

Montoursville Borough

Park Master Site Plans for
Indian Park, Mill Street Park and
Susquehanna River Access



Plan Prepared By:

BSA / LA

Brian S. Auman / Landscape Architecture



MONTOURSVILLE
BOROUGH PARKS

MASTER PLAN
SUMMARY
REPORT

December 2014

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BOROUGH PARKS

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SPECIAL THANKS
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MASTER PLANNING PROCESS

Organization and Background Data Gathering

- Form Study Committee
- Review Previous Plans and Reports
- GIS Mapping and Site Analysis
- Facilitate Study Committee Meetings (4)

Community Engagement

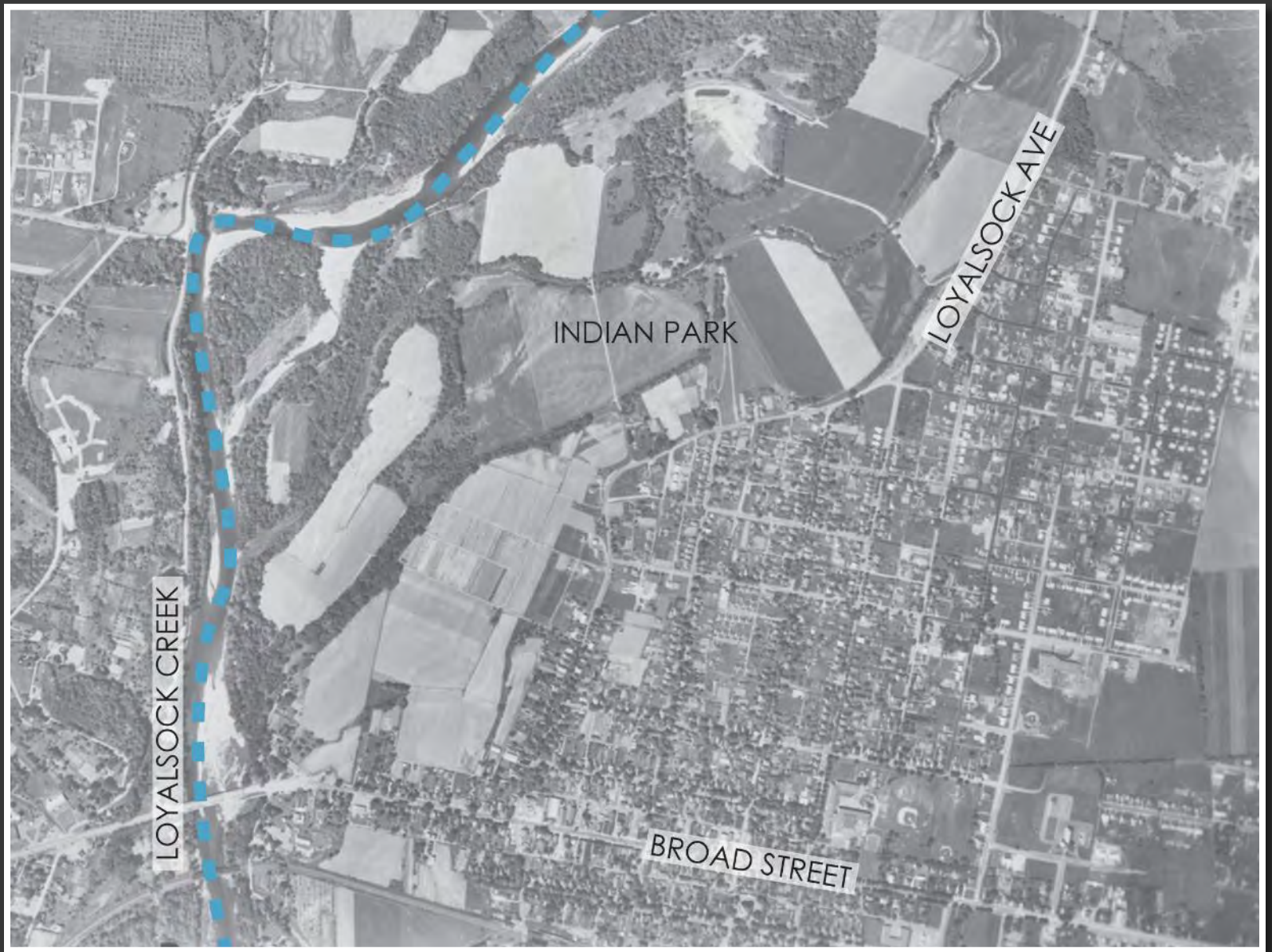
- Focus Groups (6)
- Park User Survey
- Public Meetings

Park Master Site Plans

- Park Master Plans
- Priority Project Lists
- Cost Estimates
- Actions and Strategies
- Funding Partnership
- Grant Assistance

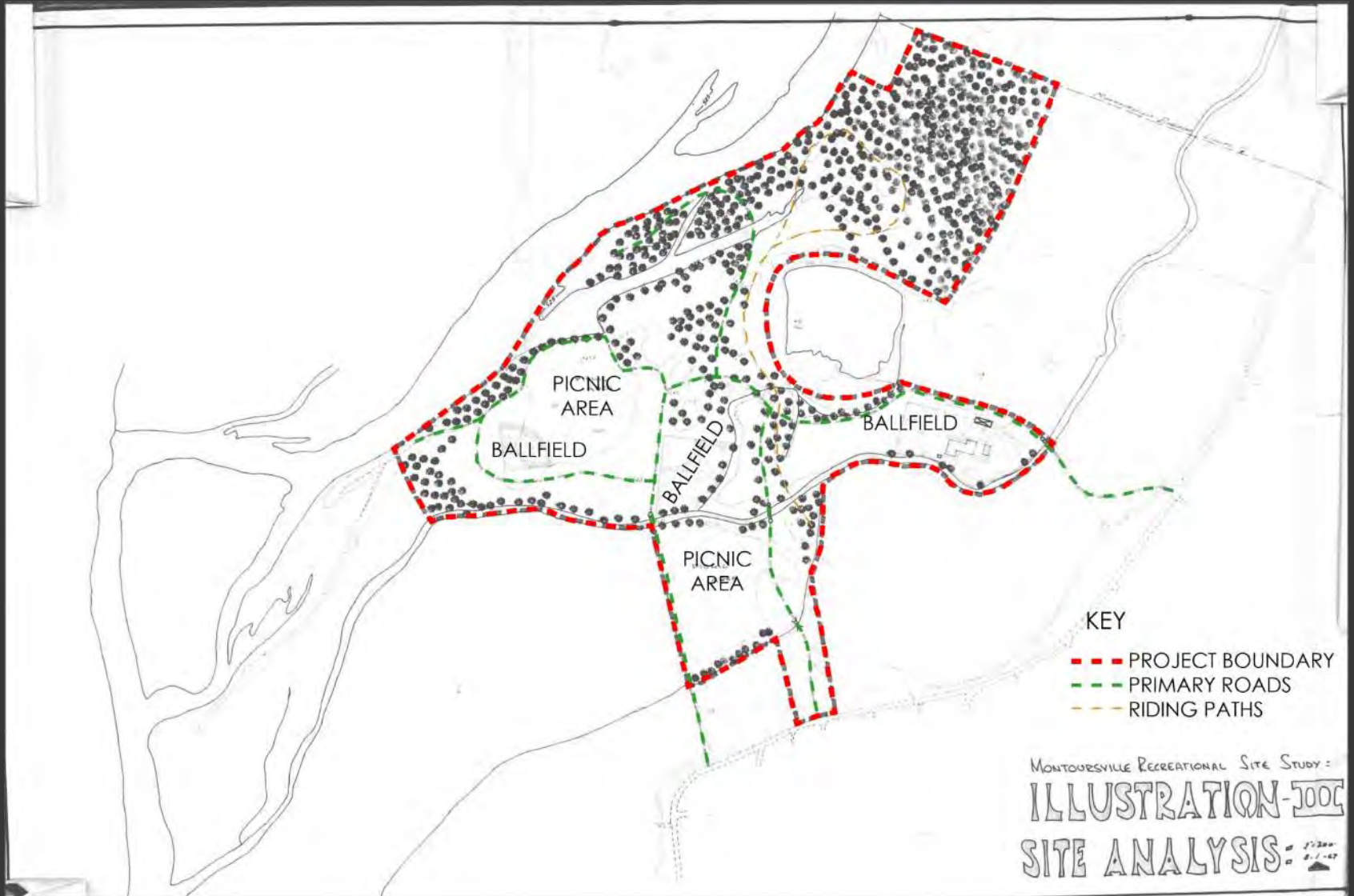
ORGANIZATION AND BACKGROUND DATA GATHERING





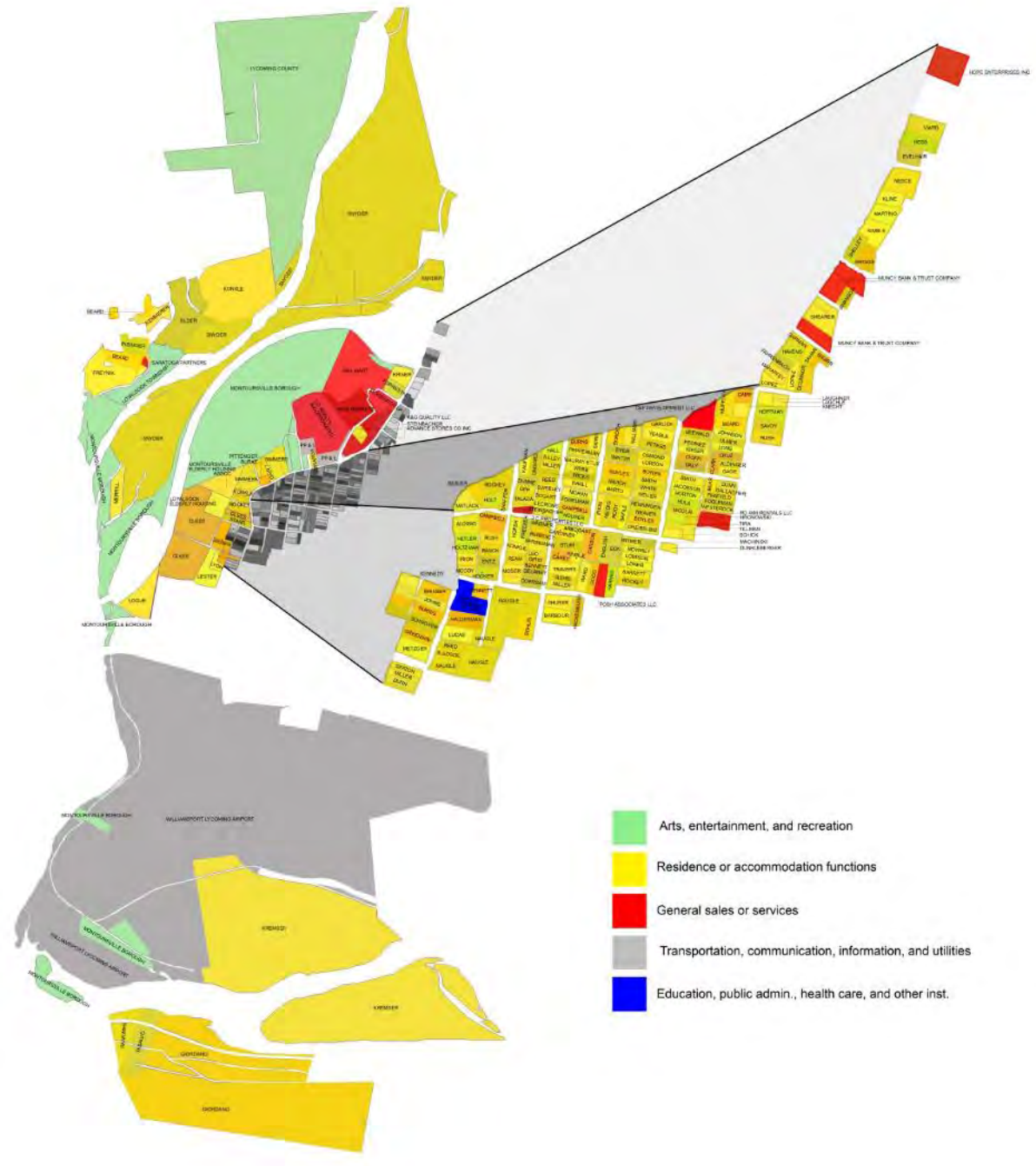
HISTORIC MAPS

Montoursville 1959



HISTORIC PARK PLANS

Indian Park Site Analysis 1967



- Arts, entertainment, and recreation
- Residence or accommodation functions
- General sales or services
- Transportation, communication, information, and utilities
- Education, public admin., health care, and other inst.

LAND OWNERSHIP MAP

Linden loam, occasionally flooded (Ln)

	Category	Rating	Rating Reasons
Recreational Programs	Playgrounds	Somewhat Limited	Flooding (0.60) Dusty (0.03)
	Picnic Areas	Somewhat Limited	Dusty (0.03)
	Paths and Trails	Somewhat Limited	Dusty (0.03)
	Camp Areas	Very Limited	Flooding (1.00) Dusty (0.03)
Septic Capability	Septic System in Ground Trench (Conventional) (PA)	Very limited	Seasonal High Water Table (1.00) Flooding (1.00) Fast Percolation >12" (1.00) Slope (0.01)
Wastewater	Slow Rate Treatment of Wastewater	Very Limited	Filtering Capacity (1.00) Flooding (0.60) Too Acid (0.14)
Surface Treatment	Unpaved Local Roads and Streets	Very Limited	Flooding (1.00) Frost Action (0.50) Dusty (0.03)
Erosion	Erosion Hazard (Road Trail)	Slight	
	Erosion Hazard (Off-Road, Off Trail)	Slight	
Hydric	Hydric Rating		3



Udifuvents, loamy (Ud)

	Category	Rating	Rating Reasons
Recreational Programs	Playgrounds	Not Rated	
	Picnic Areas	Not Rated	
	Paths and Trails	Not Rated	
	Camp Areas	Not Rated	
Septic Capability	Septic System in Ground Trench (Conventional) (PA)	Very limited	Seasonal High Water Table (1.00) Flooding (1.00) Miscellaneous Area (1.00) Potential Bedrock near 60" (0.20) Slope (0.01)
Wastewater	Slow Rate Treatment of Wastewater	Somewhat Limited	Flooding (0.60) Depth to Saturated Zone (0.09) Too Acid (0.08)
Surface Treatment	Unpaved Local Roads and Streets	Not Rated	
Erosion	Erosion Hazard (Road Trail)	Slight	
	Erosion Hazard (Off-Road, Off Trail)	Slight	
Hydric	Hydric Rating		5

SOIL INVENTORY MAP



EXISTING CONDITIONS



River Birch
Betula nigra



Blueberry
Vaccinium angustifolium



Honeysuckle
Lonicera periclymenum



Norway Maple
Acer platanoides



Poison Ivy
Toxicodendron radicans



American Sycamore
Platanus occidentalis



Garlic Mustard
Alliaria petiolata



Mayapple
Podophyllum peltatum



Red Raspberry
Rubus stigosus



Yellow Water Lily
Nuphar lutea



Black Cherry
Prunus serotina



Common Wild Violet
Viola



Staghorn Sumac
Rhus Typhina



Sensitive Fern
Onclea sensibilis



Wild Onion
Alium canadense

EXISTING VEGETATION



Honeysuckle
Lonicera periclymenum



Norway Maple
Acer platanoides



Poison Ivy
Toxicodendron radicans



Garlic Mustard
Alliaria petiolata

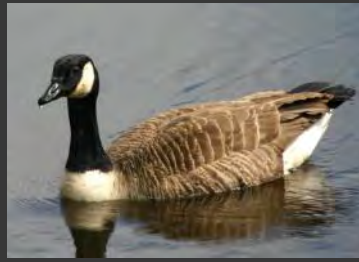


Tree of Heaven
Ailanthus altissima

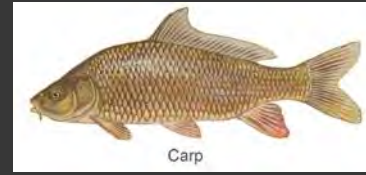
EXISTING INVASIVE VEGETATION



Black Bear
Ursus americanus



Canada Goose
Branta canadensis



Carp
Cyprinus carpio



Catfish
Pylodictis olivaris



Bass
Micropterus dolomieu



Mallards
Anas platyrhynchos



Opossum
Didelphis marsupialis



Wood Duck
Aix sponsa



Songbird
Oscines spp.



EXISTING WILDLIFE



EXISTING WILDLIFE

Black Bear *Ursus americanus*

PHOTO INVENTORY OF
INDIAN PARK, MILL STREET
AND RIVER ACCESS AREA



INDIAN PARK - THE PONDS



SOCCER, SOFTBALL, BASKETBALL, TENNIS, BOCCE,
VOLLEYBALL AND HORSESHORES



AMPHITHEATER AND LAWN AREA



PAVILIONS



PLAYGROUNDS



Restroom Facilities





WOODED AND UNIQUE AREAS



MILL STREET – BASEBALL AND SOCCER FIELDS



MILL STREET – LOYALSOCK CREEK ACCESS,
FISHING & SWIMMING



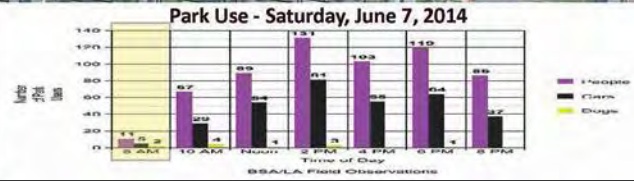
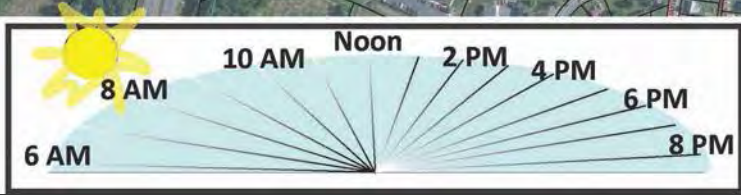
WEST BRANCH SUSQUEHANNA
RIVER ACCESS AREA

INDIAN PARK USE ANALYSIS –
NUMBERS AND DISTRIBUTION
OF PARK USERS

JUNE 7, 2014

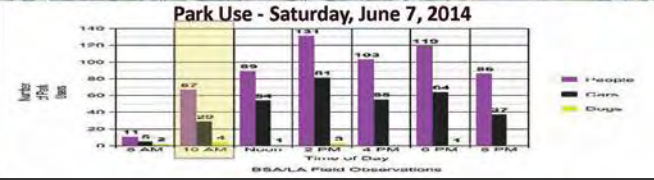
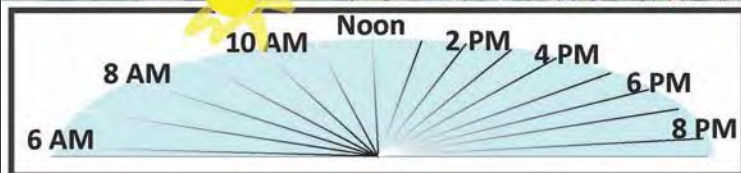
Montoursville - Indian Park Park User Analysis

- Park User Analysis - Legend**
- Men
 - Women
 - Boys
 - Girls
 - 🐾 Dogs
 - 🚗 Cars
 - 🚛 Trucks



Montoursville - Indian Park Park User Analysis

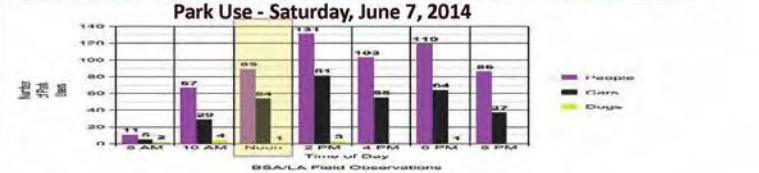
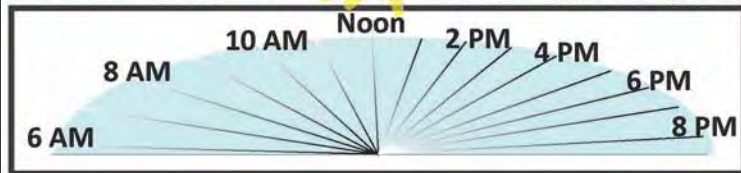
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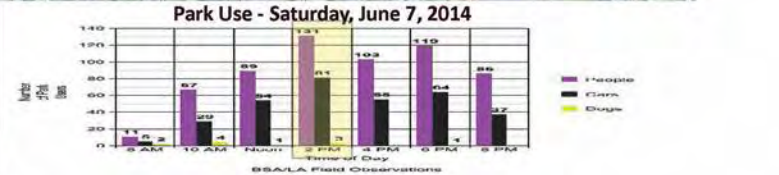
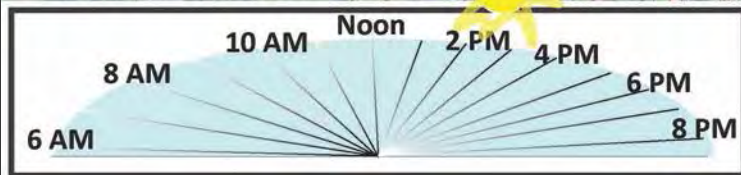
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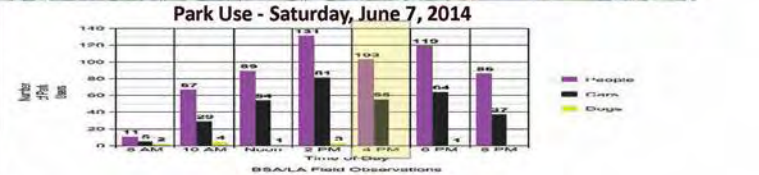
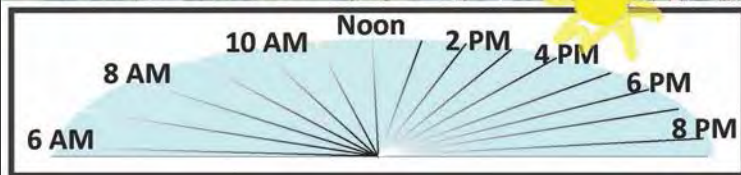
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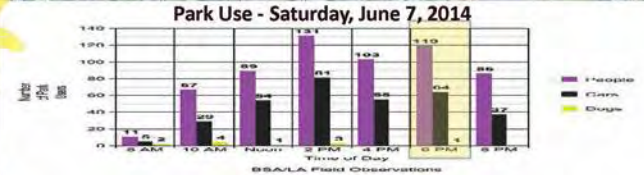
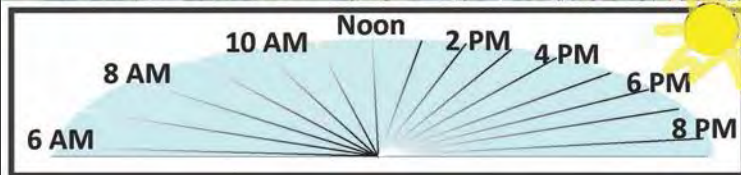
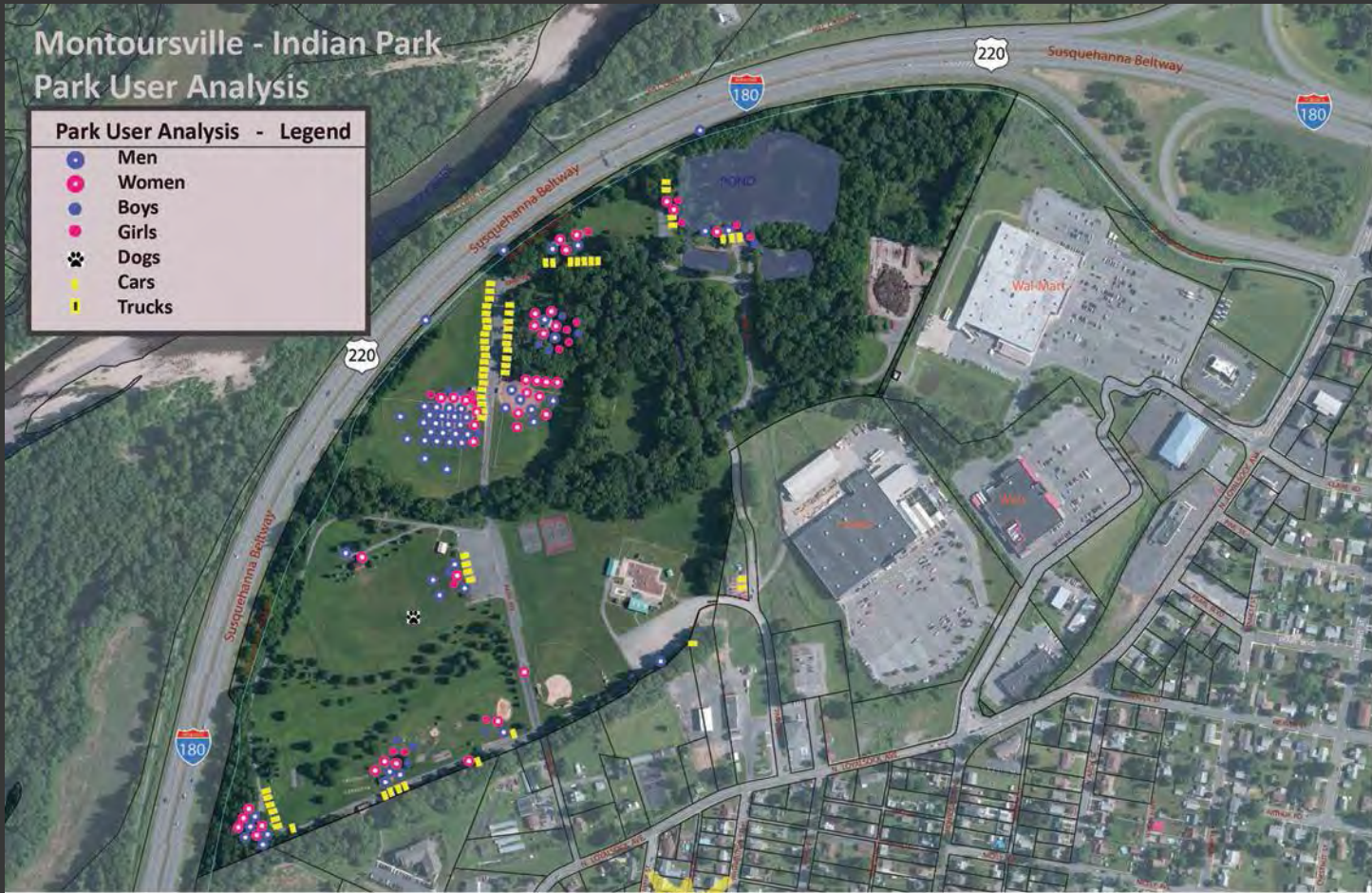
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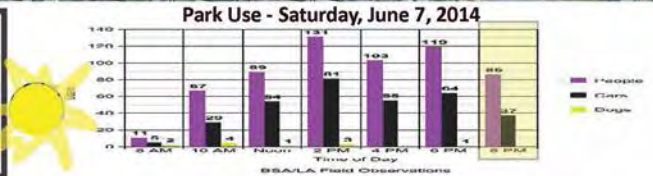
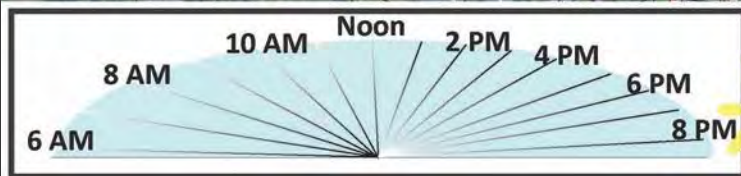
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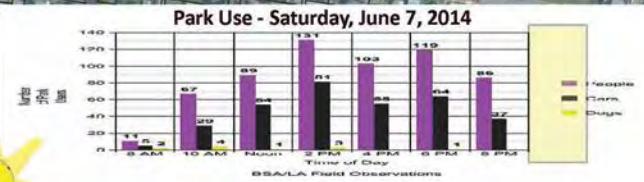
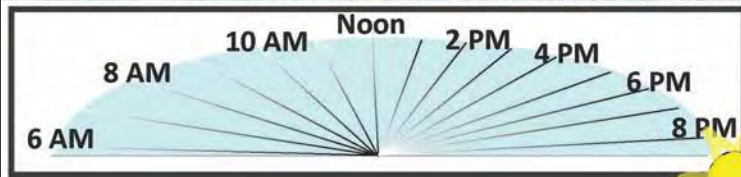
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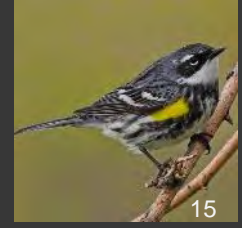
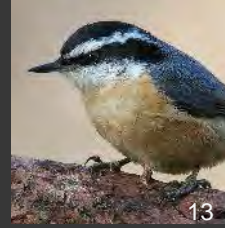
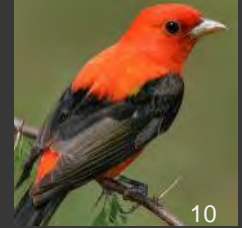
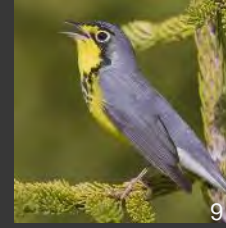
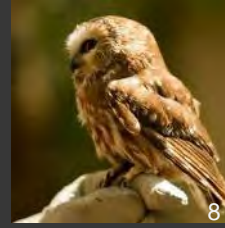
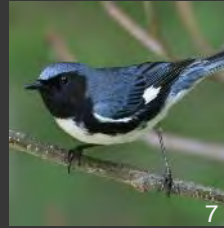
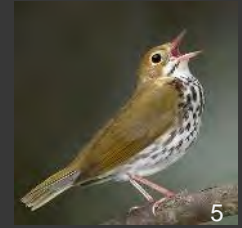
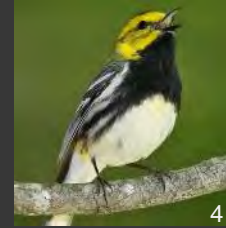
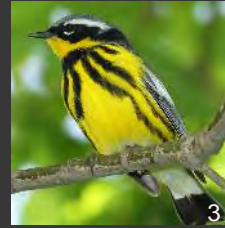
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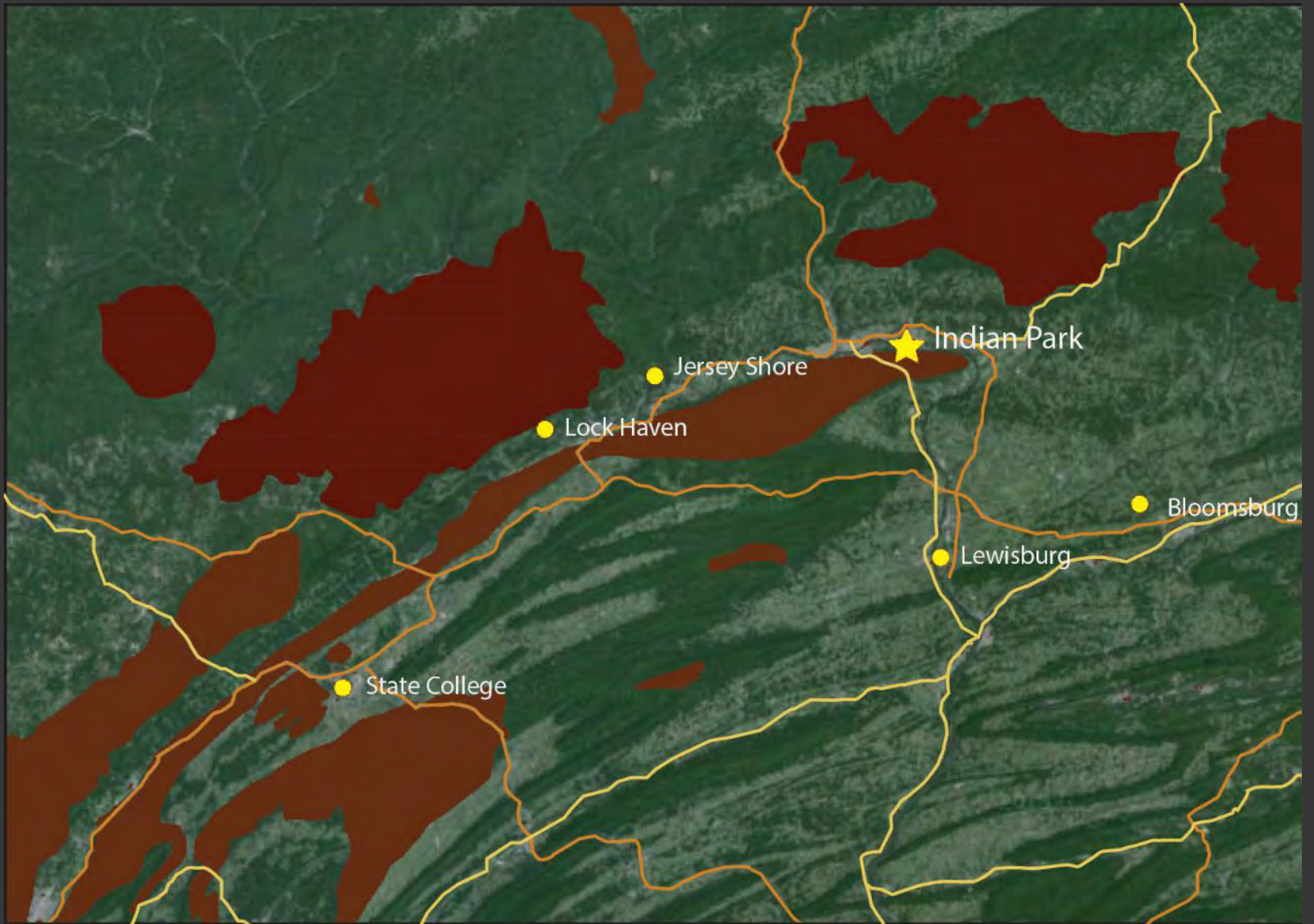
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Acadian Flycatcher ₁
 Barred Owl
 Black-throated Blue Warbler ₇
 Black-throated Green Warbler ₄
 Blackburnian Warbler ₁₂
 Brown Creeper
 Canada Warbler ₉
 Common Merganser ₁₄
 Common Raven
 Least Flycatcher
 Magnolia Warbler ₃
 Nashville Warbler ₆
 Northern Goshawk ₂
 Northern Saw-whet Owl ₈
 Northern Waterthrush
 Red-breasted Nuthatch ₁₃
 Ruffed Grouse
 Scarlet Tanager ₁₀
 Swainson's Thrush
 White-throated Sparrow
 Winter Wren
 Yellow-bellied Flycatcher
 Yellow-rumped Warbler ₁₅
 American Woodcock
 Broad-winged Hawk
 Cerulean Warbler ₁₁
 Ovenbird ₅
 Wild Turkey
 Wood Thrush
 Worm-eating Warbler



IMPORTANT BIRD SPECIES



IMPORTANT BIRD AREAS

COMMUNITY ENGAGEMENT

Focus Group Meetings

- Volunteers of Indian Park (VIPs)
- Senior Citizens
- Volunteer and Service Organizations
- Health and Environment
- Sports Leagues

Key Person Interviews

- Thomas J. Hart, Executive Director
Williamsport Regional Airport
- Lou Bassler, Park Volunteer
- Don King, Historic Society

COMMUNITY ENGAGEMENT - CONTINUED

Park User Survey

- On-Line and Hard Copy Surveys
- 420 Responses

Public Meetings

- Beginning of the Process
- Review of Draft Plan

What We Heard... Indian Park

Park Upkeep / Maintain Existing Facilities

Improve Ponds – an Attraction for Young and Old

Create Walking, Running and Biking Trails (off-road)

Upgrade Playground Equipment

Improve Pedestrian and Bicycle Access to Park(s)

Better Defined Parking

Environmental Enhancements - Plant Trees, Improve Pond Water Quality, Improve Wildlife Habitat

Splash Park – Viable Option to a Pool?

Better Utilize Entire Park...

What We Heard...

Mill Street and River Access

Trail and Creek Access

- Create off-road Trail the Length of Mill Street
- Provide Parking and Improve Access to Creek

Location for Future Sports Fields

- Coordination Between Soccer, Baseball
- Need a Plan to Guide Long-Term Development
- Central Location for Playground Facility
- Parking – Define Space and Improve Safety

What We Heard...

Mill Street and River Access

Trail and Creek Access

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- Coordination Between Soccer, Baseball
- Need a Plan to Guide Long-Term Development
- Central Location for Playground Facility
- Parking – Define Space and Improve Safety

PARK USER SURVEY - SUMMARY

Park-User Survey - Summary

420 Survey Responses

Montoursville Residents	229 Responses	55 %
From Surrounding Municipalities	181 Responses	43%
From Beyond the Region	10 Responses	2%

Top Surrounding Municipalities:

Fairfield Township	60 Responses	(14.3%)
City of Williamsport	23 Responses	(5.5%)
Upper Fairfield Township	17 Responses	(4.0%)
Loyalsock Township	15 Responses	(3.6%)
South Williamsport	13 Responses	(3.1%)
Eldred	10 Responses	(2.4%)
Muncy	8 Responses	(1.9%)

Park-User Survey - Summary

High Repeat Users

1. Bikeway
2. Open Play Areas
3. Soccer Fields
4. Playgrounds
5. Baseball (Rotondi Field)

Highest Uses

1. Bike Path
2. Playground
3. Open Play Area
4. Walking Trails
5. Attend Event
6. Fishing Pond
7. Pavilion #5

Park-User Survey - Summary

What Brings You to the Park?

1. Playground
2. Walking
3. Open Play Areas
4. Picnic Facilities
5. Fitness / Jogging Trails
6. Nature Trails

Park-User Survey - Summary

Suggestions for Park Improvements

Bring Back the Pool - got the largest number of written responses.

However - Splash Park also received numerous responses.

Improve / Update Playground Equipment received the second most responses.

Other Suggestions Receiving Significant Numbers of Votes:

- Dog Park
- Pond Area Improvements
- Bathrooms Improvements
- More Trees

Suggestions for Park Programming and Maintenance:

- More Movies
- Better Cleaning and Overall Park Maintenance

Park-User Survey - Summary

Park Features – Adequate, Increase or Improve

Adequate – Most Responses said there were adequate ball fields, soccer fields, tennis and basketball courts, bocce, horseshoes.

Needs More of:

1. Splash Park
2. Mini-Golf
3. Dog Park
4. Community Gardens
5. Natural Areas / Wildlife Habitat

Needs Improved:

1. Public Restrooms
2. Playgrounds
3. Volleyball Courts

Park-User Survey - Summary

Interesting Activities and Programs

1. Walking / Fitness
2. Concerts / Cultural Arts
3. Arts and Crafts
4. Fishing
5. Photography
6. Wildlife Education

Support Developing Trails

1. Walking / Hiking Trails
2. Nature Trails
3. ADA Accessible Trails
4. Off-Road Family Biking
5. Water Trails

Park-User Survey - Summary

Walking and Biking to the Park

Most Residents feel it is safe to walk or bike to Indian Park.

Fewer felt it was safe to walk or bike to Mill Street.

Park-User Survey - Summary

Paying for Parks and Recreation

Expansion of recreation facilities and programs should be supported by a mix of sources with more than 50% of all respondents listing the following order of preference:

1. grants & local funds
2. volunteer time/donated materials
3. private/corporate donations
4. registration fees (organized sports)

PARK MASTER PLAN

MASTER PLAN - FINAL

INDIAN PARK - MASTER PLAN

- PRIORITY 1** **PARK ORGANIZATION AND SUSTAINABILITY**
Develop a long-term vision for park development, operations, and maintenance.
Assess facility needs.
All park facilities should meet or exceed current standards.
Measures should be taken to ensure the park is sustainable.
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.
- PRIORITY 2** **INDIAN PARK POND RESTORATION AND NATURE TRAIL**
ADA compliant access to ADA accessible trail.
Measures should be taken to ensure the park is sustainable.
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.
- PRIORITY 3** **PLAYGROUND IMPROVEMENTS**
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.
- PRIORITY 4** **PARKING AND RESTROOMS**
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.
- PRIORITY 5** **SPLASH PARK AND EVENT PLAZA**
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.

INTERPRETIVE PROGRAM
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.



WALKING, RUNNING AND BIKING TRAILS
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.

HABITAT ENHANCEMENT AND NATURAL AREAS
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.

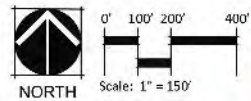
IMPROVED PEDESTRIAN / BICYCLE ACCESS TO PARK
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.

MILL STREET RECREATION AREA / RIVER ACCESS
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.

OTHER RECREATIONAL OPPORTUNITIES
Develop a plan for park maintenance.
Develop a plan for park operations.
Develop a plan for park sustainability.

Scale: 1" = 100'
when printed at 24" x 36"

Montoursville - Indian Park - Master Plan



Montoursville Indian Park - Park Master Plan
Opportunities for Park and Recreation Enhancements
Montoursville Borough, Lycoming County, Pennsylvania



Indian Park - Master Plan
 GIS Mapping: Ryan Moberg
 Lycoming County GIS
 Prepared by: J. Auman
 Checked by: J. Auman
 Date: August 5, 2016
 Revision: October 10, 2016
 November 3, 2016

BSA / LA
 Brian S. Auman
 Landscape Architecture

PRIORITY PROJECTS

PRIORITY 1

PRIORITY PROJECT



PARK SUSTAINABILITY

Develop the organizational framework for park planning, development, operations and maintenance

Resolve liability issues with park volunteers

Allocate sufficient borough staff to park development and maintenance

Maintain existing park facilities and programming

Expand the park volunteer network

Develop new avenues to fund parks and recreation – including corporate sponsorship

Establish regional municipal partnerships to fund parks and recreation



PRIORITY PROJECT



POND RESTORATION AND NATURE TRAIL

ADA parking spaces and ADA accessible Nature Trail

Fishing Pier

Boardwalk and Bridge

Native Plant Habitat Plantings / Educational Signage

Benches and Shaded Seating Areas

Outdoor Classroom and Water Quality Improvement Projects

Partner with schools, garden club, conservation organizations and county conservation district

PRIORITY 3

PRIORITY PROJECT



PLAYGROUND IMPROVEMENTS

Gradual replacement of outdated playground equipment

Provide age-appropriate playgrounds – tot, children, pre-teen, teen play areas

Create quality play environments – easy access, shade and seating for parents

Partner with YMCA, Daycares and Lycoming County



PRIORITY PROJECT



RESTROOMS AND PARKING

Provide new restroom facility at northern end of park

Make Improvements to existing restroom facilities

Re-configure parking to make more efficient and provide proper drainage

Integrate parking into existing site – to reduce tree removal

Partner with existing sports leagues to design, fund and implement enhanced parking, restrooms and other park amenities



PRIORITY PROJECT



SPLASH PARK AND EVENT PLAZA

Splash park / play area at former pool site

Plaza space suitable for events and programmed activities

Event facilities – kitchen, storage, inside meeting space

Landscaping, trellis shade structures, seating, lighting, electric, AV / PA System

Program the plaza with community events and active-living programs

Partner with YMCA, Susquehanna Health and local doctors, day cares, fitness and yoga instructors, and health insurance providers

ADDITIONAL
PROJECT OPPORTUNITIES

PROJECT OPPORTUNITY



MEMORY TRAIL

Establish a segment of trail as the Memory Trail

Replace Memorial Trees that have been lost

Designate Opportunities for new Memorial Trees and Benches

Create Other Memory Naming Opportunities – Pavilions, Shelters, Playgrounds, etc.

MEMORY WALK



Tree Plantings, Benches, Shelters...

A Memory Walk can be created by designating a segment of trail for this purpose. The park plan seeks to create a more distinct separation between the amphitheater lawn area and the playground lawn area and is an appropriate location for targeted tree plantings to replant existing memorial trees – and as a location for future memorial plantings.

PROJECT OPPORTUNITY



WALKING, RUNNING AND BIKING TRAILS

Expand offerings to existing park walkers, bikers and runners

Develop a network of off-road trails

Improve safety by separating vehicles and bikes / pedestrians

Better park utilization – trails access ponds and woods

Trail network to include both accessible routes and primitive trails

Bike / mountain bike skills park

Fitness stations or alternative (informal) fitness stations

Partner with schools, seniors, health care providers, fitness instructors and bike clubs / shops

NATURAL SURFACE TRAILS



Natural Surface Trails - with some basic guidance and direction these trails can be built with volunteer labor

PROJECT OPPORTUNITY



HABITAT ENHANCEMENTS AND NATURAL AREAS

Planting native trees, shrubs, grass / wildflower meadows

Wetland and Stream Restoration

Enhance habitats and biodiversity

Improve park aesthetics

Reduce maintenance costs associated with mowing of lawns

Educational programs on natural landscaping for homeowners

Partner with garden club, master gardeners, conservation organizations and schools



UNIQUE FEATURES AND HABITATS

PROJECT OPPORTUNITY

INTERPRETIVE PROGRAM

Interpret the landscape's natural and cultural heritage

Engage youth in research and develop the program

Tell the 'story' with signage and on-line resources

Partner with schools, historical societies, museums, and the Susquehanna Greenway Partnership

The Susquehanna Greenway

What is the Susquehanna Greenway?
The Susquehanna Greenway is a corridor of the Susquehanna parks, trails and river routes that connects people to the natural and cultural heritage of the Susquehanna River. Today it's a long, long, long, it's here and it's here to stay, and it's here to stay for good.

Why is the Susquehanna Watershed Important?
The Susquehanna watershed is the largest in the world and provides a gateway to the 100th and 150th birthdays. Our calling card is and will be a rich, green, green landscape of parks, trails and river routes that will be a gateway to the future.

Thanks to the Susquehanna Partnership
The Susquehanna Partnership is a coalition of the Susquehanna River watershed and the Susquehanna River watershed. The Susquehanna Partnership is a coalition of the Susquehanna River watershed and the Susquehanna River watershed. The Susquehanna Partnership is a coalition of the Susquehanna River watershed and the Susquehanna River watershed.

To Learn More, Explore on Our Website
www.susquehannagreenway.org

LET THE RIVER BE YOUR GUIDE

www.susquehannagreenway.org

Interpretive Program



Discover Duncannon
A Susquehanna Greenway River Town

Discover Duncannon is an historic, authentic river town, nestled in the upper Susquehanna and adjacent rolling hills. It offers you access to Greenway interpretive sites, Duncannon Park, an excellent observation of the historic Chesapeake Bay waterway, and a variety of historic and scenic views. The town is a beautiful and historic site, and the town is a beautiful and historic site. The town is a beautiful and historic site, and the town is a beautiful and historic site.

Live, Learn, Explore

<p>Head North</p> <p>Discover the history of the town and the river. The town is a beautiful and historic site, and the town is a beautiful and historic site.</p>	<p>Greenway Square</p> <p>Discover the history of the town and the river. The town is a beautiful and historic site, and the town is a beautiful and historic site.</p>	<p>Old Mill Works</p> <p>Discover the history of the town and the river. The town is a beautiful and historic site, and the town is a beautiful and historic site.</p>
<p>Chick's Ferry Tavern</p> <p>Discover the history of the town and the river. The town is a beautiful and historic site, and the town is a beautiful and historic site.</p>	<p>The Old Long Church</p> <p>Discover the history of the town and the river. The town is a beautiful and historic site, and the town is a beautiful and historic site.</p>	<p>Pennsylvania Station</p> <p>Discover the history of the town and the river. The town is a beautiful and historic site, and the town is a beautiful and historic site.</p>

Additional Places of Interest

Discover the history of the town and the river. The town is a beautiful and historic site, and the town is a beautiful and historic site.

www.susquehannagreenway.org

The North Branch Canal

Discover the history of the canal and the river. The canal is a beautiful and historic site, and the canal is a beautiful and historic site.

PERYSYLVANIA CANAL SOCIETY

www.susquehannagreenway.org

GET LOST

Montoursville Borough Office
617 N Loyalsock Ave, Montoursville
<http://nearyous.com>

PROJECT OPPORTUNITY



IMPROVED PEDESTRIAN / BIKE ACCESS

Identify primary routes for Montoursville residents to access parks

Identify key safety 'hot spots' and alternative improvements

Create safe connections – crosswalks, sidewalks, trails, and 'share the road'

Partner with PennDOT, Lycoming County Transportation Department, and Municipal streets crew

PROJECT OPPORTUNITY

MILL STREET RECREATION AREA / RIVER ACCESS

Coordinate long-term sport field development between all sports

Develop a central playground area as amenity to soccer, baseball and future fields

Parking – better define sufficient and safe parking locations

Loyalsock Creek – Improve access to the creek

Trail – create an off-road walking and biking trail the length of Mill Street

PROJECT OPPORTUNITY

OTHER RECREATIONAL OPPORTUNITIES

I-180 Underpass / Loyalsock Creek – small neighborhood park, skate park, bicycle skills park

Sand and Gravel Quarry – Future Regional Recreational Lake and Riverfront?

PROJECT OPPORTUNITY

I-180 Underpass / Loyalsock Creek Area



PROJECT OPPORTUNITY

I-180 Underpass / Loyalsock Creek Area



Examples of a skate park (above) in Portland, Oregon and bike skill park under I-5 in Seattle, Washington (right)

PROJECT OPPORTUNITY

Bicycle Skills Park



Example of Bike Skill Park Features



PROJECT OPPORTUNITY

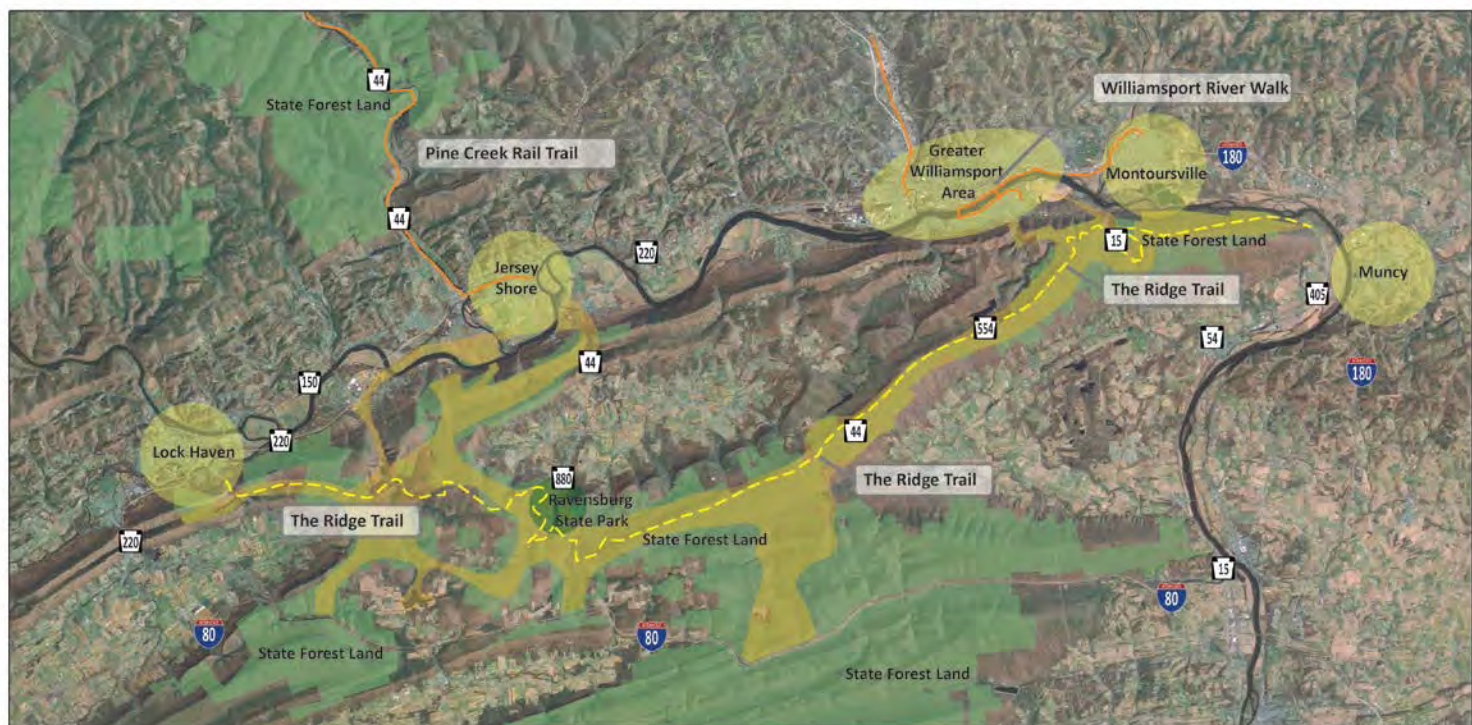
Future Land Acquisition



Sand and Gravel Quarry / Ponds – Property that offers great recreational opportunities. The community may consider acquiring in the future.

PROJECT OPPORTUNITY

Ridge Trail and Source Water Protection for Montoursville Borough Water Works



Concept Plan - April 24, 2014



The Ridge Trail - Concept Plan Clinton and Lycoming Counties, Pennsylvania

Ridge Trail - Legend

- River Towns / Community Hubs
- Ravensburg State Park / Recreation Hub
- State Forest Land
- Ridge Trail - Potential Corridor
- Ridge Trail - Potential Trail Alignment
- Scenic View Opportunity



BSA / LA
Bilan S. Auman / Landscape Architecture

182 Hartwood Drive
Coudersport, PA 17027
brian@bsa-la.com
570.461.8922

Project Partners



PA DCNR, Fish & Boat, NFWF, DEP

Lycoming College / School District

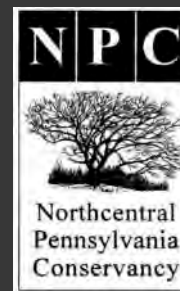


Williamsport – Lycoming Foundation /
First Community Foundation

Susquehanna Greenway Partnership



Northcentral PA Conservancy



IMPLEMENTATION SCHEDULE

PARK SUSTAINABILITY

On-going coordination and collaboration between Borough Council, Recreation Committee and Park Volunteers

ON GOING

POND RESTORATION AND NATURE TRAIL

Secure Lycoming County Act 13 and First Community Foundation of PA Funding to match PA DCNR Grant Funding to develop ADA Parking, Trail, Fishing Pier, Boardwalk, Bridge and Fishing Platform.

2015 – 2016

PLAYGROUND ENHANCEMENTS

Incrementally replace outdated playground equipment and bring all existing playgrounds up to current ADA and safety compliance

2016 – 2018

RESTROOM AND PARKING IMPROVEMENTS

Construct New Restroom near the Pond Area and incrementally update the other restroom facilities

2018 – 2020

SPLASH PARK AND EVENT PLAZA

Establish a strong working relationship with the First Community Foundation of PA, PA DCNR and local donors to undertake the design and construction of the Splash Park and Event Plaza

2021 – 2024

PRIORITY PROJECT IMPLEMENTATION:

POND RESTORATION AND
NATURE TRAIL

POND RESTORATION AND NATURE TRAIL – EXISTING CONDITIONS



POND RESTORATION AND NATURE TRAIL – MASTER PLAN



Indian Park - Pond Area Master Plan
 Pond Restoration and ADA Accessible Nature Trail
 Montoursville Borough, Lycoming County, Pennsylvania

Pond Area - Master Plan
 GIS Mapping Information:
 Lycoming County GIS

Prepared By: S. Mayer
 Checked By: S. Auman
 Date: August 1, 2014
 Revisions:
 December 14, 2014

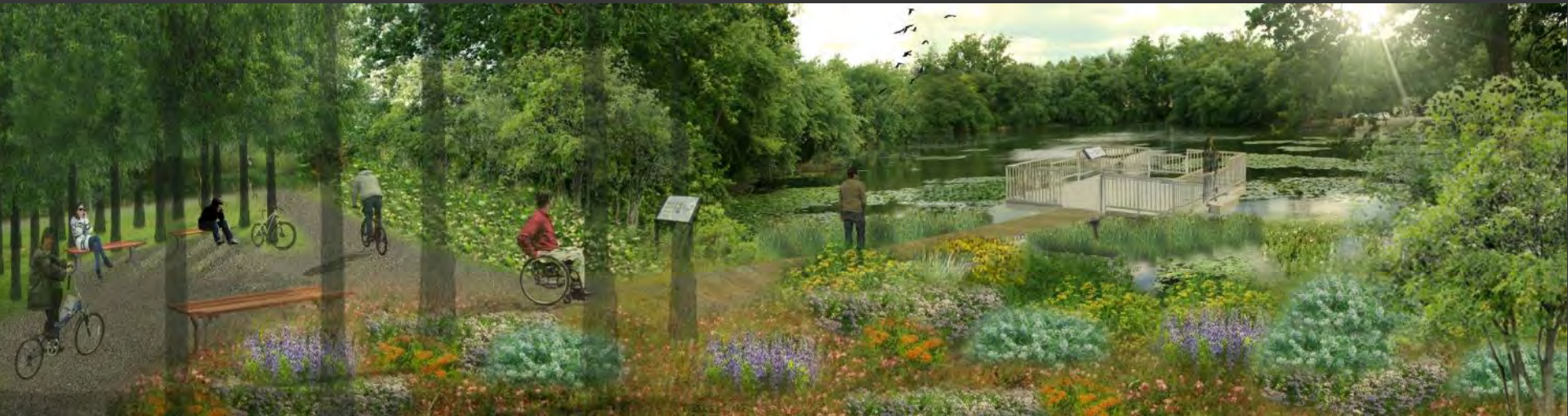
Montoursville - Indian Park - Pond Area Master Plan

Scale: 1" = 50'
 when printed at 24" x 36"



BSA / LA
 Brian S. Auman
 Landscape Architecture

POND RESTORATION AND NATURE TRAIL – ILLUSTRATION



Shaded rest area for trail users under a bosque of oak trees with benches and interpretive signage. ADA accessible trail and fishing pier with native grasses, wildflowers and shrub plantings for upland, riparian, wetland and submerged aquatic habitat types.

POND RESTORATION AND NATURE TRAIL – NATIVE PLANT LIST



UPLAND ZONE

Bluestar	<i>Amsonia tabernaemontana</i>
Shadbush Serviceberry	<i>Amelanchier laevis</i>
Bluebird Smooth Aster	<i>Aster laevis</i> 'Bluebird'
Butterfly Weed	<i>Asclepia tuberosa</i>
Blue False Indigo	<i>Baptista australis</i>
Sweet Pepperbush	<i>Clethra alnifolia</i>
White Oak	<i>Quercus alba</i>
Swamp White Oak	<i>Quercus bicolor</i>
Fragrant Sumac	<i>Rhus aromatica</i>
Meadow Beauty	<i>Rhexia virginica</i>

RIPARIAN ZONE (POND EDGE)

Swamp Milkweed	<i>Asclepia incarnata</i>
Marsh Marigold	<i>Caltha palustris</i>
Tussock Sedge	<i>Carex stricta</i>
Silky Dogwood	<i>Comus amomum</i>
Spotted Joe Pye Weed	<i>Eupatorium maculatum</i>
Common Sneezeweed	<i>Helenium autumnale</i>
Square Stem Monkey Flower	<i>Mimulus rigens</i>
Green-Headed Coneflower	<i>Rudbeckia laciniata</i>
Black Willow	<i>Salix nigra</i>
Grass-Leaved Goldenrod	<i>Solidago graminifolia</i>

WET ZONE (0-6" DEPTH)

Northern Water Plantain	<i>Alisma triviale</i>
Scarlet Rose Mallow	<i>Hibiscus coccineus</i>
Swamp Mallow	<i>Hibiscus moscheutos</i>
Blue Flag	<i>Iris versicolor</i>
Common Rush	<i>Juncus effusus</i>
Smartweed	<i>Polygonum pennsylvanicum</i>
Pickereel Weed	<i>Pontederia cordata</i>
Green Bulrush	<i>Scirpus atrovirens</i>
American Bur-Reed	<i>Sparganium americanum</i>
Common Bulrush	<i>Typha latifolia</i>

SUBMERGED ZONE (6-18" DEPTH)

Coontail	<i>Ceratophyllum demersum</i>
Water Stargrass	<i>Heteranthera dubia</i>
Northern Watermilfoil	<i>Myriophyllum sibiricum</i>
Variable-Leaf Pondweed	<i>Potamogeton diversifolius</i>
Leafy Pondweed	<i>Potamogeton foliosus</i>
Floating Leaf Pondweed	<i>Potamogeton natans</i>
Sago Pondweed	<i>Potamogeton pectinatus</i>
Common Bladderwort	<i>Utricularia vulgaris</i>
Wild Celery	<i>Vallisneria americana</i>

TERRACED POND-FRONT PLANT ZONE SECTION

POND RESTORATION AND NATURE TRAIL – ILLUSTRATION



Nature Trail – Boardwalk Section

POND RESTORATION AND NATURE TRAIL – ILLUSTRATION



Nature Trail – Boardwalk Section at sunset

POND RESTORATION AND NATURE TRAIL – COST ESTIMATE

SOFT COSTS **\$28,000**

Engineering, Landscape Architecture, Design, Permitting, Approvals,
Environmental Review and Approvals

FISHING PIER **\$20,000**

Fishing Pier – 50' Length with 20'x20' Fishing Platform

ADA PARKING AND NATURE TRAIL **\$40,000**

ADA Parking Spaces (2) and ADA Accessible Trail Surface to encircle
Indian Park Recreation Pond – 6' x 2600LF

BOARDWALK DECKING OR FILL ALTERNATIVE **\$20,000**

Boardwalk Decking area or Fill to Create Level Trail – 6' x 110LF

RIVER BIRCH SEATING AREA AND BENCHES **\$6,000**

12 Benches

FISHING PLATFORM **\$5,000**

8' x 12' Fishing Platform

PEDESTRIAN BRIDGE **\$18,000**

50' x 6' Pedestrian Bridge

HABITAT PLANTINGS AND OAK BOSQUE **\$15,000**

Native Grasses, Wildflowers and Shrubs for upland, riparian, wet and
submerged aquatic habitat types

INTERPRETIVE SIGNS (3) **\$ 8,000**

TOTAL COST **\$160,000**

POND RESTORATION AND NATURE TRAIL – FUNDING STRATEGY

LOCAL MATCH

LYCOMING COUNTY – ACT 13 FUNDING	\$20,000
FIRST COMMUNITY FOUNDATION OF PA	\$25,000
MONTOURSVILLE BOROUGH CASH	\$10,000
MONTOURSVILLE BOROUGH LABOR & EQUIPMENT	\$10,000
CORPORATE DONATIONS OF CASH & MATERIALS	\$10,000
VOLUNTEER LABOR	\$ 5,000

STATE FUNDING

PA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES (DCNR)	\$80,000
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TOTAL COST	\$160,000
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ADDITIONAL COST ESTIMATES

RECREATION FACILITIES – COST ESTIMATES

LARGE PLAYGROUND

\$ 285,000

Site Design, Permitting, Approvals	\$ 21,000
Site Preparation	\$ 15,000
Playground Equipment	\$ 130,000
Wood Fiber Surface	N/A
Rubber Surface – Pour in Place	\$ 90,000
Landscaping & Fencing	\$ 12,000
Installation Supervision and Labor	\$ 15,000

SPLASH PARK

\$ 500,000

Site Design, Permitting and Approvals	
Concrete Work	
Flow-Thru System	
Seating Areas	
Landscaping & Shade Structures	

BIKE SKILLS PARK

\$ 50,000

Steel Frame Structures (6)	
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RESTROOM

\$

PARKING IMPROVEMENTS

\$

ICE SKATING – COURT AND LINER

\$

TRAIL COSTS

\$

PLAYGROUND IMPROVEMENTS – FUNDING STRATEGY

LOCAL MATCH

LYCOMING COUNTY – ACT 13 FUNDING	\$XXX
FIRST COMMUNITY FOUNDATION OF PA	\$XXX
MONTOURSVILLE BOROUGH CASH	\$XXX
MONTOURSVILLE BOROUGH LABOR & EQUIPMENT	\$XXX
CORPORATE DONATIONS OF CASH & MATERIALS	\$XXX
VOLUNTEER LABOR	\$XXX

STATE FUNDING

PA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES (DCNR)	\$XXX
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TOTAL COST	\$XXXXXX
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PARK OPERATIONS, MAINTENANCE AND LIABILITY

Park Safety and Security

During the park planning process several residents and park users expressed concerns of safety in the park particularly in the evening and after hours. Additional police patrols at this time and to strictly enforce the closed after dark park rule would improve the situation. The police department's location in such close proximity to the park should make this additional park patrol achievable.

Risk Management and Liability

Pennsylvania has a law that limits the legal liability of landowners who make their land available to the public for free recreation. The purpose of the law is to supplement the availability of publicly owned parks and forests by encouraging landowners to allow hikers, fishermen and other recreational users onto their properties. The Recreational Use of Land and Water Act (“RULWA”), found in Purdon’s Pennsylvania Statutes, title 68, sections 477-1 et seq., creates that incentive by limiting the traditional duty of care that landowners owe to entrants upon their land. So long as no entrance or use fee is charged, the Act provides that landowners owe no duty of care to keep their land safe for recreational users and have no duty to warn of dangerous conditions. Excepted out of this liability limitation are instances where landowners willfully or maliciously fail to guard or warn of dangerous conditions. That is, the law immunizes landowners only from claims of negligence. Every other state in the nation has similar legislation.

Indian Park and Mill Street Recreation Areas will remain ‘use at your own risk’ facility that is free and open to the public, with information kiosks posting park rules and regulations. A park maintenance plan should be formalized to establish a schedule for park inspections and maintenance and minimize risk exposure to park visitors. The free access, trail rules and regulations, park maintenance plan with scheduled park inspections and maintenance are all intended to meet all requirements of “RULWA” and thus minimize landowner liability exposure.

Park Maintenance Plan

A Park Maintenance Plan should be formalized to minimize risk exposure to park visitors and guarantee full landowner protections provided by the Recreational Use and Land and Water Act (“RULWA”) legislation. The Park Maintenance Plan will include a list and schedule of all regular and periodic park maintenance needs. Maintenance can be completed more efficiently and safely during off-peak hours when fewer park visitors are in the proximity of maintenance equipment. The Park maintenance plan will rely on a combination of Borough Staff and Volunteers of Indian Park and a network of park stewards and volunteers to identify areas of safety concerns and required maintenance in a timely manner, and implement a swift response to address the problem to minimize risk to trail users.

Adopting the Plan

The Montoursville Borough Parks Master Plan shall be adopted by the Borough Council and Recreation Committee and shall serve as a guide for park and recreation planning and programming for the next decade.

The Montoursville Borough Parks Master Plan has been reviewed, approved and adopted by the following community leaders:

Borough Council President

Date

Recreation Committee Chair

Date

Montoursville Mayor

Date

References and Links – General Recreation

Workout Stations – Blue Zone Rack

http://m.communitynewspapergroup.com/cedar_falls_times/news/article_07c3adea-fe70-545d-8856-52b2815c92ce.html?mode=jqm

The Overprotected Kid - The Atlantic

<http://www.theatlantic.com/features/archive/2014/03/hey-parents-leave-those-kids-alone/358631/>

The Land – Video Documentary - of Risk-Taking Park for Kids in the UK

Video link can be found in the same article:

<http://www.theatlantic.com/features/archive/2014/03/hey-parents-leave-those-kids-alone/358631/>

Montoursville Borough Parks Master Plan Report Appendix Documents (CD)

- Indian Park – Master Plan (pdf)
- Mill Street and River Access – Master Plan (pdf)
- Master Plan Summary Report (pdf)

MONTOURSVILLE BOROUGH PARKS

MASTER PLAN SUMMARY REPORT

December 2014

Prepared for: Montourville Borough

Prepared by: Brian S. Auman / Landscape Architecture
and Alice Trowbridge, RLA
www.bsalandplan.com



