



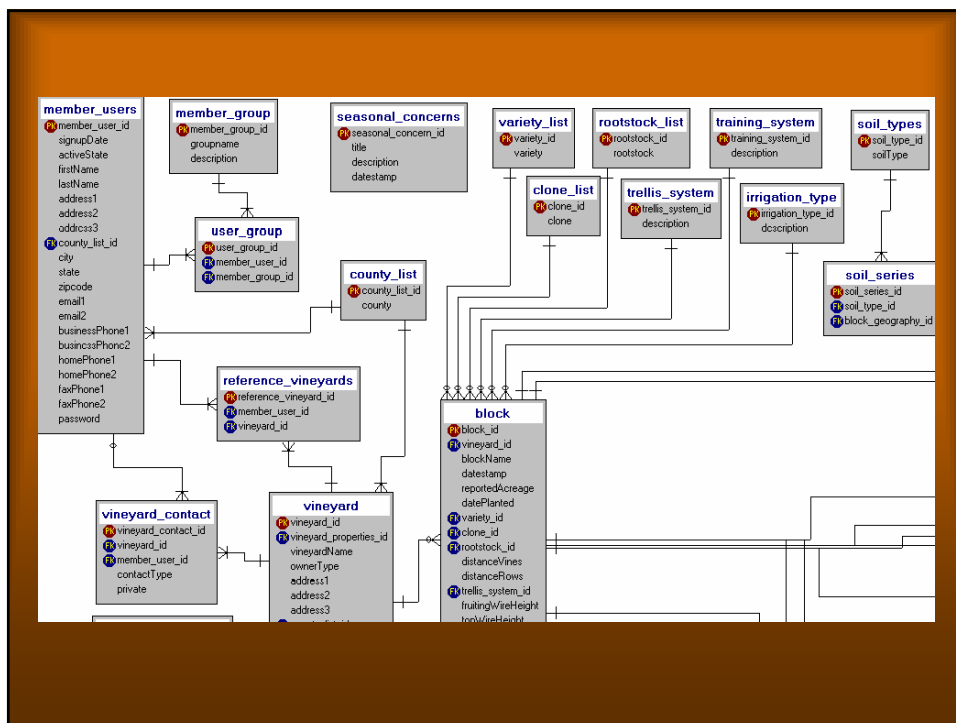
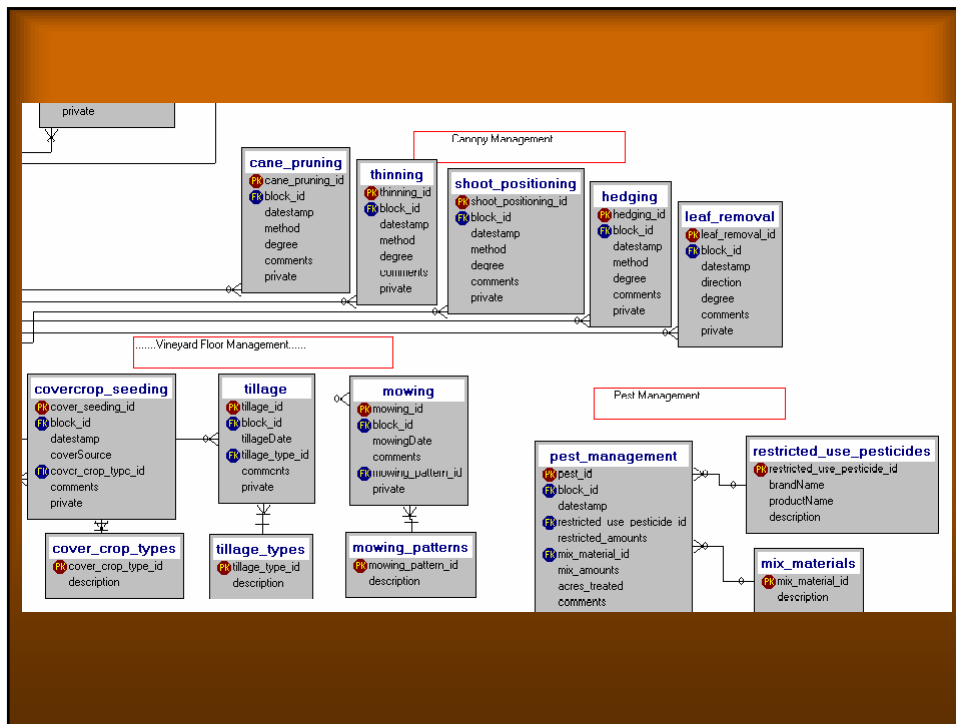
Vineyard's in Yamhill County, Oregon

Geodatabase Applications In the Tourism Sector

GEOG 575 Winter 2005
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Dr. Alan Campbell

- **Northwest Vineyards:** Provides maps, analysis, and support that help growers, winemakers, and consumers understand the Northwest's unique wine-growing environments
- **Oregon Wine Board:** conducts legal and lobbying advocacy work on behalf of the industry to ensure a positive business, social, & economic environment for the production and sale of Oregon wines.
- **OVID:** online service providing better communications, information, and tools, for wise management of Oregon Vineyards



Geodatabase Applications

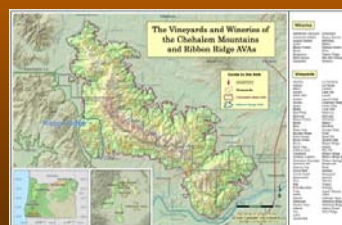
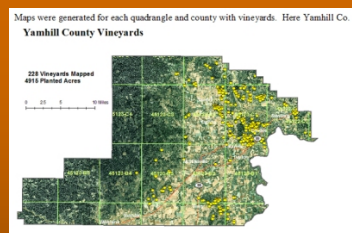
Provide GIS support for print publications by the OWB in their efforts to promote the region as a unique tourist destination

- *Improve efficiency*
- *Improve organization*

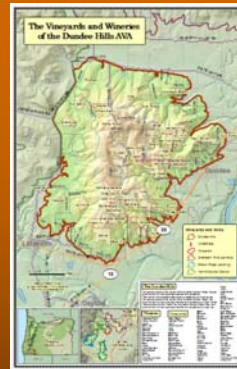
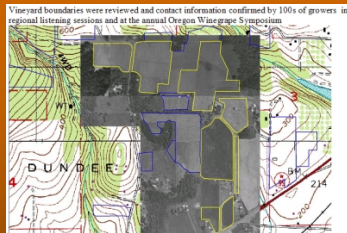


Design Objectives

- Include all relevant spatial & attribute information for Yamhill County
- Retain the flexibility to include data from other counties
- Ability to perform detailed queries of all attributes of vineyards, wineries, and their associated tasting rooms



Objectives cont...



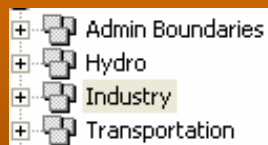
Combine attribute information with all relevant base map data to create accurate, meaningful, and aesthetically pleasing maps for use by the general public

Data Layer Specifications & Geographic Extents

- Spatial and attribute data related to vineyards, wineries, and tasting rooms in Yamhill County Oregon
- Projection: NAD_1983_UTM_Zone_10N

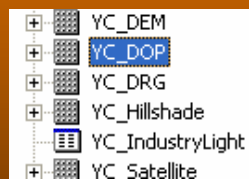
Data Layer Summary

- 4 Feature Datasets
 - 22 Feature Classes
- 5 Raster Datasets
- 1 Tables



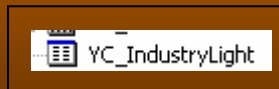
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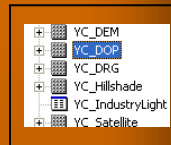


Feature Data Sets

- Administrative Boundaries
 - Location boundaries and points (11)
- Hydrology
 - Rivers (1)
- Transportation
 - Roads and geocoding results (2)
- Vineyard Industry
 - Wine industry specific (7)



Raster Datasets



- DEM – Elevation information
- DOP – Photo imagery of the vineyards
- DRG – Spatial reference / Maps
- Hillshade – Aesthetics / Maps
- Satellite – Spatial reference / Maps

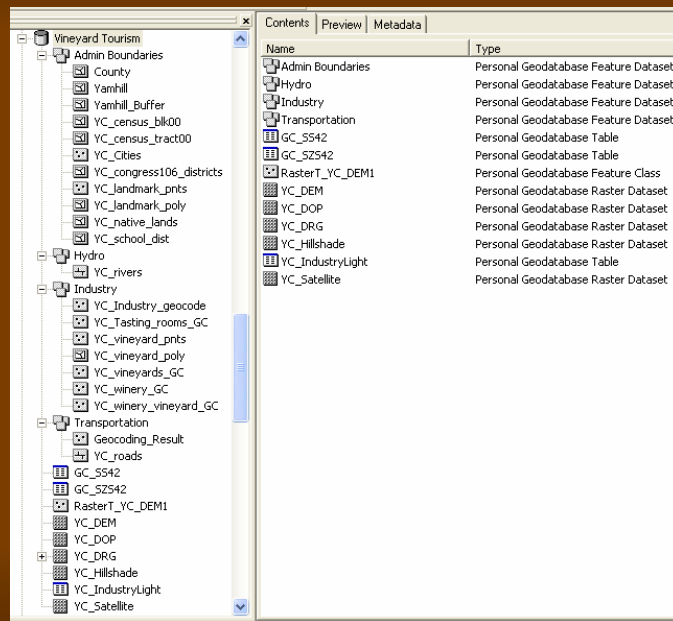
Tables



- 1 main table
 - Attribute data for vineyards
 - 193 records
 - 43 Fields
 - Business type, Addresses, Hours, feature details, etc..

ID	BusinessType	Address	Established	BusinessHours
1	Vineyard	North Hillside Valley	2002	At 2:00pm-5:00pm, Friday 10:00am-12:00pm
2	Vineyard	North Hillside Valley	1999	Friday 10:00am-12:00pm
3	Vineyard	North Hillside Valley	1999	Friday 10:00am-12:00pm
4	Vineyard	North Hillside Valley	1999	Friday 10:00am-12:00pm
5	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
6	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
7	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
8	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
9	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
10	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
11	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
12	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
13	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
14	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm
15	Vineyard and Winery	North Hillside Valley	1999	At 2:00pm-5:00pm

Geodatabase



Methods and Techniques

- Importing / Exporting
- MS Access Query
- Re-projection
- Clip
- Mosaic
- Geocoding

Methods and Techniques

- Importing / Exporting
 - Attribute data: Access & Geodatabase
 - Spatial data: Geodatabase
- MS Access Query
- Re-projection
- Clip
- Mosaic
- Geocoding

Methods and Techniques

- Importing / Exporting
- MS Access Query
 - Reduce number of fields
 - About 140 fields down to 43 fields
- Re-projection
- Clip
- Mosaic
- Geocoding

Methods and Techniques

- Importing / Exporting
- MS Access Query
- Re-projection
 - NAD_1983_UTM_Zone_10N
- Clip
- Mosaic
- Geocoding

Methods and Techniques

- Importing / Exporting
- MS Access Query
- Re-projection
- Clip
 - Oregon to Yamhill County
- Mosaic
- Geocoding

Methods and Techniques

- Importing / Exporting
- MS Access Query
- Re-projection
- Clip
- Mosaic
 - Raster Datasets
- Geocoding

Methods and Techniques

- Importing / Exporting
- MS Access Query
- Re-projection
- Clip
- Mosaic
- Geocoding
 - Vineyard, winery, and tasting room addresses

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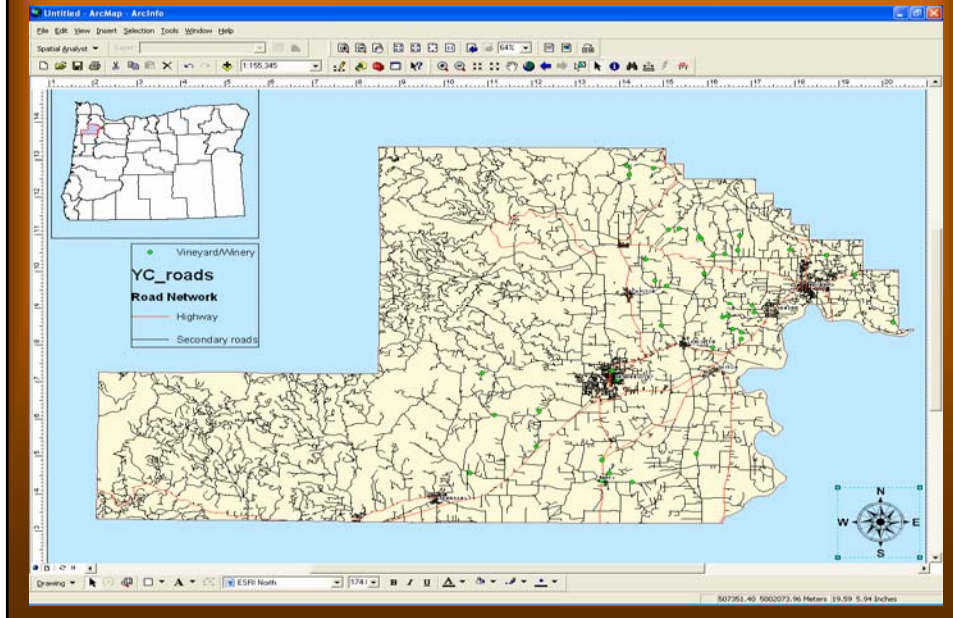
Possible Applications of the Geodatabase

- Locate and fulfill tourist requests and queries
- Create maps for Yamhill Wine country advertisements
- Support Vineyard and Wineries with maps for marketing materials
- Analyze spatial trends in the distribution of the Vineyards and Wineries and Tasting rooms

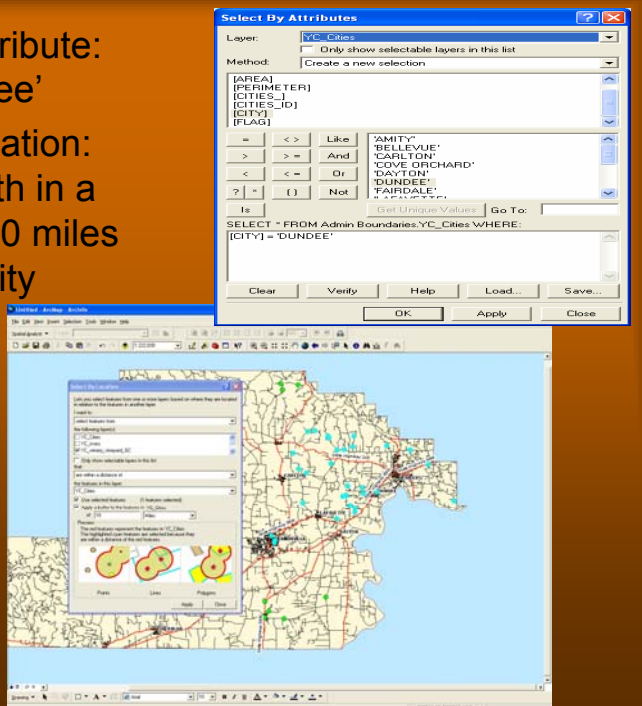
Example Scenario of a Tour Group Query

- Tourist group is staying in Dundee and would like to see several Vineyards with Wineries that feature Pinot Noir, Pinot Gris, Chardonnay, and Syrah wines
- Would like to stay within a 10 mile radius of Dundee
- Make sure they have a tasting room
- Provide any other tourist information

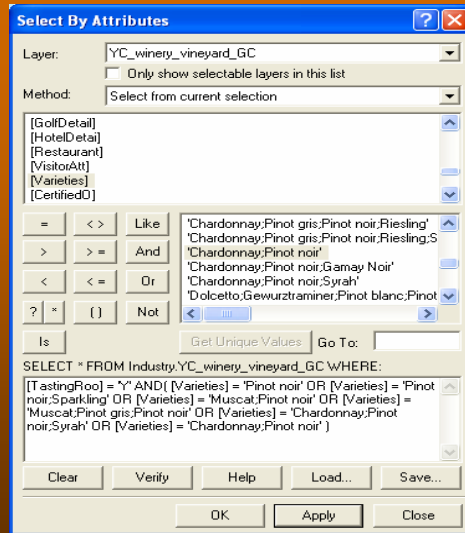
Yamhill County Vineyards with a Winery



- Select by Attribute:
City = 'Dundee'
- Select by location:
vineyards with in a
distance of 10 miles
of selected city



- Select by attribute from current selection: tasting = Y and varieties = 'Pinot Noir or Pinot Gris, or Chardonnay or Syrah'
- Resulted in 4 records selected
- Also did same process for tasting rooms for tour group options



Vineyard with a Winery and a tasting room with in 10 miles of Dundee

Establishment	BusinessID	BusinessAd	BusinessC	BusinessS	BusinessD
1993 Archery Summit	13099 NE Archery Summit Road	Dundee	OR	97114	
1996 Slide Rock Vineyards and Winery	12475 NE Archery Rd	Dundee	OR	97114	
3001 DuPont Cellars	17544 Archery Summit Road	Dundee	OR	97114	
2000 White Horse Winery	8250 NE Millip	Dundee	OR	97114	

Tasting room with in 10 miles of Dundee with the Desired wines

ID	Business Name	Status	Acres	State	AHC, Street	AHC, Zone	Business Type	Region
1	18599 NE Archery Summit Road	100	L	18599 NE Archery Summit Road	97114	Winery and Vineyard	North Willamette Valley	
2	18599 NE Archery Summit Road	100	L	18599 NE Archery Summit Road	97114	Winery Only	North Willamette Valley	
3	3000 NE Victoria Hill Rd	100	R	3000 NE Victoria Hill Rd	97115	Vineyard Only	Dundee Hills	
4	3000 NE Victoria Hill Rd	100	R	3000 NE Victoria Hill Rd	97115	Winery and Vineyard	North Willamette Valley	
5	21140 NE Veneta Lane	100	R	21140 NE Veneta Lane	97122	Vineyard Only	North Willamette Valley	
6	17545 Archery Summit Road	82	L	17545 Archery Summit Road	97114	Vineyard Only	North Willamette Valley	
7	17545 Archery Summit Road	82	L	17545 Archery Summit Road	97114	Winery Only	North Willamette Valley	
8	17545 Archery Summit Road	82	L	17545 Archery Summit Road	97114	Vineyard Only	North Willamette Valley	
9	17545 Archery Summit Road	82	L	17545 Archery Summit Road	97114	Winery and Vineyard	North Willamette Valley	
10	17545 Archery Summit Road	82	L	17545 Archery Summit Road	97114	Winery and Vineyard	North Willamette Valley	
11	9555 NE Hilltop Lane	81	L	9555 NE Hilltop Lane	97114	Winery and Vineyard	Dundee Hills	
12	9555 NE Hilltop Lane	81	L	9555 NE Hilltop Lane	97114	Vineyard Only	North Willamette Valley	
13	9400 NE Victoria Hill Road	100	L	9400 NE Victoria Hill Road	97115	Vineyard Only	North Willamette Valley	
14	18620 NE Fairview Dr	100	R	18620 NE Fairview Dr	97115	Vineyard Only	Dundee Hills	
15	4650 N Innie	83	L	4650 N Innie	97120	Winery and Vineyard	North Willamette Valley	
16	4650 N Innie	83	L	4650 N Innie	97120	Vineyard Only	North Willamette Valley	
17	4650 N Innie	83	L	4650 N Innie	97120	Winery and Vineyard	North Willamette Valley	
18	4650 N Innie	83	L	4650 N Innie	97120	Winery and Vineyard	North Willamette Valley	
19	4650 N Innie	83	L	4650 N Innie	97120	Vineyard Only	All Large	
20	4650 N Innie	83	L	4650 N Innie	97120	Vineyard Only	North Willamette Valley	
21	4650 N Innie	83	L	4650 N Innie	97120	Vineyard Only	North Willamette Valley	
22	901 N SCOTT ST	81	L	901 N SCOTT ST	97111	Winery Only	North Willamette Valley	
23	5000 NE SCHOOL BLOSSER LANE	81	L	5000 NE SCHOOL BLOSSER LANE	97114	Winery Only	Dundee Hills	
24	18320 NE Fairview Dr	100	R	18320 NE Fairview Dr	97115	Vineyard Only	Dundee Hills	
25	18320 NE Fairview Dr	100	R	18320 NE Fairview Dr	97115	Vineyard Only	North Willamette Valley	
26	18320 NE Fairview Dr	100	R	18320 NE Fairview Dr	97115	Winery Only	North Willamette Valley	
27	18320 NE Fairview Dr	100	R	18320 NE Fairview Dr	97115	Vineyard Only	North Willamette Valley	
28	18320 NE Fairview Dr	100	R	18320 NE Fairview Dr	97115	Vineyard Only	North Willamette Valley	
29	18320 NE Fairview Dr	100	R	18320 NE Fairview Dr	97115	Winery Only	North Willamette Valley	
30	18320 NE Fairview Dr	100	R	18320 NE Fairview Dr	97115	Vineyard Only	North Willamette Valley	
31	8250 NE Hilltop Lane	100	R	8250 NE Hilltop Lane	97114	Winery and Vineyard	Dundee Hills	

Tabular output

Business Name	Business Address	city	sta	t ēzip	web site	Hours
Archery Summit	18599 NE Archery Summit Road	Dayton	OR	97114	archerysummit.com	Open, Visitors Welcome
Belle Pente Vineyards and Winery	12470 NE Rowland Rd	Carlton	OR	97111	www.bellepente.com	Open, Visitors Welcome; Open Memorial Day Weekend; Open Thanksgiving Weekend
DePonte Cellars	17545 Archery Summit Road	Dayton	OR	97114	deponcellars.com	By Appointment Only; Open Memorial Day Weekend; Open Thanksgiving Weekend
White Rose Wines	6250 NE Hilltop	Dayton	OR	97114	whiterosewines.com	Open Memorial Day Weekend; Open Thanksgiving Weekend

B&B	Golf	Hotel	Restaurant	Visitor info
Dundee Hills B and Bs			Fine dining in Dundee & Carlton	Center of Oregon's largest concentration of wineries & vineyards
Black Walnut Inn, Vineyard Retreat	Riverwood		Tina's, Dundee Bistro, Red Hills Provincial Dining	Center of Oregon's largest concentration of wineries & vineyards
Wine Country Farm	Michelbook Golfcourse	Red Lion McMinnville	Cuvee	Lumpy's, Oregon Wine Country
A Tuscan Inn	Bayou Golf Club, Michelbook Country Club (private)	McMenami ns Hotel	Nick's Italian cafe, La Rambla	Evergreen Air Museum

