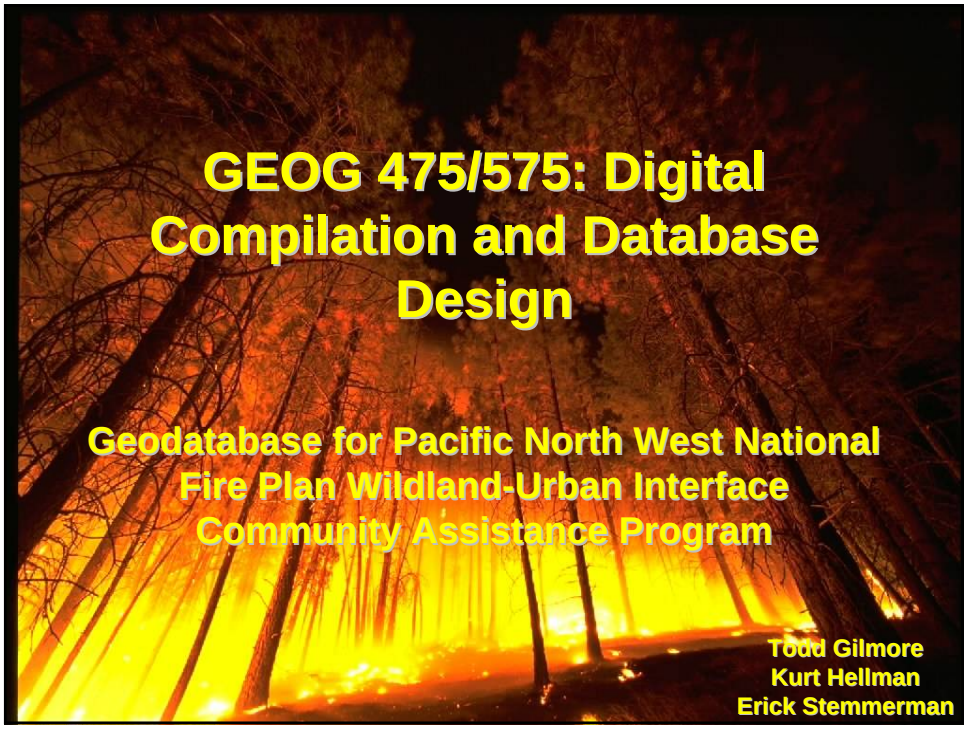
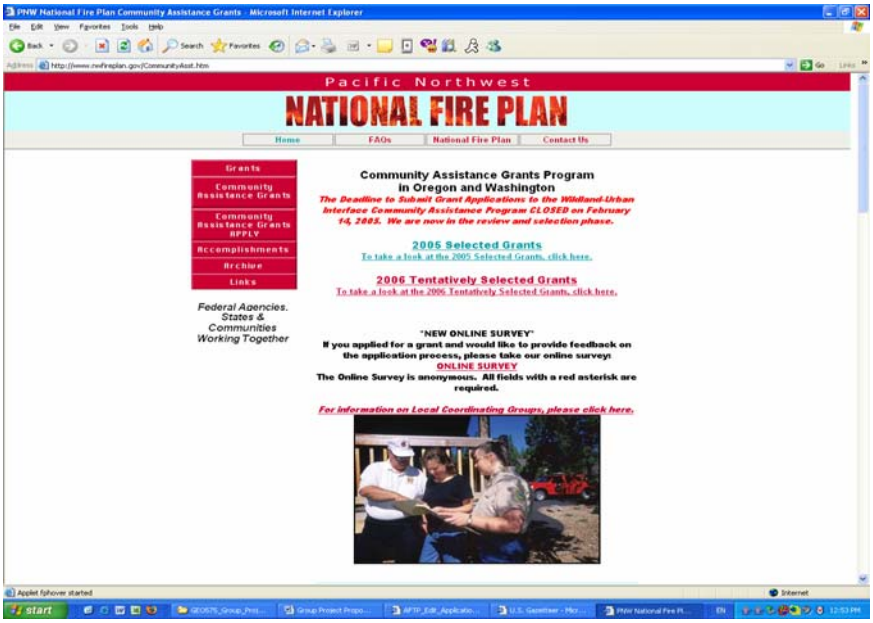


Outline

- Introduction & Background
- Design Objectives
- Data Layer Specifications and Geographic Extents
- Methods and Techniques
- Intended Application & Demonstration Application
- Limitations and Quality Statements
- References

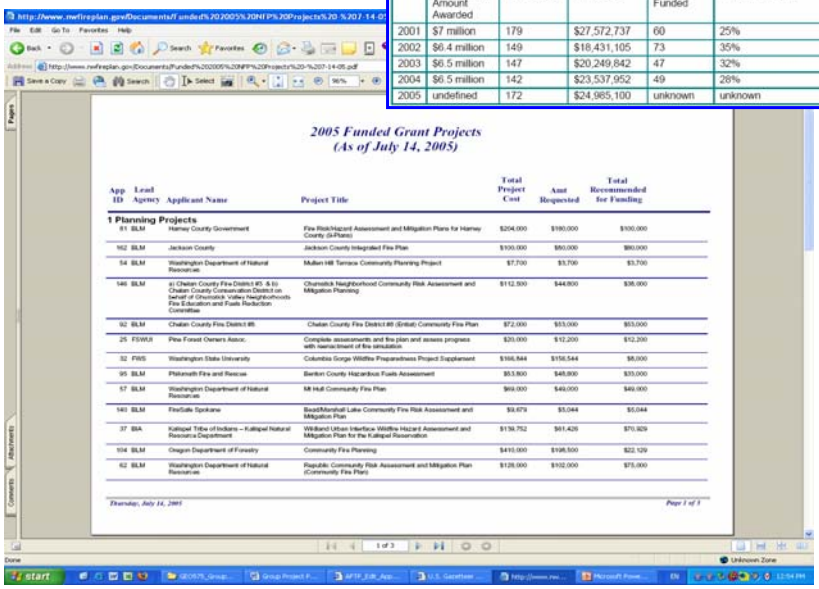


The Wildland-Urban Interface

The Raw Data

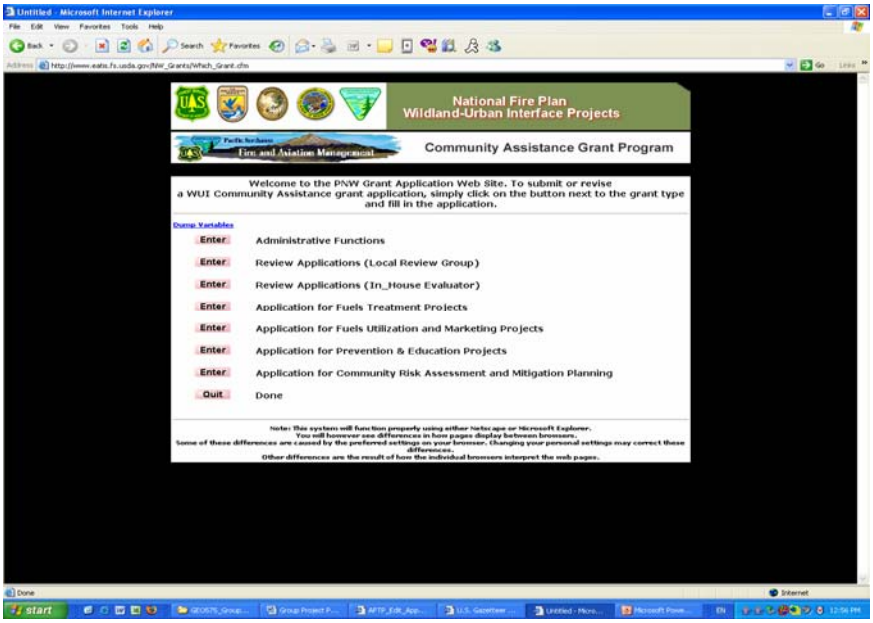
Wildland-Urban Interface Community Assistance Program Overview

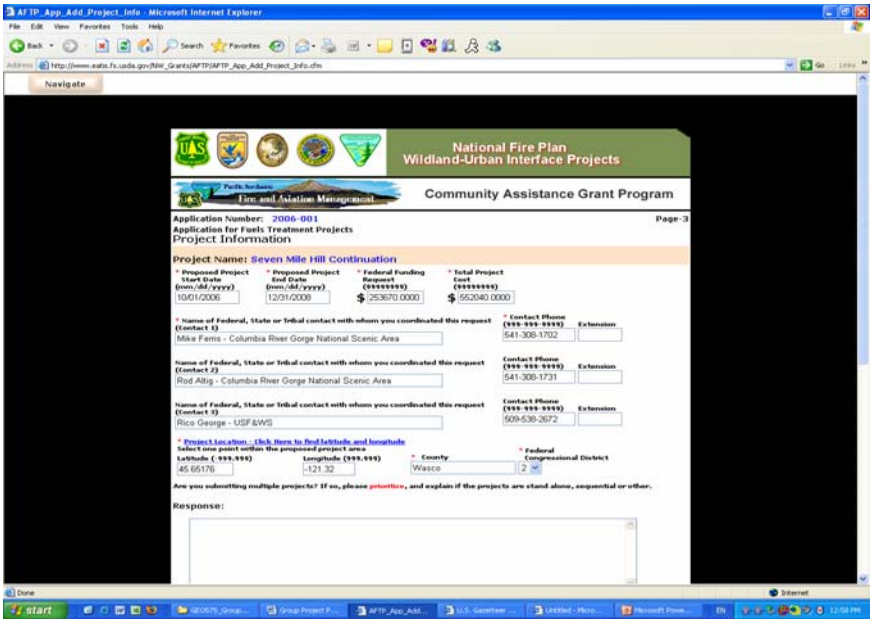
Year	Total Interagency Amount Awarded	Total # of Applications	Total Dollars Requested	Total # of Grants Funded	% of Requested Dollar Amount Funded
2001	$7 million	179	$27,572,737	60	25%
2002	$6.4 million	149	$18,431,105	73	35%
2003	$6.5 million	147	$20,249,842	47	32%
2004	$6.5 million	142	$23,537,952	49	28%
2005	undefined	172	$24,985,100	unknown	unknown



2005 Funded Grant Projects
(As of July 14, 2005)

App ID	Lead Agency	Applicant Name	Project Title	Total Project Cost	Amt Requested	Total Recommended for Funding
1 Planning Projects						
81	BLM	Harney County Government	Fire Risk/Hazard Assessment and Mitigation Plans for Harney County (9-Plans)	$204,000	$180,000	$100,000
162	BLM	Jackson County	Jackson County Integrated Fire Plan	$100,000	$80,000	$80,000
54	BLM	Washington Department of Natural Resources	Mullen Hill Terrace Community Planning Project	$7,700	$3,700	$3,700
146	BLM	a) Chelan County Fire District #5 & b) Chelan County Conservation District on behalf of Chumstick Valley Neighborhoods Fire Education and Fuels Reduction Committee	Chumstick Neighborhood Community Risk Assessment and Mitigation Planning	$112,500	$44,800	$36,000
92	BLM	Chelan County Fire District #6	Chelan County Fire District #6 (Entiat) Community Fire Plan	$72,000	$53,000	$53,000
25	FSWUI	Pine Forest Owners Assoc.	Complete assessments and fire plan and assess progress with reenactment of fire simulation	$20,000	$12,200	$12,200
32	FWS	Washington State University	Columbia Gorge Wildfire Preparedness Project Supplement	$168,844	$156,544	$8,000
95	BLM	Philonelli Fire and Rescue	Benton County Hazardous Fuels Assessment	$53,800	$48,800	$33,000
57	BLM	Washington Department of Natural Resources	Mt Hull Community Fire Plan	$69,000	$49,000	$49,000
140	BLM	FireSafe Spokane	Read/Marshall Lake Community Fire Risk Assessment and Mitigation Plan	$9,679	$5,044	$5,044
37	BIA	Kalispel Tribe of Indians – Kalispel Natural Resource Department	Wildland Urban Interface Wildfire Hazard Assessment and Mitigation Plan for the Kalispel Reservation	$139,752	$61,426	$70,929
104	BLM	Oregon Department of Forestry	Community Fire Planning	$410,000	$198,500	$22,129
62	BLM	Washington Department of Natural Resources	Republic Community Risk Assessment and Mitigation Plan (Community Fire Plan)	$128,000	$102,000	$75,000


Untitled - Microsoft Internet Explorer
National Fire Plan
Wildland-Urban Interface Projects
Community Assistance Grant Program
Welcome to the PNW Grant Application Web Site. To submit or revise a WUI Community Assistance grant application, simply click on the button next to the grant type and fill in the application.
Dump Variables
Enter Administrative Functions
Enter Review Applications (Local Review Group)
Enter Review Applications (In_House Evaluator)
Enter Application for Fuels Treatment Projects
Enter Application for Fuels Utilization and Marketing Projects
Enter Application for Prevention & Education Projects
Enter Application for Community Risk Assessment and Mitigation Planning
Quit Done


AFTP_App_Add_Project_Info - Microsoft Internet Explorer
Navigate
National Fire Plan
Wildland-Urban Interface Projects
Community Assistance Grant Program
Application Number: 2006-001
Page-3
Application for Fuels Treatment Projects
Project Information
Project Name: Seven Mile Hill Continuation
10/01/2006
12/31/2008
$ 253670.0000
$ 552040.0000
Mike Ferris - Columbia River Gorge National Scenic Area
541-308-1702
Rod Altig - Columbia River Gorge National Scenic Area
541-308-1731
Rico George - USF&WS
509-538-2672
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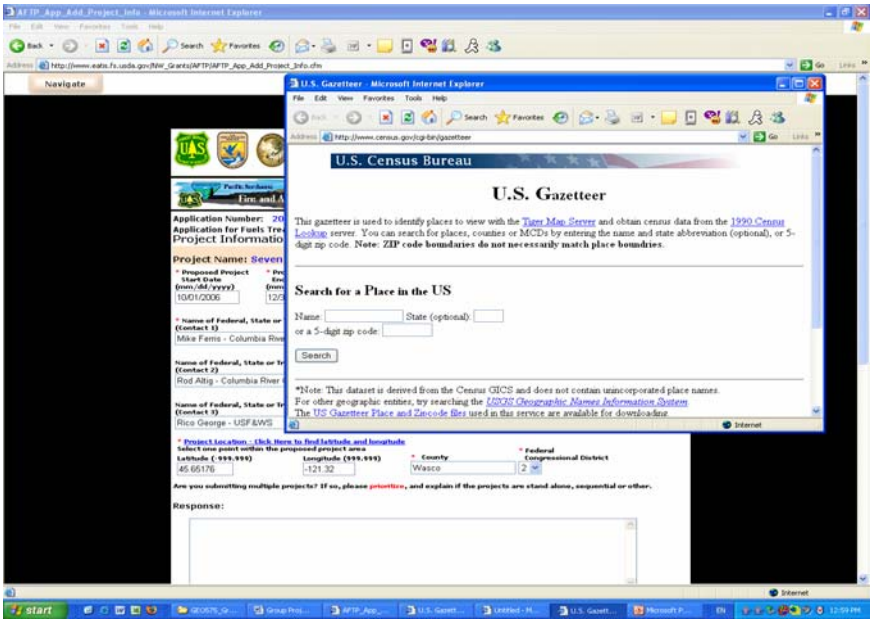
-121.32
Wasco
Response:



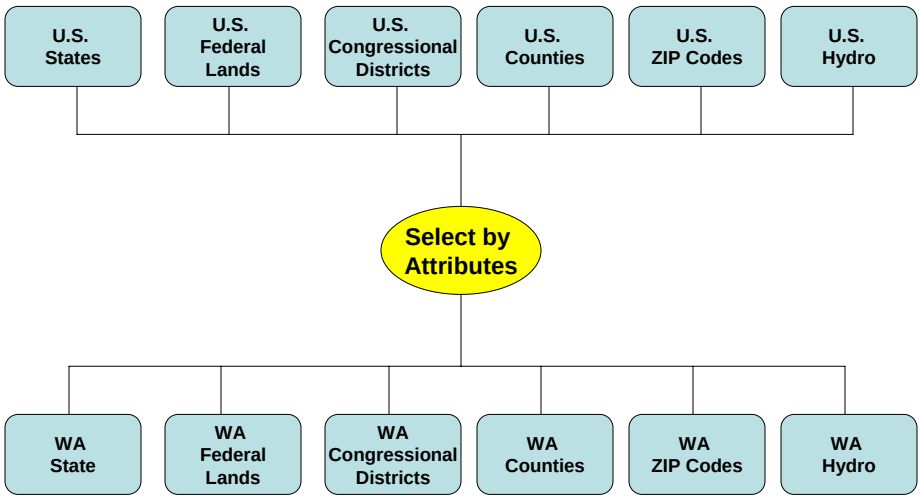
Data Layer Specifications and Geographic Extents

- Region 6 for the U.S. Forest Service and the Bureau of Land Management
- Washington and Oregon.

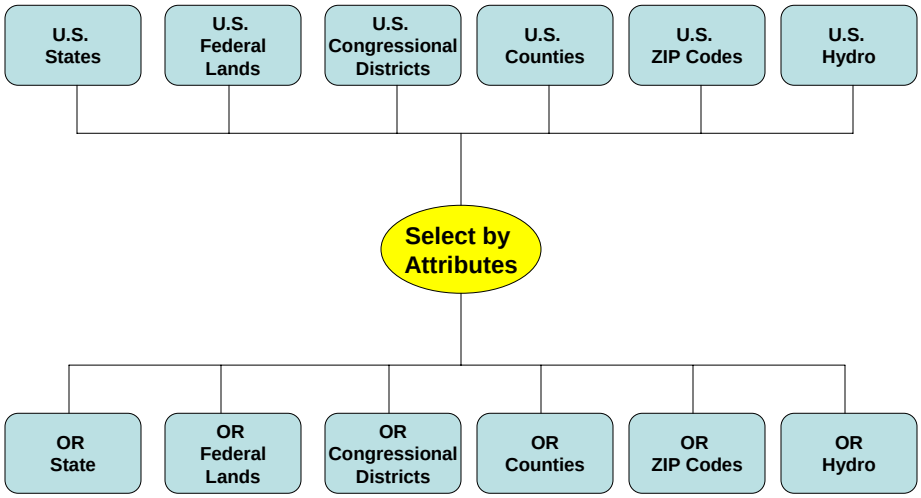
Spatial Data

Source	Original Data Layer	Method Used To Extract Selected Data Layers	Selected Data Layer(s)
ESRI	U.S. States	Select by attributes	WA State; OR State
ESRI	U.S. Zip Codes	Select by attributes	WA Zip Codes; OR Zip Codes
ESRI	U.S. Counties	Select by attributes	WA State Counties; OR State Counties
ESRI	U.S. Federal Lands	Select by attributes	WA State Federal Lands; OR State Federal Lands
ESRI	U.S. Congressional Districts	Select by attributes	WA State Congressional Districts; OR State Congressional Districts
ESRI	U.S. Hydro	Select by attributes	WA State Hydro; OR State Hydro

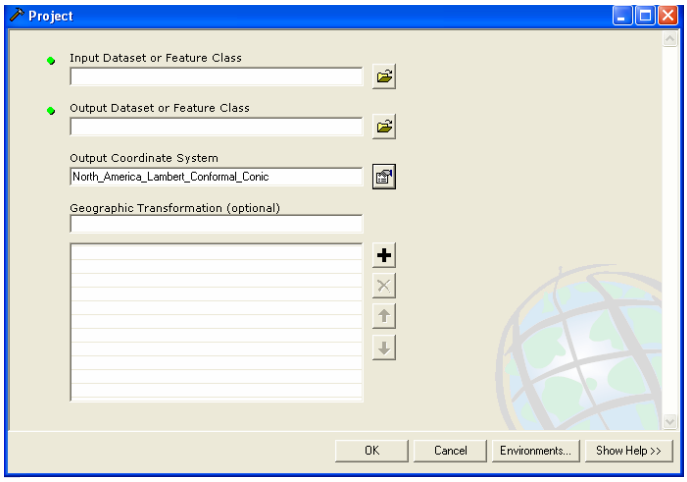
WA State Data Extraction



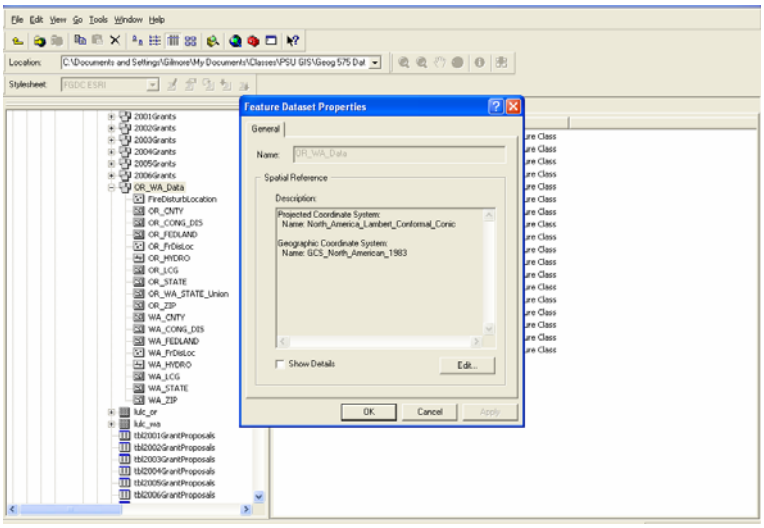
OR State Data Extraction



Data Reprojection



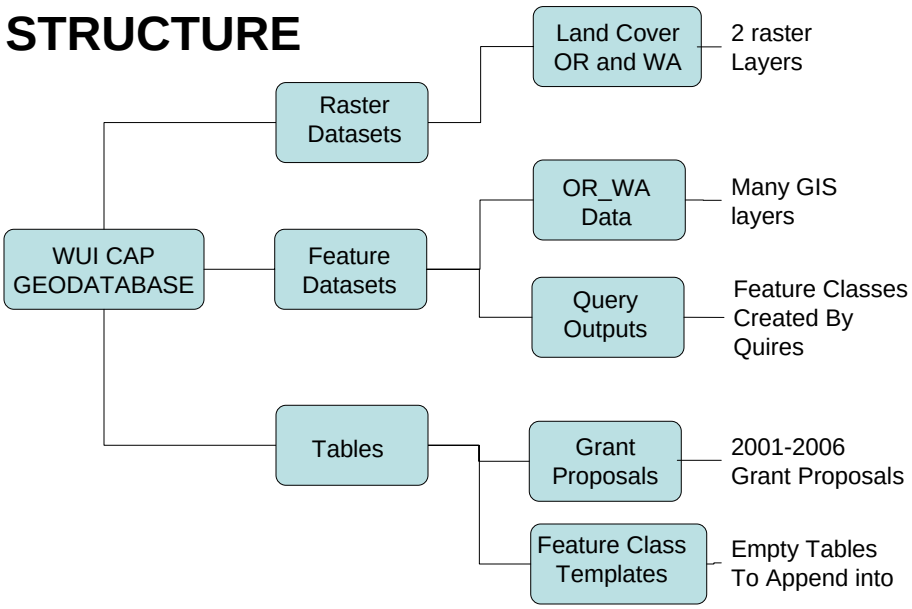
Geodatabase Spatial Reference



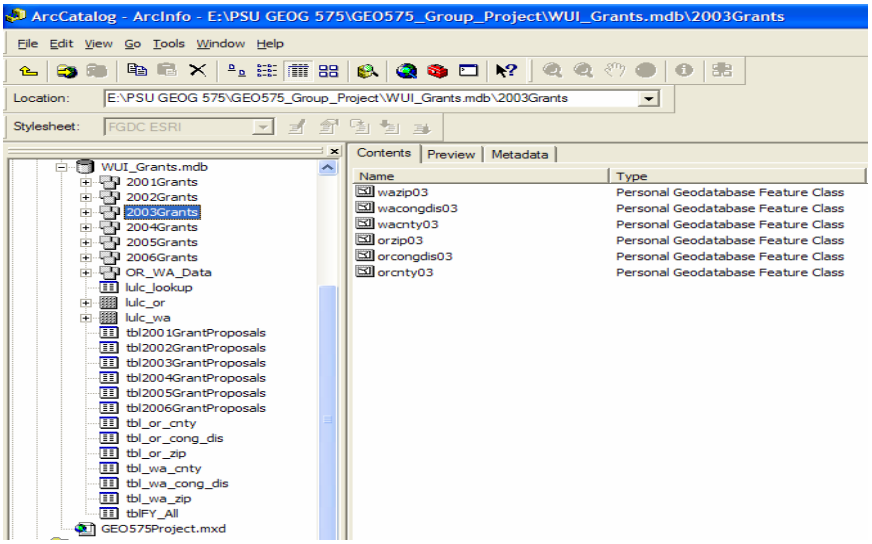
Design Objectives

- Transfer the information currently in the Access database into a geodatabase.
- Combine this with associated land cover and jurisdictional map features.
- Finally display attribute and spatial data

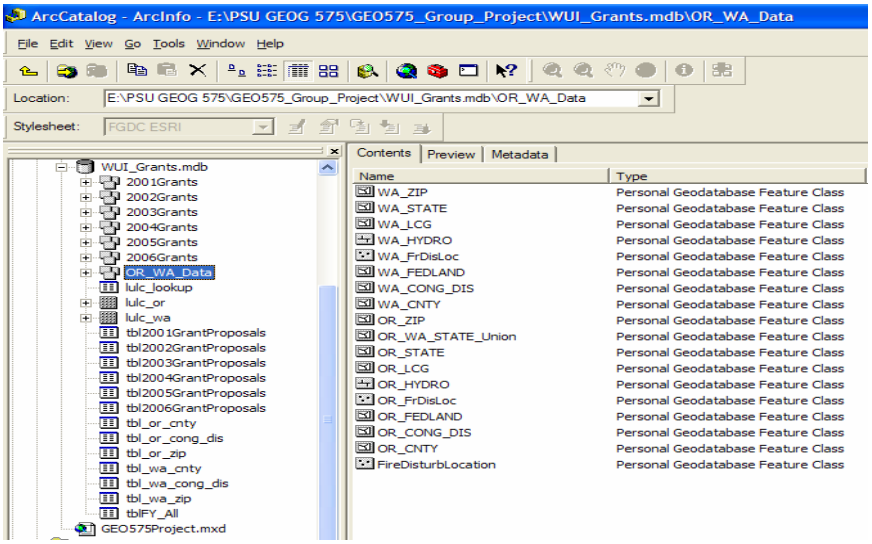
GEODATA BASE STRUCTURE



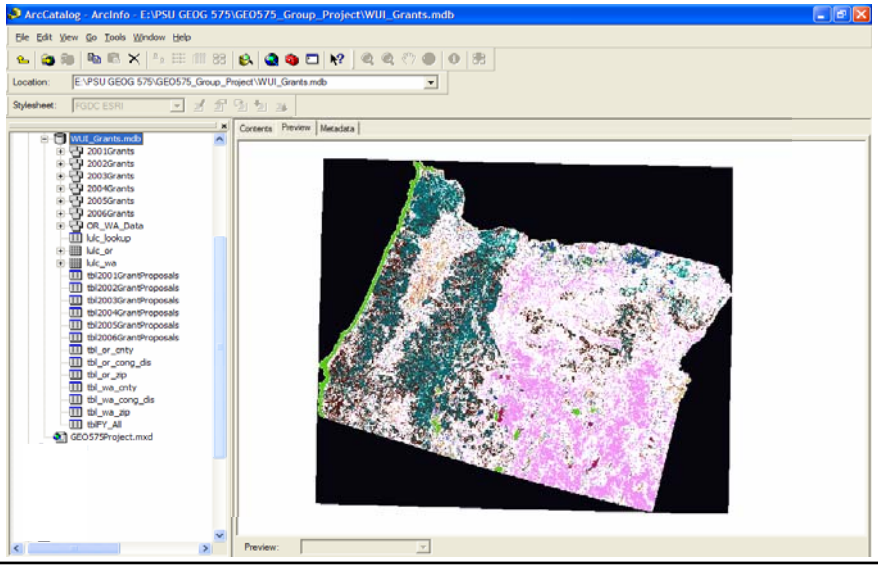
Feature Datasets and Attributes



Feature Datasets and Attributes



Raster Datasets



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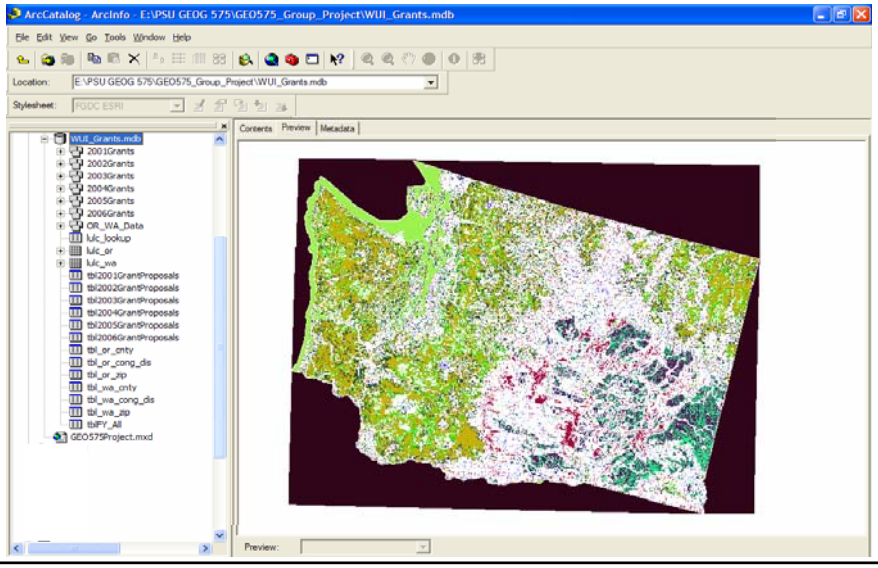
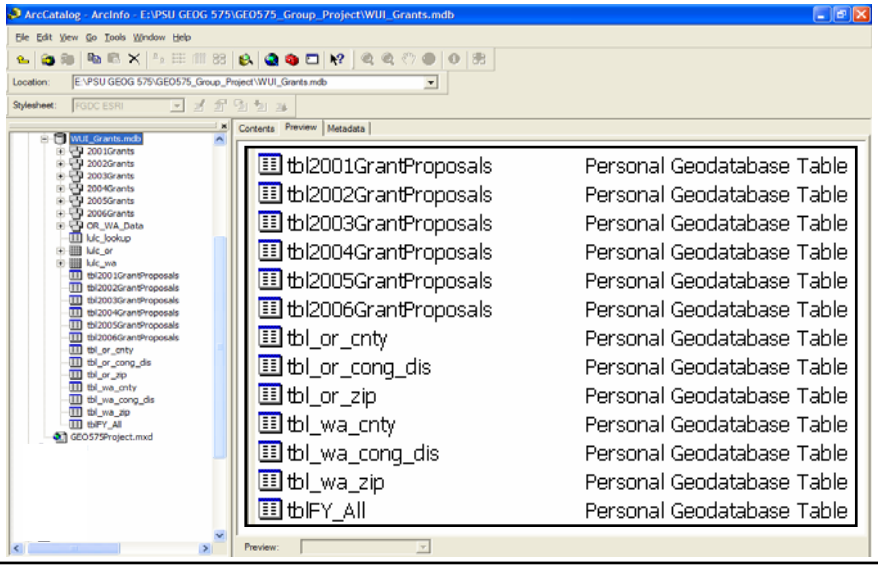


Tabular Data



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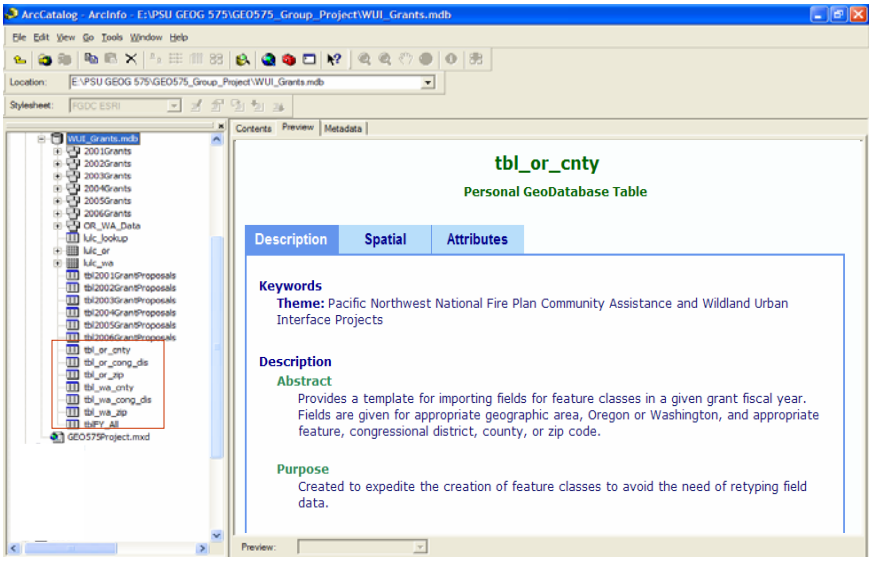
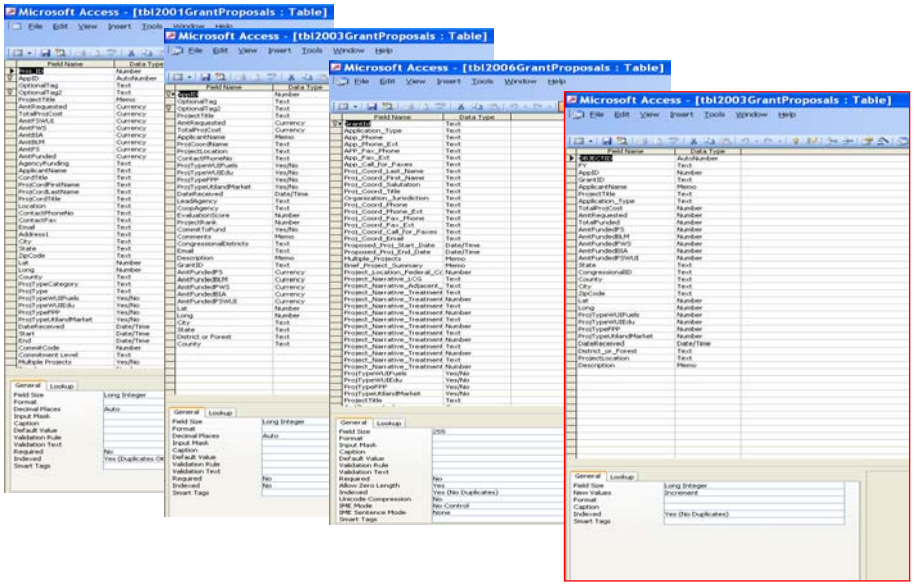


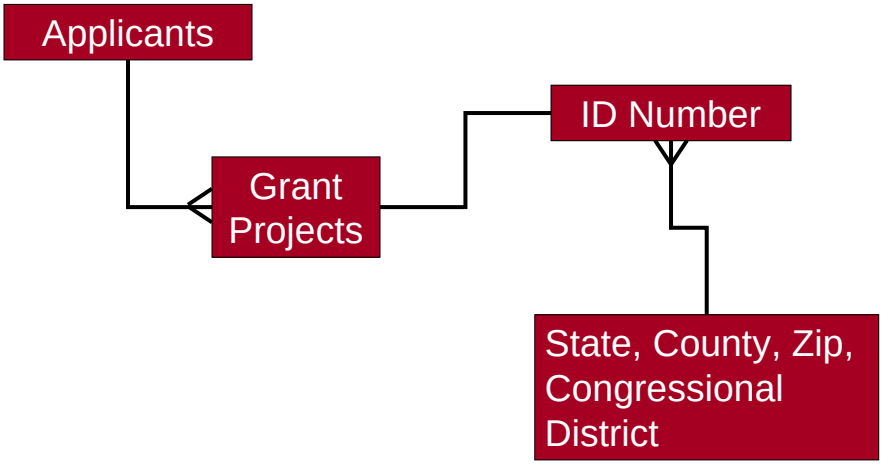
Methods and Techniques

- ArcCatalog
- Microsoft Access
- Lots of Coffee

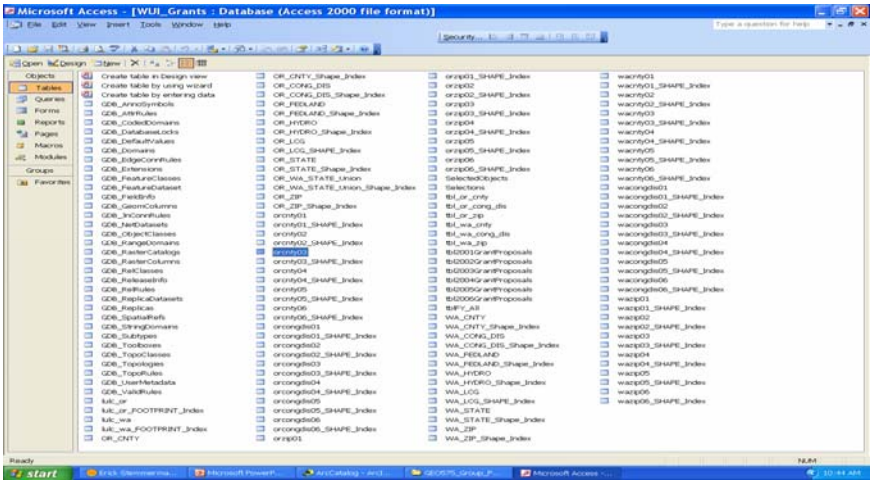
Normalization/Standardization



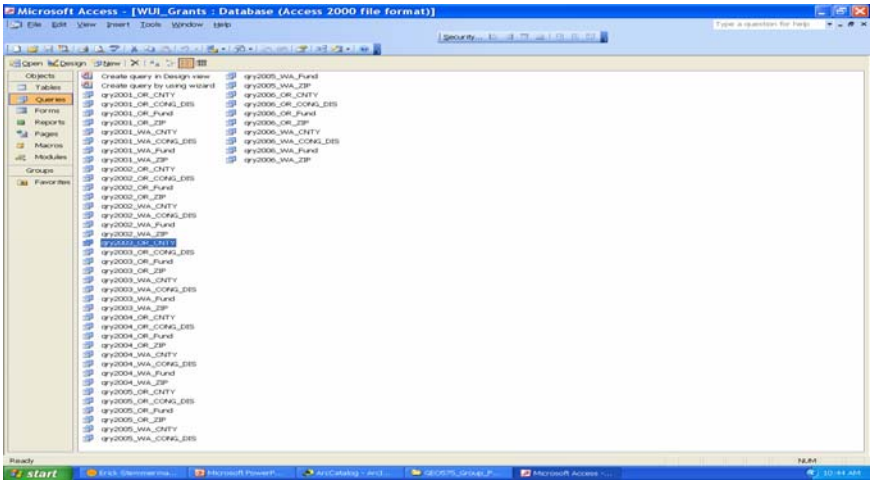
DATA BASE E-R CONNECTIONS



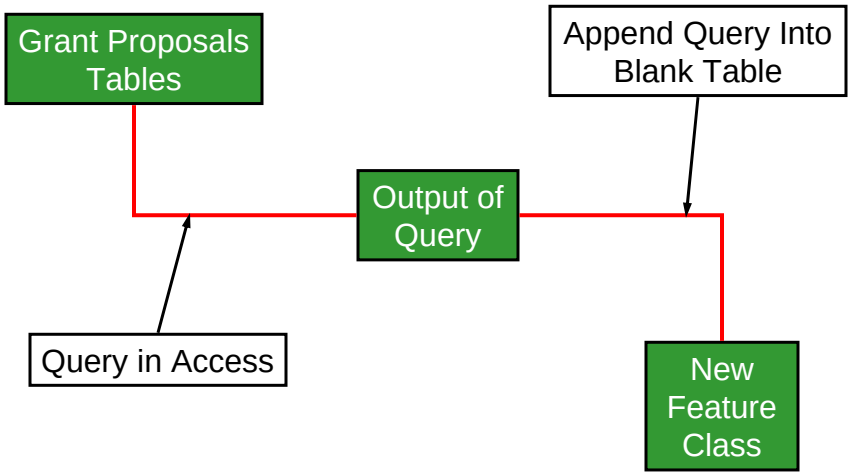
Access view of Tables



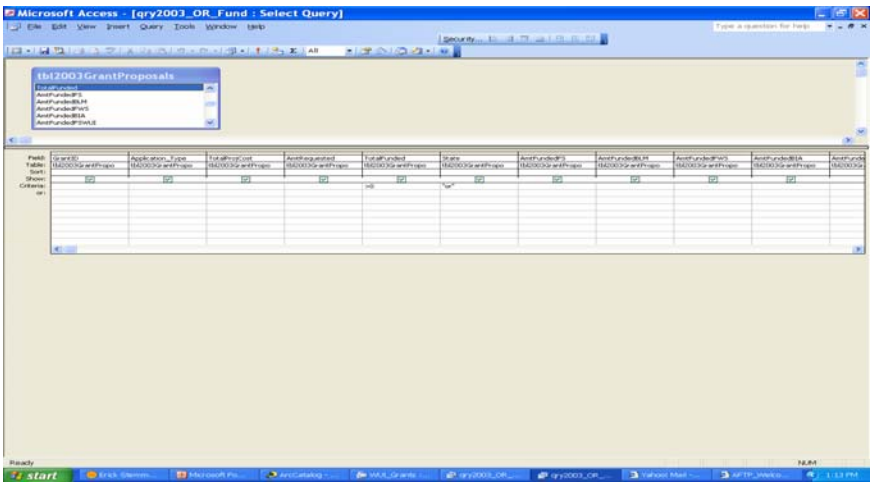
Queries in Access



PROSCESS



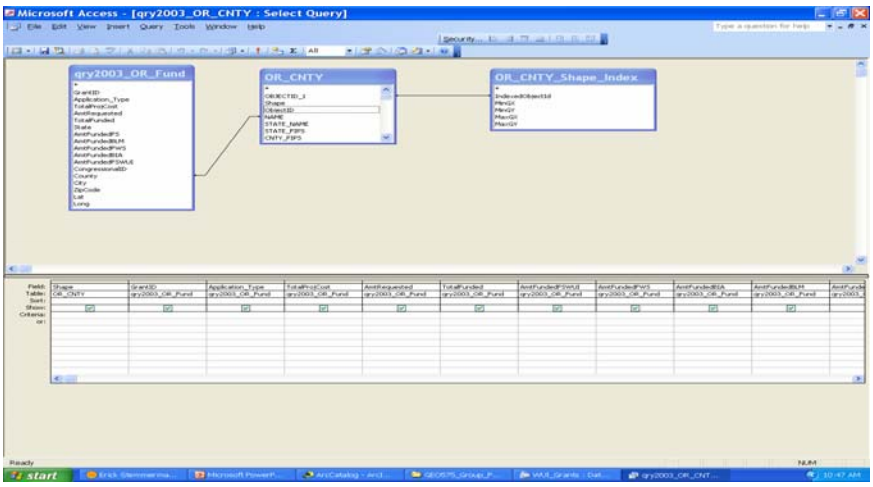
Query for State and Funded



SQL for State and Funded

- SELECT tbl2003GrantProposals.GrantID, tbl2003GrantProposals.Application_Type, tbl2003GrantProposals.TotalProjCost, tbl2003GrantProposals.AmtRequested, tbl2003GrantProposals.TotalFunded, tbl2003GrantProposals.State, tbl2003GrantProposals.AmtFundedFS, tbl2003GrantProposals.AmtFundedBLM, tbl2003GrantProposals.AmtFundedFWS, tbl2003GrantProposals.AmtFundedBIA, tbl2003GrantProposals.AmtFundedFSWUI, tbl2003GrantProposals.CongressionalID, tbl2003GrantProposals.County, tbl2003GrantProposals.City, tbl2003GrantProposals.ZipCode, tbl2003GrantProposals.Lat, tbl2003GrantProposals.Long
- FROM tbl2003GrantProposals
- WHERE (((tbl2003GrantProposals.TotalFunded)>0) AND ((tbl2003GrantProposals.State)="or"));

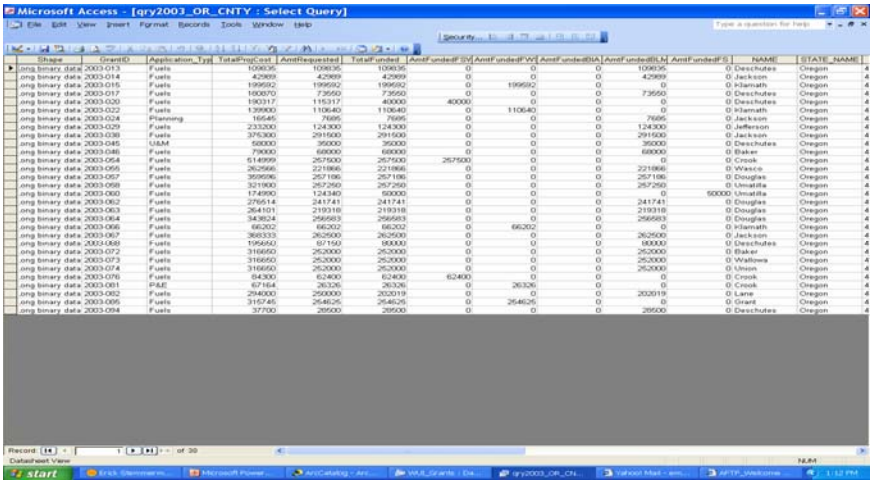
Query for Counties



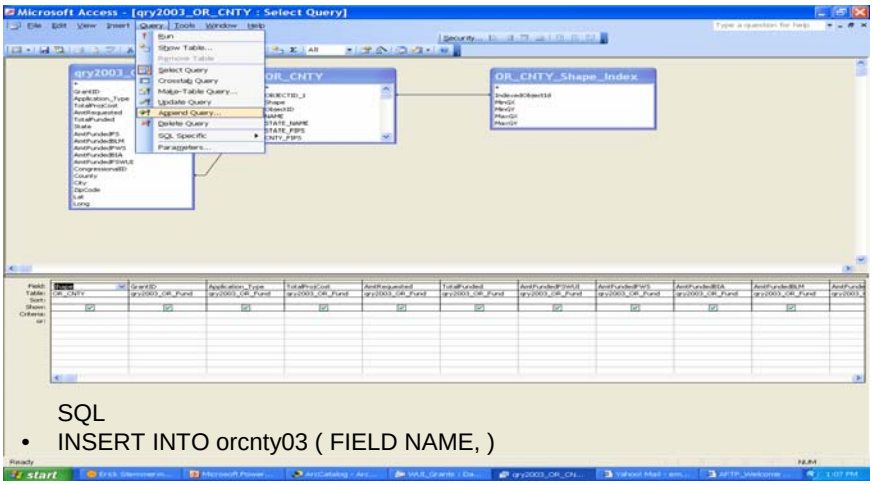
SQL for Counties

- SELECT OR_CNTY.Shape, qry2003_OR_Fund.GrantID, qry2003_OR_Fund.Application_Type, qry2003_OR_Fund.TotalProjCost, qry2003_OR_Fund.AmtRequested, qry2003_OR_Fund.TotalFunded, qry2003_OR_Fund.AmtFundedFSWUI, qry2003_OR_Fund.AmtFundedFWS, qry2003_OR_Fund.AmtFundedBIA, qry2003_OR_Fund.AmtFundedBLM, qry2003_OR_Fund.AmtFundedFS, OR_CNTY.NAME, OR_CNTY.STATE_NAME, OR_CNTY.STATE_FIPS, OR_CNTY.CNTY_FIPS, OR_CNTY.FIPS, OR_CNTY.SQMI, OR_CNTY.Shape_Length, OR_CNTY.Shape_Area
- FROM (OR_CNTY INNER JOIN OR_CNTY_Shape_Index ON OR_CNTY.OBJECTID_1 = OR_CNTY_Shape_Index.IndexedObjectId) INNER JOIN qry2003_OR_Fund ON OR_CNTY.NAME = qry2003_OR_Fund.County;

Query Output



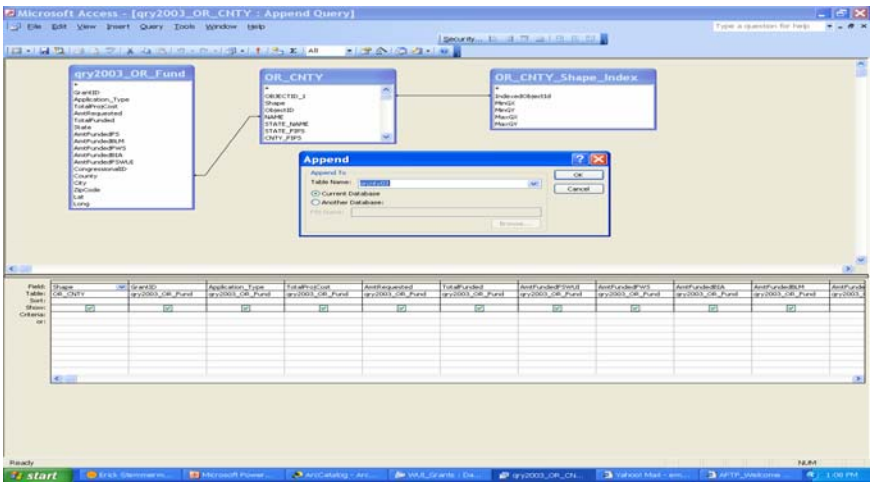
Append Query



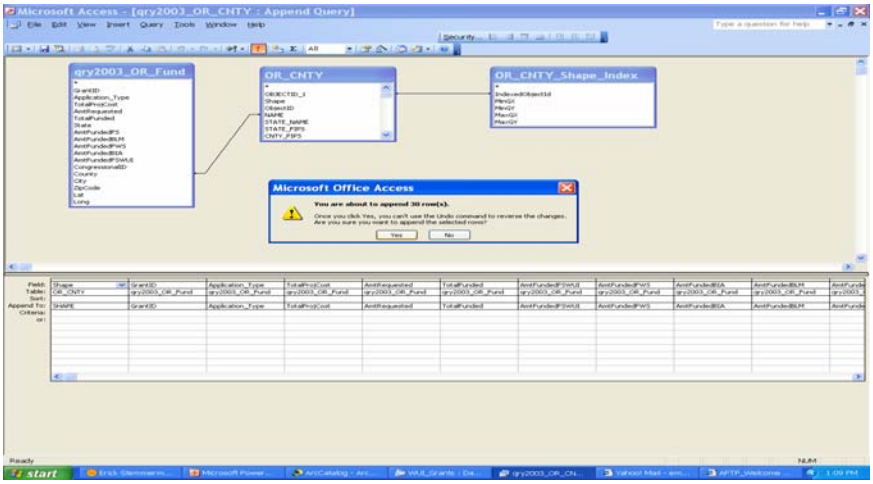
SQL

- INSERT INTO orcnty03 (FIELD NAME,)

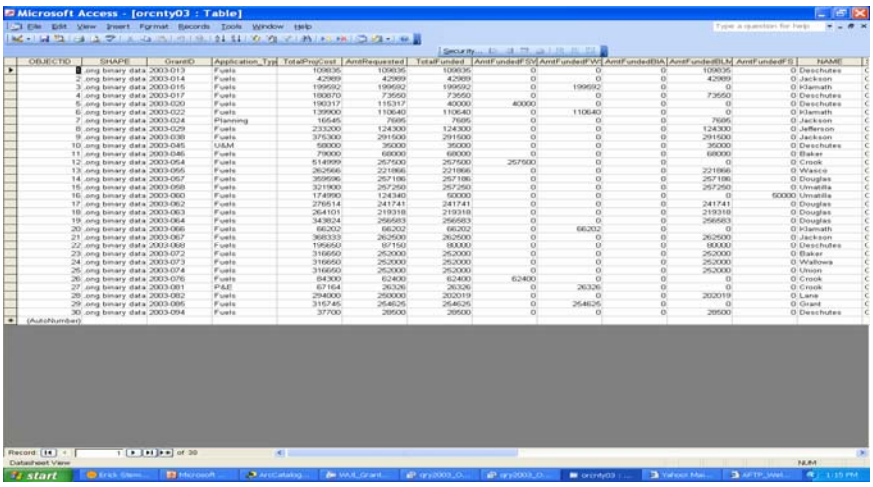
Append Query



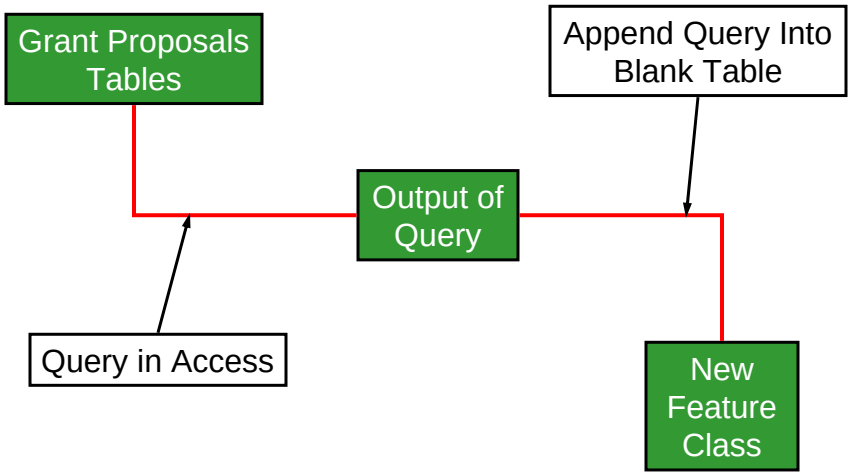
Append Query



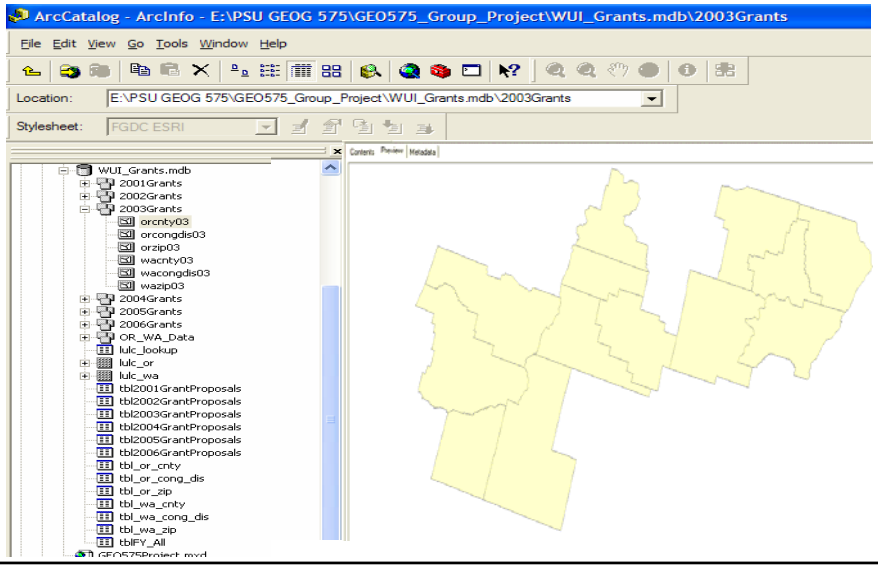
Query Append Output



PROSCESS



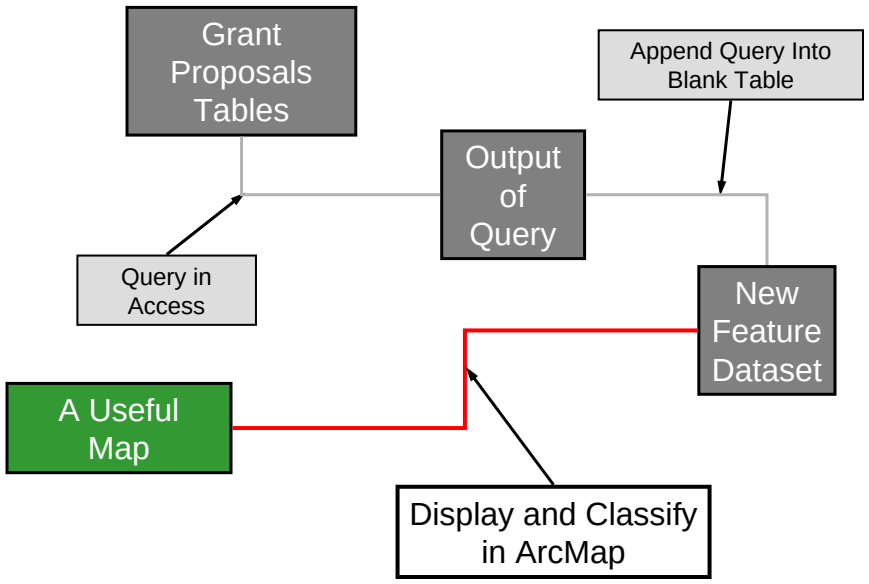
Feature Class from Append



Intended Application & Demonstration Application

- To assist federal and state land mangers in making decisions for the allocation of grant funds in support of the National Fire Plan

Demonstration Application Process

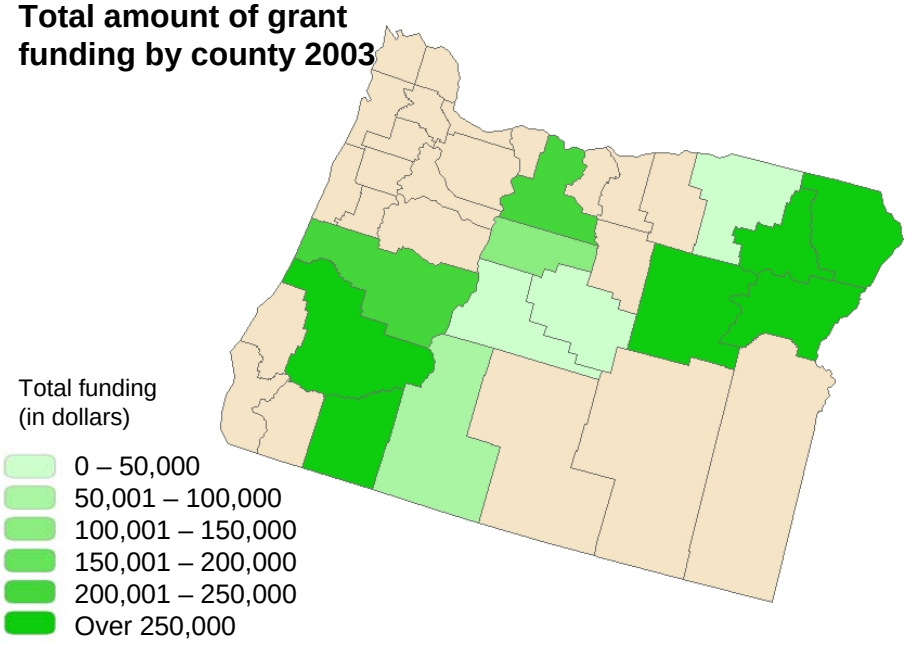


Demonstration of the utility of the Database

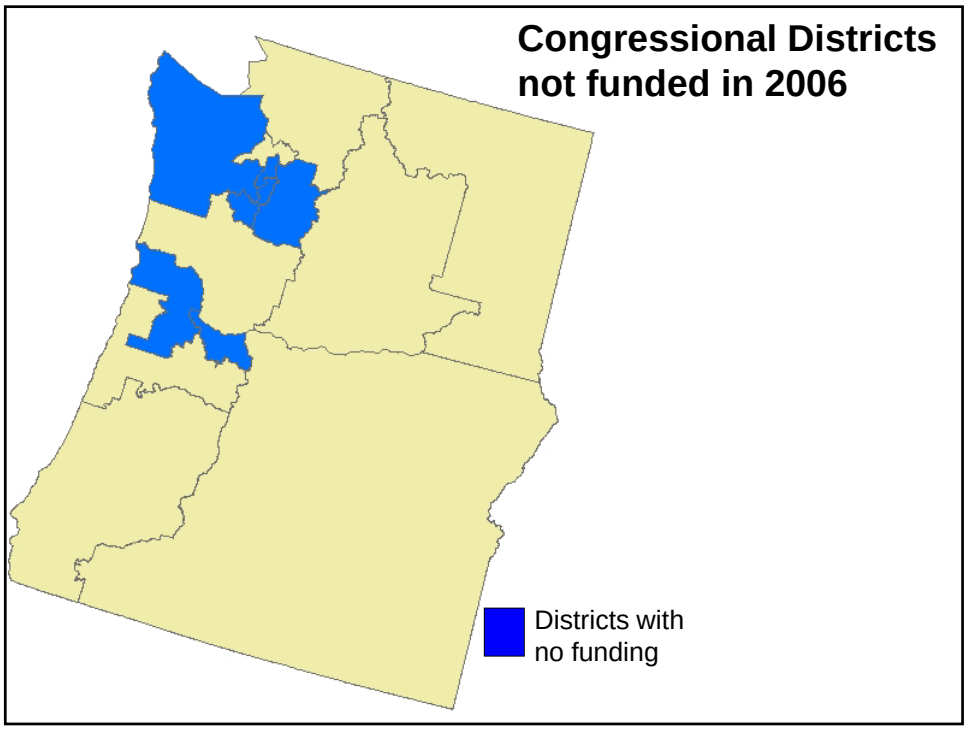
A few hypothetical questions and answers

- What counties are did we award grants to in Oregon in 2003?
- In 2006 which Congressional Districts in both Oregon and Washington didn't get awarded any grant money?
- Where did we award money in Washington in 2005 and 2006 and is it near federal lands and where fires have happened?
- Can we use grant point data for 2003 to show if awards were near fire disturbances?

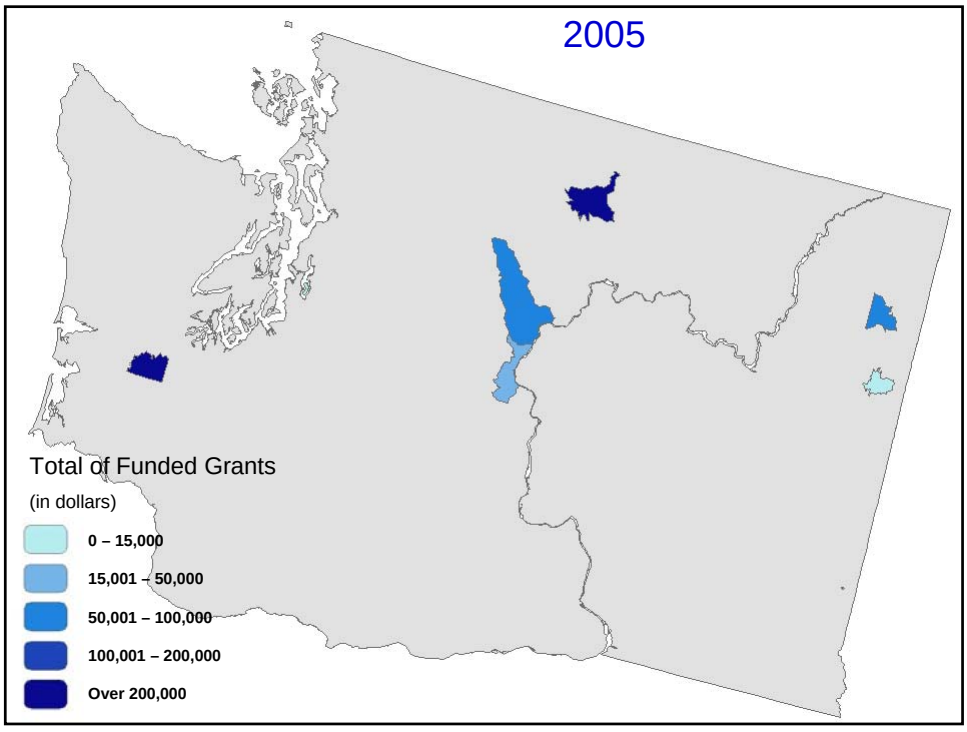
Total amount of grant funding by county 2003

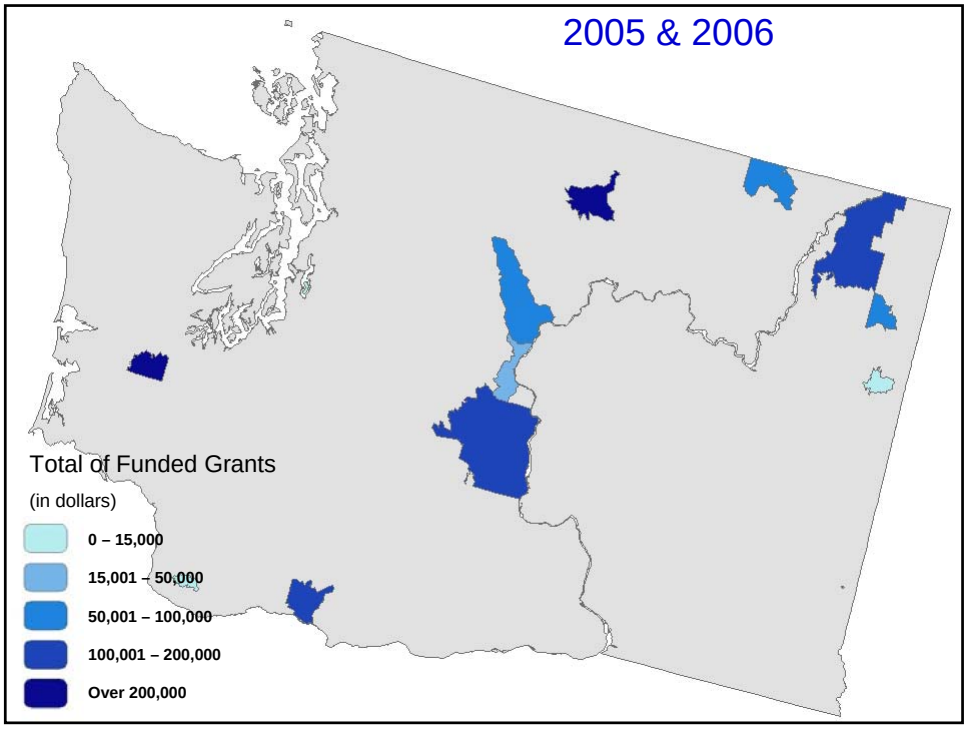


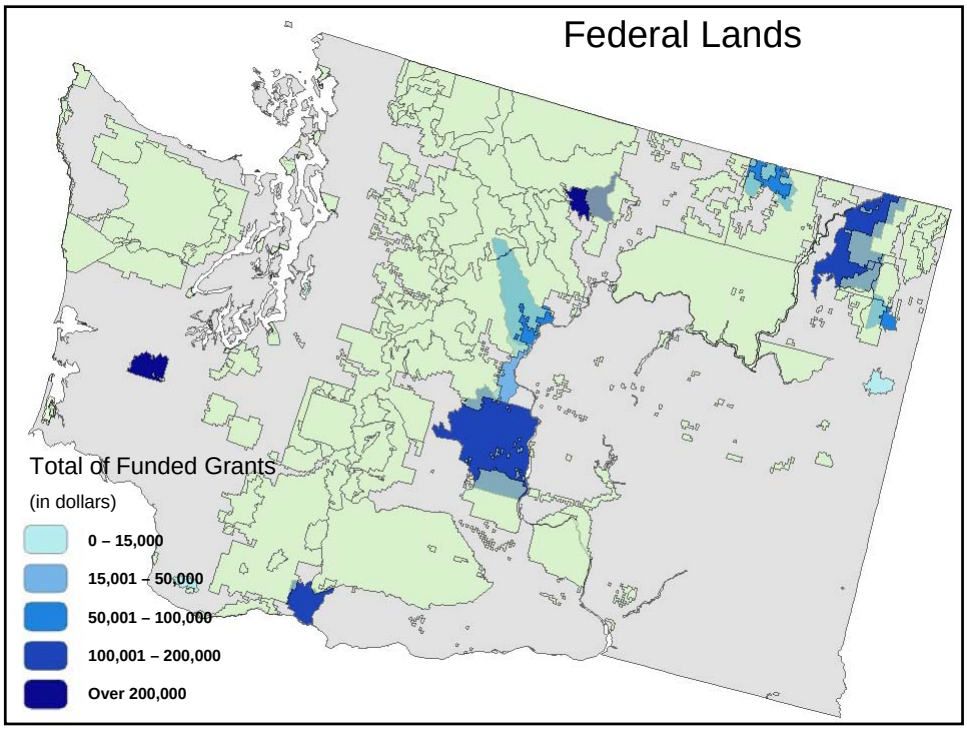
In 2006 which Congressional Districts in both Oregon and Washington didn't get awarded any grant money?

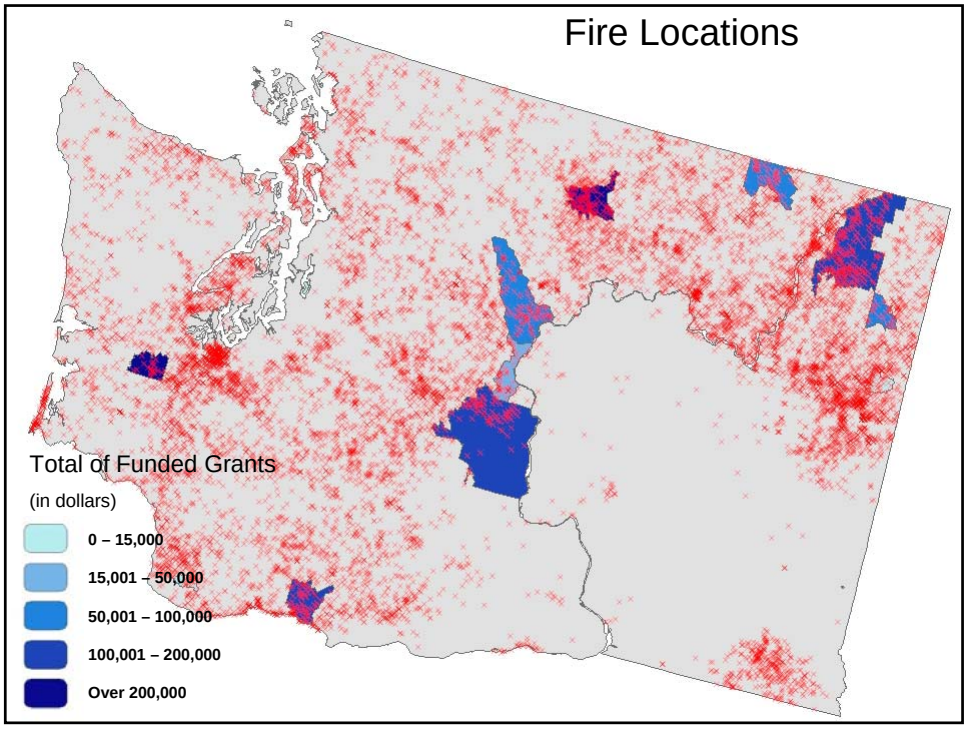


Where did we award money in Washington in 2005 and 2006 and is it near Federal Lands and where fires have happened?

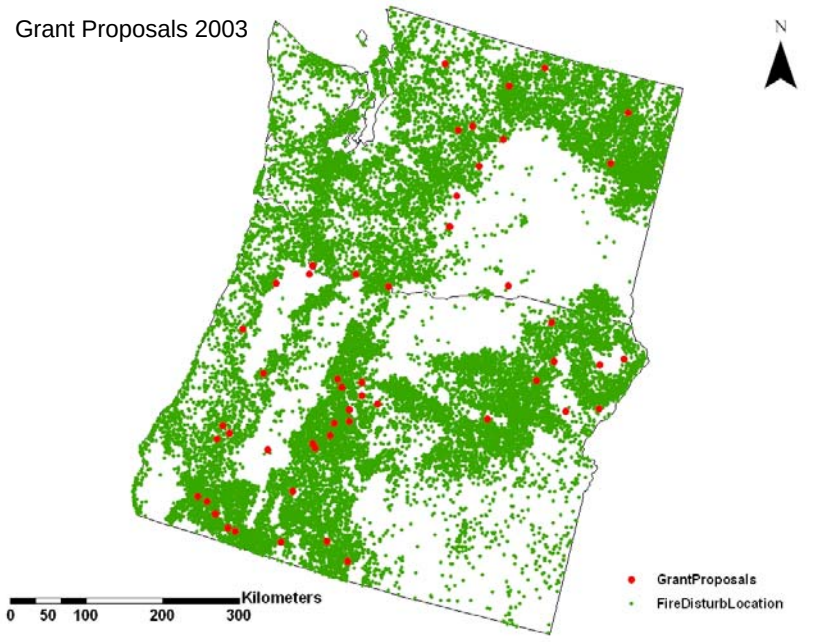



2005 & 2006
Total of Funded Grants
(in dollars)
0 – 15,000
15,001 – 50,000
50,001 – 100,000
100,001 – 200,000
Over 200,000


Federal Lands
Total of Funded Grants
(in dollars)
0 – 15,000
15,001 – 50,000
50,001 – 100,000
100,001 – 200,000
Over 200,000



Can we use grant point data for 2003 to show if awards were near fire disturbances?



Limitations and Quality Statements

- There are many limitations to the current Geodatabase
- New layers should be defined and added
- Continue to improve past data accuracy and future data capture from applicants
- It is a vast improvement over previous methods of display and analysis

References

- BLM. (2005a). *Community Assistance Grants Background Information*. Retrieved Oct. 22, 2005, from http://www.nwfireplan.gov/Documents/Background.pdf
- BLM. (2005b). *National Fire Plan - Pacific Northwest - Interagency Grant Opportunities*. Retrieved Oct. 22, 2005, from http://www.nwfireplan.gov/Documents/Grants%20Summary.pdf
- BLM. (2005c). *Program Fact Sheet: National Fire Plan, Wildland-Urban Inerface Community Assistance Projects*. Retrieved Oct. 22, 2005, from http://www.nwfireplan.gov/Documents/Program%20Fact%20Sheet.pdf
- ESRI Data
- Wood, B. (2005). *Pacific Northwest Wildfire Coordinating Group*. Retrieved Oct. 22, 2005, from http://www.nwfireplan.gov/Documents/PNWCG%20Call%20for%20Applications.pdf