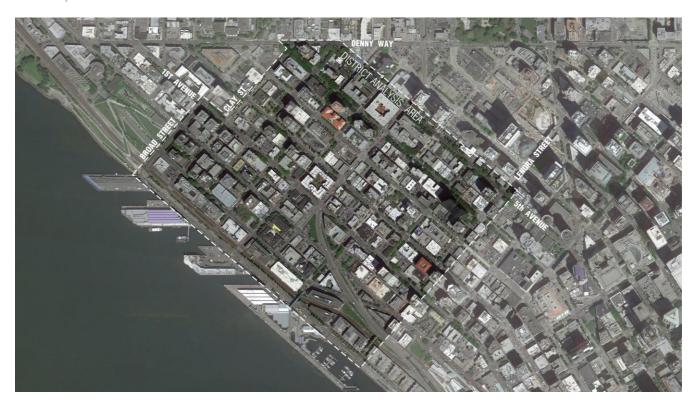
## City / Nature for Urban Resilience GREENER BELLTOWN : BLUER SOUND Scan I Design Master Studio, Autumn 2017 [Larch 501]

PROJECT 01: District Analyses

DUE:

PRESENTATION - Monday October 9 (posted to Google drive by noon) PRINTED PAGES and DIGITAL FILE - Wednesday October 11 (posted to Drive by noon; bring printed copy to class)



Our first effort working with Belltown will be to understand the district, and analyze its features, patterns, qualities, needs and opportunities. You will combine on-the-ground reconnaissance with archival investigation to uncover the underlying qualities of the district; its current forms, flows and processes; and future predicted conditions and plans.

Work as a small group within your theme area to identify the conditions and patterns that will inform your future framework of district strategies for your study area (which will follow this investigation). Identify both existing places and patterns, along with future predicted conditions; in particular, address urban growth and climate change predictions and resilience needs and opportunities for each system. Pay attention to the contextual forces that will influence your site-scale work later in the term, but also be willing to expand the analysis, blur boundaries and be creative.

Your team will graphically represent your analyses in annotated graphic format (maps, diagrams, infographics) in a presentation to the rest of the class on Monday, Oct. 9 (ppt, prezi, pdf, etc.) The purpose of the presentation will **be to inform your classmates of what you've learned, so the presentation should be inform**ative, memorable and succinct. You may also have questions that you can pose to others, to help fill out or clarify your final submission. Then, format the final version of your analyses using the same template as we are using for the precedent studies, due along with the digital file on Wednesday, Oct. 11. Your areas of research are below; expand and tailor as you see fit. As you find resources, please add them to the appropriate folder on the course Google Drive site.

*"The success of our public spaces is closely linked to how they are connected to the city network and where they stand in the hierarchy of the surrounding urban space."* – Schulze + Grassov, Parameters for Public Space

## 1. Ecological

Pre-development vs. current ecological conditions. Typologies of habitat and ecological spaces; natural + urban, terrestrial + aquatic Species biodiversity; Resident, anadromous and migrating species. Species possible. Urban vegetation, Tree canopy. Spatial connectivity; Local corridors, patches and species. Shoreline & Bay ecologies Climate change relationship (impacts/opportunities)

2. Social and Cultural + Public Realm

Public realm spaces and typologies Human use, moving and staying (incorporate class human use studies). Invitations to encourage public life and social cohesion. Gaps and opportunities. Public realm amenities: Recreation and Play, Gathering, Art, Food, Nature Neighborhood destinations and services. Indoor meeting spaces, institutions, activities, retail, work, amenities. Proximity, Gravity. Ownership (public vs private) Neighborhood demographics: Live + Work + Visitors + Stakeholders. Housing – Existing + planned. Future building sites. Check Shaping Seattle: https://www.seattle.gov/dpd/shapingseattle/map.aspx

3. Streets, Mobility and Circulation Flows

Existing and planned systems for auto, transit, bike, pedestrian, freight. Pedestrian uses and flows (incorporate studio human use counts/analyses) Street character and facades; Pedestrian environment Street section typologies and locations Alleys – qualities, water flow, potentials Gaps and opportunities in circulation Waterfront access: existing + needs + opportunities

4. Existing and in-process plans. Collect, summarize and synthesize as possible

Project Belltown Seattle Waterfront Redevelopment Viaduct + Tunnel (include Recharge the Battery) 2030 District Water Goals, Strategic Plan, and Belltown Studies Growing Vine Street SPU Stormwater: CSO Capital Project and Rainwise Basin Seattle Climate Action Plan Seattle Green Factor Lake to Bay, Market to MOHAI Plans 3<sup>rd</sup> Ave Street Design and Belltown/Denny Triangle Connected Public Realm Plans (Framework) City Habitats Building Projects in the pipeline. Check Shaping Seattle: <u>https://www.seattle.gov/dpd/shapingseattle/map.aspx</u> (coordinate with Group 2)

5. Design Drivers: Thick context, Sensory qualities

Time. History and historical place-narratives. Topography, Slope, Geology, Soil. Urban structure. Views and Viewsheds Climate and Microclimate. Sun & wind. Climate impacts on health and comfort. Seasonality. Sound/Noise (existing, future) Emotive qualities; design supporting experiential emotion Materials, place and time resonance.

## 6. Water and Watersheds

Healthy PNW water cycle + Natural water flows vs. current and predicted urban issues Stormwater System (combined/CSO) and flows. Waste Water System Potable Water System Closed loop and detention systems implemented Impact on storm + waste + potable water systems on human health and aquatic systems and resources Work with 2030 District goals and calculations Opportunities for detention, retention, storage and re-use.