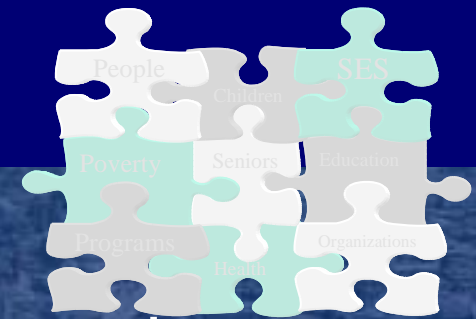# Burnaby's
Community Asset Mapping Project

Urisa BC June 2005

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Overview of Presentation

- Background on the CAM system
- Progress to date
- Technical overview
- Conclusion

Background: What is CAM?

- Process to improve understanding and planning for our community
- System for:
  - Gathering community information
  - Displaying Census data in a spatial (map) format
  - Using GIS to integrate community and Census data
  - Creating relational maps

Background: Integrated framework

Other data

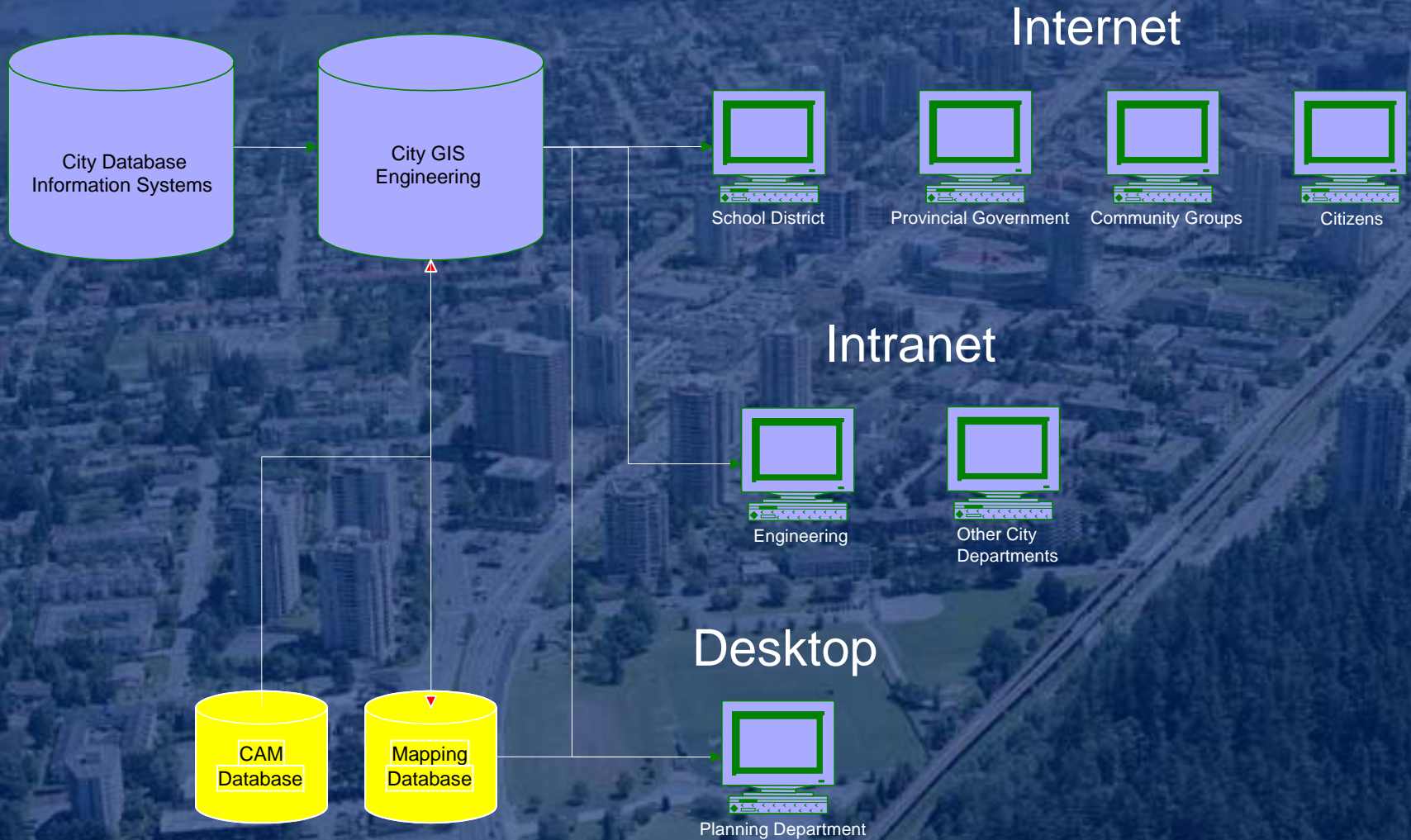CAM data (community services & facilities)

Census data

School data (catchment areas & location of schools)

Engineering data (streets, deep utilities, etc)

Parcel maps (zoning, land use, ownership, etc)

Community

Background: Relationship with City's systems
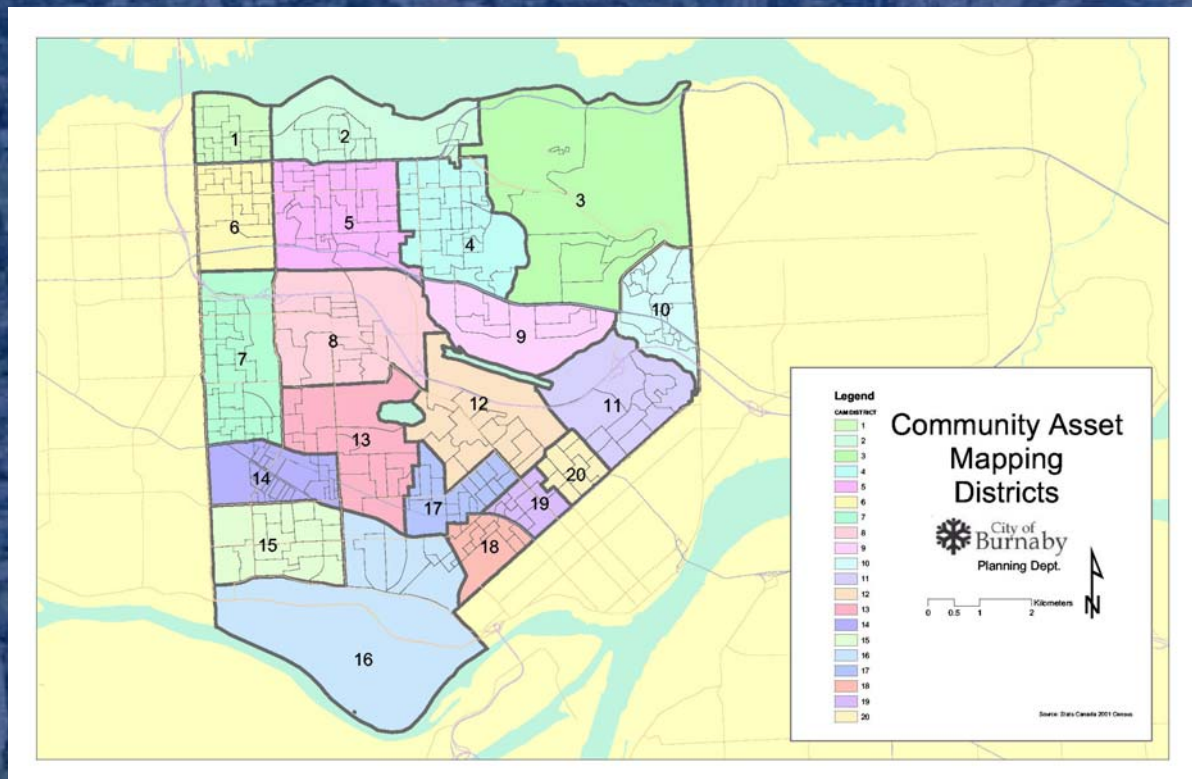
Background: How did we get involved?

- UBC HELP/ EDI
- Poverty Initiative
- Council endorsement

Background: What was our consultation process?

- Inter-departmental team
- Community-based team
- Presentations/workshops

Progress To Date

Divided City into twenty districts

Dissemination Areas used as building blocks

30 Kindergarten children/CAM District

Progress To Date (cont'd)

Created Census Profiles for each of the CAM areas

Census Snapshot	CAM District 8	
Total Population	7,310	% base
Males	3,610	49%
Females	3,700	51%
2001 Population by Age	7,310	% base
0 to 4 years	265	4%
5 to 19 years	1,380	19%
20 to 24 years	615	8%
25 to 34 years	990	14%
35 to 44 years	1,035	14%
45 to 54 years	1,245	17%
55 to 64 years	835	11%
65 to 74 years	510	7%
75 to 84 years	265	4%
85 years and over	135	2%
Average age of population	38.1	
Median age	39.3	
Dominant age group	5 to 19 years	
Families	1,845	% base
Persons per family	3.1	
Two-parent families	1,565	85%
With no children at home	550	30%
With children at home	1,015	55%
Lone-parent families	260	14%
Total children at home	2,270	
Children per family	1.2	
Households	2,665	
Persons in private households	7,125	
Persons per household	2.7	
Average 2000 household income	$65,928	
Occupied Dwellings	2,680	% base
Owned Dwellings	1,655	62%
Rented Dwellings	1,010	38%
Single detached houses	1,210	45%
Semi-detached/row/duplex	930	35%
Apartments	550	21%
Movable dwelling	0	0%
Dominant building type	Single detached houses	
Dominant Demographics		
Official Home Language	English	
Non-official Home Language	Chinese	
Immigrant Place of Birth	Hong Kong	
Ethnic Origin	English	
Religion	No religion	
Educational Attainment	University	
Labour by Industry	Retail trade	
Labour by Occupation	Sales & service occupations	
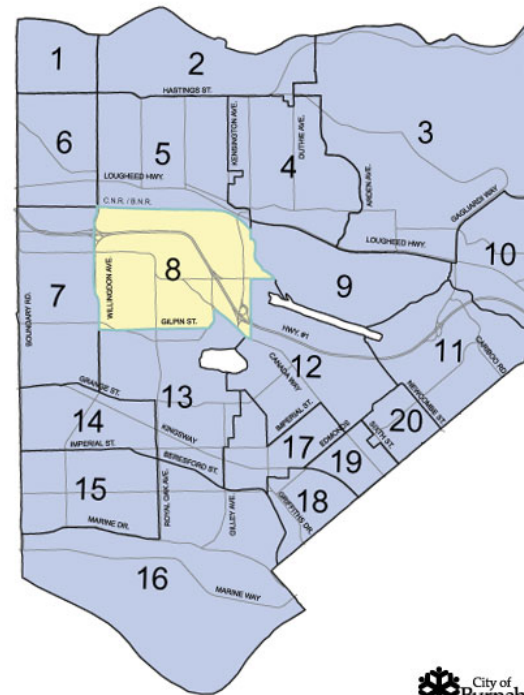
Community Asset Mapping
District 8
Census Profile

City of Burnaby
Planning Department

Source: Stats Canada 2001 Census
Data based on aggregated dissemination
area units of the 2001 census

More information on Census terminology
and units can be found at www.statcan.ca

Progress To Date (cont'd)

Distributed questionnaire and created searchable database

Conducted follow ups with non-respondents

Mapping data
Posting data on City's web site (www.city.burnaby.bc.ca)
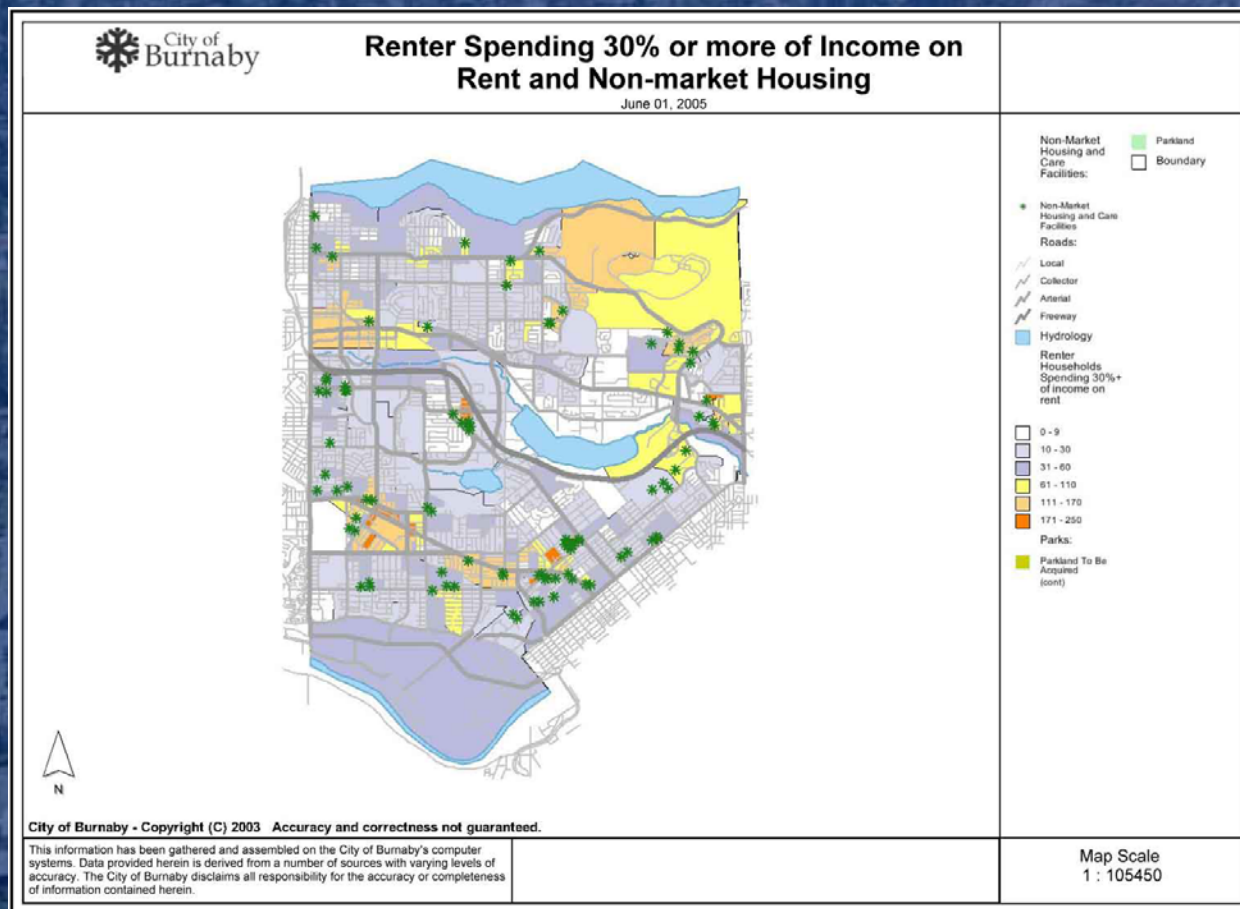
Technical Aspects

- Spatial and Tabular Data
  1. Survey Data stored in MS Access database
  2. CAM Districts
  3. Point locations identifying the Community Assets. The consultant utilized the legal lot centroids to spatial identify locations within Burnaby
     - For lots with multiple services, points were manually offset for display purposes
  4. Population Density raster layer
  5. 2001 DA Census Geography
  6. 20_20 Census .ivt files

- CAM District Creation
  - CAM Districts derived from aggregating the Census DA polygons (DA boundaries primarily follow roads and contain approximately 400-700 people) .
  - Each CAM district has at least 30 kindergarten children

Technical Aspects Continued

- CENSUS Data
  - Utilized the Beyond 20/20 Professional Browser version 6 to extract Census data into an MS ACCESS database

| 20_20 Census.ivt files | → | Beyond20/20 Professional Browser V6 | → | Export Census into the various tables | → | 2001 Burnaby Census Data |

- Education
- Age
- Income
- Language

- Community Asset locations
  - Associated the Community asset data stored in the MS ACCESS database to City of Burnaby lot centroids

Technical Aspects Continued

- CAMS web mapping layers

1. Masterfile layer in ArcSDE rendered to show:
   Child Care, City Operated, Community Services, Educational Institutions, Fed & Prov & FHA Services, Non-Market Housing & Care Facilities, Other Non-Profit Organizations, Religious Institutions, Services for People with Disabilities, Services for Seniors

2. Census Data rendered to show:
   Population, Age Distribution Count, Age Distribution %, Family, Education, Language, Economics

3. CAMS District

Next Steps

- Add more WebMap Layers
- Prepare CAM overview document
- Develop and implement maintenance and monitoring plan for the CAM system

Contacts

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Go live at:
http://webmap.city.burnaby.bc.ca/publicmap/viewer.htm