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 informative, 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

9/2017

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
    3rd Ave Street Design and Belltown/Denny Triangle Connected Public Realm Plans (Framework)
    City Habitats
    Building Projects in the pipeline. Check Shaping Seattle: https://www.seattle.gov/dpd/shapingseattle/map.aspx
    (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.