

# Larry Dean Hay

## Landscape Architecture

### Portfolio







Cedar Falls, Hocking Hills Ohio, April 2011

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## Inspired by nature, driven by service.

Since childhood, I have been inspired by nature to recharge, refocus and refine my aspirations and direction. As an adult, I have studied several different professional disciplines including veterinary medicine and nuclear engineering before finally arriving at landscape architecture and arboriculture. While the former two were very challenging, neither would allow me to actively contribute to improve quality of life for urban residents like the latter two disciplines.

In graduate school, I learned that landscape architecture lies at the nexus of civil engineering, landscape design and architecture. With experience, I've come to realize that its core purpose and responsibility is to change the way people interact within the urban environment. A great design will win accolades and awards but it must inspire, improve the mental health of its users and/or become a habitual destination.

My studies in landscape ecology, design and urban planning demonstrate how I can share natural elements and ecosystem that would inspire and refocus others within their work, live and play environments. This service to others is why I strive to continue to learn through observation and immersion in fellow landscape architect's designs.

The landscape and urban designs contained herein include strong elements of landscape ecology and landscape architecture and were thankfully approved, and in most cases, built by progressive clients. The included photographic images reflect souvenirs of my travels to those natural environments that continue to inspire me.

Enjoy and thank you,  
Dean Hay

bio





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# Park design





Connection Courtyard

## A Green Gathering Space for Connection Ministries

Connection Courtyard is the heart of the overall site design and provides a hub of activity for this large church. The design features a network of pathways that connect destination nodes including soccer fields, a playground, a senior living center and a bridal destination space. The Courtyard provides opportunities for ministry groups to gather outdoors, the ability to host small events, an introduction of new play opportunities and a connection with potential new families visiting the space.

This Courtyard also introduces a variety of seating and playspace options: a large open formal seating area, numerous informal seat wall spaces, a contemplative seating area nestled within a semi-opaque landscape and open adjacent recreation areas that encourage playful activities.





# Park design

## Forman Stormwater Park

Detroit's first green infrastructure park  
In 2016, The Greening of Detroit was asked to develop a green infrastructure park that could serve as an environmental education and recreational destination. This concept was developed to teach residents the process and critical concepts associated with natural stormwater treatment in an urban area. In the design, these critical lessons include: stormwater and jurisdictional responsibility, sediment removal, pollutant removal, stream channels (aquatic insect development) and open water (fish development).

Detroit Recreation Department owns this isolated 6.33 acre property and required the design to include a kayak/canoe dock and respite area to comply with elements of The Rouge River Water Trail Strategic Plan.

The park is not currently utilized and was not recommended for improvement in the 2017 park improvement plan due to its location amongst a heavy industrially zoned area and limited access by vehicles or pedestrians. Forman Park also lies in the shadow of the 80+ foot tall I-75 MDOT Rouge River bridge along the south property line. Tall deciduous and evergreen trees have been used along the perimeter to screen these intense adjacent land uses and assist in arresting the large airborne particulate load coming from adjacent train and vehicle traffic.



- Stormwater parking
- Sediment removal
- Pollutant removal
- Zipline course
- Open water viewing platform
- Stream channel
- MDOT stormwater collection pond
- Canoe/kayak livery respite area





# Greenway design



## Moross Greenway



Rhythmic undulating plant heights

Local art exhibit

Seating area

Chester St.

Moross Greenway was conceptualized in 2010 and developed by a volunteer resident group. The project is located along the Detroit/Grosse Pointe border and serves as a demonstration site for the flowering beauty of native and introduced plants.

Four art pads were constructed to feature sculpture from local artists on a rotating basis. The art pads coincide with the locations where the undulating plant heights are shortest to highlight the massive scale of the selected sculpture pieces.



## Chester Street seating area

This seating area features landscape plants that envelop and reduce the space to a human scale in this largely vehicular dominated corridor. Pollinator plants surrounding the seating area were selected for three season flowering beauty and scents to entice pedestrians to loiter and enjoy a respite on their journey.



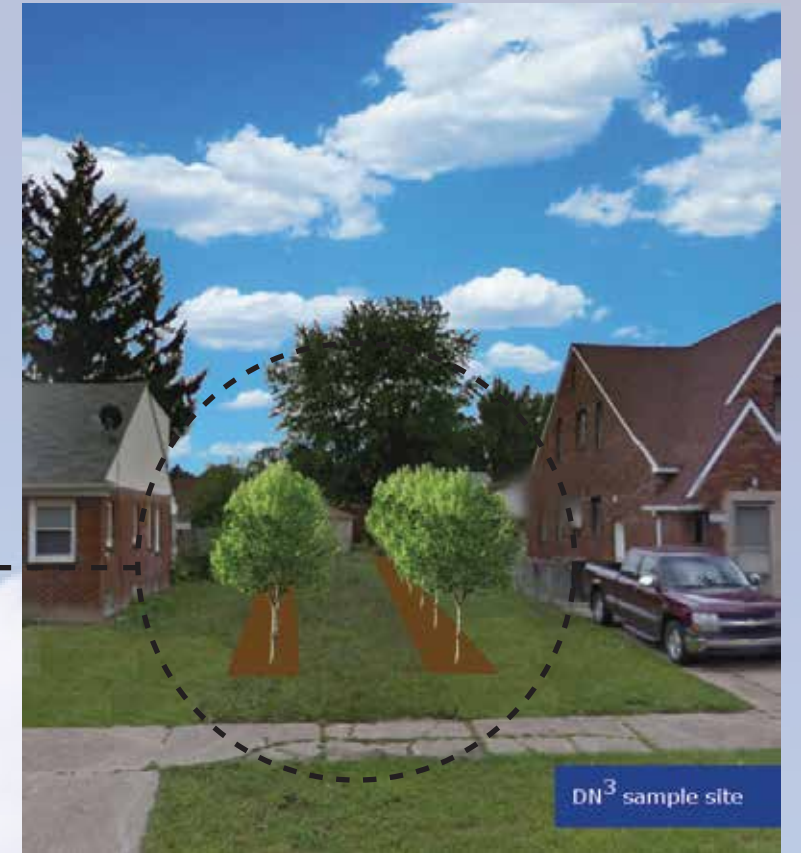


### An array of community-based vacant land treatments

In 2016, Osborn Neighborhood Alliance Community Development Corporation asked to develop an array of vacant land treatments that would serve as a model to other Detroit communities with large tracts of vacant land. Each of the vacant land treatments were to include an environmental education, job training, revenue generation and/or a job creation component. The Osborn community is a low income, high unemployment neighborhood that currently has near 50% abandoned and vacant land distribution throughout its industrial, commercial and residential land use types and a large concentration of persistent dumping behavior. These land treatment models would create and activate clean, green land uses and promote safe spaces with non-vehicular routes to the surrounding neighborhoods.



Tree nursery



Community education space



Unimproved vacant lot

Sunflower labyrinth



## A Green transit stop on the Gratiot Triangle

In 2012, Detroit Eastside Community Collaborative proposed a sustainable, low maintenance landscape on a traffic island housing a DDOT bus transfer stop. The design needed to beautify this pedestrian/bikeway node and correct many existing dangerous and unsightly conditions. The existing site concerns included large ponds that formed after rain events, a dangerous pedestrian traffic pattern at the narrow point of the island across a fast moving traffic lane, a lack of seating and shade on the island and an abundance of ground debris left by bus passengers.



Sidewalk extension

Topsoil mound

Bus shelter/bench

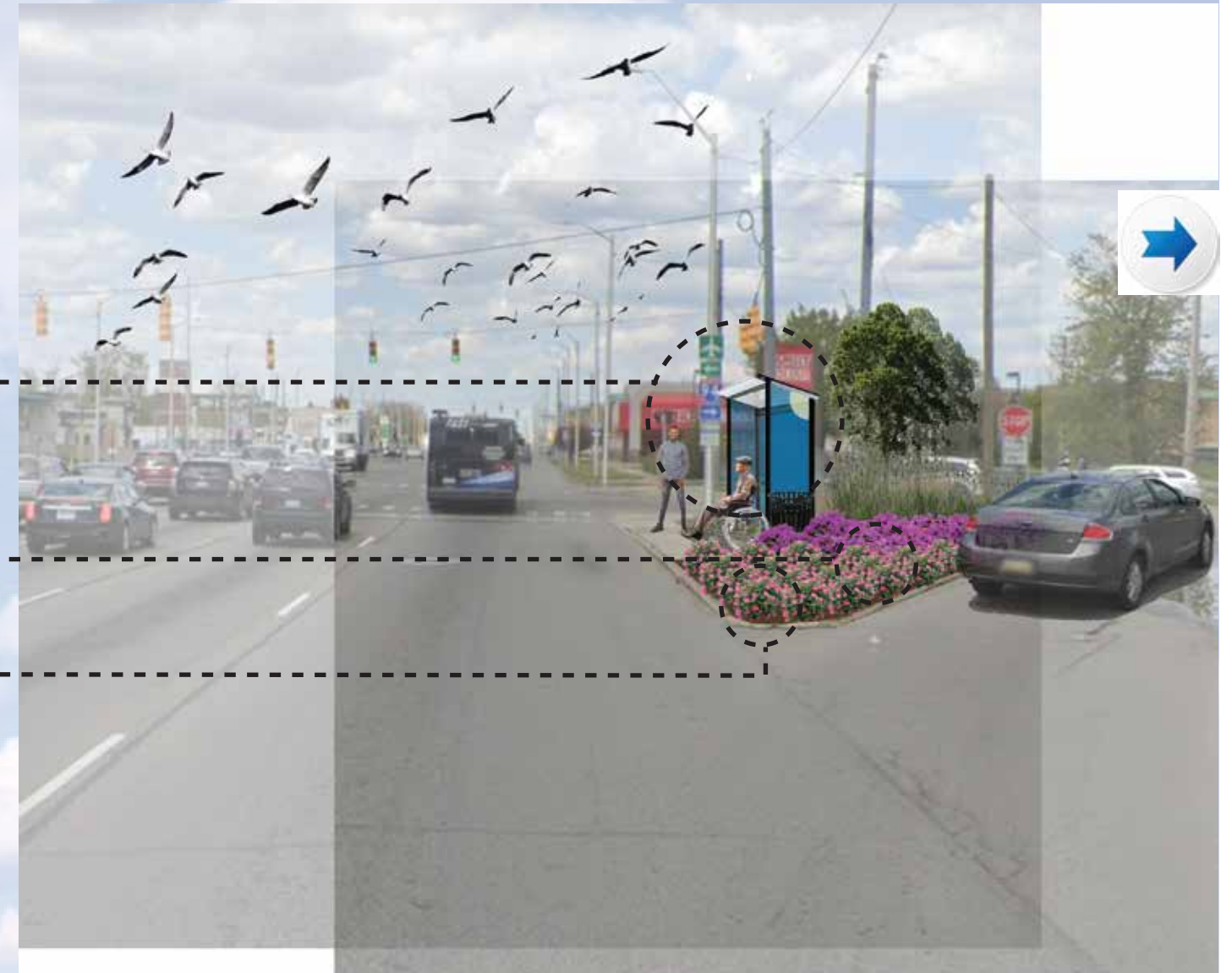
Trash receptacle

Existing dangerous  
pedestrian crossing

Rugosa rose  
plantings

Several design solutions were included to correct these existing conditions:

- 1) The site was regraded with a three foot central ridge to promote stormwater drainage;
- 2) A new extended 20' concrete sidewalk allowing up to 15 bus passengers awaiting DDOT Gratiot and Conner buses;
- 3) A bus shelter, bench and trash receptacle were installed to establish a protected seating area for pedestrians, shelter from the elements and reduce ground debris; and
- 4) Aggressively-thorned Rugosa rose shrubs were included in the landscape to redirect pedestrians to the Conner Road sidewalk and avoid unsafe travel to the CVS store. Hybrid Elm trees provide shade and further rain protection. Red switchgrass were planted to improve stormwater infiltration in this heavily compacted traffic island.







This site contained four abandoned houses that were removed for this project. The 40 foot diameter seating area, set into a short-grass prairie and pollinator landscape, serves as a natural exploration space and outdoor education center. Environmental education programming is coupled with other education and play opportunities at the adjacent community center and public library for kids in the neighborhood.

Large seating area



Education seating area

Local art exhibits

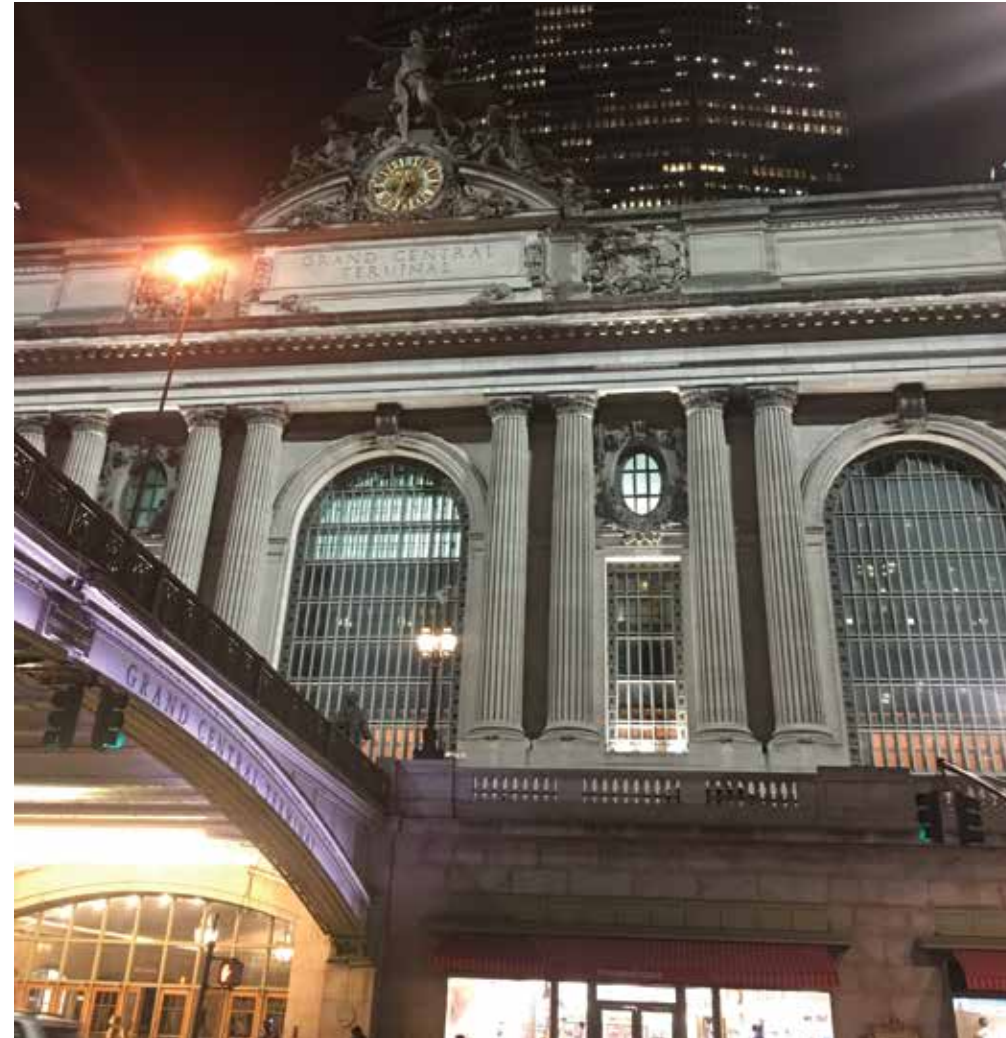
This one-acre native space also features installations from local artists like this monarch caterpillar climbing structure made from used tires collected from nearby alleys.







Liberty Island, NYC 2019



Grand Central Terminal, NYC 2019



Central Park, The Lake, NYC 2019





Upper Yellowstone Falls, Yellowstone NP 2011



Borer damage, Yellowstone NP 2011



Yellowstone Lake, Yellowstone NP 2011

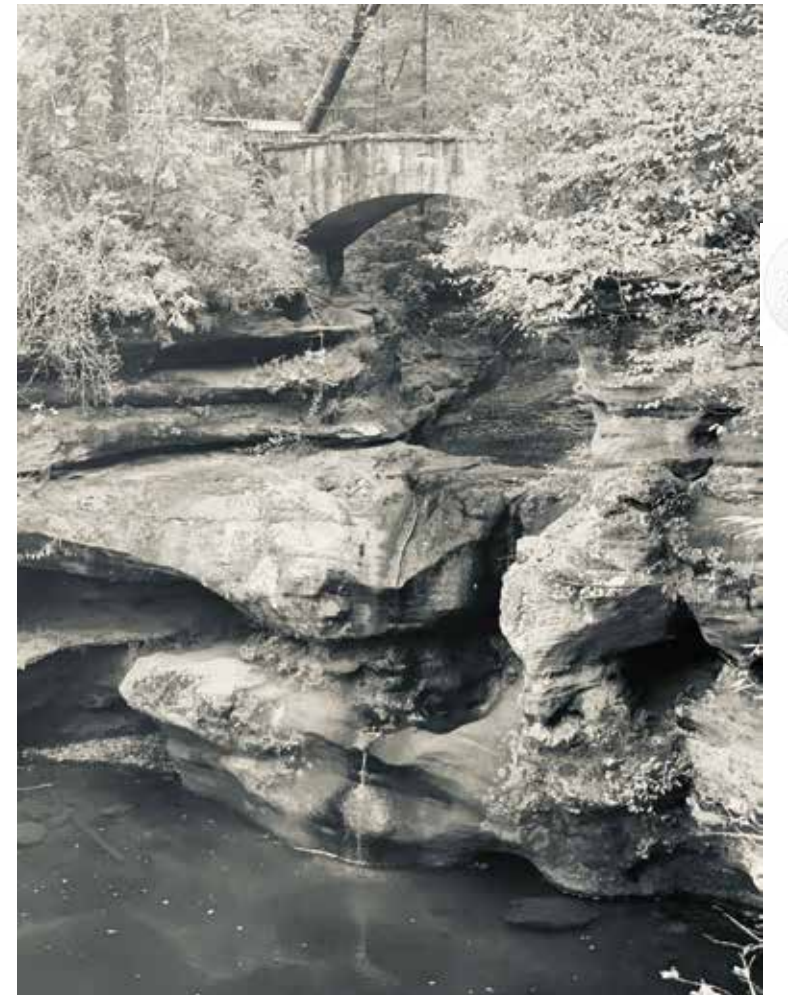




Cedar Falls Trail respite, Hocking Hills 2019



Hemlock grove, Hocking Hills 2019



Upper Falls at Old Man's Cave,  
Hocking Hills 2019

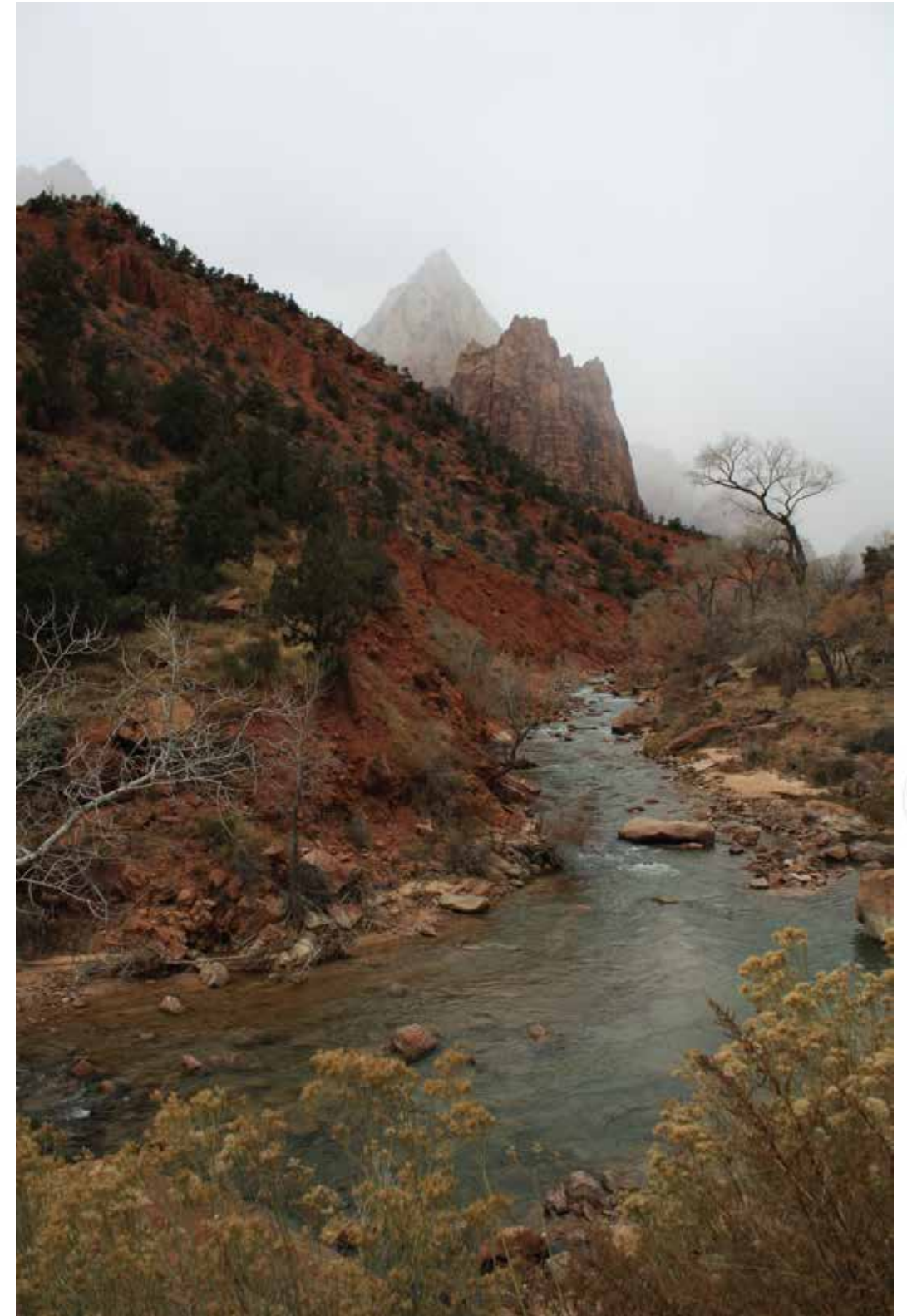




Colorado Plateau geological formation, Zion NP 2011



Zion Narrows river rock, Zion NP 2011



Virgin River, Zion NP 2011







Hemlock stump, Algonquin PP, Ontario CA 2014



Early morning fishing, Algonquin PP, Ontario CA 2014



Hailstorm Creek Preserve, Algonquin PP, Ontario CA 2014