QGIS & the 240 Wine Regions:
A Tale of Large Scale Collaborative Digitizing

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Once upon a time...
Winemakers wanted a way to market their product.
“Let’s make appellation areas!” they said.
The US Government keeps the American Viticultural Areas boundaries... in text format.
Researchers don’t have AVAs in a usable spatial format.
Dataset Requirements
Complete digital dataset of boundaries
Freely available
Open format
Methods documented
Allow contributions & collaborations with other institutions & the public
Assemble the team!
Contributors  (...so far!... as of 1/22/2019)

UC Davis Library Project Team:
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+ More coming soon!
Methods
GitHub
GitHub Website

Code Tab:
Instructions
Data + Maps

Issues Tab:
To Do List
Claim a task

Pull Request Tab:
Review submitted changes

ONLINE

Main Repository

Your Fork

Pull Request
Push
Commits
Commit
Boundary

Local Files

YOUR COMPUTER

AVA Template File
Federal Register Documents
USGS Topographic Maps

Pull from Upstream Master
Fetch
Merge

Pull
Fetch
Merge
GitHub Website

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**ONLINE**

- Main Repository
  - Pull Request
  - Fetch
  - Merge
  - Pull from Upstream Master

- Your Fork
  - Push
  - Fetch
  - Merge

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**YOUR COMPUTER**

- AVA Template File
- Federal Register Documents
- USGS Topographic Maps
- QGIS
- Local Files
  - Commits
  - Commit
  - Boundary
  - Pull
  - Merge
Federal Register Documents Example: Coombsville

(1) The beginning point is on the Mt. George map at the 1,877-foot peak of Mt. George, section 29, T6N/R3W. From the beginning point, proceed southeast in a straight line for 0.4 mile to the intersection of the 1,400-foot elevation line and an unnamed intermittent creek that feeds northeast into Leonia Lakes, section 29, T6N/R3W; then

(2) Proceed east-southeast in a straight line for 0.45 mile to the intersection of the 1,380-foot elevation line and an unnamed, unimproved dirt road, and then continue in the same straight line to the section 29 east boundary line, T6N/R3W; then

(3) Proceed south-southeast in a straight line for 0.6 mile to the unnamed 1,804-foot elevation point in the northwest quadrant of section 33, T6N/R3W; then

(4) Proceed south-southwest in a straight line for 1 mile, passing over the marked 1,775-foot elevation point, to the intersection of the T6N and T5N common line and the 1,600-foot elevation line; then

(5) Proceed south-southeast in a straight line for 1.1 miles to the 1,480-foot elevation point along the section 9 north boundary line, T5N/R3W; then

(6) Proceed south-southwest in a straight line for 1.3 miles to the 1,351-foot elevation point, section 16, T5N/R3W; then

(7) Proceed south-southwest in a straight line for 1.5 miles to the intersection with two unimproved dirt roads and the 1,360-foot elevation line in Kreuse Canyon at the headwaters of the intermittent Kreuse Creek, northeast of Sugarloaf, section 20, T5N/R3W; then

(8) Proceed northwest in a straight line for 1.95 miles to the 90-degree turn of Imola Avenue at the 136-foot elevation point, section 13, T5N/R4W; then

(9) Proceed west along Imola Avenue for 2.1 miles, crossing from the Mt. George map onto the Napa map, to the intersection of Imola Avenue with the Napa River at the Maxwell Bridge, T5N/R4W; then

(10) Proceed north (upstream) along the Napa River for 3.2 miles, crossing over the T6N/T5N common line, to the intersection of the Napa River with Milliken Creek, T6N/R4W; then

(11) Proceed north (upstream) along Milliken Creek for 0.75 mile to the intersection of Milliken Creek with Monticello Road, T6N/R4W; then

(12) Proceed northeast along Monticello Road for 2.4 miles, crossing from the Napa map onto the Mt. George map, to the intersection of Monticello Road with the section 19 west boundary line, T6N/R3W; and then

(13) Proceed east-southeast in a straight line for 1.4 miles to the beginning point, section 29, T6N/R3W.
The Battles
GitHub
GIS & geojson
Long- distance Training
Resolution
LARRY L. SAUTTER
2018 Silver Award
for
INNOVATION IN INFORMATION TECHNOLOGY
American Viticultural Areas Digitizing Project
UCD and UCSB
Methods applied to other projects
Southern California Edison Electricity Distribution Data
The Moral of the Story...
Patience is key with new contributors.
Training time comes back 10+ fold.
You WANT to hear the questions.
Don’t be afraid to ask for revisions.
Thank & recognize everyone.
Join Us!
Digitize AVAs

https://github.com/UCDavisLibrary/ava
Use these methods for your project (and cite it)

https://github.com/UCDavisLibrary/ava
Use (and cite) the data

https://github.com/UCDavisLibrary/ava
Questions?

https://github.com/UCDavisLibrary/ava