

Duwamish Valley Cumulative Health Impacts Analysis Appendix C: Community Based Participatory Research

Duwamish River Cleanup Coalition/Technical Advisory Group and Just Health Action (Gould L, Cummings BJ. 2013).

As part of an EPA Environmental Justice Research grant to conduct a Cumulative Health Impacts Analysis for the Duwamish Valley, in Seattle, WA, the Duwamish River Cleanup Coalition/Technical Advisory Group (DRCC/TAG) used Community Based Participatory Research (CBPR) in Georgetown and South Park to retrieve information from community experts for the Cumulative Health Impacts Analysis (CHIA). CBPR is defined as *a collaborative approach to research that equitably involves all partners in the research process and recognizes the unique strengths that each brings* (Minkler & Wallerstein, 2008¹). The process begins with an issue selected by, or of real importance to, the community and involves community members with the aim of combining knowledge and action to improve community health and eliminate health disparities (Minkler & Wallerstein, 2008).

DRCC/TAG employed CBPR in the research in order to:

- Compile community information for the Cumulative Health Impacts Analysis;
- Create mechanisms to incorporate perspectives from community-based organizations;
- Build and strengthen the technical capacity of community-based organizations and community environmental justice and health leaders; and
- Empower the local community to take action to improve its own health and work to eliminate disparities.

Paulina Lopez, a resident of South Park and outreach specialist for DRCC/TAG, designed a community health mapping exercise that asked community members *What makes South Park and Georgetown healthy and unhealthy?* Poster sized maps were taken to numerous venues (the South Park Food Bank, South Park Library, South Park Community Center, South Park Neighborhood Association, Concord International Elementary School PTA, Georgetown Garden Walk, Georgetown Community Center, and others) and used to facilitate a discussion about health in the Duwamish Valley. Using the prompts shown below, Ms Lopez asked people to draw and write on the maps. Duwamish Valley residents wrote and/or drew pictures of their issues and concerns regarding the health of the community. Major community concerns and themes were relayed back for incorporation into the selection of indicators for the Cumulative Health Impacts Analysis. Concerns compiled from all of the maps were combined by Ms Lopez and Michele Savelle GIS Design and can be viewed in Figures B1 and B2.

¹ Minkler, M. & N Wallerstein, 2008, Community-Based Participatory Research for Health: From process to outcomes. John Wiley & Sons, Publishers, 2nd Edition

South Park/Georgetown Health Map prompts

1) **MAP 1 - What makes your community HEALTHY?**

Please draw a picture and/or write on the map:

Help us identify on the map (activities, actions, physical spaces, etc.) that makes our community healthy and happy place to live.

Be CREATIVE!

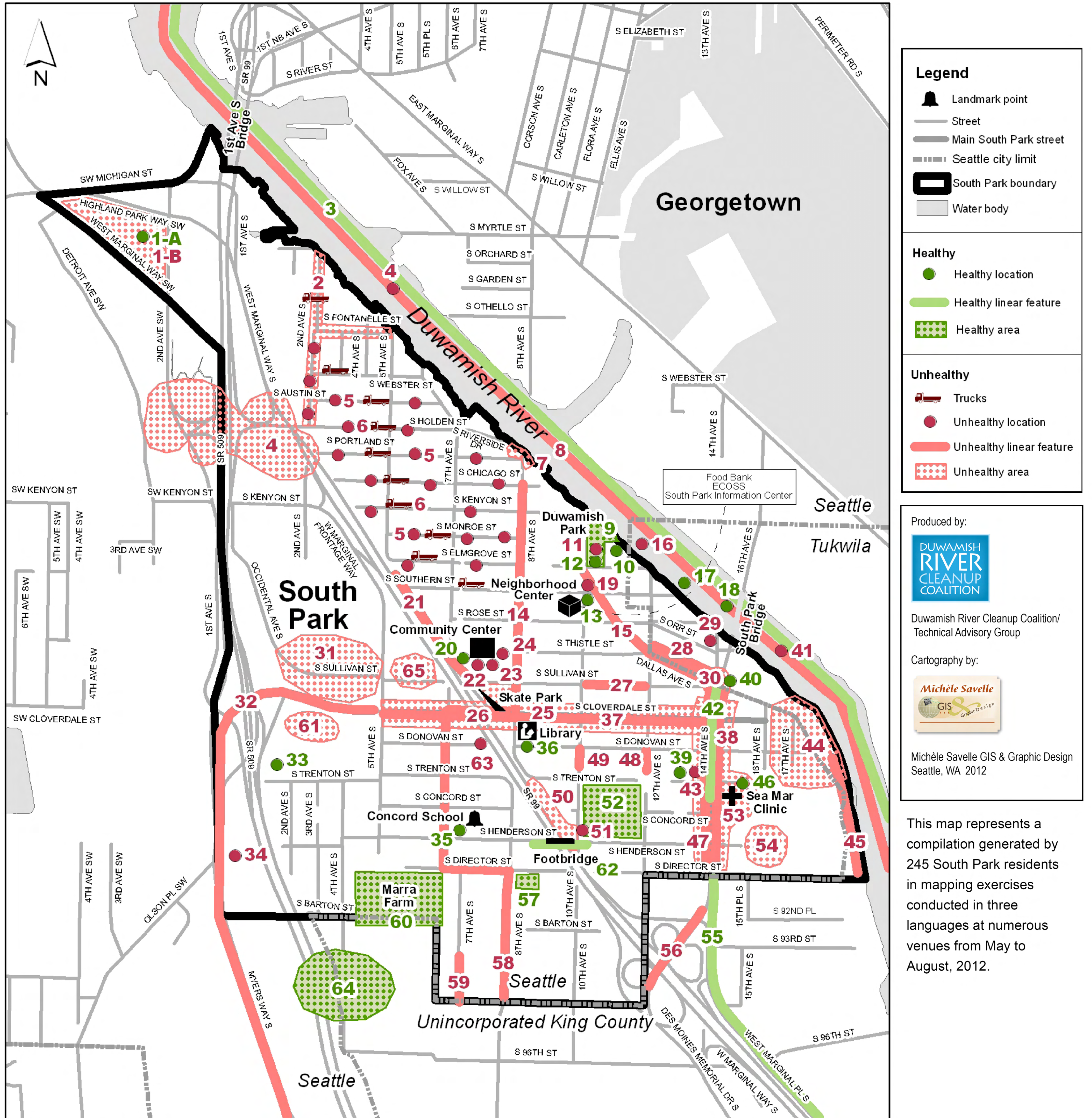
2) **MAP 2 - What makes your community UNHEALTHY**

Please draw a picture and/or write on the map:

Help us identify where on the map (activities, actions, spaces, etc) that makes our community unhealthy and damages/hurts our community.

Be CREATIVE

Figure B1. What makes South Park *healthy* and *unhealthy*?

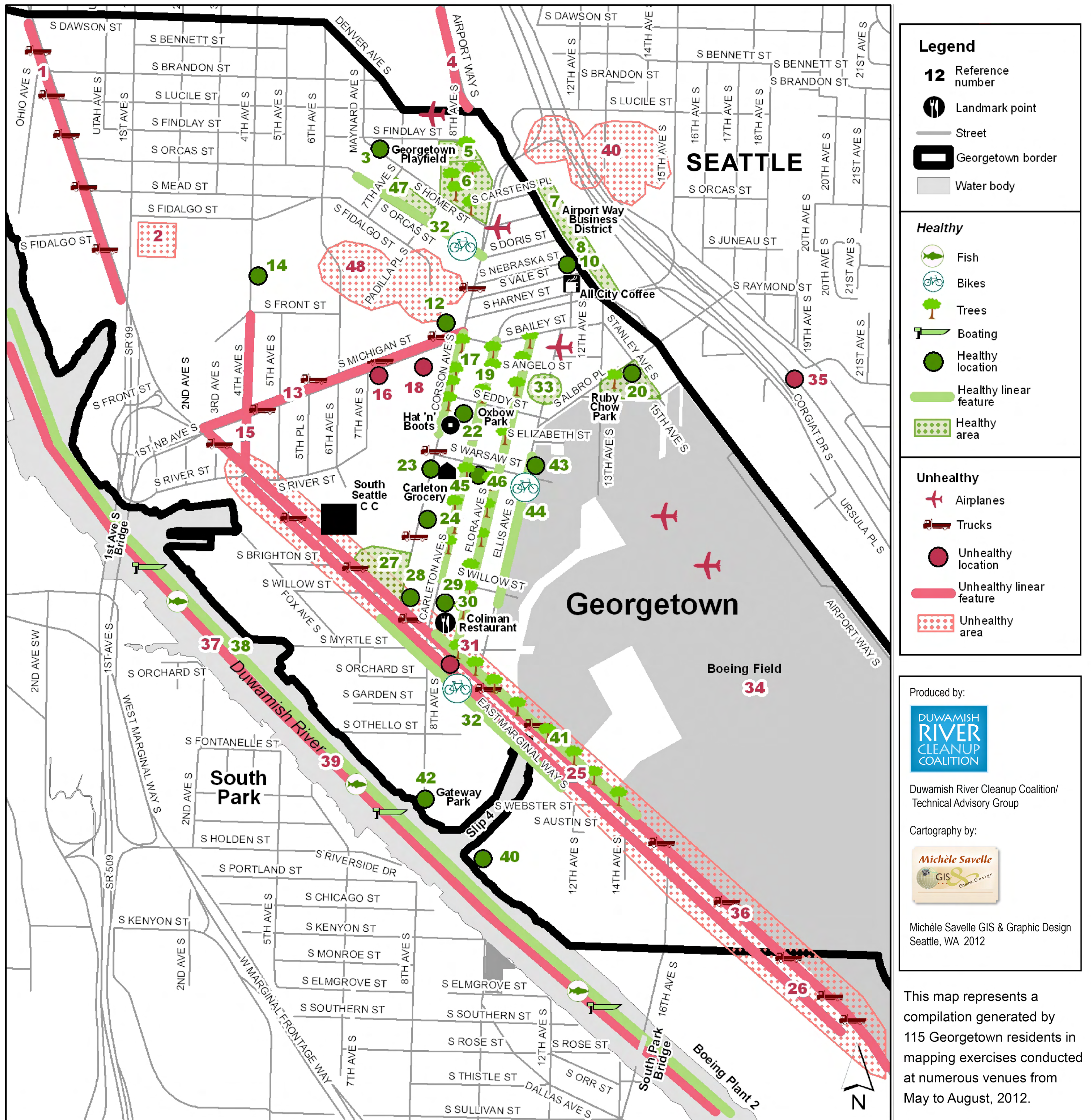


This map represents a compilation generated by 245 South Park residents in mapping exercises conducted in three languages at numerous venues from May to August, 2012.

Key to numbered sites

- | | | | |
|--|---|---|---|
| <p>1-A Nickelsville: nice people, sense of community
 3 I love the river!
 9 Park is nice green space
 10 Good views of the river
 12 Dog walkers are friendly people
 13 Engaged neighbors, civic support
 17 Wildlife in the river
 18 New bridge will be great for business!
 20 Good meeting place, sports/coaching, events
 33 Bartending college
 35 School convenient to walk to
 36 Reading, programs, good place for kids to go
 39 Love the apartments and taco truck here!
 40 Drug dealing is gone!
 42 Good restaurants on 14th Ave</p> | <p>46 Good to have a clinic in South Park!
 52 Senior center-nice place to walk
 55 Trail
 57 Rain garden
 60 Everyone loves Marra Farm! Needs exercise space.
 62 Good bridge
 64 Sense of community in all of South Park!</p> | <p>14 Needs bus shelters and street lights
 15 + 58 Speeding; signs needed for kids
 16 Garbage in the river
 19 Drug use on bench
 21 Noise - need a sound barrier!
 22 Dog poop on the grounds
 23, 47 + 51 Graffiti
 24 + 28 Not enough lights
 25 Graffiti in Skate Park and along Cloverdale
 26 Abandoned cars
 27 Dark: trees block street lights
 29 Vacant building - blight
 30 Public drunkenness and loitering
 31 Need alley lighting + bus shelters in South Park!
 32 No safe way to walk to White Center
 34 No signs for South Park on highway</p> | <p>37 Dangerous speeding on Cloverdale - need signs!
 38 No healthy stores
 41 Need more river recreation opportunities
 43 History of drugs and prostitution;
 worry about them returning with new bridge
 44 T-117 and related contamination
 45 Need more river access
 48 + 49 Stairs need repair
 50 Scary, filthy, overgrown trail needs repair
 53 Not enough parking
 54 Not enough police in South Park!
 59 Littering and smoking
 61 Too much garbage everywhere!
 63 Dope house
 65 Homeless living in bus shelters in SP</p> |
|--|---|---|---|

Figure B2. What makes Georgetown *healthy* and *unhealthy*?



Key to numbered sites

- | | | | |
|----------------------------------|--|--------------------------------|--|
| 3 SANCA circus school | 22 P-patch and garden | 42 Gateway Park | 16 Panhandling |
| 5 Spray park | 23 Carleton Grocery | 43 SBC Mini Mart | 18 Toxic materials |
| 6 Georgetown playfield / soccer! | 24 Chickens | 44 Bike lanes in Georgetown! | 25 Diesel exhaust |
| 7 Old Cold Storage building | 27 Green space: geese live here, dogs play | 45 Shared community meals | 26 Need sidewalk |
| 8 Georgetown business district | 28 Telephone Museum | 46 Trees | 31 Prostitution and crime |
| 10 Volleyball and tetherball | 29 Trees | 47 Rain gardens | 34 Airport noise and pollution |
| 12 Harbor Freight Tours | 30 Coliman Restaurant | | 35 Need an exit sign for Georgetown on I-5 |
| 14 Food Bank | 32 Bike lane | | 36 Too much truck traffic |
| 17 Trees | 33 Sense of community | | 37 Polluted river |
| 19 Trees and gardens | 38 Love living by the river! | | 39 Not enough access to the river |
| 20 Good open space | 40 Boeing public access site | | 48 Air pollution in the residential areas |
| | 41 Trees | | |
| | | 1 Need sidewalk | |
| | | 2 Big empty lot: blight | |
| | | 4 Bridge area needs clean-up | |
| | | 13 Too much traffic | |
| | | 15 Need safe pedestrian access | |