



**Land Use and Travel Demand
Forecasting Models**

*Data Sources for Travel
Demand and Land Use
Forecasting*

final
report

prepared for

Puget Sound Regional Council

prepared by

University of Washington

with

Cambridge Systematics, Inc.

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1.0 Introduction

This document is one of a series of documents developed for the Documentation, Enhancement, and Support of the Puget Sound Regional Council's Land Use and Travel Demand Forecasting Models. The full series of reports is as follows:

- Executive Summary,
- Documentation of the *Current* Models,
- Validation of the *Current* Models,
- Documentation of the *New* Models,
- User's Guide of the *New* Models,
- Validation of the *New* Models,
- Data Sources for Travel Demand and Land Use Forecasting,
- Assessment of Model Requirements,
- Review of Literature and Operational Models, and
- Model Design Recommendations.

There is one additional report that was prepared for the Washington State Department of Transportation on the *Response of Concerns about the PSRC Travel Models*. This report was developed in conjunction with the validation for the *current* and *new* models and provided responses to concerns that have been raised about the PSRC travel models.

■ 1.1 Purpose of the Report

The purpose of the *Data Sources for Land Use and Travel Demand Forecasting* report is to identify data that may be used in the development of new PSRC land use and transportation models. An effort has been made to identify data that are already available at PSRC, could be obtained from other sources, or could be collected by PSRC. In all cases, the intent has been to identify data for a base year of 2000. The two main goals of this effort were:

1. Compiling a comprehensive list of important data and sources; and
2. Initiating the acquisition of year 2000 data that might not be archived and would be unavailable for the year 2000, if not acquired now.

■ 1.2 Contents of the Report

The *Data Sources for Land Use and Travel Demand Forecasting* report contains a data inventory that categorizes data into 10 overall groups in Section 2.0. Section 3.0 presents a summary of these data and recommendations for taking action on obtaining specific data items.

2.0 Data Inventory

Tables 2.1 through 2.10 detail the inventory of data sources that are helpful to developing and applying travel demand and land use forecasting models. The data are organized into 10 categories, as follows:

1. Census (Table 2.1),
2. Employment (Table 2.2),
3. Environment (Table 2.3),
4. Infrastructure (Table 2.4),
5. Land use (Table 2.5),
6. Parcel data (Table 2.6),
7. Political boundaries (Table 2.7),
8. Real estate market (Table 2.8),
9. Remote sensing (Table 2.9), and
10. Transportation (Table 2.10).

The inventory of available or needed data has been organized in the attached tables according to anticipated priority for model development, as follows:

- Priority 1 items are those which are typically used for model development, and are either readily available or need to be obtained or collected;
- Priority 2 items are those that are not typically used in land use and transportation model development, but which we recommend as having high potential benefit in model development, and which warrant effort to obtain or collect; and
- Priority 3 items are those that are listed as potential resources, but which have a relatively low priority for model development and are not recommended for any action at this time.

Data source, data description, and source contact information are included in the tables, as well as the completion status of the data set (status) and the cost of acquiring the data. Other fields reflect metadata, including the year of data collection (vintage), status of data archival, data resolution, the form of data distribution (type), and the data's geographic extent (coverage). The 'acquired' field keeps track of collected or ordered data and indicates who acquired the data. If a purchase order form is necessary, or data availability requires further explanation, such as a map, the 'comments' field will refer you to a URL site or to an attachment.

The enclosed data inventory will be used as a resource in the model design process. A final assessment may be best made after further work on the model design, based on likely model data requirements that emerge from that process.

Table 2.1 Census Data Sources

	2000 Census PL 94-171 Summary File	TIGER/Line Files	U.S. Census SF 3
Data priority type	1	1	1
Source	U.S. Census Bureau	U.S. DOT, Bureau of Transportation Statistics	U.S. Census Bureau
Data description	Information for redistricting - Total population; population over 18 years old; race	Contains characteristics of persons, workers and households for traffic analysis zones, census block groups or census tracts, depending on local preferences	Census Bureau database of geographic features. Test files are currently available for Census 2000.
PSRC owns?	Will acquire	Will acquire	1998 - yes
UW owns?	Will acquire	Will acquire	1995 - yes
Collected for Y2000	Available April 2001	Available after April 2001	Available March or April 2001
Resolution	To block level	TAZ, census blocks groups and tracts	N/A
Type	Database	Database on CD-ROM	ASCII
Coverage	U.S.	CTPP region defined by MPOs	U.S.
Comments	Available April 2001	Fields vary by county.	http://www.census.gov/geo/www/tiger/index.html . Available on DVD
PSRC contacts			
Source contacts	www.census.gov	Government Publications at UW Library, Regional Federal Depository Libraries or Census Bureau Regional Offices	http://www.census.gov/geo/tiger99/tl_1999.html - for 1999
Status	Available April 2001	Yr. 2000 Available after April 2001	Complete for 1999
Cost	Free	Free	Free for 1999
Acquired	Not yet available	Not yet available	Not yet available

Table 2.2 Employment Data Sources

	Government Education and Employment Survey	Population and Employment Estimates	Washington State Employment Security Department Establishment File
Data priority type	1	1	1
Source	ESD	PSRC	ESD
Data description	Information on government and educational establishment employment	Annual population, household, and employment (covered) estimates from the 1990 base year.	PSRC has ongoing contract for annual data from ESD and geocodes it. From 1995 on, data for number of employees, street address, total wages paid in 3-month period, and business name. Four-digit SIC codes.
PSRC owns?	Yes	Yes	Yes
UW owns?	No	Yes	Yes
Collected for Y2000	Expected in February/ March 2000	No	Yes, expected to be complete in June or July
Vintage	1995, 1999	At least 1996	1990, 1995, 1997, 1998, 1999
Archive status	Yes	Yes	Yes
Resolution	Address; point location	Census Tract	Address; point location
Type	Point GIS, database	Database	GIS point, database
Coverage	Puget Sound Region (4 counties)	Puget Sound Region	Washington State
Comments	Collected every 3 to 5 years		Data for 1990 is available, but not comparable to the more current data. Updates on private sector done annually.
PSRC contacts	Amanda Kochanek, (206) 587-5667, akochanek@psrc.org		Amanda Kochanek, (206) 587-5667, akochanek@psrc.org
Source contacts	PSRC obtains from government agencies	Regional Council Information Center at (206) 464-7532	
Status	Amanda Kochanek expects 2000 data in February or March.	Updated as needed	Expected to be complete in June or July
Cost	Free	Free	Free
Acquired	PSRC	PSRC	PSRC

Table 2.3 Environment Data Sources

	Lakes, Major	Parks, National	Baseflow Stations	Carbon Monoxide	Coal Mine Hazard Areas
Data priority type	1	2	2	2	2
Source	WA DOT	WA DOT	WA Department of Ecology	WA Department of Ecology	County DNR?
Data description	Selected major lakes and reservoirs of Washington State are depicted as polygons. Major reservoirs on the Columbia and Snake Rivers, and Lake Washington are excluded.	National Park names and boundaries found on maps and reference materials from the U.S. government, contains all National Park land in Washington State of a sufficient area to be shown at a 1:24,000 scale.	Point locations and database to describe the baseflow characteristics of Washington rivers.	Air quality nonattainment and maintenance areas.	Areas with significant hazards based on proximity to coal mines
PSRC owns?	No	Yes	No	No	No
UW owns?	No	Yes	UE lab	UE lab	Yes
Collected for Y2000	No	No	Yes	No	No
Vintage	34,700	36,281	36,586	35,947	1,992
Archive status	N/A	Yes	N/A	N/A	Yes
Resolution	N/A	1:24,000	N/A	N/A	N/A
Type	GIS polygon	GIS	GIS point, database	GIS polygon	GIS polygon
Coverage	Washington State	Washington State	Washington State	Washington State	Western half of King County
Comments		http://www.wsdo.t.wa.gov/gis/GeoDataCatalog/			
PSRC contacts					
Source contacts	http://www.wsdo.t.wa.gov/gis/GeoDataCatalog/	http://www.wsdo.t.wa.gov/gis/GeoDataCatalog/	Http://www.ecy.wa.gov/services/gis/data/data.htm	Http://www.ecy.wa.gov/services/gis/data/data.htm	County GIS, UW Map lib
Status	Complete	Complete	Complete	Complete	Complete
Cost	Free	Free	Free	Free	Free from UW Map lib. King County sells on CD, \$75.
Acquired	UW	UW	UW	UW	UW

Table 2.3 Environment Data Sources (continued)

	Critical/ Sensitive Areas	Dams	Erosion Hazard Area	Floodplains	Forests, National
Data priority type	2	2	2	2	2
Source	City and county comprehensive plans	WA Department of Ecology	County DNR?	FEMA/floodplain Management Services Program (COE)	WA DOT
Data description	Areas designated critical or sensitive in nature. Definitions vary by jurisdiction.	Location of Washington Dams	Boundaries and codes for areas with erosion hazards	From 50- to 500-year floodplains or flood hazard areas (varies by county)	National forest lands in Washington State: an area under the jurisdiction and management of the U.S. Department of Agriculture Forest Service
PSRC owns?	Yes	No	No	No	No
UW owns?	Yes	Yes	Yes	Yes	No
Collected for Y2000		No	No	N/A	No
Vintage		35,977	1,992	N/A	36,281
Archive Status		N/A	Yes	Yes	Yes
Resolution		N/A	N/A	N/A	1:24,000
Type		GIS point, database	GIS polygon	Polygon	GIS
Coverage		Washington State	Western half of King County	Region	Washington State
Comments		http://www.ecy.wa.gov/services/gis/data/data.htm			http://www.wsdot.wa.gov/gis/GeoDataCatalog/
PSRC contacts					
Source contacts		http://www.ecy.wa.gov/services/gis/data/data.htm	County GIS, UW Map lib	Larry S. Buss of the COE at (402) 221 4596 at larry.s.buss@usace.army.mil for data assistance	http://www.wsdot.wa.gov/gis/GeoDataCatalog/
Status	Revised as needed, with comprehensive plans, etc.	Complete	Complete	Complete	Complete
Cost	Free from UW Map lib. King County sells on CD, \$75.	Free	Free from UW Map lib. King County sells on CD, \$75.	Service and data from the COE are free for non-profit and non-federal government agencies	Free
Acquired	UW	UW	UW	UW	UW

Table 2.3 Environment Data Sources (continued)

	Groundwater Management Area	Groundwater Recharge Areas	Hydrography	Landslide Hazard Area	NPDES* Permit Areas
Data priority type	2	2	2	2	2
Source	WA Department of Ecology	County DNR?	WA DOT	County DNR	WA DOT
Data description	Location of groundwater management areas	Areas susceptible to groundwater contamination - Identified in 1994 comp plan	Major rivers and streams in Washington State are depicted as linear features for each county in Washington.	Boundaries and codes for areas identified for landslide hazards	Polygons depict NPDES Permit Areas in Washington State. NPDES Permit Areas are areas holding permits to discharge municipal and industrial wastes to surface water.
PSRC owns?	No	No	Yes	No	No
UW owns?	No	Yes	Yes	Yes	No
Collected for Y2000	No	N/A	No	No	No
Vintage	34,455	N/A	1,996	1,992	35,217
Archive status	N/A	Yes	N/A	Yes	N/A
Resolution	N/A	N/A	1:24,000	N/A	N/A
Type	GIS polygon	GIS polygon	GIS line	GIS polygon	GIS polygon
Coverage	Washington State	King County	Washington State	Western half of King County	Cedar/Green, Clark County Island/Snohomish County, South Puget Sound, and Spokane County
Comments	A groundwater management area specific geographic areas designated by WA D of E**				
PSRC contacts					
Source contacts	Http://www.ecy.wa.gov/services/gis/data/data.htm	County GIS, UW Map lib	Http://www.wsdot.wa.gov/gis/GeoDataCatalog/	County GIS, UW Map lib	http://www.wsdot.wa.gov/gis/GeoDataCatalog/
Status	Complete	Complete	Complete	Complete	Complete
Cost	Free	Free	Free	Free from UW Map lib. King County sells on CD, \$75.	Free
Acquired	UW	UW	PSRC	UW	UW

Table 2.3 Environment Data Sources (continued)

	Slope/Elevation: (DEM)	Stormwater Outfall Along Street Routes	Streams and Tributaries	Water Resource Inventory Areas (WRIA)	Watersheds
Data priority type	2	2	2	2	2
Source	USGS	WA DOT	County DNR	WA Department of Ecology	State or County Department of Natural Resources
Data description	Elevation Data as a digital Elevation model (DEM)	This data set serves as an inventory of all sites where highway storm runoff is discharged from WSDOT right-of-way to surface water bodies, to groundwater via dry wells and by infiltration.		Ecology was given the responsibility for the development and management of these administrative and planning boundaries.	Delineation of major watersheds
PSRC owns?	Yes	No	Yes	No	Yes
UW owns?	Yes	No	Yes	No	UE lab
Collected for Y2000	Yes	No	N/A	Yes	No
Vintage	Unknown	1998	N/A	36647	Unknown

Table 2.3 Environment Data Sources (continued)

	Priority Habitats and Species Database	Recreation Areas, National	Rivers, Major	Seismic Hazard Areas	Shoreline, Major
Data priority type	2	2	2	2	2
Source	Washington Dept. of Fish and Wildlife (WDFW)	WA DOT	WA Department of Ecology	USGS/County DNR	WA DOT
Data description	Inventory of Key species use areas and key F&W habitat based on expert empirical knowledge. Contains federal- and state-listed species and other priority species.	National recreation area names and boundaries are recorded as found on maps and reference materials from the U.S. government.	Major rivers in Washington	Boundaries and codes for areas with seismic hazards	Major hydrography for Washington State represented as polygons.
PSRC owns?	No	Yes	Yes	No	Yes
UW owns?	No	No	Yes	Yes	Yes
Collected for Y2000	Yes	No	No	No	No
Vintage	Updated every 6 months	36,281	34,547		1,996
Archive status	Yes	Yes	N/A	Yes	N/A
Resolution	N/A	N/A	N/A	N/A	From 1:24,000 map
Type	GIS, mostly polygon	GIS, polygon	GIS, line	Arc View and Arc/Info files	GIS polygon
Coverage	Washington State	Washington State	Washington State	County and national	Washington State
Comments	Purchase order form attached. See also http://www.wa.gov/wdfw/hab/release.htm				
PSRC contacts					
Source contacts	Contact Lori Guggenmos, (360) 902-2543 for data	http://www.wsdot.wa.gov/gis/GeoDataCatalog/	Http://www.ecy.wa.gov/services/gis/data/data.htm	County: Contact UW map library or county GIS dept.; National: http://geohazards.cr.usgs.gov/eq/html/ftpbrowser.shtml	http://www.wsdot.wa.gov/gis/GeoDataCatalog/
Status	Complete	Complete	Complete	Varies by source.	Complete
Cost	\$42 for CD	Free	Free	Portions of Puget Sound are free from UW.	Free
Acquired	Can be ordered	UW	PSRC	UW	PSRC

Table 2.3 Environment Data Sources (continued)

	Wellhead Protection Zones	Wetland: National Wetland Inventory (NWI)	Wildlife Heritage Database	Ambient Monitoring Stations
Data priority type	2	2	2	3
Source	WA DOT	US DFW	WDFW	WA Department of Ecology
Data description	This data set is used to identify areas that are important to groundwater quality, prioritize the retrofit of existing facilities using Best Management Practices, and as a reference layer for GISs at the Washington DOT.	NWI digital data files are records of wetlands location and classification as defined by the U.S. Fish & Wildlife Service	Point occurrences of non-game species of concern. Includes federal- and state-listed species.	Describe locations of Environmental Assessment Program (formerly called Environmental Investigations and Laboratory Services Program) Ambient Freshwater and Marine monitoring Stations.
PSRC owns?	No	No	No	No
UW owns?	No	Yes	UE lab	UE lab
Collected for Y2000	No	Yes - Varies by area	Yes	No
Vintage	36,161	1,981	1,978	35,339
Archive status	Yes	Yes, but archived info available from DFW.	Yes	N/A
Resolution	N/A	Available in 7.5-minute by 7.5-minute blocks.	Data are at least accurate to within a quarter section of the public land survey.	N/A
Type	GIS polygon	ARC/INFO	GIS point, database	GIS point, database
Coverage	Washington State	Washington State	Washington State	Washington State
Comments	Wellhead Groups A and B are available.	Containing ground planimetric coordinates of wetlands point, line, and area features and wetlands attributes.		http://www.ecy.wa.gov/services/gis/data/data.htm
PSRC contacts				
Source contacts	Http://www.wsdot.wa.gov/gis/GeoDataCatalog/	Search for this at http://www.gisdatadepot.com	PDF: http://www.wa.gov/wdfw/hab/datasrc.pdf	http://www.ecy.wa.gov/services/gis/data/data.htm
Status	Complete	Updated as needed.	Updated as needed.	Complete
Cost	Free	Data Depot: By jurisdiction, \$0.10 per dataset: Statewide database, \$15.50	Free	Free
Acquired	UW	Can be ordered	PSRC	Can be downloaded

*NPDES - National Pollutant Discharge Elimination System.

**Under WAC Chapter 173-100 to protect groundwater quality, to assure groundwater quantity, and to provide for efficient management of water resources.

Table 2.4 Infrastructure Data Sources

	Rail Networks, Active	Sewer Line Networks	Wastewater Networks	Wastewater Treatment Plants	Water Supply Networks
Data priority type	1	2	2	2	2
Source	WA DOT	Utility Districts	Utility Districts	County Utility	Utility Districts
Data description	Actively operated railroads of Washington State, with owner data.				
PSRC owns?	Yes	Yes	Yes	Yes	Yes
UW owns?	Yes	Yes	No	Yes	No
Collected for Y2000	No	No	No	No	No
Vintage	1997	1999, 1998	1998	Varies by county	1998
Archive status	Yes	Yes	Yes	N/A	Yes
Resolution	1:24,000	N/A	N/A	N/A	N/A
Type	GIS, line	GIS, line	GIS, line	GIS point	GIS, line
Coverage	Washington State	King, Pierce, and Snohomish	Puget Sound Region	Region	Puget Sound Region
Comments					
PSRC contacts		Andy Norton, anorton@psrc.org	Andy Norton, anorton@psrc.org		Andy Norton, anorton@psrc.org
Source contacts	http://www.wsdot.wa.gov/gis/GeoDataCatalog/	County GIS, UW Map lib, PSRC	PSRC	County GIS, UW Map lib	PSRC
Status	Complete	Complete	Complete	Complete	Complete
Cost	Free	Free	Free	Free	Free
Acquired	UW	PSRC	PSRC	PSRC	PSRC

Table 2.5 Land Use Data Sources

	Comprehensive Plans	Land Use	Land Use	Permits and Demolitions
Data priority type	1	1	1	1
Source	City and county government, PSRC Aggregates	PRISM/County Tax Assessor	PSRC/County Tax Assessor	County and cities
Data description	Land use designation and, where appropriate, includes high and low housing density	Land use designation - PRISM classified and cleaned data	Land use designation - PSRC classified and cleaned data	Official permits and demolitions
PSRC owns?	Yes	No	Yes	Yes
UW owns?	No	Yes	No	no
Collected for Y2000	Yes	NO	Yes	Yes
Vintage	Ongoing updates from 1997	1999	2000	Kitsap: 1990 to present. Other counties: 1992 to present
Archive status	Yes	No	No	Yes
Resolution	Parcel level	Grid	Parcel level	Parcel level
Type	ArcInfo coverage	ArcInfo	Database	GIS point, database
Coverage	PSRC member cities, counties, and some tribal entities.	King County	PSRC Region	Region
Comments	PSRC compiles and standardizes. Contact Andy Norton, PSRC.		Updated with MetroScan, but will gather the data directly from counties in 2001.	Years after 1995 are more accurate
PSRC contacts				
Source contacts	Contact Andy Norton, PSRC.	Urban Ecology Lab, PRISM	PSRC, Andy Norton or County Tax Assessors Office	County GIS Departments or PSRC
Status	Updated as needed	In progress of completing other counties in the region	Complete	Complete
Cost	Free	Waiting for Reply	Free	Free from UW and PSRC owned
Acquired	PSRC	Available?	PSRC	PSRC

Table 2.5 Land Use Data Sources (continued)

	Urban Centers	Urban Growth Boundaries	Buildable Lands Achieved Density	Industrial Lands Survey
Data priority type	1	1	2	2
Source	County	City and county comprehensive plans	City and county governments	PSRC and Runsted Center for RE Study
Data description	Regionally-designated areas of concentrated economic activity	Yearly updates, not versioned.	Dev. History includes # permits, land consumed/dev type and zone, FAR, net FAR, net achieved density, specific use types, net developable, land with constraints, right-of-ways	Information contributing to the PSRC report release in 1998. Point location, industry type, etc.
PSRC owns?	Yes	Yes	Yes	Yes
UW owns?	Yes	Yes, by county	No	Yes
Collected for Y2000	no	No	Pierce County who will disclose 2000 data at this time.	No
Vintage	1999	1995-1999	Collected on a rotating 5-year basis starting in 1995.	1998
Archive status	Yes	No	Yes	Yes
Resolution	N/A	Region	Jurisdiction	Address
Type	GIS,polygon	GIS polygon	Varies by county	GIS, database
Coverage	Region	PSRC Region	Puget Sound Region	Puget Sound Region
Comments			Information collected by counties as GMA requirement. Timing of report varies by county.	Contact PSRC for this data, Andy Norton?
PSRC contacts				
Source contacts	PSRC, UW map Library: Jenny Stone	County GIS departments or UW map Library: Jenny Stone	Snohomish County, Steve Toy, (425) 388-3311; King County, Chandler Felt (206) 205-0712; Pierce County, Dan Cardwell, Thurston County, Holly Gilbert	PSRC
Status	Complete	Complete	Status varies by county. Check source.	Complete
Cost	Free	Free	Free	Free
Acquired	PSRC	PSRC	Can be ordered	PSRC

Table 2.5 Land Use Data Sources (continued)

	Parks and Open Space	Annexations	Buildable Lands Inventories	Comp Plans: Skagit County
Data priority type	2	3	3	3
Source	PSRC	Local and county, WADOT	City and county governments	City and county government
Data description	The most comprehensive greenspace data in the region. Use this to 'correct' tax assessor's land use designations.	Most complete data is from King County.	Inventory of buildable lands, vacant land, and potentially redevelopable lands.	The Comprehensive Plan Map is intended to depict urban growth areas, rural areas, natural resource lands, and open space. Each of these areas may be further divided into land use designations.
PSRC owns?	Yes	Yes	Yes	No
UW owns?	No	No	No	Yes
Collected for Y2000	Yes	Yes	Yes	Yes
Vintage	2000	King: 1997 to present	1995	Unknown
Archive status	No	N/A	Yes	36586
Resolution	Parcel level	Polygon	Parcel to jurisdiction level	Parcel level
Type	GIS	GIS	Varies from GIS to Database	GIS, polygon
Coverage	Region	Region	Puget Sound Region	Skagit County
Comments	PSRC unsure of completion date		Amount of data differs by county. King: complete; Snohomish: full county; Kitsap: full county; Pierce: check	
PSRC contacts				
Source contacts	Kristen Koch or Andy Norton, PSRC	PSRC has annexations for the region. See also, http://www.wsdot.wa.gov/gis/GeoDataCatalog/	Snohomish Co., Steve Toy (425) 388-3311; King County, Chandler Felt (206) 205-0712; Pierce County, Dan Cardwell; Thurston County, Holly Gilberg	
Status	85% complete	Varies by jurisdiction.	Varies by county	
Cost	Free	Free	Free	Free from UW map lib
Acquired	PSRC	Can be downloaded	Can be requested	Can be requested

Table 2.6 Parcel Data Sources

	Assessor's Files: King County	Assessor's Files: Kitsap County	Assessor's Files: Snohomish County	Parcel Shape Files: King County
Data priority type	2	2	2	2
Source	King County	Kitsap County	Snohomish County	King County
Data description	Parcel Record Description, 'Real Property Tax Account Record Description, Personal Property Record description,' Residential Building Record Description, Commercial Building Record Description, Condominium Complex/Unit Record Description, Real Property Sale Record Description	Land and improvement values and other tax related data	Land and improvement values and other tax related data	
PSRC owns?	Yes	Yes	Yes	Yes
UW owns?	Yes	Yes	Yes	Yes
Collected for Y2000	Yes	Yes	Yes	UW is considering purchase
Vintage	2/6/00	4/99	mid 1999	4/99
Archive status	Yes	Yes	Yes	Yes
Resolution	Tax lot	Tax lot	Tax lot	Parcel level
Type	Database by FTP, cartridge, or floppy	Database	Database	GIS
Coverage	King County	Kitsap County	Snohomish County	King County
Comments	Purchase order form attached		Assessor's data is incomplete	
PSRC contacts				
Source contacts	Stanley W. Roe, Department of Assessments, 'assessor.info@metrokc.gov	Robin Tyner, Planning Manager, rtyner@co.kitsap.wa.us	www.co.snohomish.wa.us/gis/	County GIS Dept, UW Map Lib
Status	Complete	Complete	Incomplete	Complete
Cost	Free from UW. \$125 to \$200 from King County (depends on data extracted)	Free from UW, PSRC owns	Free from UW, PSRC owns. County Assessor's Mapping Department (425) 388-3581	Free from UW, PSRC owns. From King County, \$75 for CD.
Acquired	PSRC	PSRC	PSRC	PSRC

Table 2.6 Parcel Data Sources (continued)

	Parcel Shape Files:			Assessor's Files:
	Kitsap County	Pierce County	Snohomish County	Pierce County
Data priority type	2	2	2	3
Source	Kitsap County	Pierce County	Snohomish County	Pierce County
Data description				
PSRC owns?	Yes	Yes	Yes	Yes
UW owns?	Yes	No	Yes	No
Collected for Y2000	UW is considering purchase	Yes	UW is considering purchase	Yes
Vintage	4/99		11/97	
Archive status	Yes	Yes	Yes	Yes
Resolution	Parcel level	Parcel level	Parcel level	Parcel level
Type	GIS	GIS	GIS	GIS
Coverage	Kitsap County	Pierce County	Snohomish County	Pierce County
Comments		Purchase order form attached.	Map of status in worksheet tab "Snohomish parcels"	Purchase order form attached.
PSRC contacts				
Source contacts	Robin Tyner, Planning Manager, rtyner@co.kitsap.wa.us	Cort Daniel, Information Technology Specialist, Phone: (253) 798-6682	Curt Kiessig, GIS Division Coordinator, (425) 388-3023	Cort Daniel, Information Technology Specialist, Phone: (253) 798-6682
Status	Complete	Complete	In progress. See http://www.co.snohomish.wa.us/gis/parcels.htm	Complete
Cost	Free from UW, PSRC owns.	Free from UW, PSRC owns. \$65/hr for GIS data requests.	Free from UW, PSRC owns. \$250 for CD, which includes parcel data.	Free from UW, PSRC owns. \$65/hr for GIS data requests.
Acquired	PSRC	PSRC	PSRC	PSRC

Table 2.6 Parcel Data Sources (continued)

	Assessor's Files:			Parcel Shape Files:	
	Skagit County	Thurston County	Island County	Skagit County	Thurston County
Data priority type	3	3	3	3	3
Source	Skagit County	Thurston County	Island County	Skagit County Tax Assessors	Thurston County
Data description	Tabular data	Tabular data	Tax Parcels Boundaries, from 7.5 USGS maps	Assessor tax parcel boundaries	
PSRC owns?	No	No	No	No	No
UW owns?	No	Yes	No	Yes	Yes
Collected for Y2000	Not at UW now	Yes	Yes	Have at UW	UW is considering purchasing
Vintage		2/98	N/A	3/2000	2/98
Archive status		Yes	N/A	Yes	Yes
Resolution	Parcel level	Parcel level	1:2400	Parcel level	Parcel level, +/- 10 feet
Type		GIS	Digital, view through Source View	GIS, polygon	GIS, polygon
Coverage		Thurston County	Island County	Skagit	Thurston County
Comments			Available on CD – includes all Island County Quarter Section Maps and Assessors Data. (requires SourceView Access License to enable Data).	Data with Attributes can be obtained from the county for \$75, but only in AutoCAD format.	
PSRC contacts					
Source contacts	assessor@co.skagit.wa.us or Phone: (360) 336-9370	UW map lib, or order at http://www.geodata.org/dataorder.htm	To get the CD, send e-mail to: Linda Stimac lindas@co.island.wa.us or call the Assessor's Office at 679-7303	County tax assessors' office – assessor@co.skagit.wa.us, or UW map lib	UW map lib, or order at http://www.geodata.org/dataorder.htm
Status		Complete	Complete		Complete
Cost	Free from UW map lib	Free from UW Map lib. From county, \$200 on CD.	CD – \$100	Free from UW Map lib	Free from UW Map lib. From County \$200 on CD.
Acquired	UW	Can be ordered	Can be ordered	Can be requested	Can be ordered

Table 2.7 Political Boundary

	Jurisdiction Boundaries	Military Reservations	Subdivision and Platting Data:		
			King County	Kitsap County	Pierce County
Data priority type	1	1	2	2	2
Source	WA DOT	WA DOT	King County	Kitsap County	Pierce County
Data description		U.S. military reservations are shown as polygons in this data set.			
PSRC owns?	Yes	No	No	No	No
UW owns?	Yes	No	Yes	Yes	No
Collected for Y2000	Yes	No			
Vintage	2000	35339			
Archive status	Yes	Yes			
Resolution	N/A	N/A			
Type	Polygon	GIS Polygon			
Coverage	Washington State	Washington State			
Comments			Purchase order form attached	Purchase order form attached	Order form attached. www.co.pierce.wa.us.
PSRC contacts					
Source contacts	http://www.wsdo.t.wa.gov/gis/GeoDataCatalog/	http://www.wsdo.t.wa.gov/gis/GeoDataCatalog/	www.metrokc.gov/dias/its/GIS	Robin Tyner, Planning Manager, rtyner@co.kitsap.wa.us	Cort Daniel, Information Technology Specialist, Phone: (253) 798-6682
Status	Complete	Complete			Complete
Cost	Free	Free	Free from UW. \$162 from King Co.	Waiting For Reply	\$65 /hr for GIS data requests.
Acquired	PSRC	UW	Can be ordered	Can be ordered	Can be ordered

Table 2.7 Political Boundary Sources (continued)

	Subdivision and Platting Data: Snohomish County	Zip Code Boundaries	Zip Code Location	Indian Reservations	Legislative and Congressional Districts
Data priority type	2	2	2	3	3
Source	Snohomish County	Geographic Data Technologies	ESRI	WADOT	WA DOT
Data description		Zip code boundaries	Point locations of zip codes	Boundaries of Indian Reservations recognized by the U.S. Bureau of Indian Affairs	
PSRC owns?	No	Yes	Yes	No	Yes
UW owns?	No	No	Yes	No	Yes
Collected for Y2000		Yes	No	No	No
Vintage		2000	1999	35796	1996
Archive status		No	No	Yes	Yes
Resolution		Zip code	N/A	Parcel level	N/A
Type		GIS Polygon	Boundary, points	GIS polygon	GIS
Coverage		Washington State	US	Washington State	
Comments	Purchase order form attached	Tiled by state. Tiled by nation. Available for purchase by state or nationwide. Sales, sales@gdtl.com, (800) 331-7881		Http://www.wsdot.wa.gov/gis/GeoDataCatalog/	Continuous update
PSRC contacts					
Source contacts	www.co.snohomish.wa.us/gis/	Year 2000 available to order online from Geographic Data Technologies at http://www.geographic.com/index.cfm	Year 1999 – Obtain from ESRI,	Http://www.wsdot.wa.gov/gis/GeoDataCatalog/	http://www.wsdot.wa.gov/gis/GeoDataCatalog/
Status		Complete	Status varies by county. Check source.	Complete	Complete
Cost	County Assessor's Mapping Department (425) 388-3582	\$500 and up depending on extent of area needed. Contact source.	Free on ArcView's data disk	Free	Free
Acquired	Can be ordered	Can be ordered	UW	UW	UW

Table 2.7 Political Boundary Sources (continued)

	School Districts			
	King County	Pierce County	Snohomish County	Washington State
Data priority type	3	3	3	3
Source	King County GIS	Pierce County GIS	WAGIC	ETDC
Data description	Boundary	Boundary	Subset of larger dataset of administrative boundaries maintained by Snohomish County auditor	Points for school location
PSRC owns?	No	No	No	No
UW owns?	Yes	No	No	No
Collected for Y2000	Yes	no	No	
Vintage	2000	1998	1997	
Archive status		No	Online	
Resolution		N/A	N/A	
Type	GIS polygon	GIS point	GIS	GIS point
Coverage	King County	Pierce County	Snohomish County	Washington State
Comments	Received ArcInfo file from OSPI will all districts.		http://www.wa.gov/wwwweb/GIC/Metadata/Snohomish/409scd01.htm	Not as accurate as the districts. Do not use for specific point accuracy.
PSRC contacts				
Source contacts		Cort Daniel, Information Technology Specialist, Phone: (253) 798-6681	Snohomish County Auditor's Office	http://www.etc.wednet.edu/gis/wash.html
Status	Complete	Complete	Complete	Complete
Cost	Free from UW. From King Co., \$75 for CD.	The County charges for processing time at \$63 an hour.	Free	Free
Acquired	UW	UW	UW	UW

Table 2.7 Political Boundary Sources (continued)

	Special Districts	Subdivision and Platting Data:		
		Island County	Skagit County	Thurston County
Data priority type	3	3	3	3
Source	County or District offices	Island County	Skagit County	Thurston County
Data description	Myriad of special districts for water, fire, sewer, LIDs, etc. with boundary lines.			
PSRC owns?	Yes-from comp plans or Metro scan	No	No	No
UW owns?	Yes - varies by county	No	No	Yes
Collected for Y2000	Yes			Yes
Vintage	At least 1995			2/98
Archive status	Yes			Yes
Resolution	N/A			+/- 40 feet
Type	GIS polygon	Digital, view through SourceView		GIS, polygon
Coverage	Puget Sound Region	Island County		Thurston County
Comments	Can also be derived at parcel level from Metro scan data	Available on CD - includes all Island County Quarter Section Maps and Assessors Data. (Requires SourceView Access License to enable Data).	Will be disseminated through UW library site: wagda.lib.washington.edu	
PSRC contacts				
Source contacts	Check the County GIS department, METRO scan, or at UW Map Library	To get the CD, send e-mail to: Linda Stimac, lindas@co.island.wa.us or call the Assessor's Office at 679-7303		UW map lib, or order at http://www.geodata.org/dataorder.htm
Status	Complete	Complete	Complete	Complete
Cost	Free from UW. On most county GIS CDs, ranging from \$75 to \$250	CD - \$100	Free	Free from UW Map lib. From county, \$200 on CD.
Acquired	UW	Can be ordered	Can be downloaded	Can be requested

Table 2.8 Real Estate Sources

	Central Puget Sound Real Estate Report	Commercial Locations	Dupre & Scott Real Estate reports	Housing Market Data
Data priority type	2	2	2	2
Source	Central Puget Sound Real Estate Research Committee	Runstad Center for Real Estate	Dupre & Scott	Washington Center for Real Estate Research
Data description	Single family sales activity; building activity; economic topics (interest rates, employment, business conditions); demographic information; and rents and vacancies for apartments, office buildings, industrial properties and hotels	Point locations of retail and office buildings	Publish reports on investment, rents and vacancy, expenses, development, 1-19 unit multi-family dwellings	Affordability index, existing sales, median home price, residential building permits, affordable housing access
PSRC owns?	No	No	No	No
UW owns?	No	Yes	Yes	No
Collected for Y2000	Yes	Yes	Yes	Yes
Vintage	At least 1997		Annual	1993
Archive status	Yes		Yes	Yes
Resolution	Jurisdiction	Point	Neighborhood, city, county	County level
Type	Report, database?	GIS, database	Database, CD	Database
Coverage	for King, Pierce and Snohomish Counties	Mostly Seattle	Puget Sound Region (7 counties)	Washington State
Comments	Prepared semi-annually. http://www.realestate-report.org/	Majority of data is from Seattle and scattered in other places in the region.	Seattle Times archives. UW Library also has printed reports.	http://www.cbe.wsu.edu/~wcrer/market/HousingMarket.asp
PSRC contacts				
Source contacts	Contact Telephone: (206) 622-8425; Fax: (206) 623-4474; e-mail: RERept@aol.com	Ron Throupe: throupe@uswest.net	http://www.dsaa.com/SeattleTimes archives some reports- UW Library also has printed reports	http://www.cbe.wsu.edu/~wcrer/market/HousingMarket.asp
Status	Complete	Complete	Complete	Complete
Cost	Annual: \$108.60, Per report: \$65.16	Waiting for reply	Check http://www.dsaa.com for prices on complete reports. From \$75 - \$435	Free
Acquired	Can be ordered	Available?	Can be ordered	Can be downloaded

Table 2.8 Real Estate Sources (continued)

	Kitsap County Real Estate Trends	METRO Scan	Rents: Commercial Property	Apartment Market Survey	Space Market Indicator
Data priority type	2	2	2	2	3
Source	Kitsap County Real Estate Research Committee	First American Real Estate Solutions	Runstad Center for Real Estate	Washington Center for Real Estate Research	Runsted Center for Real Estate
Data description	Single family res., multi-family res., commercial, and public development trends, rents, absorption rates, vacancies, etc.	Zoning, land use, last sale date and price. Special districts or zones are included.	Commercial rent amounts	Apartment totals, sizes, rents, vacancy rates,	This indicator tracks employment growth and demand for space on the macro-level
PSRC owns?	No	Yes	No	No	No
UW owns?	No	No	No	No	No
Collected for Y2000	Yes	Yes	By mid-winter	Yes	After the indicator is developed
Vintage	At least 1995	PSRC has CDs from 1998 to now	1970 to present	Fall 1999	New in 2001
Archive status	Yes	Yes	Yes	Yes	No
Resolution Type	Jurisdiction Report	Tax parcels level Database	Per business Database	County level Database	Region/Marco Database
Coverage	Kitsap County	King, Kitsap, Snohomish, Pierce	Puget Sound Region	Washington State	Puget Sound Region
Comments	Kitsap County Consolidated Housing Authority, Trends Report, Phone: (360) 692-5596	Fields vary by county.	The center is taking over this project in 2001, so 2000 data will be available in mid-winter 2001	Http://www.cbe.wsu.edu/~wcrer/market/wcrerapt00a.htm	As of 11/27/00, index being created. Will be available in 2001.
PSRC contacts					
Source contacts	Kitsap County Consolidated Housing Authority, Trends Report, Phone: (360) 692-5596	First American Real Estate Solutions, (800) 345-7334	Ron Throupe: throupe@uswest.net	Http://www.cbe.wsu.edu/~wcrer/market/wcrerapt00a.htm	Ron Throupe: throupe@uswest.net
Status	Complete	Complete	Updated	Complete	Will be available in 2001.
Cost	Free	Waiting For Reply	Waiting for reply	Free	Waiting for reply
Acquired	Can be requested	PSRC	Available?	Can be requested	Available?

Table 2.9 Remote Sensing Sources

	LandSat TM images	Air Photo USA	Contour lines	DOQ King County
Data priority type	2	3	3	3
Source		Air Photo USA	County GIS	USGS
Data description	Satellite images classified to show different types of land cover	Digital aerial photos - color	100-foot interval - contour lines	Resolution depends on location
PSRC owns?	Yes	Will acquire	Yes	Selected areas
UW owns?	Yes	No	Yes	Yes
Collected for Y2000	Yes	Plan for September done?	No	No - UW going to obtain through USGS
Vintage	1996, 2000	1997	1999	
Archive status	Yes	Yes	Yes	yes
Resolution	1m: 1996; 15m: 2000	1-3m	100 feet	.5m-4m
Type	CIR	Color	GIS, line	Infrared
Coverage	Puget Sound Region	Currently north and south Seattle, more TBD	King County	
Comments		Currently north and south Seattle		County GIS
PSRC contacts				
Source contacts	Contact Marina Alberti in UW Urban Ecology Lab	http://www.airphoto.usa.com/index.html , (602) 864.3417		UW map Library, USGS: http://edcwww.cr.usgs.gov/glis/hyper/order_info/prices#DOQ_QQUAD for their prices. Commercial -- Walker and Associates @ www.walkormap.com , (206) 244-2303
Status	Complete	Currently north and south Seattle	Complete	Complete
Cost		Airphoto USA: All of Seattle 1 and 3m res. = \$5,500	Free from UW. From King County, \$75 for CD.	USGS: Up to \$57, plus shipping
Acquired	PSRC	Can be ordered	PSRC	PSRC

Table 2.9 Remote Sensing Sources (continued)

	DOQ Kitsap County	DOQ Pierce County	Digital Orthophoto (Quarter) Quads
Data priority type	3	3	3
Source	USGS	USGS	USGS/USFS
Data description			Using a digital elevation model and advanced image processing techniques, radial and topographic distortion is removed from the image providing a true planimetric product.
PSRC owns?	Selected areas	Selected areas	Selected areas
UW owns?	Yes	Yes	Yes
Collected for Y2000	No - UW going to obtain through USGS	No - UW going to obtain through USGS	No - UW going to obtain through USGS
Vintage	1999		1990s; done on 10-year cycle; 5 years, if quickly changing
Archive status	Yes	Yes	Yes
Resolution	1.5 m	1m	Resolution of the image is quite high at 1 meter per pixel
Type Coverage	Black and white, color	Color	Black and white, color Various places in U.S. A DOQ image covers one-quarter of a 1:24,000 scale USGS topographic map, plus a little overlap; a DOQQ covers a quarter of a DOQ image.
Comments	County GIS	County GIS	See map in worksheet tab 'WA DOQ'. Available from Department of Natural Resources, USGS, some counties. On CD.
PSRC contacts			
Source contacts	UW map Library, USGS: http://edcwww.cr.usgs.gov/glis/hyper/order_info/prices#DOQ_QQUAD for their prices. Commercial - Walker and Associates @ www.walkormap.com , (206) 244-2302	UW map Library, USGS: http://edcwww.cr.usgs.gov/glis/hyper/order_info/prices#DOQ_QQUAD for their prices. Commercial - Walker and Associates @ www.walkormap.com , (206) 244-2301	UW map Library, USGS: http://edcwww.cr.usgs.gov/glis/hyper/order_info/prices#DOQ_QQUAD for their prices. Commercial - Walker and Associates @ www.walkormap.com , (206) 244-2300
Status	Complete	Complete	Varies with area, see appendix
Cost	USGS: Up to \$57, plus shipping	USGS: Up to \$57, plus shipping	USGS DOQQs: \$45 base charge + \$7.50 per B&W file or \$15 per color file + shipping
Acquired	PSRC	PSRC	PSRC

Table 2.9 Remote Sensing Sources (continued)

	LIDAR	National Imagery and Mapping Agency's NIMA-MUSE	NIES
Data priority type	3	3	3
Source	LiDAR Consortium: PSRC, Kitsap County, City of Seattle	NIMA	NIES
Data description	LiDAR is a remote sensing technology that utilizes an airborne laser scanning system to acquire X, Y, and Z coordinates of terrain and terrain features. Produces high resolution digital elevation models (DEM).	Self-contained set of computer programs and computer utilities designed to work with NIMA MC&G data and information.	Aerial photography
PSRC owns?	Yes	Check	Yes
UW owns?	No	No	No
Collected for Y2000	Yes		No
Vintage	2000		1996
Archive status	Yes		Yes
Resolution	2.5-foot square for every point		1m (+/-10m)
Type	X, Y, Z points		Color
Coverage	Kitsap, Western King County - The initial project area is approx. 2,351 sq. km. (908 sq. mi.), and is expected to grow as other local agencies express an interest in acquiring data.		Urbanized areas
Comments	The data will be used for a variety of purposes including updated topographic maps, landslide studies, assessment of geologic and natural hazards, hydrologic modeling for Salmon habitat and flood hazard assessment and transportation routing.	This is a software program for NIMA specific data. No application to the Urban Sim Project.	Andy Norton sending me more information.
PSRC contacts			Andy Norton, anorton@psrc.org
Source contacts	Contact LiDAR commercial sources: Woolpert LLP: www.woolpert.com. Nearest office in Denver, (720) 748-6434	http://164.214.2.59/geospatial/SW_TOOLS/NIMAMUSE/doc/apps/intro/intro.htm	
Status	King County is expected to be complete as soon as jurisdictions have an interest in the technology.		Complete
Cost	PSRC is a part of Puget Sound LIDAR consortium, Contact PSRC GIS department for the data.		Free
Acquired	PSRC	Can be ordered	PSRC

Table 2.10 Transportation Sources

	Airport Activity Statistics	Airports	American Travel Survey	Auto Occupancy
Data priority type	1	1	1	1
Source	U.S. DOT	BTS	U.S. DOT	PSRC
Data description	Volume of passenger, freight, and mail enplanements, and number of aircraft departures by air carrier for each airport served.	Airport Point Location	Measure interstate and inter-metropolitan passenger travel nationwide by trip and traveler characteristics for all modes and for intermodal combinations. The ATS data answer how, why, where, when, and who travels in the U.S.	Vehicles, occupancy and speeds at 56 sites for HOV and non-HOV
PSRC owns?	No	Yes	No	Yes
UW owns?	No	Yes	Yes	No
Collected for Y2000	No	No	No	
Vintage	1998 -1996	1999	1995	1998
Archive status	Yes	Yes	Yes	
Resolution	Per airport/carrier	Point	States, Metro areas	
Type	Database	GIS	Database	
Coverage	U.S.	U.S.	U.S.	Regional
Comments			1995 can be downloaded free at BTS website: http://www.bts.gov/programs/ats/ . Update scheduled for 2000 has slipped to 2001, and will be available in 2003. Has been combined with Nationwide Personal Transportation Survey and renamed National Household Travel Survey.	Annual counts taken since 1989
PSRC contacts				
Source contacts	http://206.4.84.245/btsproducts/category.cfm?Category=2&CFID=47128&CFTOKEN=58839319	The U.S. Airports point layer. Source - BTS, Bureau of Transportation Statistics, http://www.bts.gov/gis/ntatlas/background.html .	http://www.bts.gov/programs/ats/	
Status	Complete	Complete	1995 complete. Scheduled for 2001.	
Cost	Free	Free	Free	Waiting For PSRC contact
Acquired	UW	UW	UW	Available?

Table 2.10 Transportation Sources (continued)

	Automated Passenger Counts (APC)	Boundary Files	Commodity Flow Survey	Drivers License Registrations
Data priority type	1	1	1	1
Source	Transit Operators	PSRC	U.S. DOT	WA Dept. of Licensing
Data description	Ridership by route	FAZ, TAZ, districts, Census tracts, county maps, and correspondence	Provide data on the flow of goods and materials by mode of transport for establishments engaged in mining, manufacturing, wholesale, auxiliary establishments (warehouses) of multi-establishment companies, and some selected activities in retail and service	By zip code - License classification (regular, ID only, agriculture, instructional permits, motorcycle endorsement, commercial drivers license)
PSRC owns?	Yes	Yes	No	No
UW owns?	No	Yes	No	No
Collected for Y2000			No	Yes
Vintage	1998	1998	1997, 1993	N/A
Archive status		Yes	Yes	Yes, not available for extraction
Resolution Type		Polygon GIS	Metropolitan area Report or database on CD	Zip code ASCII text format on a CD-ROM
Coverage	Transit service areas	Region	Stratified by state and (for 1997 CFS) metropolitan area	Washington State
Comments	Annual estimates of ridership	Includes background of bodies of water	Zip code of origin and destination, 5-digit Standard Classification of Transported Goods (SCTG) code, weight, value, and modes of transport have been provided. Check box information on whether the shipment was containerized, a hazardous material, or an export was also obtained.	To get this information, DOL needs a completed public disclosure form, a written order, and description of which data. The request must be made in time to be included in their "data select," which is in January (MLK weekend). Delivery is anticipated at the beginning of May.
PSRC contacts	Mark Charnews, mcharnews@psrc.org			
Source contacts			Printed document, call (202) 366-DATA or download	Doralynn LeGarde, dlegarde@dol.wa.gov, (360) 902-3838
Status		Complete	Complete	Complete
Cost	Waiting for PSRC contact	Free	Free	Estimated: \$650 for PSRC's 4-county region
Acquired	Available?	PSRC	UW	PSRC Ordered

Table 2.10 Transportation Sources (continued)

	External Station Surveys	Ferry Ridership	Ferry Survey	Household Travel Survey	HOV Lane Evaluation and Monitoring
Data priority type	1	1	1	1	1
Source	PSRC	WSF	WSF	PSRC	TRAC
Data description	Origin-destination purpose of trips at external stations	Ridership by route and time period and mode (passenger, auto)	18,000 surveys collected during 3-time periods in May 1999	6,000 hh sample. Currently being cleaned up and geocoded	Persons and occupancy counts in HOV and SOV lanes; travel times and reliability of HOV lanes
PSRC owns?	Yes	Yes	Yes	Yes	Yes
UW owns?	No	No	No	Yes	No
Collected for Y2000	No	No	No	No	
Vintage	1961	1998-1999	1993, 1999	1999	1998
Archive status		Yes	Yes		Yes
Resolution					
Type		Database, report?	Database, report?	SPSS	
Coverage	King, Pierce, Snohomish	WSF routes	WSF routes	Regional	Regional
Comments	These surveys have not been updated since 1961 and do not include Kitsap.	Annual estimates of ridership from revenues.	Average weekday, p.m. peak, and Sundays collected.	Contact: Neil Kilgren	
PSRC contacts					
Source contacts					
Status	Complete			Complete	Complete
Cost	N/A	N/A	N/A	Free	Free
Acquired	PSRC	PSRC	PSRC	PSRC	PSRC

Table 2.10 Transportation Sources (continued)

	License Plate Survey	Maritime Trade and Transportation	On-Board Transit Surveys	On-Board Transit Surveys	On-Board Transit Surveys
Data priority type	1	1	1	1	1
Source	WA DOT	U.S. DOT	King County Metro	Pierce Transit	Community and Everett Transit
Data description		Provides vital freight and passenger travel services in domestic and international markets and port and cargo-handling services	Origin-destination, purpose, and mode of access by route	Origin-destination, purpose, and mode of access by route	Origin-destination, purpose, and mode of access by route
PSRC owns?	Yes	No	No	No	No
UW owns?	No	Yes	No	No	No
Collected for Y2000	no	No			
Vintage	1997	1999	1992	1992	1992
Archive status		Yes			
Resolution Type		N/A Report			
Coverage		US ports	King County	Pierce County	Snohomish County
Comments					
PSRC contacts	Neil Kilgren or Larry Blaine				
Source contacts		http://206.4.84.245/btsproducts/moreinfo.cfm?ProductID=830&CFID=47128&CFTOKEN=58839319			
Status	Complete	Complete			
Cost	Free	Free	N/A	N/A	N/A
Acquired	PSRC	UW	Available?	Available?	Available?

Table 2.10 Transportation Sources (continued)

	Park-and-Ride Lot Utilization Surveys	Parking Survey	Puget Sound Transportation Panel	Road Networks
Data priority type	1	1	1	1
Source	PSRC	PSRC	PSRC	PSRC
Data description	Size and utilization, transit service and amenities at park-and-ride lots	Parking spaces, occupancy, and cost	Data includes 2-day travel data for household members over 15, personal characteristics, household characteristics, and results of attitude survey	SOV, HOV, non-motorized for 1998 and 2020 years
PSRC owns?	Yes	Yes	Yes	Yes
UW owns?	No	No	Yes	Yes
Collected for Y2000		No	Yes	No
Vintage	1996	1999	9 waves, 1989 through 2000	
Archive Status		Yes	Yes	Yes
Resolution		N/A	TAZ and census tracts	line
Type		Database/report	SPSS, ASCII	GIS: Dynamic Link
Coverage	Regional	Downtown Seattle and Bellevue	Regional	Puget Sound Region
Comments		Conducted every 2 years 1987 to 1996, and again in 1999	9th wave in Fall 2000	**In progress is a GPS project obtaining the data for roads, # of lanes and non-motorized amenities associated to the road
PSRC contacts		Neil Kilgren, (206) 464-7964, nkilgren@psrc.org	Neil Kilgren, (206) 464-7964, nkilgren@psrc.org	
Source contacts				
Status			Complete	PSRC unsure of completion date of GPS project.
Cost	N/A	Free	Free	Free
Acquired	PSRC	PSRC	PSRC	PSRC

Table 2.10 Transportation Sources (continued)

	Station Areas	Traffic Counts	Transit Networks	Truck Networks	Vehicle Registrations
Data priority type	1	1	1	1	2
Source	Sound Transit, WA DOT	PSRC	PSRC	WSDOT OUM	Washington Department of Licensing
Data description	Current Park-and-ride, commuter, and proposed light rail	Counts by time period (a.m., p.m., and daily) and mode (SOV, HOV)	1998 and 2020 networks for bus, ferry, commuter rail, and light rail modes	Truck prohibitions and priority facilities (3 levels) for trucks	Number of vehicles registered in State of Washington by zip code with many attributes. See comments.
PSRC owns?	Yes	Yes	Yes	Yes	No
UW owns?	No	No	CS	CS	No
Collected for Y2000	Yes		No		Yes
Vintage	Recent	1998-2000	1998	2000	N/A
Archive Status	Yes	Yes	Yes		Yes
Resolution Type	Point GIS		N/A EMME/2	Line GIS and EMME/2	Zip code Database
Coverage	Region	Regional	Region	Region	
Comments	Point location in relative station area	Recent screenline counts were conducted to fill gaps in count database		Developed for the FASTrucks projects from GVW maps prepared by PSRC	Attributes include vehicle make, model, year, VIN, trailers, scale weight, gross weight, number of seats, power ((type of engine (e.g., gasoline, diesel)),* use class (passenger, truck, commercial, combination, farm)
PSRC contacts					
Source Contacts	Nick Marquart, Sound Transit				Doralynn LeGarde, dlegarde@dol.wa.gov, (360) 902-3838
Status	Complete				Complete
Cost	Free	N/A	N/A	Contact CS	\$31.05/hour of prep time
Acquired	PSRC	PSRC	PSRC	PSRC	PSRC ordered

3.0 Summary and Recommendations

■ 3.1 Summary

The data sources are summarized in Tables 3.1 and 3.2 by category and acquisition status and priority. The following summarizes the sources by priority:

- Forty-three of the sources are typically used and necessary for model development (33 percent),
- Fifty-seven of the sources are highly recommended for future travel demand and land use forecasting model development (44 percent), and
- Thirty of the sources are lower priority (23 percent) and are not recommended for further data collection efforts.

Of the 100 data sources necessary or recommended for model development, only four of these are currently not available, and these are all Census-related data that will become available over the next few years for the Year 2000 Census.

■ 3.2 Recommendations

At this time, we make the following recommendations for action on obtaining data items listed as priority 1 or 2, noting only those items for which we are not already aware of plans for data collection by PSRC (see the attached table for complete listing):

- External station surveys – new survey needed – last one in 1961;
- Vehicle registrations and drivers license data – need to be ordered from state department of licensing (order forms have been submitted to PSRC);
- Infrastructure networks (roads, water, sewer) in GIS, with vintage since 1980;
- Real estate market data – vacancies, rents, sales prices – coordinate with acquisition with Rundstadt Center;
- Parcel boundaries and assessor files for each county – some acquisition agreements may be needed with individual counties; and
- Subdivision and platting data for each county – some acquisition agreements may be needed with individual counties (length of history will affect usefulness).

Table 3.1 Summary of Data Sources by Category and Priority

Category	Data Priority Type			Grand Total
	Required	Highly Recommended	Lower Priority	
Census	4			4
Employment	3			3
Environment	1	27	1	29
Infrastructure	1	4		5
Land use	6	3	3	12
Parcel Data		7	6	13
Political Boundaries	2	6	10	18
Real Estate Market		8	1	9
Remote Sensing		1	9	10
Transportation	26	1		27
Grand Total	43	57	30	130

Table 3.2 Summary of Data Sources by Acquisition Status and Priority

Acquisition Status	Data Priority Type			Grand Total
	Required	Highly Recommended	Lower Priority	
	1	2	3	
Not yet available	4			4
PSRC owns	24	22	8	54
PSRC Ordered	1	1		2
UW owns	8	19	8	35
Available?	6	2	1	9
Can be ordered		10	6	16
Can be downloaded		1	3	4
Can be requested		2	4	6
Grand Total	43	57	30	130