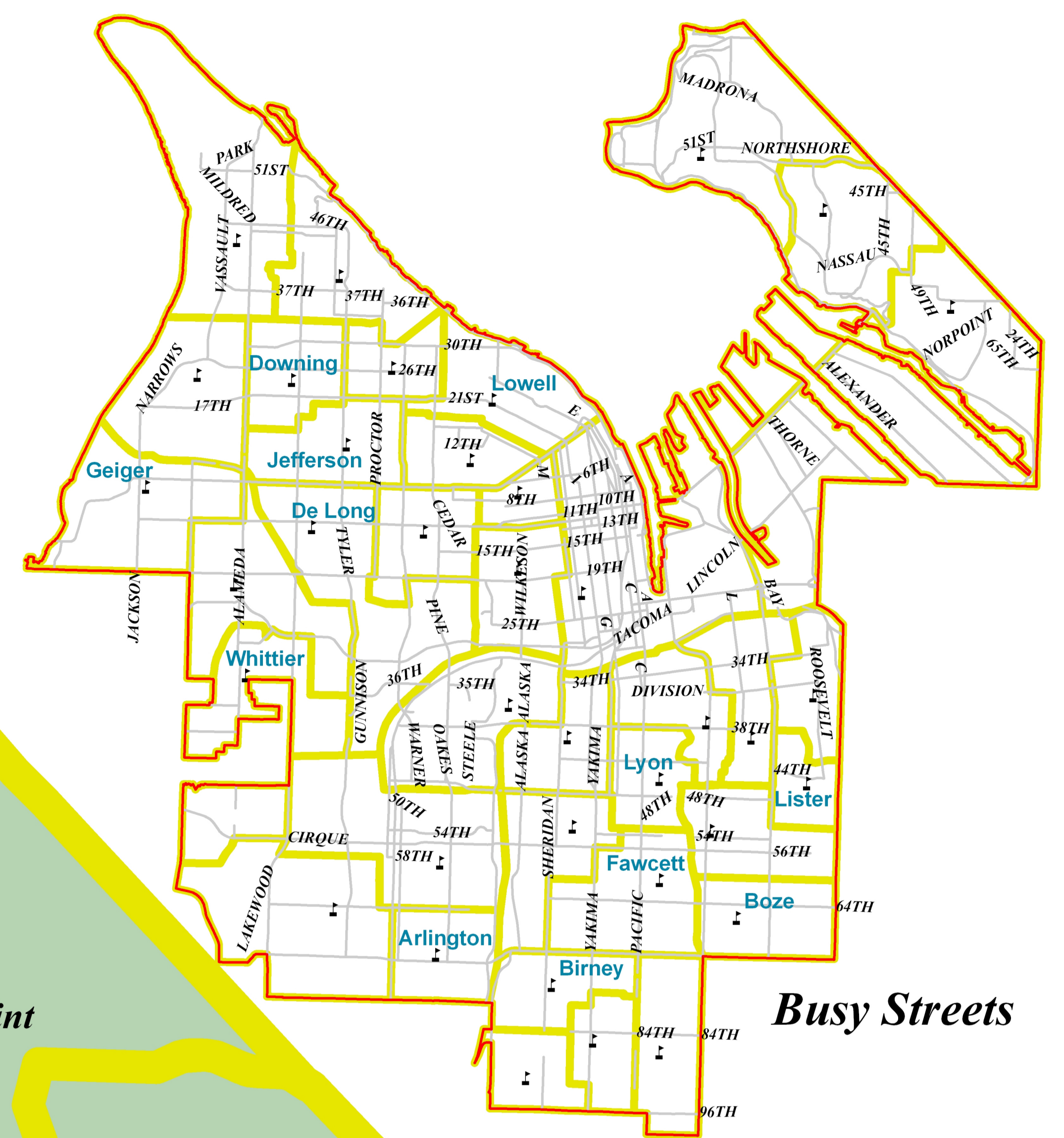


Walking Tacoma's Elementary Schools

Safety index was created using densities of vacant lots, densities of public entrances, and proximity of schools to busy streets.



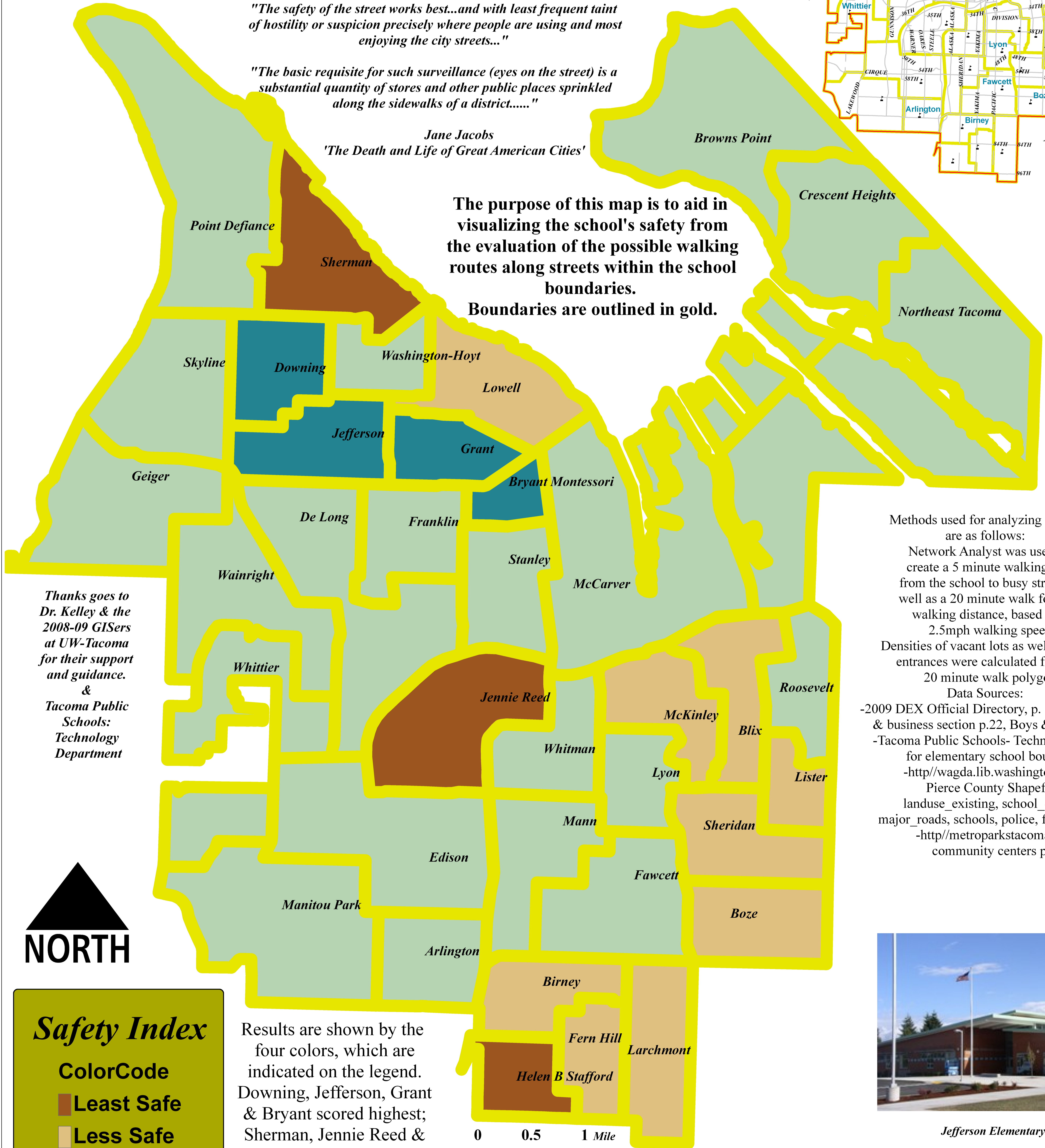
"The safety of the street works best...and with least frequent taint of hostility or suspicion precisely where people are using and most enjoying the city streets..."

"The basic requisite for such surveillance (eyes on the street) is a substantial quantity of stores and other public places sprinkled along the sidewalks of a district....."

Jane Jacobs
'The Death and Life of Great American Cities'

The purpose of this map is to aid in visualizing the school's safety from the evaluation of the possible walking routes along streets within the school boundaries.

Boundaries are outlined in gold.



Thanks goes to Dr. Kelley & the 2008-09 GISers at UW-Tacoma for their support and guidance. & Tacoma Public Schools: Technology Department

Methods used for analyzing safety are as follows:

Network Analyst was used to create a 5 minute walking area from the school to busy streets as well as a 20 minute walk for total walking distance, based on a 2.5mph walking speed.

Densities of vacant lots as well as public entrances were calculated for each 20 minute walk polygon.

Data Sources:
-2009 DEX Official Directory, p. 354, libraries; & business section p.22, Boys & Girls Clubs
-Tacoma Public Schools- Technology Dept, for elementary school boundaries
-<http://wagda.lib.washington.edu/>
Pierce County Shapefiles;
landuse_existing, school_districts, major_roads, schools, police, fire, hospitals
-<http://metroparkstacoma.org>
community centers page



Safety Index

ColorCode

- Least Safe
- Less Safe
- More Safe
- Most Safe

Results are shown by the four colors, which are indicated on the legend. Downing, Jefferson, Grant & Bryant scored highest; Sherman, Jennie Reed & Stafford scored lowest.

0 0.5 1 Mile

Projected Coordinate System:NAD_1983_HARN_StatePlane
Washington_South_FIPS_4602_Feet
Produced by Rebecca Campbell on 6/2/09



Jefferson Elementary

For further information email tekopkow@u.washington.edu