

# **Sinuosity, LLC Project Portfolio 2010-2022**

## Trail Planning, Design and Management Projects

### **Hubbard Park: Montpelier, VT (2022)**

Design of a new bike optimized downhill trail for the City of Montpelier.

### **Stratton Mountain Resort: South Londonderry, VT (ongoing)**

Design for construction of a complete downhill bike park serving a diversity of mountain bike trail user abilities and interests. Trails designed range from Beginner level machine built, to Intermediate trails featuring jumps and rugged naturally featured Advanced trails.

### **Andrews Community Forest: Richmond, VT (2021)**

Design of a mountain bike and multi-use trail network for the Town of Richmond. Design of 5 miles of new trail segments was planned in collaboration with a team of ecologists to minimize trail development impacts.

### **Hubbard Park: Montpelier, VT (2021)**

Assessment of existing multi-use trails and design of new segments for inclusion in a mountain bike specific loop for the City of Montpelier.

### **Twin Farms: Barnard, VT (2021)**

Design of a Beginner to Intermediate level enduro mountain bike trail network for Twin Farms on their private ski hill. Design and planning for two phases of construction with a total of 4 miles of new trail segments.

### **North Branch Nature Center/Montpelier Area Mountain Bike Association: Montpelier, VT (2020)**

Assessment of existing trails and design for expansion of bike optimized trails with the addition of 3 miles of new intermediate/beginner trails.

### **Worcester Ridge: Elmore, VT (2020)**

Design of a 9 mile Intermediate to Expert level enduro mountain bike trail network for a private landowner. The design and trail layout incorporated multiple route options and difficulty levels to enable riders to combine trails and customize each run down the slope.

#### **PROJECT PORTFOLIO**

## Riverlands Trail Network Design: Sturbridge, MA (2019)

Conceptual design and preparation for construction of a 5 mile multi-use trail network, managed by the Sturbridge Trails Committee and in concert with the Conservation Commission. **Contact:** Brandon Goodwin, [bgoodwin321@gmail.com](mailto:bgoodwin321@gmail.com)

## Kimball Union Academy Conceptual Trail Network Design: Northfield, New Hampshire (2019)

Inventory and assessment of existing conditions of a trail network utilized for x-country running and skiing practice and races, with improvements and design of new trail to accommodate mountain bikes and expand the network.

## Suicide Six Ski Area: Pomfret, VT (2018)

Design of a Downhill Bike Park for Suicide Six Ski Area and the Woodstock Inn. Trail layout incorporated multiple route options and difficulty levels to enable riders to choose a few trail combinations and customize each run down the mountain.

## Trescott Water Supply Co. Lands: Hanover, NH (2018)

Trail Master Plan including assessment of current recreational trails and conceptual design of new trail opportunities on lands managed by the Trescott Water Supply Co. Sinuosity and the town of Hanover co-hosted a series of community forums to gather trail user input and identify priorities for new trail additions.

**Contact:** Vickie Smith, [vicki.smith@hanovernh.org](mailto:vicki.smith@hanovernh.org)

## Belleayre Mountain/Shandaken: Shandaken, NY (2017)

Conceptual design and mapping of 17 miles of new mountain bike trails, 18 miles of new XC ski trails, and assessment of 20 miles of existing trails to plan a year-round multi-use trail network for the State of New York in partnership with our friend Eddie Walsh of Tahawus Trails. **Contact:** Bill Rudge, [bill.rudge@dec.ny.gov](mailto:bill.rudge@dec.ny.gov)

## Town of Weare: Weare, NH (2017)

Assessment of current opportunities for recreation on 7 of the Weare Town Forests. Conceptual designs for expansion, where appropriate as well as probable cost and maintenance/management recommendations.

## Perry Hill State Park: Waterbury, VT (2016)

Consult on design and planning for reconstruction of multi-use trail section.

**Contact:** Diana Fredrick, [diana.frederick@state.vt.us](mailto:diana.frederick@state.vt.us)

## PROJECT PORTFOLIO

## **Vermont Technical College: Randolph, VT (2016-17)**

Conceptual Design of a trail system to provide multi-use (including purpose built bike trails, as appropriate) recreational opportunities to students, faculty and public on the VTC campus.

## **Owl's Head Golf Resort: Thornton, NH (2016)**

Phased plan and design of a network of multi-use trails to accommodate a variety of non-motorized trail users at a diversity of skill levels. Design includes both identifying and highlighting previously unknown natural features to include in the trail system.

## **Delaney Woods: Wells, VT (2016/17)**

Design of purpose built mountain bike trails to augment the beginnings of a trail network started earlier in 2016 by a new chapter of Vermont Mountain Bike Association.

## **Town of Killington, VT (2013-2016)**

Trail Planning and Design of 15 miles of multi-use trails on State Park, USFS, and private land, with a goal of connecting existing commercial trails at Killington Resort with the town of Killington and nearby state and federal land. 6 miles (phases 1-3) have been constructed thus far. **Contact:** Seth Webb, sethwebb@gmail.com

## **Smuggler's Notch: Jeffersonville, VT (2016)**

Design of phased expansion to existing x-country mountain bike trail system.

## **Midland Trails: Jeffersonville, VT (2015)**

Design of expansion to an existing entry level trail system for local VMBA chapter BRMBC.  
**Contact:** Danielle Owczarski, owczarsd@gmail.com, 802.734.9375

## **Cranmore Ski Area: North Conway, NH (2015)**

Conceptual design and plan for family oriented, lift serviced mountain bike trails.

## **Little River State Park Mountain Bike Trail Plan: Waterbury, VT (2015)**

Purpose built mountain bike trail plan and design in Little River State Park.  
**Contact:** Jessica Savage, [jessica.savage@vermont.gov](mailto:jessica.savage@vermont.gov), 802-249-1230

## **Mad River Path Association: – Fayston, VT (2015)**

Multi-use Trail Plan and Design on the Tenney property, owned by the Vermont Land Trust.  
**Contact:** Will Flender, path@madriver.com, 802-496-7284

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## Town of Claremont, NH (2014)

Moody Park Trail Assessment and Maintenance Management Plan of 6 miles of multi-use trails.

**Contact:** Mark Brislin, mbrislin@claremontnh.com, 603-504-0281

## Friends of Northern Lake Champlain: – St. Albans, VT (2014)

Hard'ack and Aldis Hill Trail Assessment and Maintenance Management Plan of 7 miles of multi-use trails.

**Contact:** Denise Smith, denisefnlc@gmail.com, 802-355-0694

## Town of Waitsfield, VT (2013-2014)

Scrag Forest Trail Maintenance Plan and Design of 4 miles of hiking trails on town owned land.

**Contact:** Leo Laferriere, leol@gmavt.net

## Mad River Path Association – Fayston, VT (2014)

Multi-use Trail Plan and Design on the Tenney property, owned by the Vermont Land Trust.

**Contact:** Will Flender, path@madriver.com, 802-496-7284

## City of Burlington, VT (2013)

Arms Park Trail Maintenance Management Plan for 4 miles of multi-use trails on public and private land.

**Contact:** Dan Cahill, DCahill@burlingtonvt.gov, 802-863-0420

## Vermont Mountain Bike Association: Waterbury, VT (2013-2014)

Trail Assessment and Maintenance Plan for 6 miles of multi-use trails at Perry Hill on State land.

**Contact:** Tom Stuessy, tom@vmba.org, 802-342-7568

# Trail Design and Construction

## Completed Projects:

**Jay Peak Resort (2022):** Design and construction of a pump track at the base lodge of Jay Peak Resort

**Stratton Mountain Bike Park (2022):** Phase 3 construction of 4 miles of bike specific trails on Stratton Mountain Resort's downhill bike park including a skills park, jump trail, and two new flow/tech trails

**Raptor Lane (2022):** Design and construction of a 0.66 mile Intermediate/Advanced tech/flow downhill trail for NATS and the town of Dorset, VT

**Mt. Holly School (2022):** Design and construction of a pump track and bike skills park

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**Touchstone Drive (2022):** Design and Construction of a 0.5 mile Beginner level mountain bike trail network for a private landowner in Stowe, VT

**Raptor Lane (2021):** Design and construction of a 0.8 mile Intermediate downhill flow trail for NATS and the town of Dorset, VT

**Talta Logde Pump Track (2021):** Design and construction of a pump track at a hotel in Stowe, VT

**Worcester Ridge (2020-2021):** Design and Construction of an Intermediate to Expert level Enduro mountain bike trail network for a private landowner in Elmore, VT

**Windham Mountain Skills Park (2021):** Design and Construction of a Beginner to Intermediate bike skills park at the base of the ski mountain and the Wilbur Flow mountain bike trail in Windham, NY

**Touchstone Drive (2021):** Design and Construction of a 3 mile Beginner to Intermediate level mountain bike trail network for a private landowner in Stowe, VT

**Meyer's Pump Track (2021):** Design and construction of a backyard pump track on private land in South Burlington, VT

**Threshold Training Jump Track (2021):** Design and construction of a small jump line and pump track on private land in South Burlington, VT

**Dover School Bike Trail (2021):** Design and construction of a bike trail for the Dover School in Dover, VT

**Hard'ack / Aldis Hill (2021):** Implementation of Phase 1 of a trail network maintenance and improvement plan including 0.6 miles of new trail in St. Albans, VT for Franklin County MTB Club

**Murman Bike Trail (2021):** Design and construction of a backyard trail on private land in Waterbury, VT

**Cochran's Ski Area (2020):** Construction of a 0.5 mile Beginner mountain bike trail and large pump track at the base of the non-profit ski area in Richmond, VT

**Waitsfield Elementary School Pump Track (2020):** Construction of a small public pump track in Waitsfield, VT

**Moretown School Bike Skills Park (2020):** Construction of a bike skills park and a bike optimized 1 mile Beginner trail loop for the Mad River Riders in Moretown, VT

**Talbot Private Flow Trail (2020):** Design and construction of a 1.5 mile Beginner flow trail loop on private land in Warren, VT

**Freeport Private Flow Trail (2020):** Design and construction of a 0.5 mile flow/tech trail on private land in Freeport, ME

**Montpelier Pump Track (2020):** Construction of a public pump track for MAMBA in Montpelier, VT

**St. Albans Town Forest (2019-2020):** Implementation of Phase 1 and 2 of a trail network expansion plan for St. Albans Town Forest, finalized in 2015. Funding was procured and construction began in Fall 2019

**Stratton Mountain Bike Park (2019-2021):** Phase 1 and 2 Construction of 5 miles of bike specific trails to create the Stratton Mountain Resort's downhill bike park

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**Stowe Youth Cycling Jump Trail and Pump Track (2019):** Design and construction of a jump trail with multiple dirt and wooden features and a large Crankworx style pump track on private land in Stowe, VT

**South Kent School (2017-19):** Design and Construction of a bike specific trail network for South Kent School, a secondary school located in South Kent, CT. Design completed and construction commenced in fall 2017. Project completed Spring 2019 with over 6 miles of trail.

**North Branch Trails (2018-2021):** Design and Construction of 3 Phases and 4 miles of bike optimized trail additions to an existing multi-use trail network in Montpelier, VT

**Gifford Woods State Park (2019):** Design and Construction of a 0.25 mile Beginner flow trail loop at the Gifford Woods State Park in Killington, VT

**Saskadena Six Area (2018):** Design and Construction of 2 miles of trail at a new Downhill Bike Park for Saskadena Six Ski Area, Promfret VT

**Cady Hill Forest (2018):** Reconstruction of parts of Bear's Trail and Charlie's Trail for the Town of Stowe, VT

**Twin Valley Elementary School Pump Track (2018):** Design and construction of a large pump track in Wilmington, VT

**People's Academy Elementary School (2018):** Design and construction of a crushed stone surfaced walking trail in Morrisville, VT

**Perry Hill Entrance Trail (2017):** Design and construction of a new dual direction entrance trail to access the popular network at Perry Hill in Waterbury, VT.

**Delaney Woods Flow Trail (2017):** Design and construction of a 0.4 mile rocky flow trail in the Delaney Woods Town Forest for Slate Valley Trails in Wells, VT

**Mainline Trail at Millstone Hill (2017):** Design and construction of a 0.7 mile Beginner multi-use trail for Millstone Trails in Barre, VT.

**Norwich University Skills Trail (2017):** Design and construction of a 0.25 mile skills trail loop for Norwich University in Northfield, VT

**Town of Killington, VT (2016-2017):** Construction of 3 miles of multi-use trails on State Park, USFS, and private land.

**Cricket Hill Trails (2016-2017):** Design and construction of a system of purpose built mountain bike trails within the Cricket Hill XC ski trail network behind the Lamoille Union Middle/High School in Hyde Park, VT

**Evolution Trail (2016):** Construction of a 1.2 mile Intermediate bike optimized dual direction trail for Mad River Riders within the Camels Hump State Forest in Waitsfield, VT.

**Perry Hill Campfire Trail (2016):** Design and construction of a 0.5 mile Intermediate bike optimized trail at Perry Hill for VMBA in Waterbury, VT.

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**Perry Hill Pump Track (2016):** Design and construction of two pump tracks on Town of Waterbury land at the trailhead for Perry Hill in the Putnam State Forest.

**Mad River Path, Waitsfield, VT (2016):** Built a new 6' wide crushed stone surfaced, 0.5 mile multi-use section of the Mad River Path providing access for the Waitsfield Elementary School along the Mad River

**Norwich University, Northfield, VT (2013-2019):** Annual Maintenance of 6 miles of multi-use trails on the former Norwich University ski hill. Contact: Hollis Ricker, hricker@norwich.edu, 802-485-2153

**Blueberry Lake (2015):** Construction of the 0.5 mile Suki's Alley trail on National Forest Service property in Warren, VT.

**Williston Backyard Flow Track (2015):** Design and construction of a downhill flow track on private land in Williston, VT

**Moody Park Trail Network (2015):** Design and construction of an overhaul of the Moody Park trail network in Claremont, NH after a significant logging operation. Trail styles included a new downhill flow trail, multiple rebuilt singletracks, a new crushed stone surfaced walking path, and the installation of 1,100 concrete pavers to reduce erosion on the steep Gravity Cavity trail. We partnered with Off the Beaten Bath Trailworks to build the walking path and Snowhawk LLC for bridge construction.

**Westminster School Pump Track (2015):** Design and Construction of a pump track on the school playground in Westminster, VT.

**Doirion Backyard Flow Trail (2015):** Design and construction of a 0.3 mile flow trail loop on private land in Stowe, VT

**GS Trail Reroute (2014):** Design and construction of an overhaul of the GS trail in the Camel's Hump State Forest for the Mad River Riders in Waitsfield, VT

**Cady Hill Snake Trail (2014):** Design and construction of a 0.75 mile primarily handbuild singletrack climbing trail for the Stowe Mountain Bike Club

**Cady Hill Charlie's Trail (2014):** Trail Maintenance and Reconstruction of a multi-use trail in the Cady Hill Forest in Stowe, VT

**Cady Hill Connector (2013):** Design and Construction of a 1.2 mile bike optimized multi-use trail in the Cady Hill Forest for the Town of Stowe, VT

**Perry Hill Trails (2013-2014):** Trail Maintenance and Reconstruction of 2 miles of multi-use trails at Perry Hill on State land.

**Norwich University Trails (2010-2012):** Design and Construction of 6 miles of multi-use trails on the former Norwich University ski hill in Northfield, VT.

**Putney Central School Pump Track (2014):** Design and Construction of a pump track on the school playground in Putney, VT.

**Ascutney Trails Pump Track (2012):** Design and Construction of a pump track adjacent to a community multi-use trail network in West Windsor, VT.

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**Hard'ack Pump Track (2012):** Design and Construction of a pump track adjacent to a community multi-use trail network and ski hill in St. Albans, VT.

**Private Walking Trails (2013 and 2016):** Design and Construction of a series of hiking and snowshoe trail in Cambridge, NY

**LaPlatte River Trail (2012):** Design, Construction and re-establishment of sections of a multi-use trail along the LaPlatte River for the town of Shelburne, VT

**Private Hiking Trails (2011):** Design and Construction of a 0.75 mile hiking trail in Waterbury, VT

**Green Mountain Trails (2010):** Significant improvements were completed with hand tools on the Warman trail in Pittsfield, VT to improve bike optimization on a recently machine built trail.