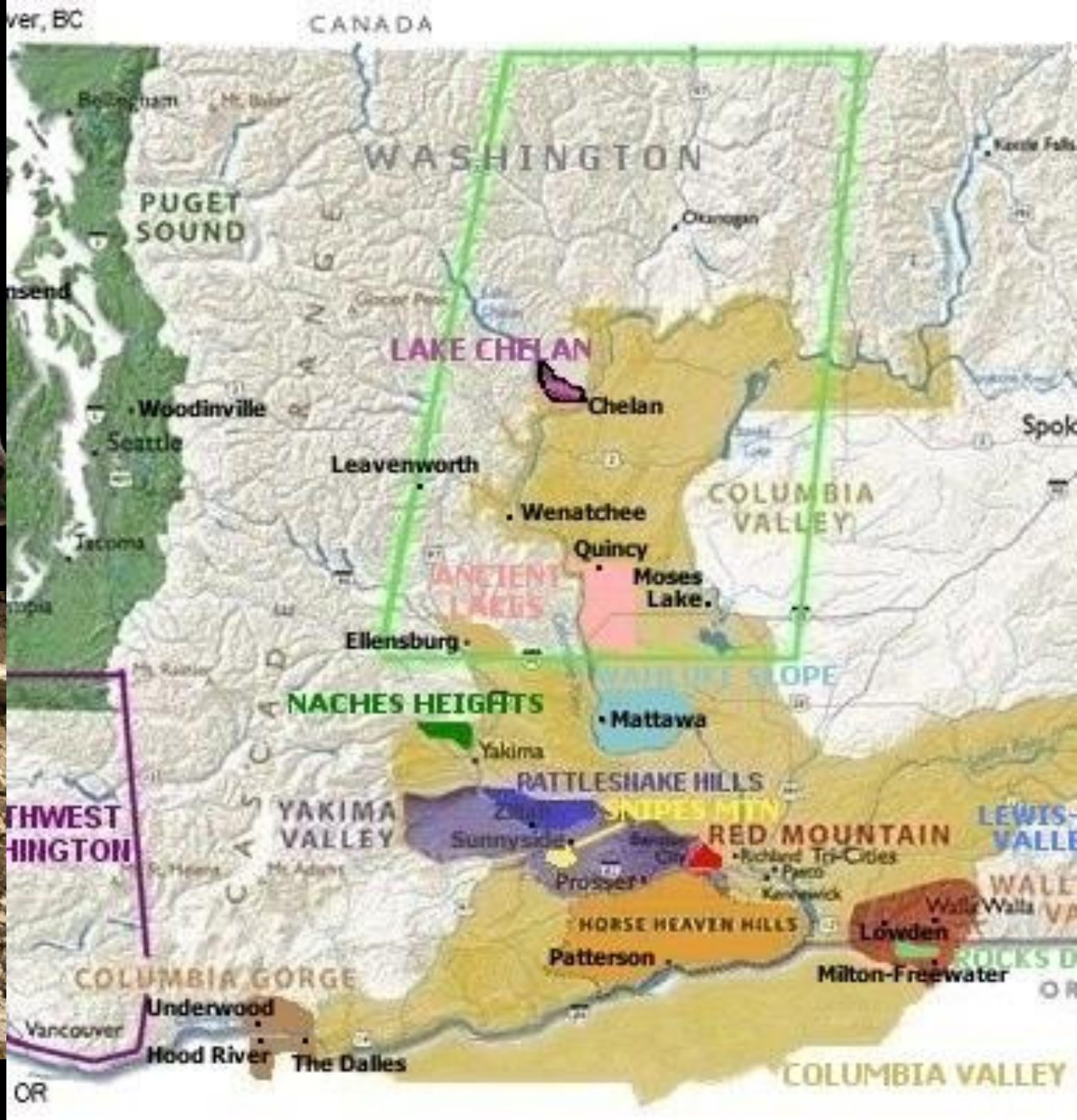
ROYAL SLOPE AVA

- CONTINENTAL CLIMATE - WARM-HOT AND DRY- 6-8 INCHES ANNUALLY
- LOOSE SAND, ROCKS, AND SILT MIXTURE ALLOWS FOR GOOD DRAINAGE
- ELEVATION 1200 FEET - ALLOWS FOR DIURNAL SHIFTS
- VERY COLD WINTERS - DORMANCY FOR VINES
- SITS BETWEEN ANCIENT LAKES AND WAHLUKE SLOPE
- MOSTLY RED GRAPES:
 - BORDEAUX VARIETIES: CABERNET SAUVIGNON, MERLOT, CABERNET FRANC, MALBEC, PETIT VERDOT
 - SANGIOVESE, TEMPRANILLO, PINOT NOIR
 - RHONE VARIETIES: CINSULT, GRENACHE, MOURVÈDRE, AND SYRAH.
- WHITES:
 - CHARDONNAY, CHENIN BLANC, GEWURZTRAMINER, PINOT GRIS, RIESLING, ROUSSANNE, SAUVIGNON BLANC, SEMILLON, AND VIOGNIER.

ANCIENT LAKES AVA

- CONTINENTAL CLIMATE - WARM/WINDY AND DRY- 6 INCHES ANNUALLY
- BASALT AND CALICHE ROCKS ARE IN THE SOILS.
- MISSOULA FLOODS STRIPPED THE TOP-SOILS ALONG THE WESTERN EDGE OF THE QUINCY VALLEY. DEPOSITS OF CALICHE LAY OVER THE BASALT. QUINCY LOAM AND WINDBLOWN LOESS SOILS LAY OVER THE ROCKS.
- 570 FT. AT THE EDGE OF THE COLUMBIA RIVER TO 1,912 FT.
- REDS:
 - SYRAH, MERLOT, CABERNET SAUVIGNON, MALBEC
- WHITES:
 - RIESLING, CHARDONNAY, AND PINOT GRIS
- FRENCHMAN HILLS LIE TO THE SOUTH, AND THE WESTERN SHORELINE OF THE COLUMBIA BORDERS THE WEST. THE GORGE AMPHITHEATRE SITS ON THE WESTERN EDGE OF THE AVA.





THE WARM APPELLATIONS

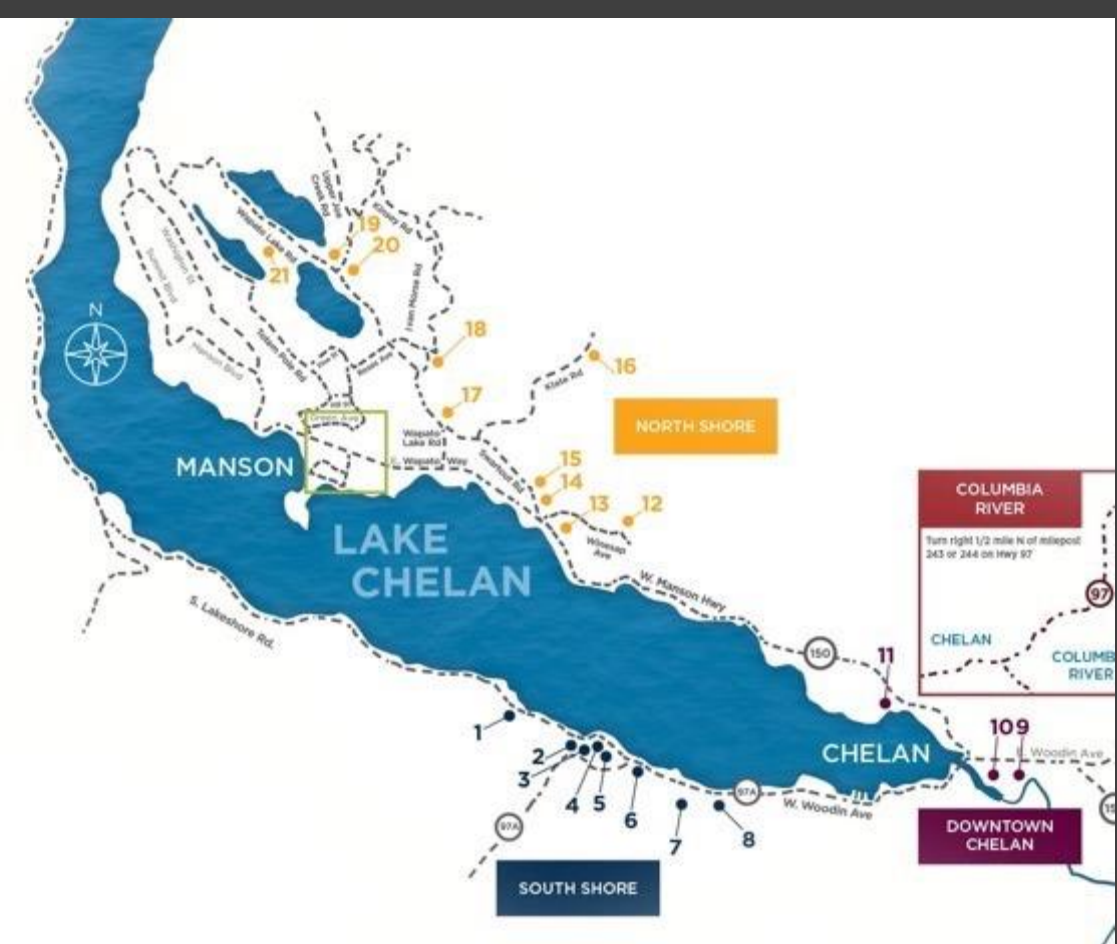
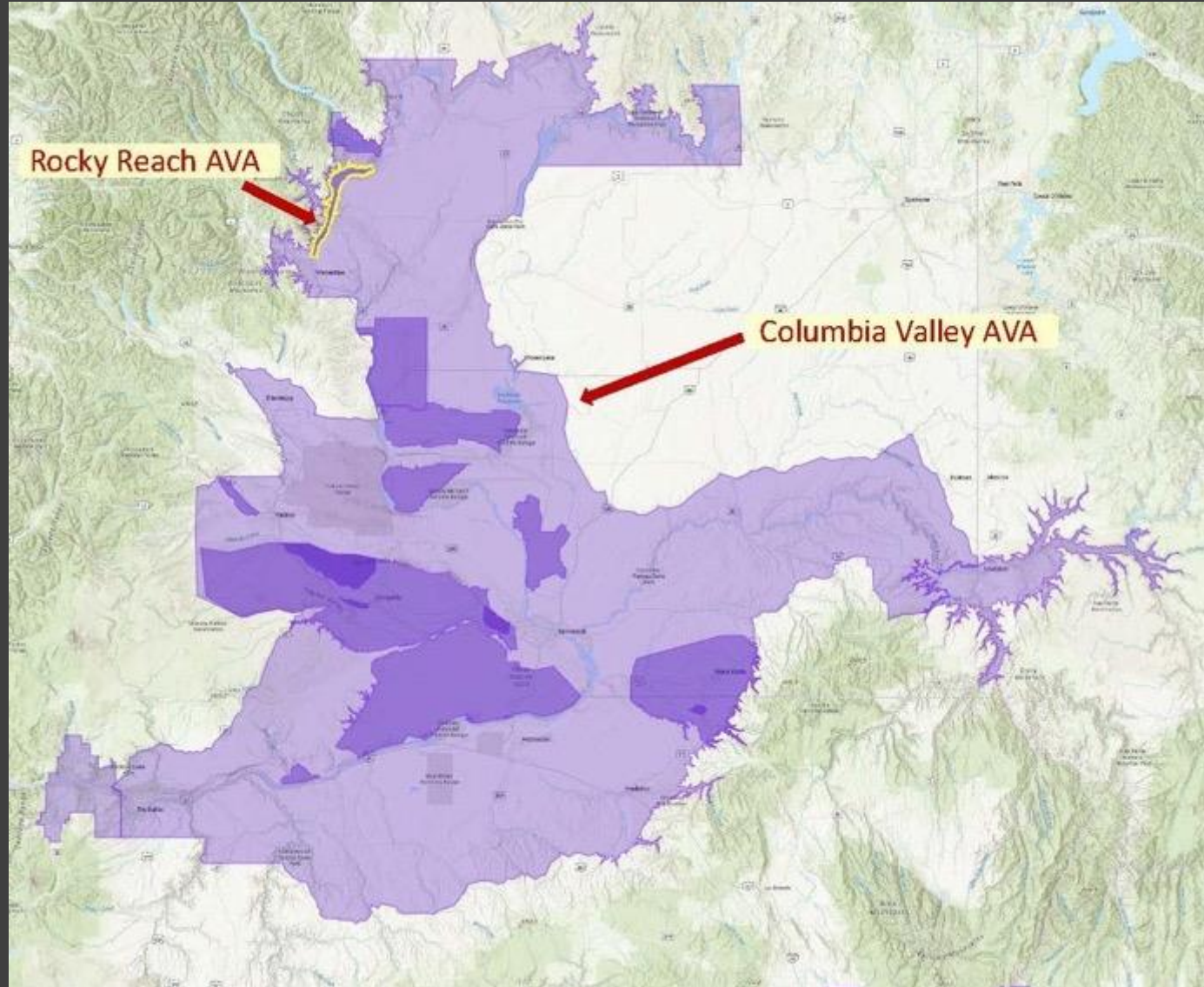
LAKE CHELAN AVA

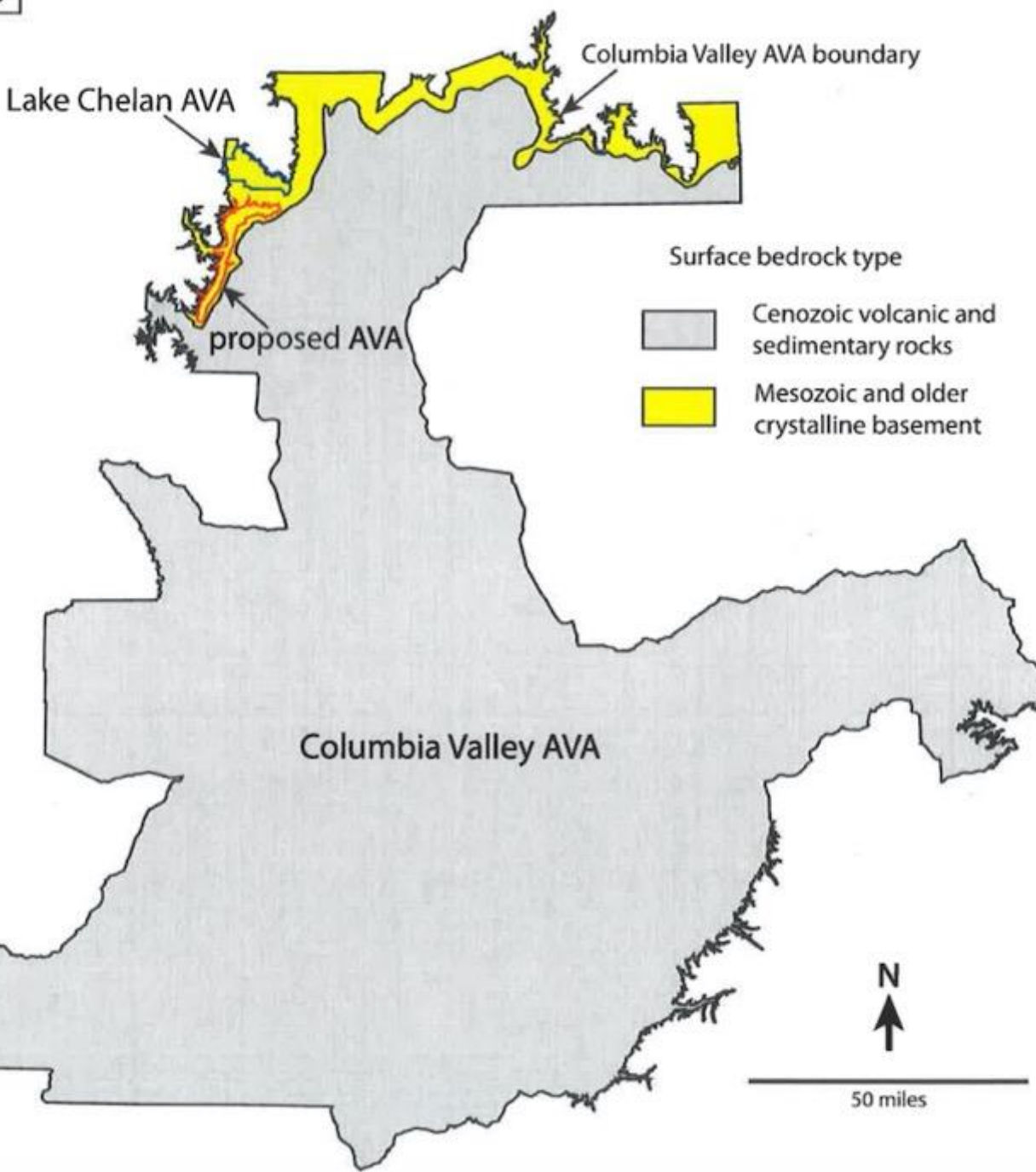
- CONTINENTAL CLIMATE - WARM-HOT GROWING SEASON, 6-8 INCHES ANNUALLY
- A LONG GROWING SEASON, SUNNY DAYS, AND LAKE-COOLED NIGHTS
- COARSE, SANDY GLACIAL SEDIMENTS WITH QUARTZ AND MICA
- HIGHER ELEVATIONS - WITH THE LAKE EFFECT - MODERATES CLIMATE
- VERY COLD WINTERS - DORMANCY FOR VINES
- SITS IN THE NORTHERN AREA OF THE COLUMBIA VALLEY
- 50% RED GRAPES:
 - MOST PLANTED GRAPES: PINOT NOIR, SYRAH, MERLOT, MALBEC, CABERNET SAUVIGNON, CABERNET FRANC,
- 50% WHITES GRAPES :
 - RIESLING, PINOT GRIS, GEWURZTRAMINER, CHARDONNAY

ROCKY REACH AVA

ESTABLISHED - JULY 2022

- CONTINENTAL CLIMATE - WARM-HOT GROWING SEASON, 6-8 INCHES ANNUALLY
- BETWEEN CHELAN AND WENATCHEE
- STRADDLES THE COLUMBIA RIVER
- COVERS 32,333 TOTAL ACRES
- THE COLUMBIA RIVER AND ROCKY REACH RESERVOIR MAKE UP APPROXIMATELY A QUARTER OF THE AREA.
- THERE ARE CURRENTLY EIGHT COMMERCIAL VINEYARDS COVERING 117 ACRES.
- **80% RED GRAPES:**
 - MOST PLANTED GRAPES: CABERNET SAUVIGNON, SYRAH, MERLOT,
 - 20% WHITES GRAPES :
 - CHARDONNAY



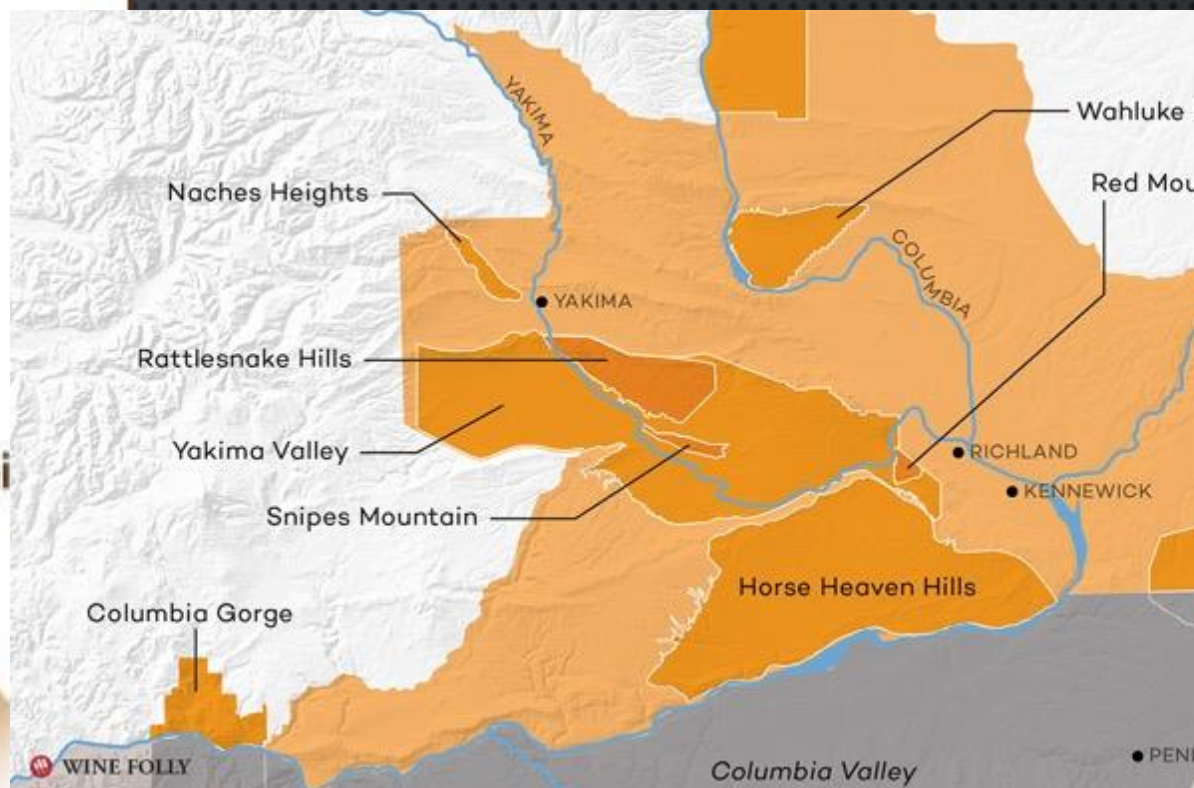
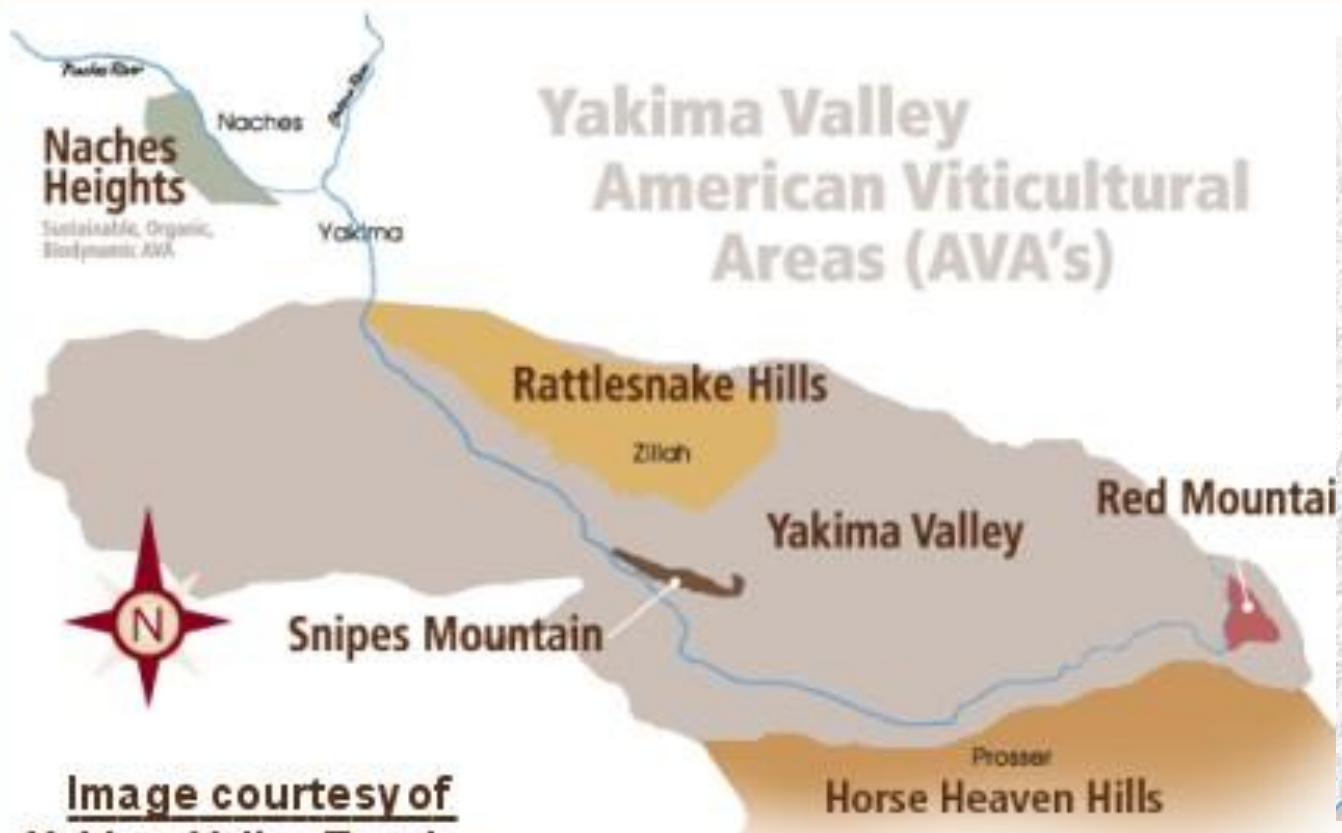
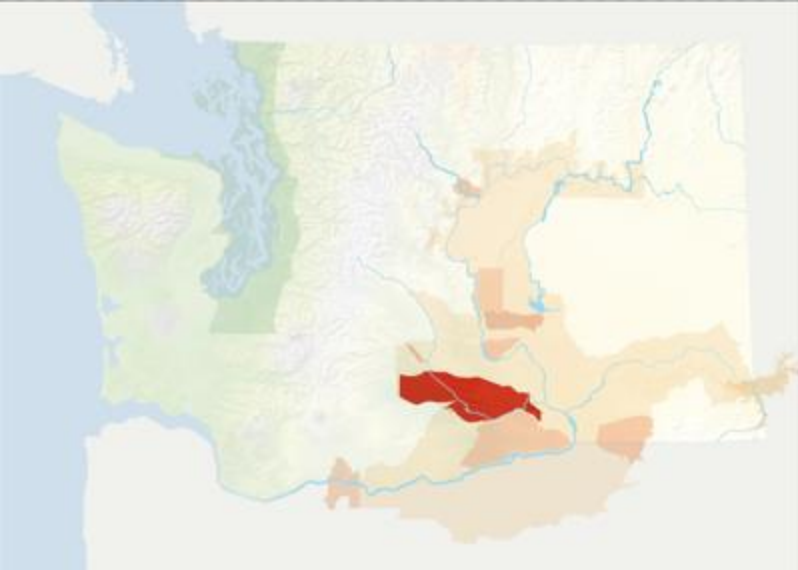


YAKIMA VALLEY AVA



- CONTINENTAL CLIMATE - WARM-HOT AND DRY, 6 -12 INCHES ANNUALLY
- SIGNIFICANT DIURNAL SHIFTS AND VERY DRAMATIC TEMPERATURE SWINGS 85-90F TO 50F
- SILT, LOAM, LOESS, AND COBBLE — EACH ALLOWS FOR GOOD DRAINAGE IN THE SOILS.
- ELEVATIONS CAN BE FOUND FROM 1,000 FEET TO 3,000 FEET ALLOWING FOR WIND MOVEMENT AND COOL AREAS
- REDS:
 - CABERNET SAUVIGNON, SYRAH, MERLOT, MALBEC AND CABERNET FRANC, GRENACHE, MOURVEDRE
 - SPANISH AND ITALIAN VARIETIES: TEMPRANILLO, NEBBIOLO, BARBERA, SANGIOVESE
- WHITES:
 - RIESLING, CHARDONNAY, PINOT GRIS, SAUVIGNON BLANC, GEWÜRZTRAMINER, ALBARIÑO

THE YAKIMA VALLEY AVA GROWS MORE THAN ONE-THIRD OF ALL WINE GRAPES IN WASHINGTON STATE.



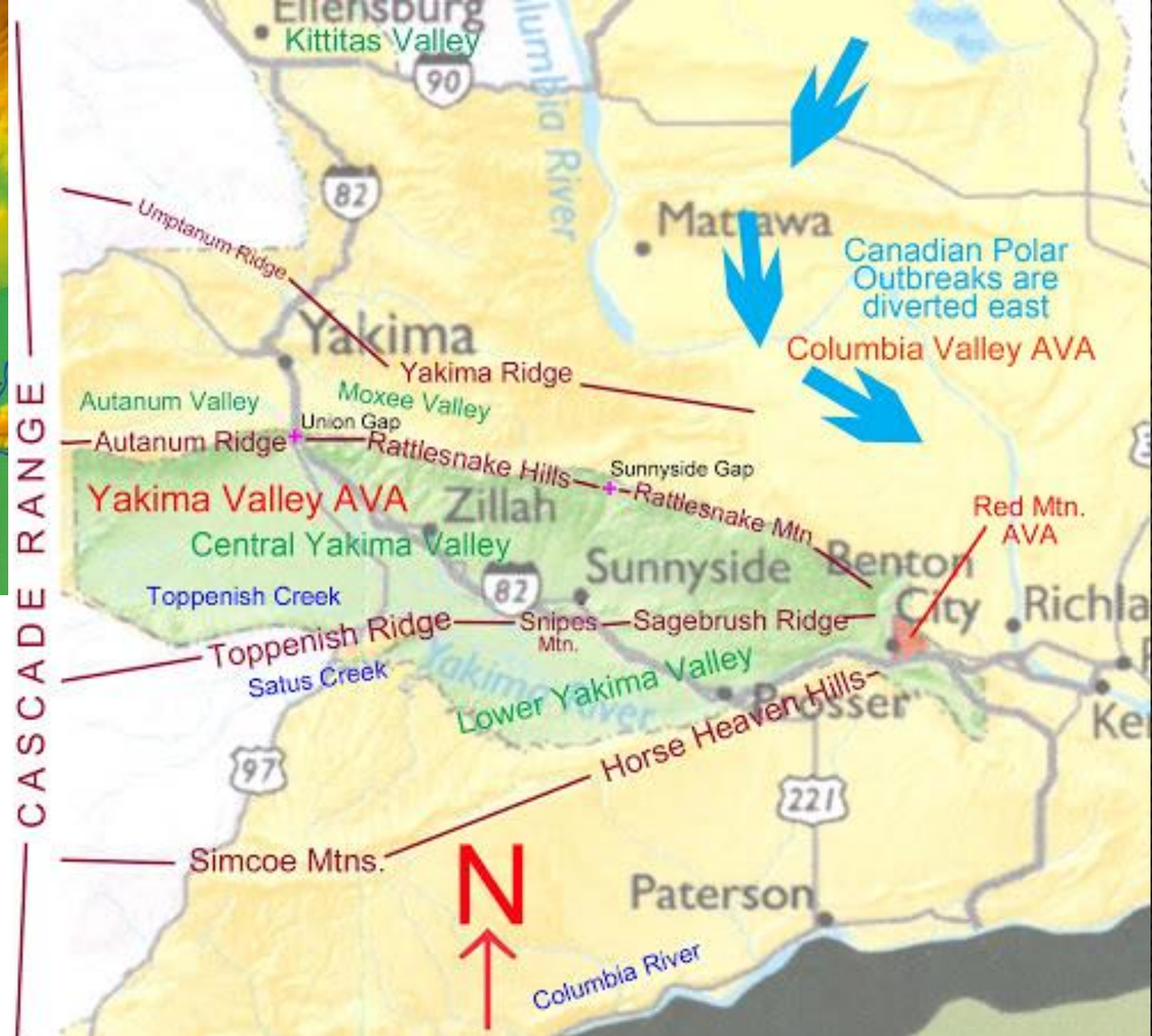
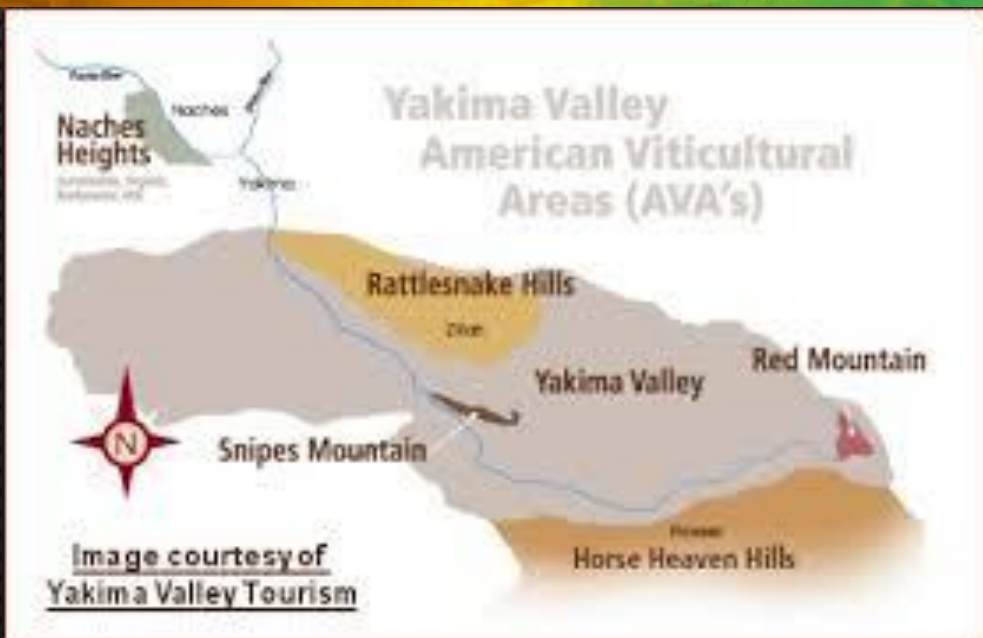
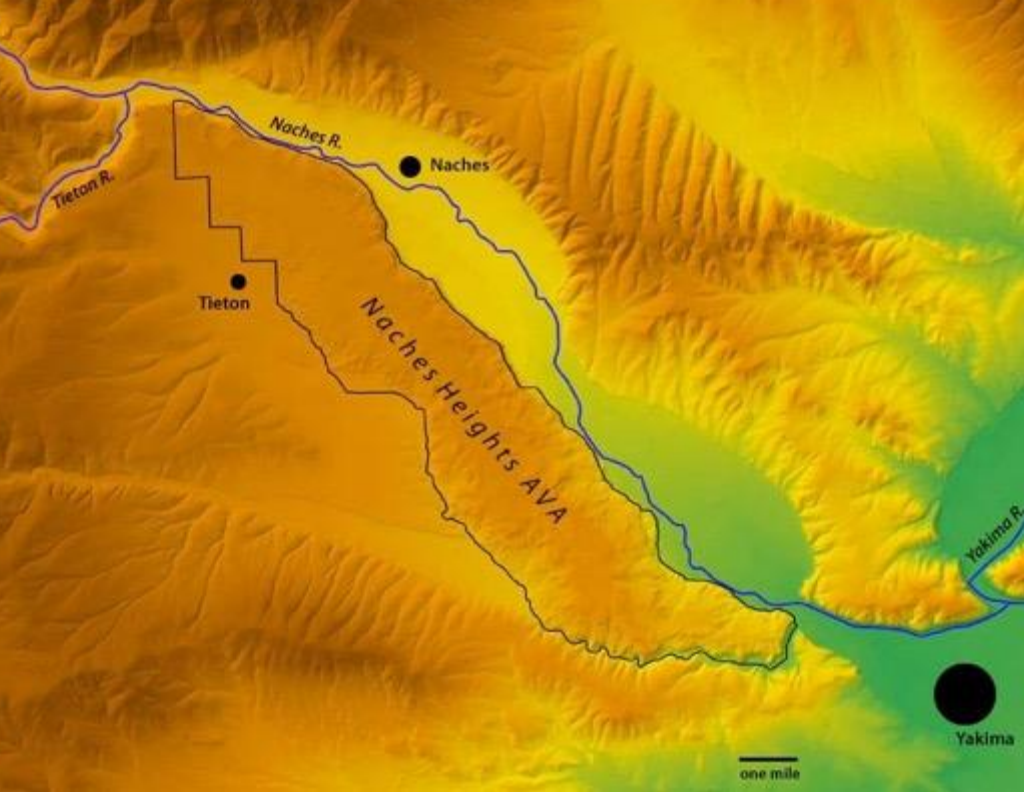
THE WARM APPELLATIONS

RATTLESNAKE HILLS AVA

- CONTINENTAL CLIMATE - WARM GROWING SEASON, 6-12 INCHES ANNUALLY WITH WINDY AREAS
- ENCOMPASSING AN EXPANSE OF HILLS RUNNING EAST TO WEST ALONG THE NORTHERN POINT OF THE YAKIMA RIVER
- SILTY-LOAM AND LOAM SOILS
- 850 FT TO 3,085 FT AND SITS HIGHER IN ELEVATION THAN THE SURROUNDING YAKIMA VALLEY.
- NAMED AFTER THE NORTHERN PACIFIC RATTLESNAKE
- 56% RED TO 44% WHITE
 - CABERNET SAUVIGNON, MALBEC, MERLOT, SYRAH, CHARDONNAY AND RIESLING.
- MANY VINEYARDS ARE LOCATED ON RIDGES AND TERRACES WITH GOOD AIR DRAINAGE

NACHES HEIGHTS AVA

- CONTINENTAL CLIMATE - WARM DAYS, COOL NIGHTS, 10-13 INCHES ANNUALLY
- **CONSIDERED A COOLER AREA** BUT WITH SUNSHINE AND WARMTH
- SIGNIFICANT DIURNAL SHIFTS AND VERY DRAMATIC TEMPERATURE SWINGS 85-90F TO 50F
- ANCIENT VOLCANIC BEDROCK PLATEAU WITH HEAVY CLAY AND SILT SOILS AND ELEVATIONS RANGING FROM 1,200 TO 2,100 FEET.
- 40 % REDS
- 60% WHITES
 - PINOT GRIS, RIESLING, AND SYRAH WERE THE FIRST PLANTED
 - BORDEAUX, RHONE AND A FEW OTHER FRENCH VARIETIES ARE PLANTED
 - ONLY ABOUT 35 ACRES UNDER VINE



THE WARM APPELLATIONS

SNIPES MOUNTAIN

- MOSTLY ARID, CONTINENTAL CLIMATE, 6-8 INCHES OF RAIN ANNUALLY
- SOME OF THE OLDEST VINEYARD SITES LIE HERE
- SNIPES MOUNTAIN AND HARRISON HILL VINEYARD PLANTED SINCE 1914, 2ND OLDEST CABERNET SAUVIGNON VINES
- SOILS ARE SIMILAR TO THE SURROUNDING AREA WITH A MIXTURE OF CLAY, SAND, SILT AND BASALT.
- **MOSTLY REDS**
 - CABERNET SAUVIGNON
- WHITES:
 - CHARDONNAY, RIESLING AND SAUVIGNON BLANC

WHITE BLUFFS -2021

- WARM TO HOT AREAS LIE WITHIN THIS AVA, 6 ANNUAL INCHES OF RAIN
- THE AVA IS SITUATED ON THE PLATEAU THAT RISES ABOVE THE PASCO BASIN NORTH OF TRI-CITIES
- SOILS CONTAIN **MORE CLAY** FROM MISSOULA FLOODS AND THE COLUMBIA RIVER THE NEARBY BORDER TO THIS AVA.
 - LAYERS OF ANCIENT LAKEBED - NO BASALT INFLUENCE - CREATING VINE DIFFERENCES
- 1100 ACRES OF VINE, PLANTED SINCE 1972 WITH SOME OF THE OLDEST GRAPES IN THE STATE.
- **MOSTLY REDS:**
 - CABERNET SAUVIGNON, MERLOT, SYRAH
- WHITES:
 - RIESLING, SAUVIGNON BLANC



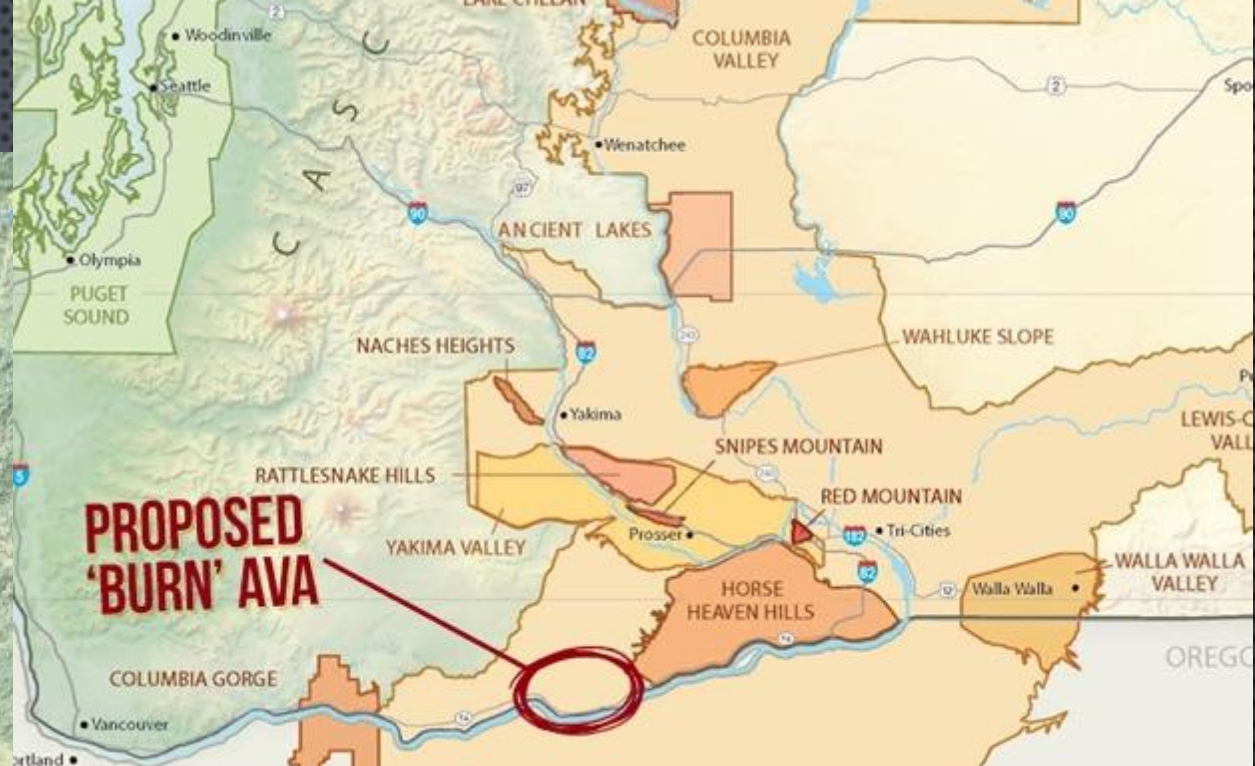
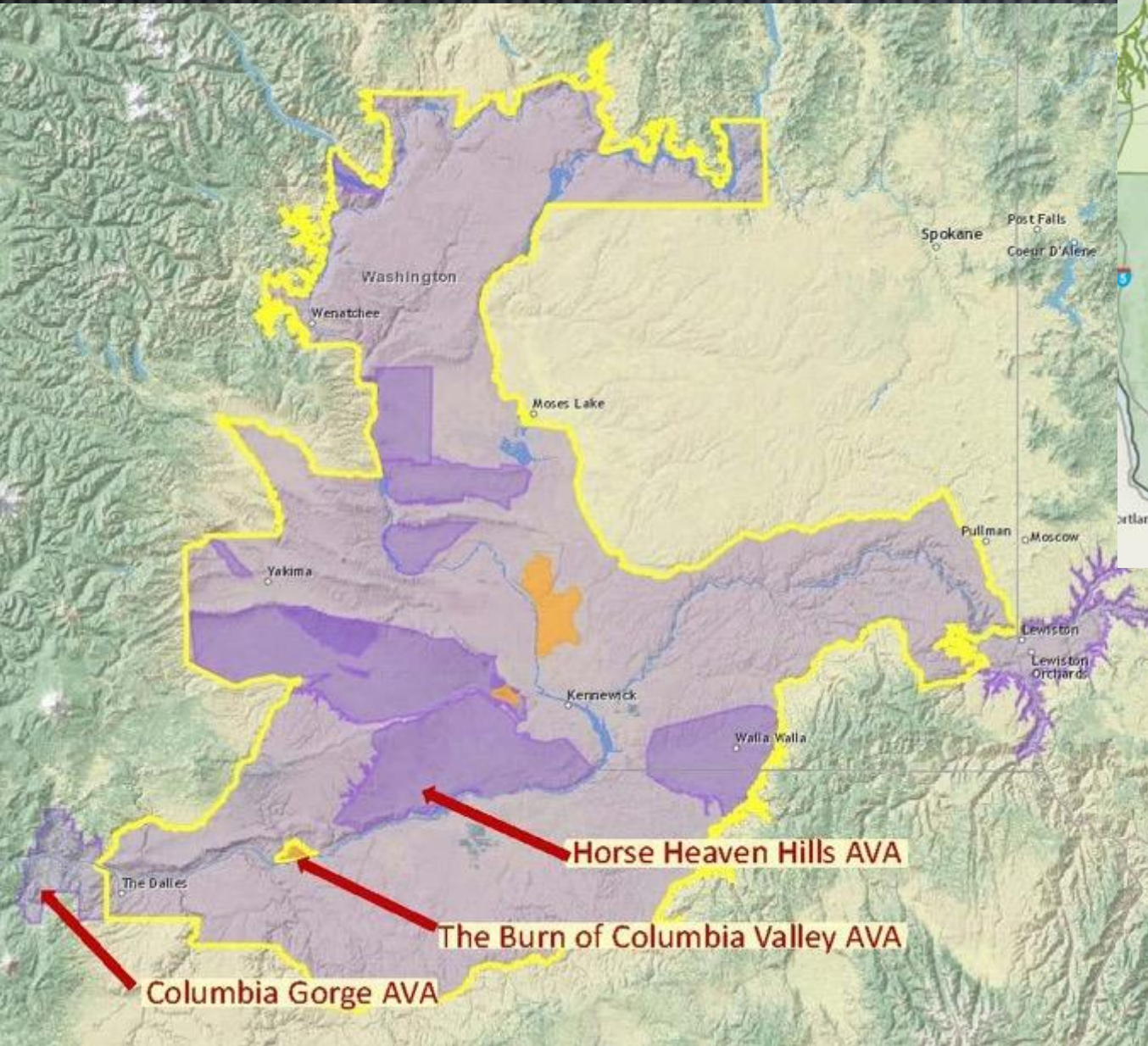
THE WARM APPELLATIONS

THE BURN - 2021

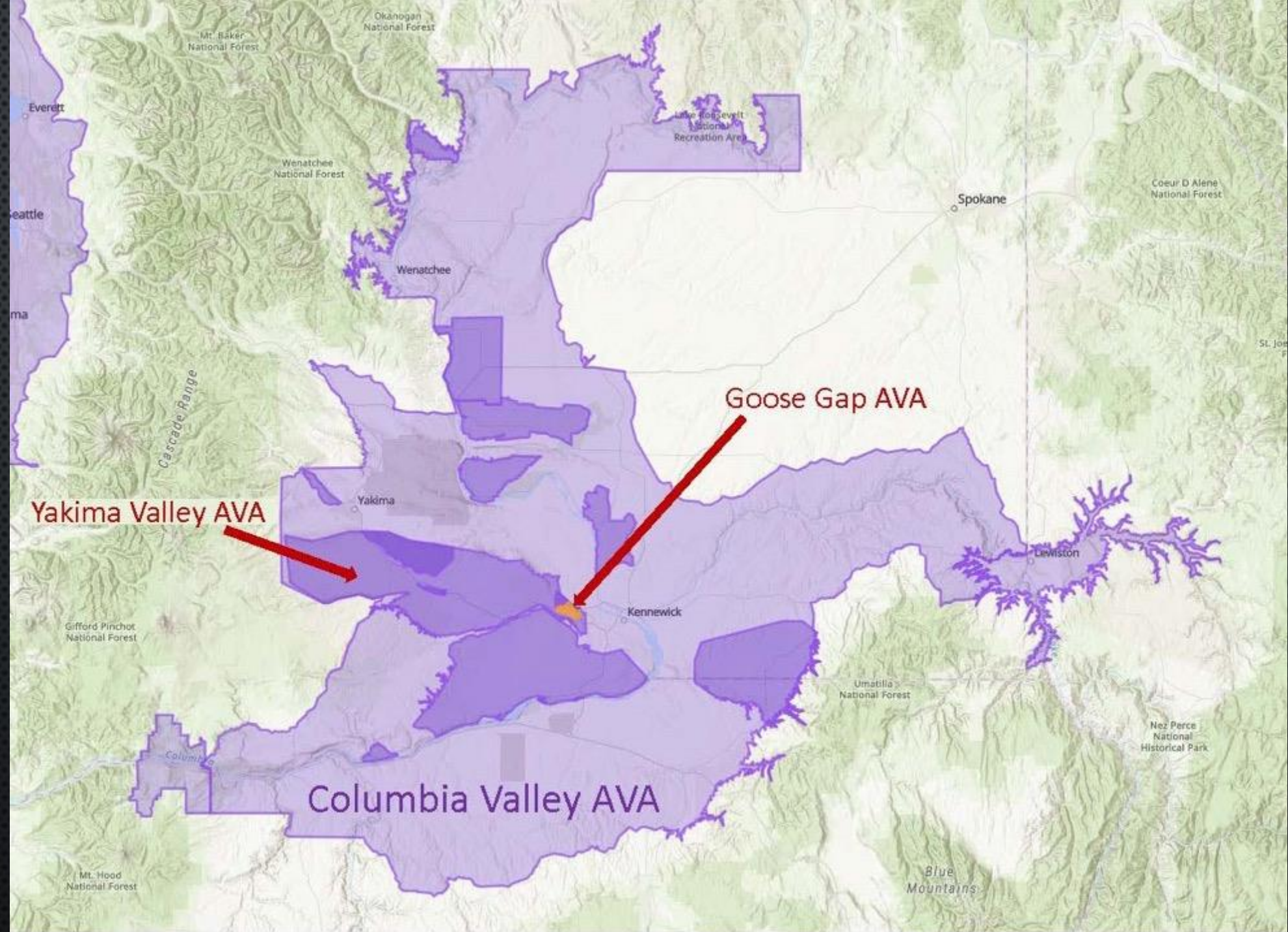
- WARM, DRY WITH WIND AND MODERATED BY THE RIVER CONTINENTAL CLIMATE, 8-9 INCHES OF RAIN ANNUALLY
- VINEYARDS LIE ALONG THE COLUMBIA RIVER ON THE DRY SIDE OF THE COLUMBIA GORGE AMONG BASALT PILLARS
- CABERNET SAUVIGNON VINES DOMINATE THIS REGION WITH 1500 ACRES PLANTED
- SOILS ARE KNOWN AS WALLA WALLA SILT LOAM AND HAVE STRONGER WATER HOLDING CAPACITY.
- MOST VINES ARE PLANTED SE FACING ON THE BENCH ABOVE THE COLUMBIA RIVER - ALLOWING FOR WIND AND SUN TO INTENSIFY SUGARS, DEHYDRATE/CHALLENGE THE VINE
- **MOSTLY RED** GRAPES PLANTED:
 - CABERNET SAUVIGNON, MALBEC, SYRAH, SANGIOVESE
- WHITES:
 - CHARDONNAY AND SAUVIGNON BLANC

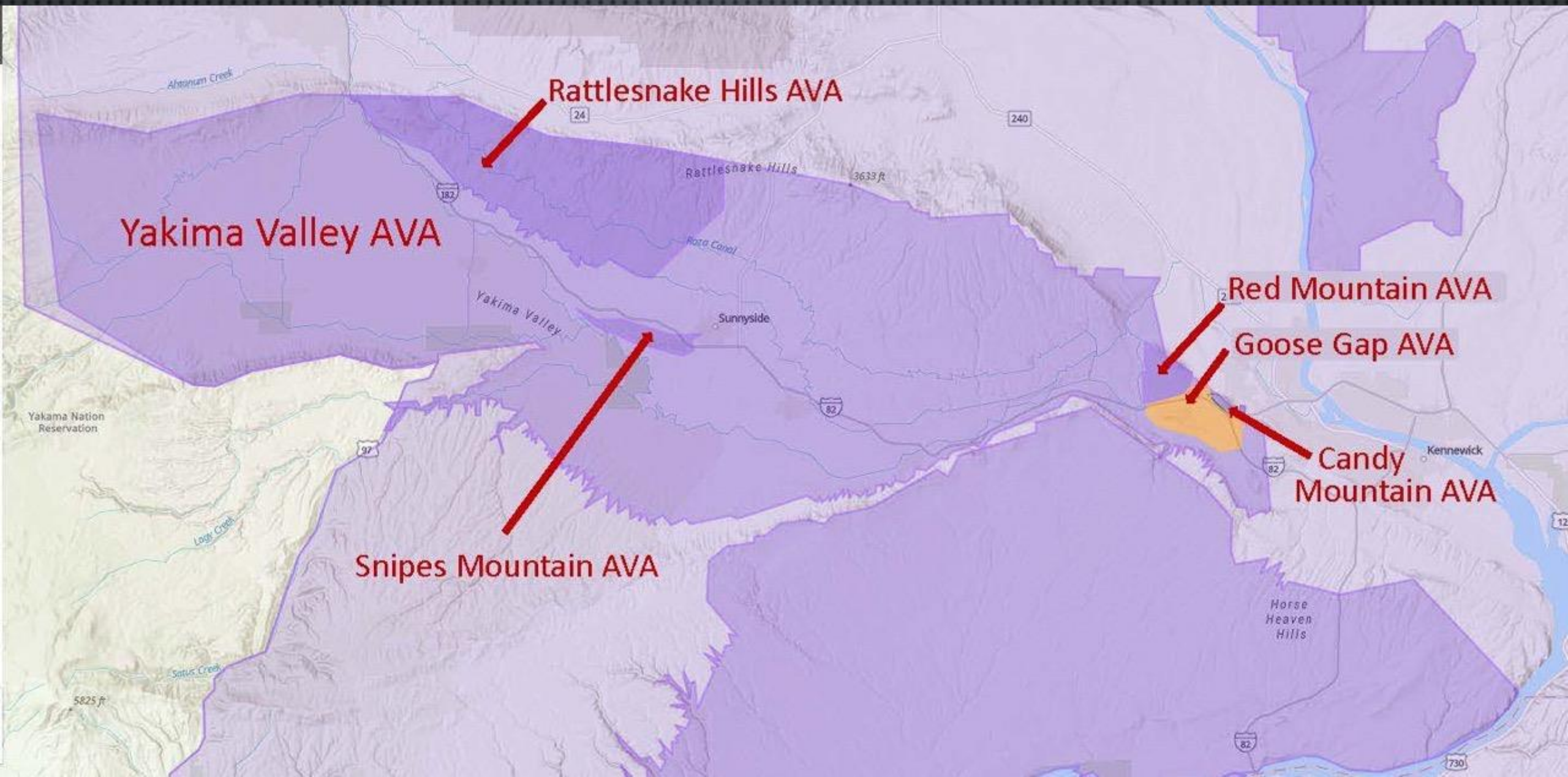
GOOSE GAP -2021

- SUB-AVA OF YAKIMA VALLEY, THIS NEW APPELLATION HAS DISTINCT FEATURES AS ONE OF THE YAKIMA FOLD BELTS
- LIES BETWEEN GOOSE MOUNTAIN TO THE WEST AND BADGER/CANDY MOUNTAINS TO THE EAST. A PATHWAY FOR MIGRATORY BIRDS - GEESE, THUS THE NAME
- THE RIDGE OF GOOSE MOUNTAIN RUNS EAST-WEST WHERE VINES ARE PLANTED ALLOWING FOR N-NE FACING VINES
- ELEVATION IS FROM 500 - 1300 FEET WITH VINEYARDS MAINLY
- SOILS ARE KNOWN AS WARDEN: WINDBLOWN SILT AND SAND THAT LIE ATOP THE MISSOULA FLOOD SEDIMENT. FRACTURED BASALT AND FLOOD SEDIMENT LIE ATOP THE UNDERLYING BASALT BEDROCK
- 1800 ACRES PLANTED TO 16 VARIETIES, MOST COMMON ARE:
- **MOSTLY RED** GRAPES PLANTED:
 - CABERNET SAUVIGNON, MERLOT, SYRAH
 - WHITES:
 - CHARDONNAY, VIOGNIER









THE WARM APPELLATIONS

WALLA WALLA AVA

- A VERY WARM-HOT GROWING SEASON WITH MICR-CLIMATES AT DIFFERENT ELEVATIONS- 7 TO 22 INCHES OF RAIN ANNUALLY
- A VARIETY OF ELEVATIONS FROM 400 TO 2,000 FT
- BASALT BEDROCK IS OVERLAIN BY ANCIENT GRAVELS, AND SILT, SAND, AND GRAVEL SEDIMENTS AND WIND-DEPOSITED LOESS.
- **THE ROCKS AVA** LIES WITHIN WALLA WALLA AVA BUT IS ENTIRELY WITHIN OREGON
- 95% **RED**
 - CABERNET SAUVIGNON, MERLOT, CABERNET FRANC, PETIT VERDOT, MALBEC, SYRAH,
- 15% WHITE
 - CHARDONNAY, VIOGNIER,

HORSE HEAVEN HILLS AVA

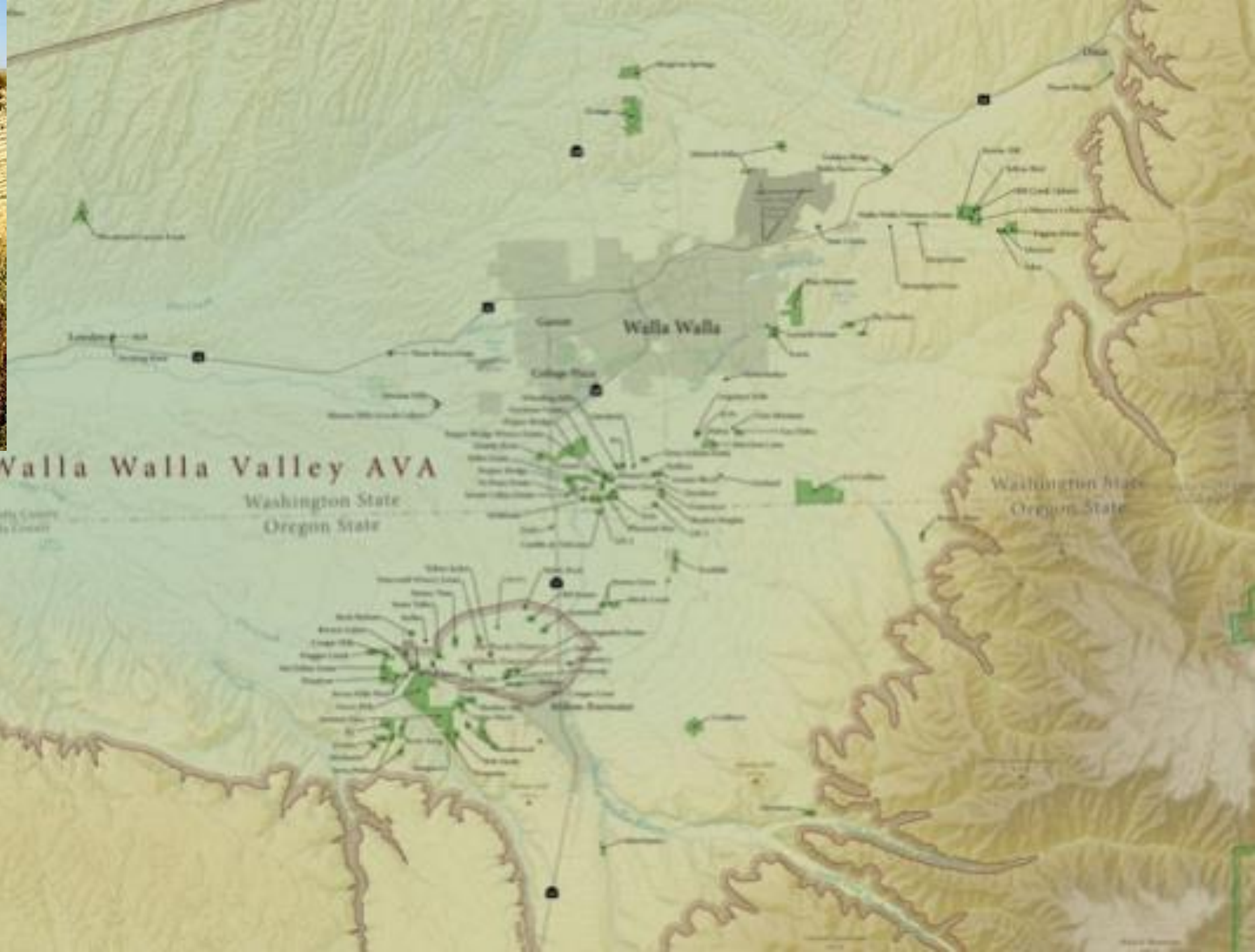
- CONTINENTAL CLIMATE - VERY HOT DAYS, COOL NIGHTS, 6-9 INCHES OF RAIN ANNUALLY - VERY WINDY AND BREEZY CLOSE TO THE RIVER!
- ALONG THE WALULA GAP
- 300 FT AT THE SOUTH END TO 1,800 FT ON THE NORTH END OF THE AVA, WELL DRAINED, SANDY-LOAM SOILS
- THE AVA CROSSES THE OREGON BOARDER WITH SOUTH-FACING SLOPES ON THE COLUMBIA RIVER
- 73% **RED** GRAPES PLANTED:
 - CABERNET SAUVIGNON, MERLOT, SYRAH, CABERNET FRANC & MALBEC
 - ITALIAN AND SPANISH VARIETIES, PINOT NOIR AND LEMBERGER
- 27% WHITES:
 - CHARDONNAY, RIESLING, SAUVIGNON BLANC, PINOT GRIS & VIOGNIER
 - 25% OF WASHINGTON'S TOTAL GRAPE PRODUCTION

WALULLA GAP



A 3,000-SQUARE MILE "RETENTION POND"







WALLA WALLA AVA



CITY OF
WALLA WALLA

WASHINGTON
OREGON

CITY OF
**MILTON-
FREEWATER**

BLUE MOUNTAINS

THE ROCKS AT MILTON-FREEWATER AVA





WASHINGTON STATE AMERICAN VITICULTURAL AREAS



THE HOT APPELLATIONS

LEWIS-CLARK AVA

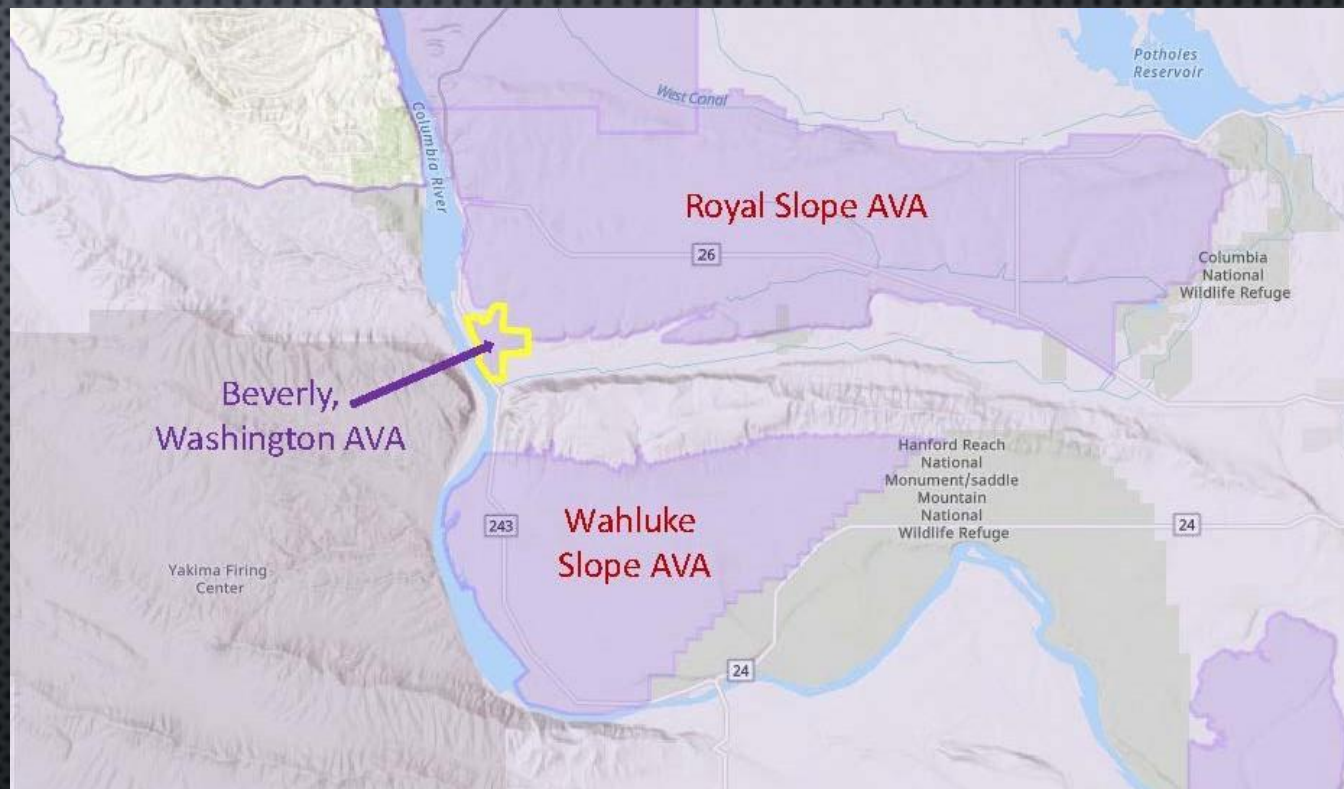
- 38% LOCATED IN WA STATE, 72% IN IDAHO
- VARYING CLIMATES WITH COOLER AREAS IN THE NORTH, AND HOT AREAS IN THE SOUTH "BANANA BELT"
- 10 - 20 INCHES ANNUALLY WITH MORE RAIN IN THE NORTHERN AREAS OF THE AVA.
- LOESS SOILS - WIND-DEPOSITED, NUTRIENT-RICH SILT
- FORMED BY THE SNAKE AND CLEARWATER RIVERS, CANYON SIDE AND BENCH LANDS MAKE UP THE AVA
- CABERNET SAUVIGNON, GRENACHE, SYRAH IN THE HOTTER ZONES
- COOLER ZONES: CHARDONNAY, PINOT NOIR, MERLOT
- STEEP V-SHAPED VALLEY ALLOWS FOR GOOD DRAINAGE AND AIR MOVEMENT PROVIDING FROST PROTECTION AND COOL NIGHTTIME TEMPERATURES

CANDY MOUNTAIN AVA

- LIES TO THE SE OF RED MOUNTAIN AND IS WITHIN THE YAKIMA VALLEY AVA - 815 ACRES, CANDY MOUNTAIN IS THE SMALLEST AVA IN WA STATE
- PART OF A CHAIN OF FOUR MOUNTAINS IN THE AREA:
 - RED MOUNTAIN, BADGER MOUNTAIN, AND LITTLE BADGER MOUNTAIN.
- BASALT BEDROCK WITH LOESS AND LOAM ATOP - VINES PLANTED ON THE SW FACING SLOPES
- MOSTLY **RED** GRAPES PLANTED:
 - MERLOT, SYRAH, CABERNET SAUVIGNON
- SMALL AMOUNTS OF:
 - RIESLING, CHARDONNAY, AND SAUVIGNON BLANC

- LOCATED BETWEEN ROYAL SLOPE TO THE NORTH AND WAHLUKE SLOPE TO THE SOUTH
- VERY WARM CLIMATE WITH HIGH WINDS FUNNELING THROUGH SENTINEL GAP
- INTENSE HEAT DURING THE GROWING SEASON
- 2,415 ACRES - **UNDER VINE:** 400 ACRES - LOW, ROLLING HILLS WITH GENTLE TO MODERATE SLOPES - 515 TO 950 FEET ABOVE SEA LEVEL
- **SOILS:** SANDY AND STONY LOAMY - SAND DERIVED FROM ICE-AGE FLOOD AND WIND DEPOSITS
- **ANNUAL PRECIPITATION:** 5 INCHES
- **GRAPE VARIETIES**
- BORDEAUX VARIETIES
 - CABERNET SAUVIGNON
 - MERLOT
 - CABERNET FRANC

BEVERLY AVA - NEWEST IN 2024



THE HOT APPELLATIONS

RED MOUNTAIN AVA

- ARID, DESERT CLIMATE, RECEIVING AN AVERAGE OF 6 TO 8 INCHES OF RAIN - VERY HOT GROWING SEASON
- RED MOUNTAIN AVA IS THE MOST DENSELY PLANTED AND **WARMEST** WINE-GRAPE GROWING REGION IN WASHINGTON STATE.
- A SUB-APPELLATION OF YAKIMA VALLEY AND ONE OF THE SMALLEST AVA IN WA STATE
- NOT ACTUALLY A MOUNTAIN - STEEP SLOPE
- SANDY - LOAM AND GRAVEL WITH CALCIUM CARBONATE SOILS
- 85% **RED**
 - CABERNET SAUVIGNON, MERLOT, CABERNET FRANC, PETIT VERDOT, MALBEC, SYRAH, LEMBERGER
- 15% WHITE
 - CHARDONNAY, SAUVIGNON BLANC AND RIESLING

WAHLUKE SLOPE AVA

- DESERT-LIKE CLIMATE WITH VERY HOT DAYS, DRY WITH LESS THAN 6 INCHES OF RAIN ANNUALLY
- NATURALLY BORDERED BY THE COLUMBIA RIVER TO THE WEST AND SOUTH, THE SADDLE MOUNTAINS TO THE NORTH, AND ON THE EAST BY THE HANFORD REACH NATIONAL MONUMENT.
- THE ENTIRE AVA LIES ON A BROAD, SOUTH-FACING SLOPE CLOSE TO THE COLUMBIA RIVER
- ONE OF THE WARMEST REGIONS IN THE STATE, PRIMARILY FOR RED GRAPE VARIETIES
- MOSTLY **RED** GRAPES PLANTED:
 - MERLOT, SYRAH, CABERNET SAUVIGNON
- SMALL AMOUNTS OF:
 - RIESLING, CHARDONNAY, AND CHENIN BLANC.
 - 15% OF THE STATES GRAPES ARE GROWN HERE





©Richard Duval Images



Lewis-Clark Valley AVA

The newly designated wine grape growing region includes more than 80 acres of vineyards within 479 square miles.



Washington

Id

Kennewick

Walla Walla

Yakima Valley American Viticultural Areas (AVA's)

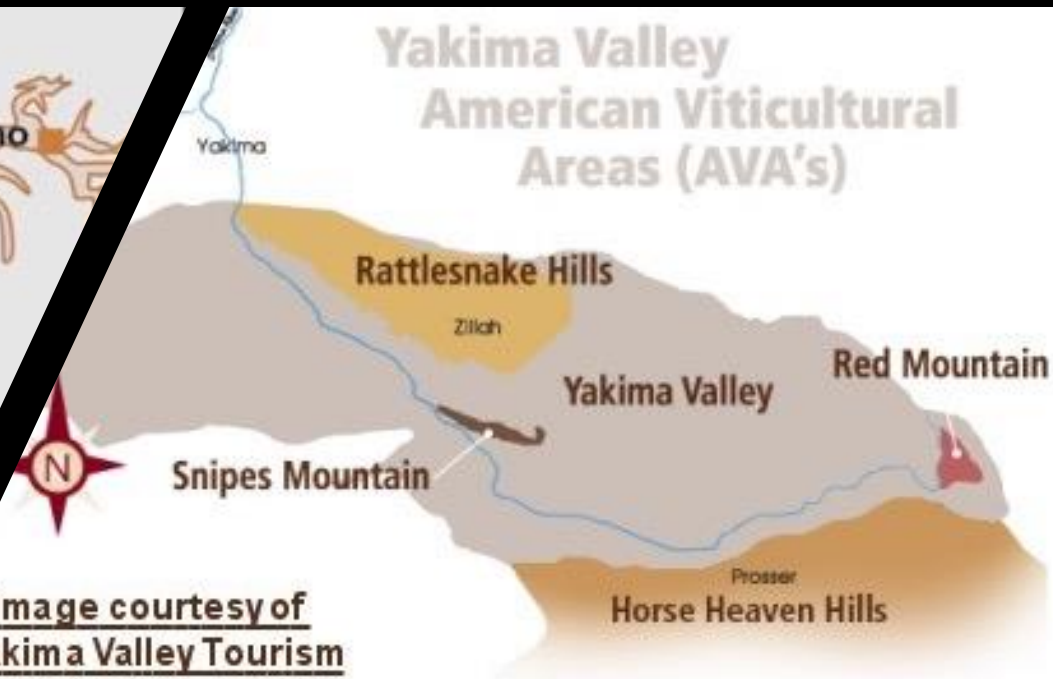
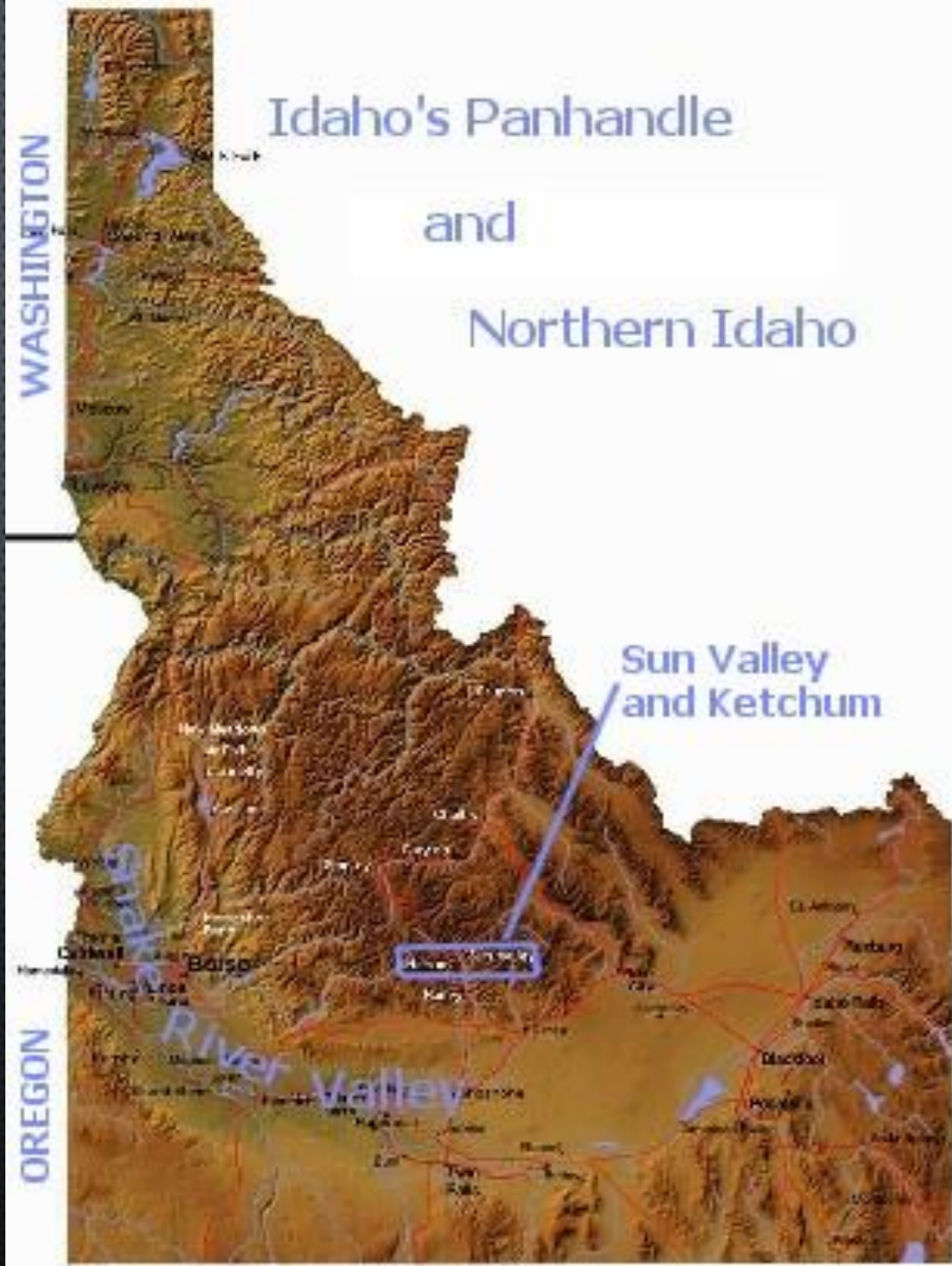
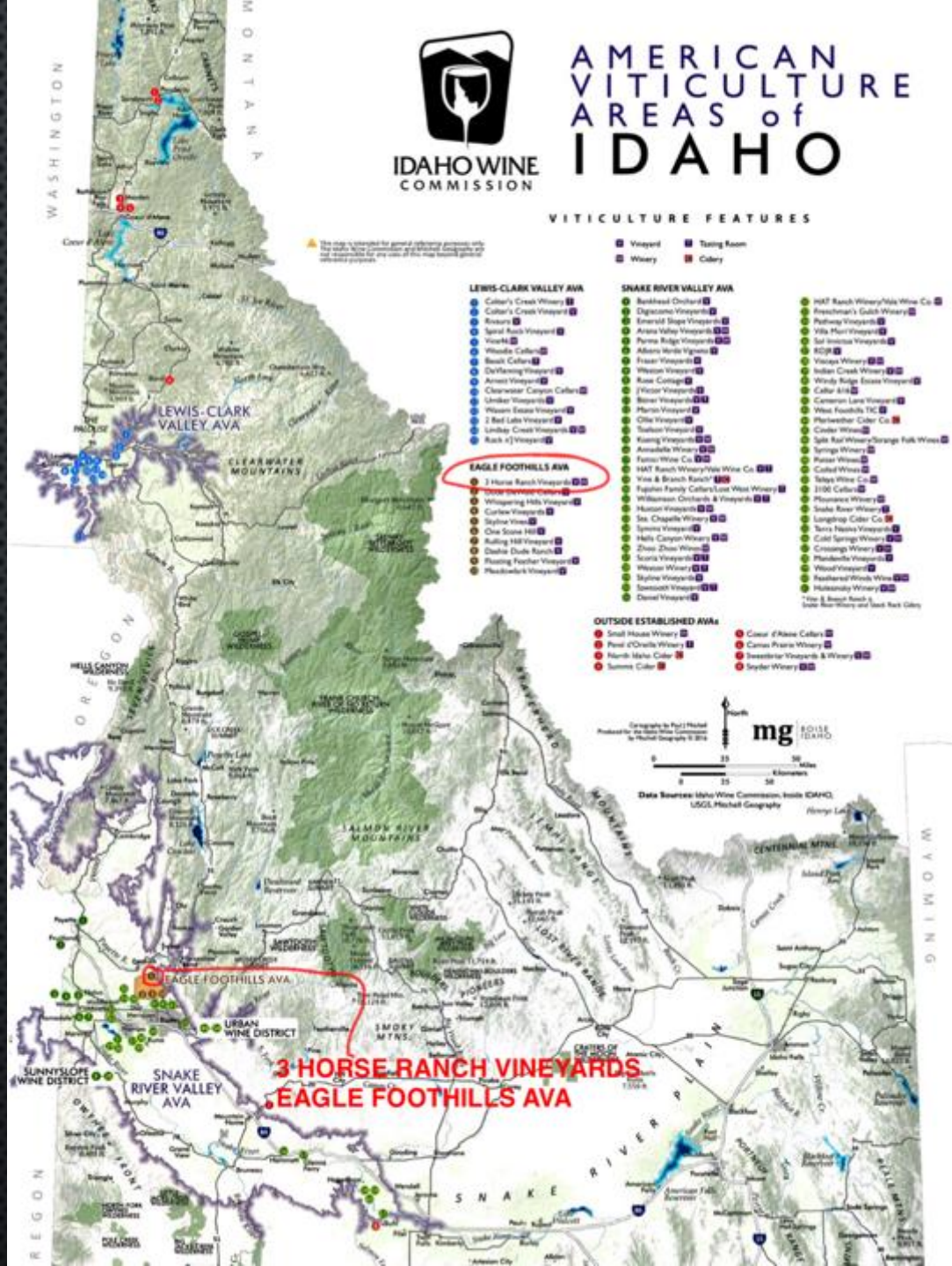


Image courtesy of
Yakima Valley Tourism



VITICULTURE FEATURES



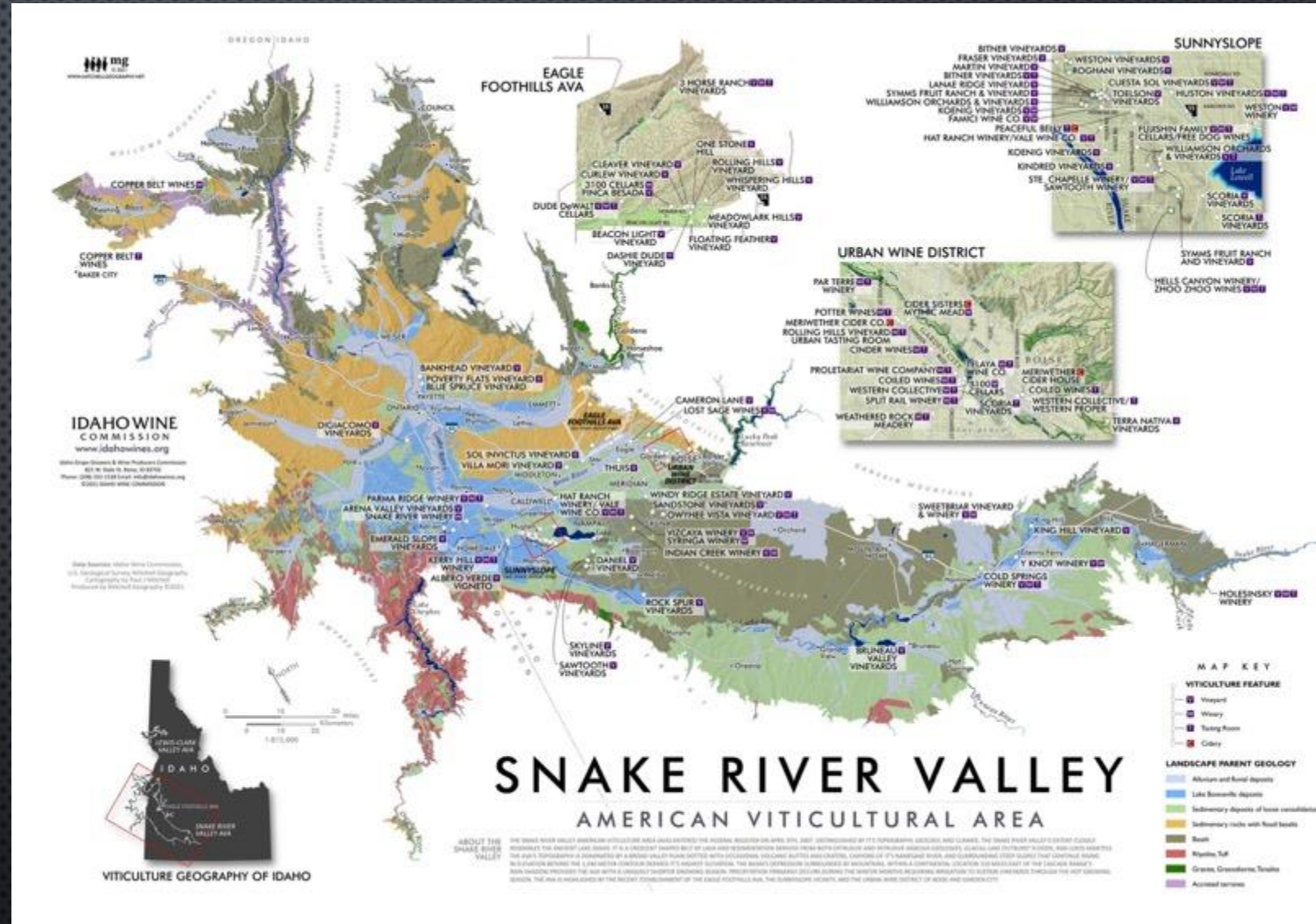
SOUTH CENTRAL IDAHO VINES ARE OUTSIDE OF BOISE.

GRAPES FROM THIS REGION BENEFIT FROM THE REGION'S COLD NIGHTS AND HOT SUMMER DAYS - DIURNAL SHIFTS ALLOW FOR ACIDS AND TANNINS TO BOTH BUILD WINES OF COMPLEXITY AND BALANCE.

BORDEAUX AND RHONE VARIETIES ARE PROMINENT

SPANISH AND ITALIAN ARE ALSO PLANTED

THE MAJORITY OF SALES OF IDAHO WINES ARE CONCENTRATED IN BOISE



SOUTHWESTERN IDAHO VALLEY IS RICH IN RESOURCES.

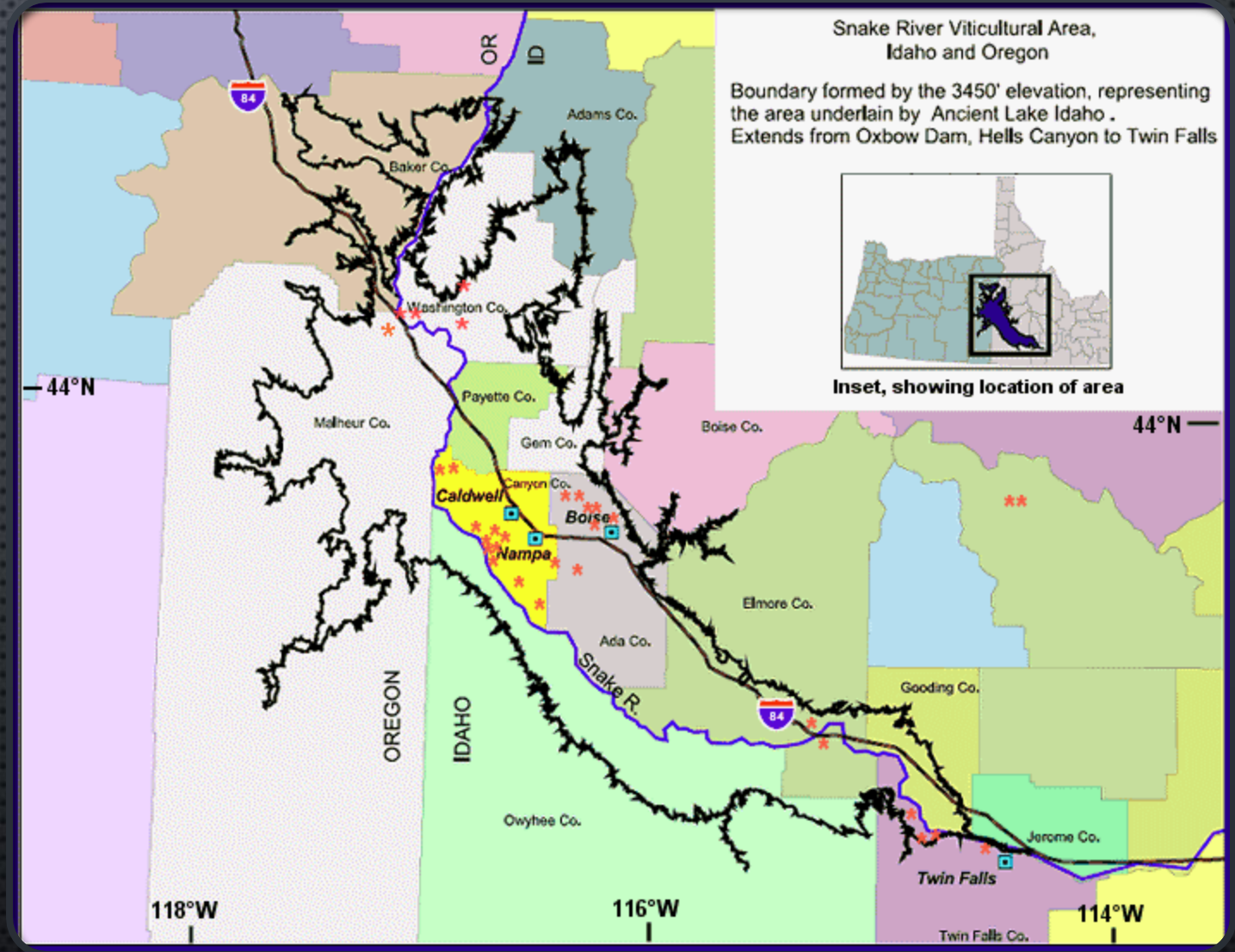
ANCIENT VOLCANIC SOIL AND ABUNDANT WATER SUPPLY MAKE THIS IDEAL FOR GRAPE GROWING

THE STATE'S HEAVIEST CONCENTRATION OF WINERIES IS WITHIN THIS REGION'S SUNNYSLOPE WINE TRAIL- PART OF THE SNAKE RIVER VALLEY AVA

THE SNAKE RIVER VALLEY AVA (2007)
ENCOMPASSES 8,000 SQUARE MILES WITH 1,125 ACRES CURRENTLY PLANTED.

OVERLAYING THE ANCIENT LAKE IDAHO, THE SHORELINE CREATES ITS BOUNDARIES.

THE EAGLE FOOTHILLS AVA (2015)
ENCOMPASSES 49,815 ACRES, FULLY WITHIN THE SNAKE RIVER VALLEY AVA WITH 67 ACRES PLANTED.



THANK YOU!

**WINE
EDUCATION**



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TOURS ABROAD**

**WINE TOURS
LOCALLY**

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