WOMEN IN PLANNING:
Emerging Leaders from Academia to Planning Practice

JULY 27, 2018
Andrea Clark

Masters in Urban Planning, Sustainable Land Use
MA in American Studies
MA in Sociology
BA in Sociology
Kansas City, Mo., to Spend $2.5 Billion to Cut Sewer Overflows

Release Date: 05/18/2010
Contact Information: Chris Whitley, 913-551-7394,
whitley.christopher@epa.gov

FOR IMMEDIATE RELEASE

(Kansas City, Kan., May 18, 2010) - The City of Kansas City, Mo., has agreed to make extensive improvements to its sewer systems, at a cost estimated to exceed $2.5 billion over 25 years, to eliminate unauthorized overflows of untreated raw sewage and to reduce pollution levels in urban stormwater, the Justice Department and U.S. Environmental Protection Agency announced today.
South Hyde Park
Stormwater Management

A Neighborhood Guide
South Hyde Park is located in the Blue River Watershed. Watersheds provide drinking water and recreation for humans as well as habitats for wildlife.

Click on the map to locate the Blue River Watershed.
Common Pollutants

Bacterial Contamination

One cause of bacterial contamination in water is animal feces. Animal feces carry parasites and bacteria that are harmful to other animals and humans and should not be used as compost. When animal feces are carried by stormwater runoff, it flows directly into streams and rivers untreated.
Green Infrastructure

Green infrastructure is a sustainable approach to stormwater management that mimics natural processes to direct, capture, filter and infiltrate stormwater runoff. Green infrastructure includes natural elements, like soil and vegetation, and man-made materials, like pavement.

Rain barrels attach to your downspout and capture stormwater, which can then be used to water plants and gardens.
Click on these local resources to learn more about how you can help reduce stormwater runoff and improve water quality.

**Anita B. Gorman Conservation Discovery Center**

**Bridging the Gap**

**Green Thumb Gardens**

**Heartland Conservation Alliance**

**KC Water**

**Missouri Organic Recycling**

**Soil Service**

**University of Missouri Extension**
Contact

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andrealeighclark.com
Genevieve Pearthree
Associate Planner
City of Flagstaff, AZ

- University of Redlands
  - BS: Environmental Justice & Environmental Science
- Arizona State University
  - Master of Urban and Environmental Planning (2017): The High Cost of Unaffordable Housing in Ketchum, Idaho
    - Won the 2018 AICP Student Project Award for Applied Research
  - Master of Science in Sustainability (2018): Regenerative Design in River Restoration Projects in Los Angeles and Milwaukee
- Volunteer activities:
  - Member: APA Student Representatives Council & Governance Taskforce
  - Student Representative: APA-AZ Executive Board
The High Cost of Unaffordable Housing in Ketchum, Idaho: Causes, Effects, and Potential Solutions
Goal: Identify and analyze the causes of, and potential solutions to, housing affordability

1. Long and short-term demographic and housing trends
2. Strengths and weaknesses of current policies
3. Relevant Idaho state statutes and court cases
4. Case studies of other communities
5. Potential policies to address issues
6. Recommendations to increase workforce housing


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</thead>
<tbody>
<tr>
<td><strong>Ketchum</strong></td>
<td></td>
<td></td>
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<td></td>
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<tr>
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<td>$54,452*</td>
<td>$74,284</td>
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<td><strong>Blaine County</strong></td>
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<tr>
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<td>$54,716</td>
<td>$53,384</td>
<td>$72,320</td>
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<td>$75,312</td>
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<td>$1,061</td>
<td>$1,016</td>
<td>$968</td>
<td>77%</td>
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<td><strong>Idaho</strong></td>
<td></td>
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<td></td>
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<tr>
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<td>$53,447</td>
<td>$53,020</td>
<td>$56,136</td>
<td>$62,333</td>
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<td>$738</td>
<td>$776</td>
<td>$764</td>
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Population and Housing Occupancy/Vacancy in Ketchum, ID: 1970 - 2015

- **Total population:**
  - 1,454 people, 822 homes
  - 23% of total (678 homes)
  - 31% of total (253 homes)**
  - 39% of total (317 homes)**

- **Total housing units:**
  - 2,728 people, 3,857 homes
  - 50% of total (1,972 homes)**
  - 16% of total (615 homes)**
  - 25% of total (954 homes)**


*Housing vacancy characteristics are not available pre-1990. **Percentages may not add up to 100 due to rounding.
Owner Location/Purchase Date for Vacation Properties in Ketchum, ID: 1989 - 2016

Source: Vacation Rental By Owner, 2016. Sample size = 124.
Location of permanent homeowners compared to short-term rentals
Short-term vs. long-term rental inventory

Decreases in Long-Term Rental Advertisements in Ketchum, ID: 2012 - 2016

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<tr>
<td>Studio</td>
<td>38</td>
<td>19</td>
<td>15</td>
<td>10</td>
<td>4</td>
<td>-34</td>
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<tr>
<td>One-Bedroom</td>
<td>70</td>
<td>47</td>
<td>57</td>
<td>32</td>
<td>12</td>
<td>-58</td>
<td>-83%</td>
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<tr>
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<td>124</td>
<td>61</td>
<td>80</td>
<td>44</td>
<td>16</td>
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<td>Three-Bedroom</td>
<td>54</td>
<td>32</td>
<td>40</td>
<td>52</td>
<td>47</td>
<td>-7</td>
<td>-13%</td>
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<tr>
<td>Four+ Bedroom</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-5</td>
<td>-500%</td>
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<tr>
<td>Total Listings</td>
<td>291</td>
<td>159</td>
<td>192</td>
<td>138</td>
<td>79</td>
<td>-212</td>
<td>-73%</td>
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</tbody>
</table>

Source: VRBO.com (2016).

Source: Blaine County Housing Authority, 2017.
Next steps

- **Considerations**
  - Vacation homes and short-term rentals are important to Ketchum’s tourism-based economy
  - Idaho state laws limit affordable housing incentives and short-term rental regulations

- **Recommendations**
  - Grow the workforce housing supply
  - Use sales tax permits to track, manage, and capture value from short-term rentals
  - Conduct further research on housing needs

Image credit: City of Ketchum (2014).
Connections to professional and personal goals

- Always wanted to live and work in a mountain town
- Associate Planner at the City of Flagstaff
  - Mountain town w/ housing affordability challenges
  - Leader in urban design and sustainability in Arizona
- Goal to forge stronger planning-sustainability connections
  - Focus on social, economic, and environmental sustainability

CARRIE SAUER

Exploring New Metrics for Safety
From New York; lives and works in Philadelphia

Transit, bicycle, pedestrian planning and design

Masters in City Planning, University of Pennsylvania School of Design
Traffic-related deaths
Severe injuries
High injury network
WHAT IS EYE TRACKING?

- Gaze position
- Gaze order
- Fixation duration
- Pupil dilation
- Video
- Head movement
EYE TRACKING ANALYSIS
DO CYCLISTS SEE THIS CRITICAL SIGN?
IMPLICATIONS OF DESIGN
IMPLICATIONS OF DESIGN

Sign suggested movement

X

3%

0%

97%

merged across travel lanes
NEXT STEPS

• Pre/post-construction evaluations of infrastructure

• Comparisons of user experience, including walk audits

• Assessing wayfinding and comfort or ease
DESIGN SOLUTIONS FOR TRANSIT-ORIENTED DEVELOPMENT (T.O.D.) IN ADDIS ABABA, ETHIOPIA

Yemeserach Taddele
July, 2018
Fig1. Ethiopia (Data Source: ARCGIS World Light Gray Reference)
The project

*focuses on the transit connectivity issues faced by the Ethiopian capital of Addis Ababa.*

- Reviews theoretical and methodological contributions
- Placing concepts and design solutions
- Analyzes past and present activities undertaken
- Offers a multi-pronged approach calling for innovative thinking
- Ultimate goal is creating walkable, livable urban areas with access to public transit
Sustainable Economic Growth in Africa

- decrease the carbon intensity of the economy by consumption of low-carbon environmental goods

Strategies for pursuing sustainable development

- Architecture and Passive design strategies

Modernizing Housing and Infrastructure

- western structure with a high proportion of slum areas

Transit-Oriented Development

- reduce the dependency rate related to the use of cars

Implications for Increasing Resilience

- adapt to a variety of shocks and stresses
PLANNING CONTEXT

Ethiopia is a landlocked country with many nations, nationalities, and ethnicities.
Figure 3: Ethiopian planned Rail System (Data Source: ArcGIS of Ethiopia)
Construction along New Road Links in Addis Ababa, Ethiopia

Figure 4: Addis Ababa with Street Hierarchy (Data Source: ArcGIS of Ethiopia)
lack of urban planning mechanisms and regulation, which in some areas of the city has resulted in poor urban design outcomes.

![Problem Tree]

Urbanization of Addis Ababa

- Lack of Affordability
  - Relocation to suburbs
  - Longer Travel Time
  - Environmental Problems

- Lack of Connectivity
  - Traffic Congestions

DEGRADATION OF THE QUALITY OF LIFE

- Separation of Places and Commercial Areas
- Poverty
- Physical and Mental Problems
Objectives

TRANSIT CONNECTIVITY ISSUES

ENVIRONMENTAL
- POLLUTION
- URBANIZATION
- TRAFFIC CONGESTION

ECONOMIC
- RESIDENTS SPEND TOO MUCH MONEY ON TRANSPORTATION
- LACK OF AFFORDABLE HOUSING NEAR THE DOWNTOWN AND COMMERCIAL AREAS
- COST OF LIVING RISING

SOCIAL
- COMMUTE FROM SUBURBS
- LARGE WALKING DISTANCE
- INFORMALITY OF TRANSPORTATION SYSTEM

Fig 6. Transit Connectivity Issue
Transit

Addis Ababa with Street Hierarchy

Fig 7. Project Sites
- Located on the east corner side of Addis Ababa
- Residential areas, mix-used areas, urban redevelopment with compact concept, and new urban redevelopment with business district.
- The plan adopts new mixed use zoning category and flex unit policy for commercial land use corridors
Proposed Transit Oriented Development Designs
SITE 3

**Existing**

- Create a smooth transition between cars and pedestrians on Meskell Square
- Elevated roundabout at Meskell Square

**Proposed**

- The cultural district of Addis Ababa
- Design solution that will carefully blend the old and the new
- Creating transit corridors by keeping the historical context
Proposed Designs

TRANSIT ORIENTED DEVELOPMENT (TOD)

- MORE ALTERNATIVE TRANSPORTATION CHOICES
- LOW CARBON EMISSION
- GREEN TECHNOLOGY
- RESIDENTS' MONEY SPEND ON TRANSPORTATION DECREASES
- AFFORDABLE HOUSING NEAR THE DOWNTOWN AND COMMERCIAL AREAS
- LIVING WORKING ENVIRONMENT
- SHORTER TRAVEL TIME
- SHORT WALKING DISTANCE
- EASY AND AFFORDABLE ACCESS TO TRANSPORTATION
- CREATING A LIVING WORKING ENVIRONMENT ON URBANIZED AREAS
THANK YOU

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Metropolitan Council

- Senior Planner – Metropolitan Council
- University of Tehran
  - BA: Urban Planning: An Organizing Plan for Bojnourd Inner City
- University of Minnesota
  - Master of Urban and Regional Planning (2011): Mississippi National River and Recreation Area Sustainability Framework
- Volunteer activities:
  - Member: APA, APA Minnesota Chapter, APA Women & Planning Division
  - Commissioner Vice-Chair Neighborhood and Community Engagement Commission – City of Minneapolis
  - Committee Member Capital Long-Range Improvement Committee (CLIC) – City of Minneapolis
  - Mentor: Urban Scholars Program, Humphrey Mentorship Program
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American Planning Association
Women and Planning Division

Making Great Communities Happen