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# THE BRIDGE PRESERVE

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## MASTER SITE PLAN

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# ACKNOWLEDGEMENTS

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## BRIDGE PRESERVE STUDY COMMITTEE MEMBERS

### *Dingman Township Representatives*

*George Kleist      Sharon Schroeder*  
*Anthony Contino      Tony Sciano*  
*Julie Forbes*

### *Milford Township Representatives*

*Phyllis Simpson*  
*Ken Rosanelli*

## PIKE COUNTY COMMISSIONERS

Richard A. Caridi      Harry Forbes      Karl A. Wagner Jr.

## PIKE COUNTY PLANNING COMMISSION

Sally Corrigan      Scot Boyce

## PIKE COUNTY CONSERVATION DISTRICT

Susan Beecher

## KEY PERSON INTERVIEWS AND ADDITIONAL STAKEHOLDERS

Jeff Rosalsky	Howard and Cynthia Huttner	Barbara and John Tichenor	Bill and Kathy Day
Tony Sciano	Cathy Rosanelli	Tom and Judy Neugebauer	Milford Water Authority

*This project was financed in part by a grant from the Community Conservation Partnerships Program, Keystone Recreation, Park and Conservation, under the administration of the Pennsylvania Department of Conservation and Natural Resources, Bureau of Recreation and Conservation*

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# **PUBLIC HEARING #2**

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## **MEETING AGENDA**

**MASTER SITE PLAN PROCESS**

**SITE INTRODUCTION, REGIONAL AND LOCAL CONTEXT**

**SITE INVENTORY AND ANALYSIS**

**EXISTING CONDITIONS**

**CONCEPTS AND PROPOSED AMENITIES**

**COST ESTIMATE**

**NEXT STEPS AND QUESTIONS**



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# MASTER SITE PLAN PROCESS

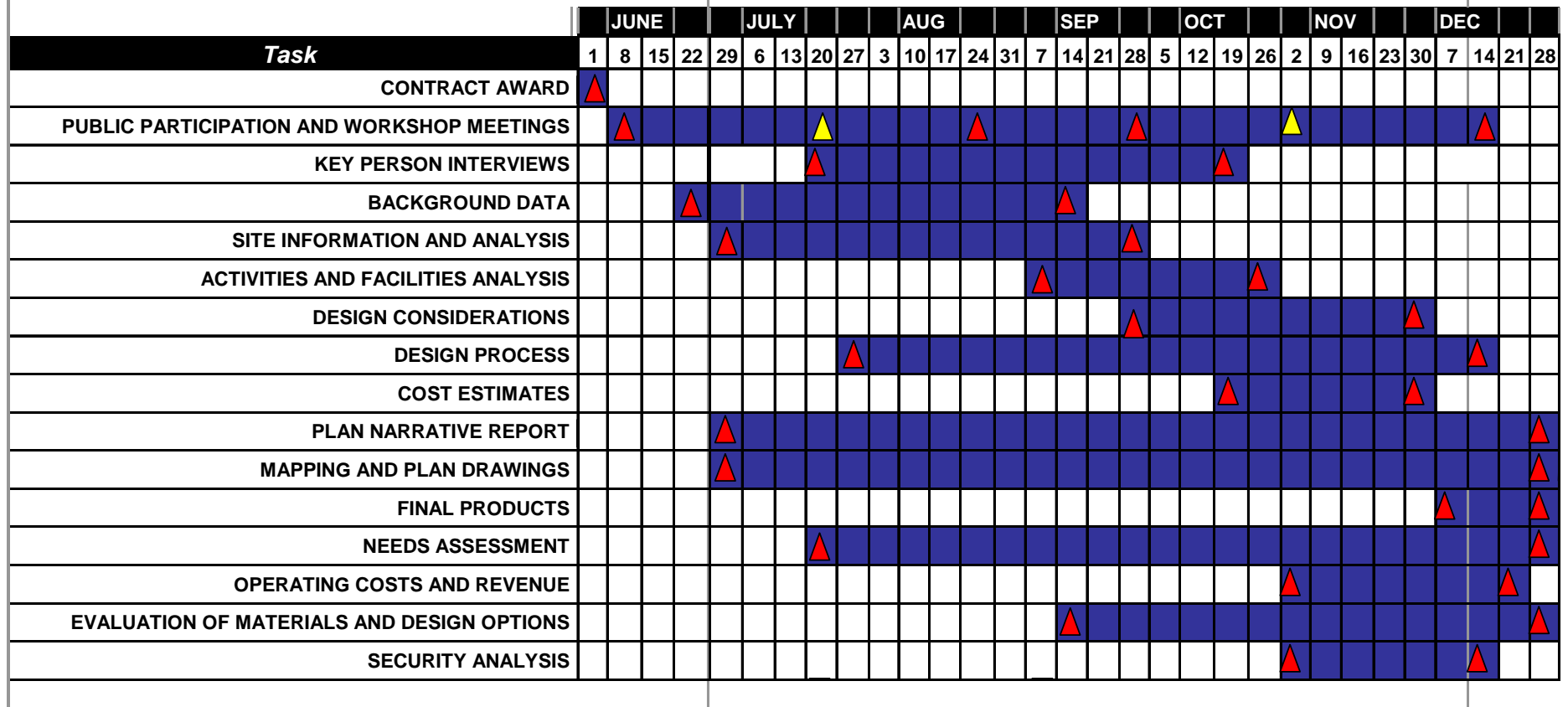
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# PROJECT SCHEDULE

## BRIDGE PRESERVE MASTER SITE PLAN Project Schedule 2009



# PROJECT SCHEDULE

## BRIDGE PRESERVE MASTER SITE PLAN Project Schedule 2009

	JUNE				JULY				AUG				SEP				OCT				NOV				DEC							
Task	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14	21	28	
CONTRACT AWARD																																
PUBLIC PARTICIPATION AND WORKSHOP MEETINGS																																
KEY PERSON INTERVIEWS																																
BACKGROUND DATA																																
SITE INFORMATION AND ANALYSIS																																
ACTIVITIES AND FACILITIES ANALYSIS																																
DESIGN CONSIDERATIONS																																
DESIGN PROCESS																																
COST ESTIMATES																																
PLAN NARRATIVE REPORT																																
MAPPING AND PLAN DRAWINGS																																
FINAL PRODUCTS																																
NEEDS ASSESSMENT																																
OPERATING COSTS AND REVENUE																																
EVALUATION OF MATERIALS AND DESIGN OPTIONS																																
SECURITY ANALYSIS																																



# MASTER PLAN PROCESS

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## WHAT ARE THE GOALS?

- Conservation, Preservation and Limited Development
- Promote Passive Recreation and Environmental Education
- Creative, Simple and Effective Park Design Solutions – Low Maintenance
- Compatibility with Surroundings and Existing Recreation Facilities

## SITE INVENTORY AND ANALYSIS

- What type of recreation can the site handle? (Hydrology, Soils, Slopes, Wetlands.....)
- Where and what are the important natural, historical, cultural features?
- How accessible is the site?

## PUBLIC PARTICIPATION

- What does the public want?
- What are the needs in the community?
- Does the parks goals fit into the community and other completed studies?

→ On-Site Meetings were conducted for the Northern Parcel and the Southern Parcel on June 27 and July 27, 2009, respectively. The Site hikes allowed Committee Members, stakeholders and McLane Associates a chance to

- |   |   |
|---|---|
| - see and explore the site                | - to complete initial Site Inventory and Analysis |
| - to discuss development options          | - to identify major site constraints and benefits |
| - to document the public's ideas/thoughts | - to discuss park access and parking areas        |

## CONCEPT PLANS AND PREPARATION OF MASTER SITE PLAN

- Mapping with Phases, Narrative Report, Cost Estimate .....

# KEY PERSON INTERVIEWS

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## Current Key Person Interview List

- Susan Beecher – Pike Co. Conservation
- Sally Corrigan – Pike Co. Planning Commission
- Jeff Rosalsky – Pike Environmental Education Center
- Milford Water Authority Board
- A few adjacent neighbors
- PA DCNR – Tim Ladner, Tim Bulch

PA DCNR states that the purpose of key person interviews is to give community leaders (beyond the elected officials) an opportunity to voice their concerns and respond to a standard set of questions. This engages these individuals, with substantial influence in the community, in the planning process.

## BRIDGE PRESERVE MASTER SITE PLAN KEY PERSON INTERVIEW

NAME:	EMAIL:
ADDRESS:	PHONE NUMBER:
MUNICIPALITY:	PROFESSION:

### INTERVIEW NOTES:

*RECOMMENDED BY:* STUDY COMMITTEE

*BACKGROUND:*

### *STANDARD QUESTIONS:*

HAVE YOU VISITED THE SITE BEFORE AND IF SO FOR WHAT PURPOSE?

WHAT IS THE BEST NICHE FOR THE BRIDGE PRESERVE – TOURISM, ACTIVE RECREATION, PASSIVE RECREATION, CONSERVATION?

WHAT IMPROVEMENTS ARE NEEDED AND/OR WHAT ACTIVITIES/AMENITIES SHOULD BE ADDED TO THE PRESERVE?

SHOULD COMMUNITY CONNECTIONS BE EXPLORED? IF SO, WHICH CONNECTIONS ARE MOST IMPORTANT?

WHAT CONCERNS DO YOU HAVE ABOUT THE PRESERVE (MAINTENANCE, SECURITY, ETC.)?

*ADDITIONAL BRIDGE PRESERVE OPINIONS/CONCERNS/IDEAS*



# STUDY COMMITTEE & PUBLIC MEETINGS

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## **Study Committee Meeting #1 (June 11, 2009) - Kick Off Meeting**

### **Study Committee Meeting #2 (June 27, 2009) – Northern Parcel hike**

- Trail width able to handle two-people side by side (5-8' width), Mile markers
- Potential loop trail with pond as destination point
- New trails will be built as sustainable as possible (follow contours, avoid wetlands, eliminate fall lines)
- Keep away from property line and houses as much as possible
- Interpretive signage (plant/tree tags)
- Shelter/Kiosk for map and educational information (rattlesnakes, pond, wildlife, etc.)
- Benches that blend into nature along trail (rest areas)
- Clear portions of the meadow area → loop trail begins/ terminates at this location

### **Study Committee Meeting #3 (July 27, 2009) – Southern Parcel hike**

- Proposed parking area #1 is too close to Sawkill Creek, an EV Stream. New location will be assessed.
- A portion of the meadow areas in the Southern Parcel will be maintained (mowed)
- A few wildlife blinds may be added to the meadow areas to observe birds and wildlife
- The existing trails need minor clearing in most locations – limb up trees, mow, rake
- The main loop will be directed away from the New Jersey Camp and other private property areas along the lake to reduce trespassing
- Access to the lake will be limited to two areas; they will include a picnic table and a trash receptacle, which the township will empty
- There will be no swimming or boating
- Fish at your own discretion

# STUDY COMMITTEE & PUBLIC MEETINGS

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## **Study Committee Meeting #4 (September 21, 2009) – Critical Review of Concept Plans**

- Can billboards be used as educational tools to promote conservation, watershed education or highlight “green” or conservation companies? Billboards are leased from Township – township does not control what is placed on board.
- All trails will be non-motorized (hikers, bikes, x-country)
- Probably no equestrian because trailers would require a larger parking area
- No dog park will be proposed for concept, dogs allowed in preserve on a leash
- Sawkill is an EV stream and it is linked to the Milford water supply – try to keep trails and parking areas away from floodplain.
- Bringing in stone or mulch for a trail tread is still considered fill material and requires a permit.
- A potential shelter will be proposed for Phase 2 near the pond in the north.
- Trail widths: South (Main trail is 5', Spur trails are 18"); North (Trail is 3-5'), Narrower trails can help minimize disturbance. A 1 ft safety zone will be alongside the trail as well.
- Proposed parking areas were confirmed as documented on map with 6-8 stalls
- Dawn to Dusk hours
- Picnic table(s) and trash receptacle by lake
- Place private property sign near NJ Camp
- Place only one rustic looking gazebo in northern parcel meadow (maybe 20' diameter); visit Child's Park for an example
- Funding: DCNR grant for master plan study (50/50 match), construction from Dingman Township general fund with no increase in taxes, no cost to Milford Township at this time

## **Public Hearing #1 (October 28, 2009) – Milford Township Municipal Building**



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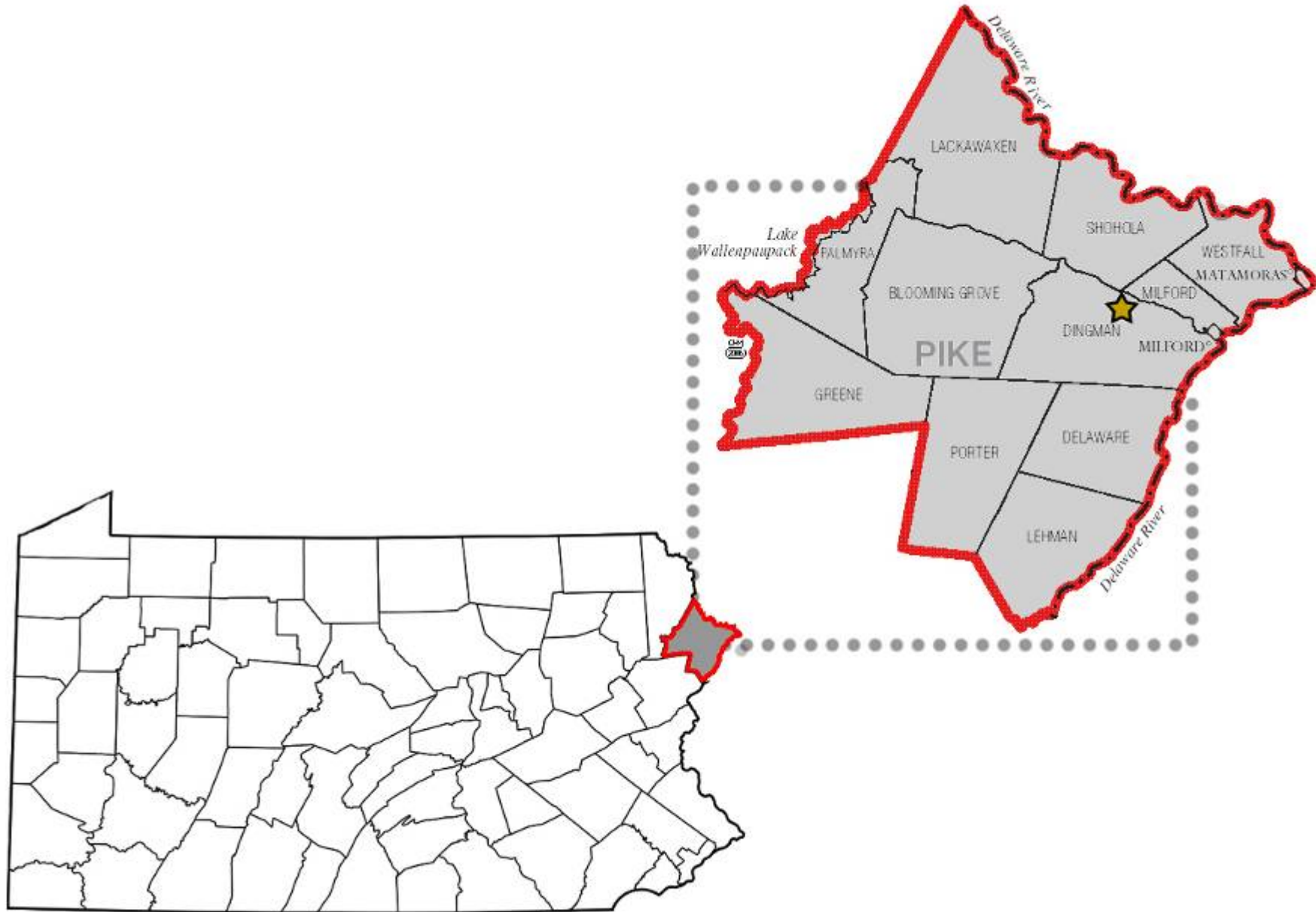
# SITE INTRODUCTION

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# SITE LOCATION

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# SITE DIRECTIONS

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- Take Interstate 84 to Milford exit
- Follow Route 6 West to where Sawkill Road and Twin Lakes Road Intersect Route 6



# SITE HISTORY

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- Over the last few years, Charles Bridge began the process of donating his family's 300 acres of property to Dingman Township following the completion of a Conservation Easement through the North American Lands Trust.
- The Preserve is easily accessible by local residents and tourists.
- Historic Route 6 transects the property and essentially splits the property into two main parcels – one in eastern Dingman Township and the other in western Milford Township.
- The approximately 66 acre parcel to the south is primarily wooded with a large open meadow at the interior, 400 feet of frontage on Sawkill Pond (lake), and a 1000 linear foot section of Sawkill Creek (an Exceptional Value stream).
- The northern parcel is situated in Milford Township and consists of 233 wooded acres with a small spring-fed pond and an eight acre meadow.
- Portions of the Preserve (southern parcel) were maintained and X-country skiing was a nice amenity.
- McLane Associates contacted the Pike County Historical Society and a historian from Shohola



**-- Does anyone attending this meeting have information to share about the Preserve?**



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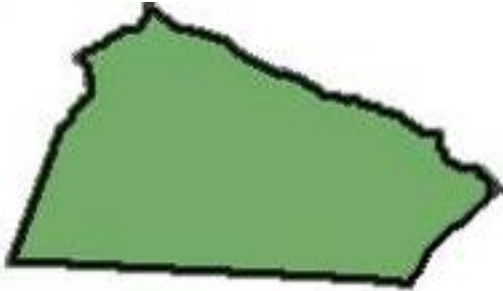
# REGIONAL AND LOCAL CONTEXT

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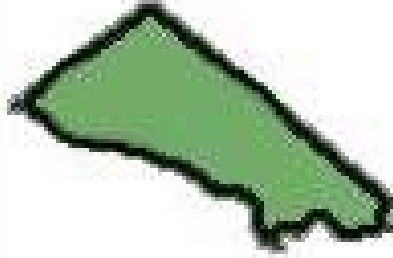


# MUNICIPALITIES AND COMMUNITIES

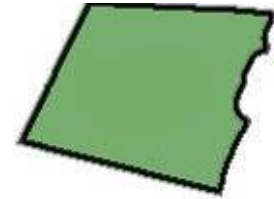
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DINGMAN TOWNSHIP

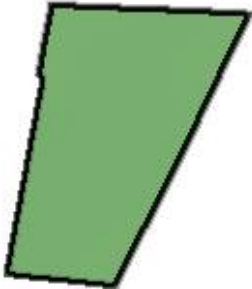


MILFORD TOWNSHIP



DELAWARE TOWNSHIP

**WHAT ARE THE LOCAL AND REGIONAL COMMUNITIES LIKE?**  
**DEMOGRAPHICS, GROWTH PATTERNS,**  
**COMMUNITY NEEDS, EXISTING AMENITIES AND PARKS**



PORTER TOWNSHIP



BLOOMING GROVE



SHOHOLA TOWNSHIP



# SURROUNDING PARKS

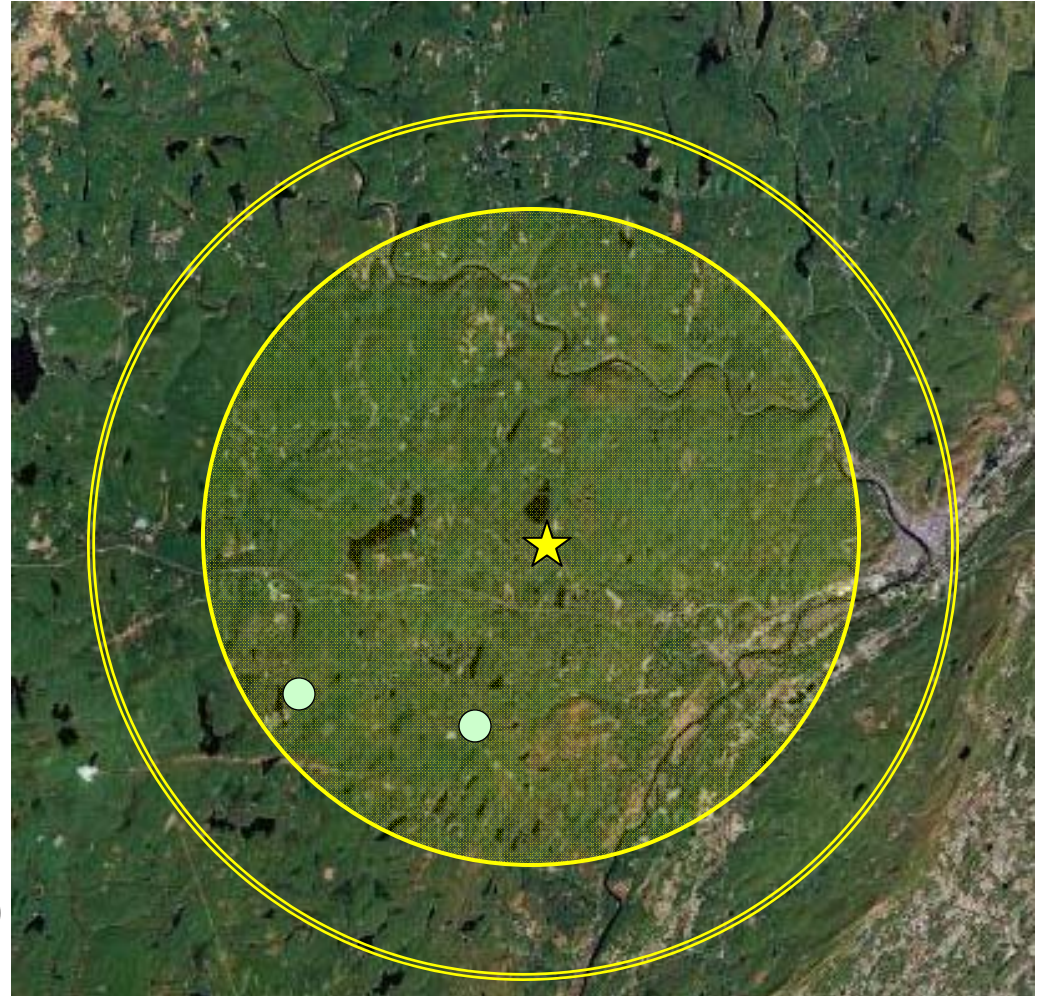
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## Local Parks within 10 Miles:

- Delaware State Forest
- George W. Childs Recreation Site
- Pike County Park

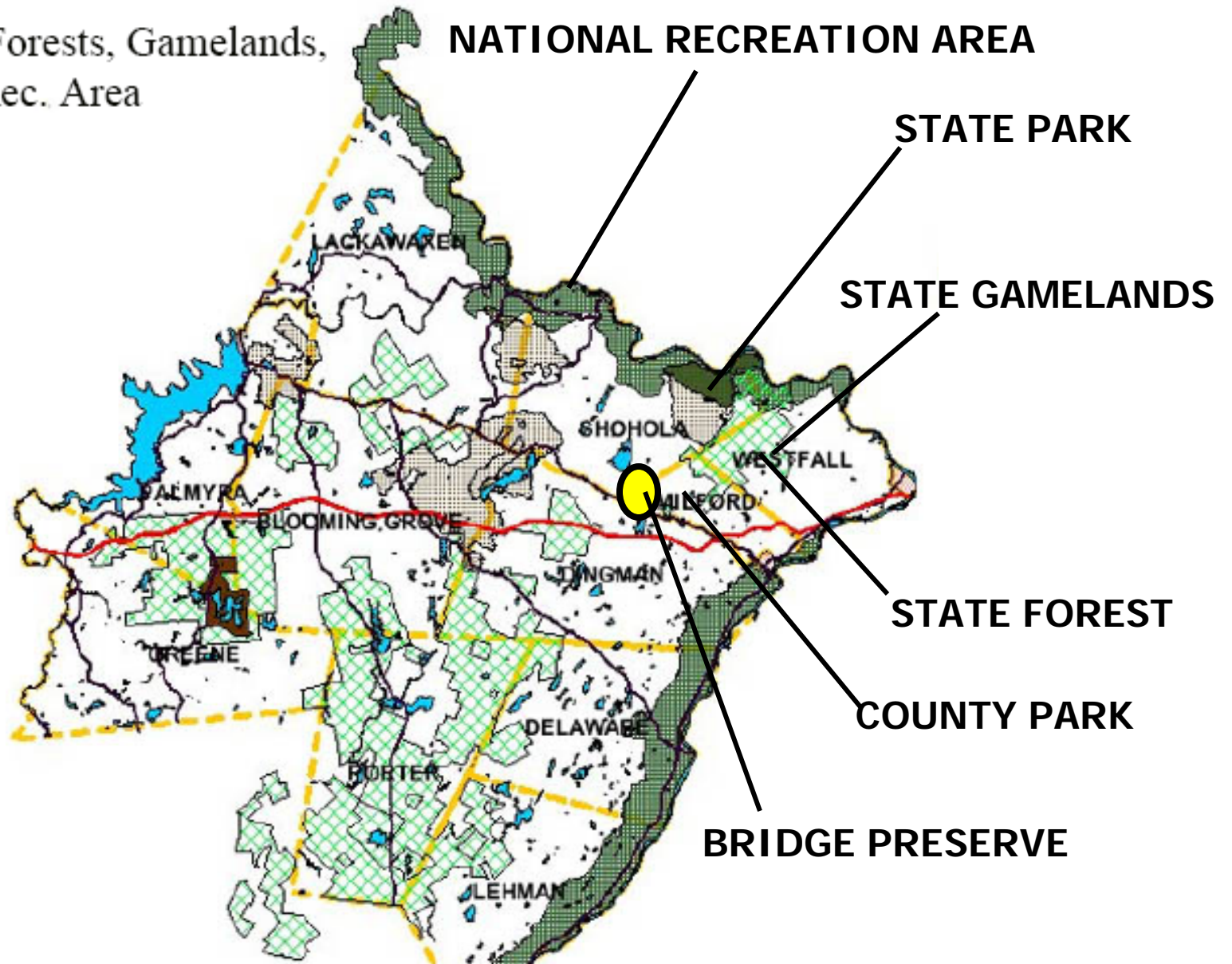
## Regional Parks and Open Space

- Promised Land State Park
- Bushkill Falls
- Lacawac Sanctuary
- Pecks Pond
- Pocono Environmental Educational Center
- Upper Delaware Scenic and Recreation River
- Matamoras Veterans Memorial
- Ledgesdale Natural Area Lake Wallenpaupack
- State Gamelands
- Lake Shohola Recreation Area Gamelands 180



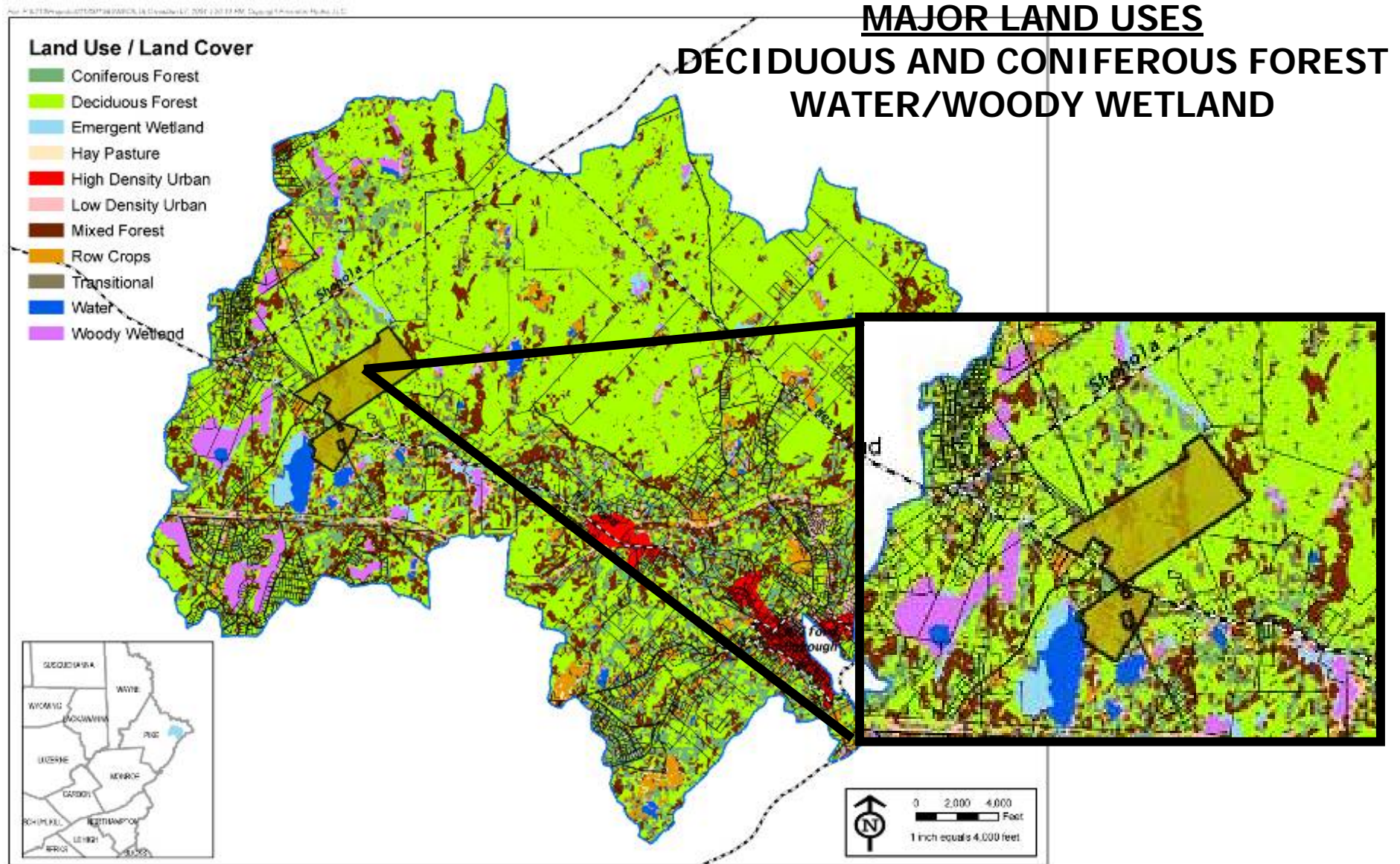
# CONSERVED LANDS

State Parks, Forests, Gamelands,  
& National Rec. Area





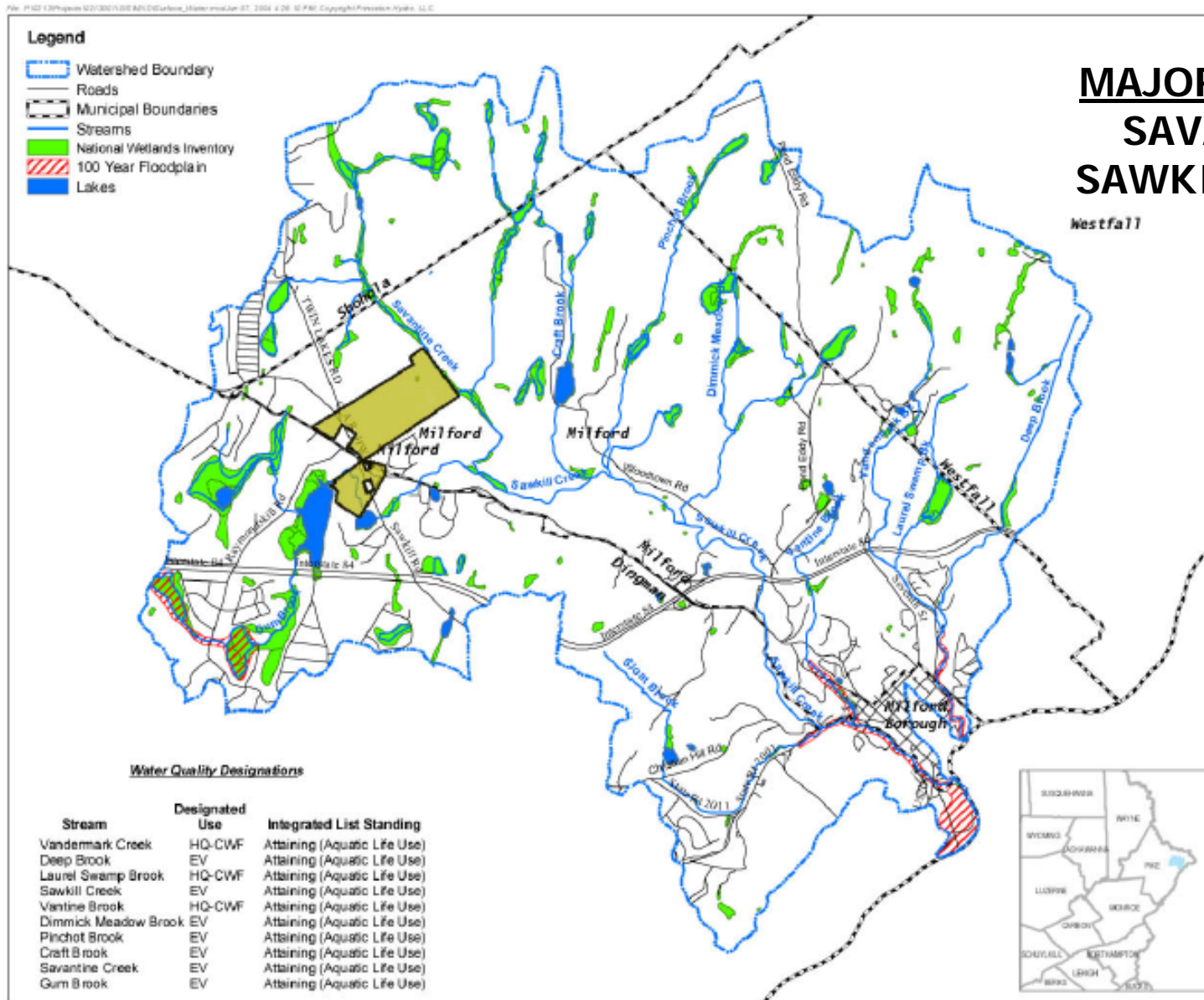
# LAND USE MAP







# SURFACE WATERS



**MAJOR WATERWAYS**  
**SAVANTINE (EV)**  
**SAWKILL CREEK (EV)**



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# SITE INVENTORY AND ANALYSIS

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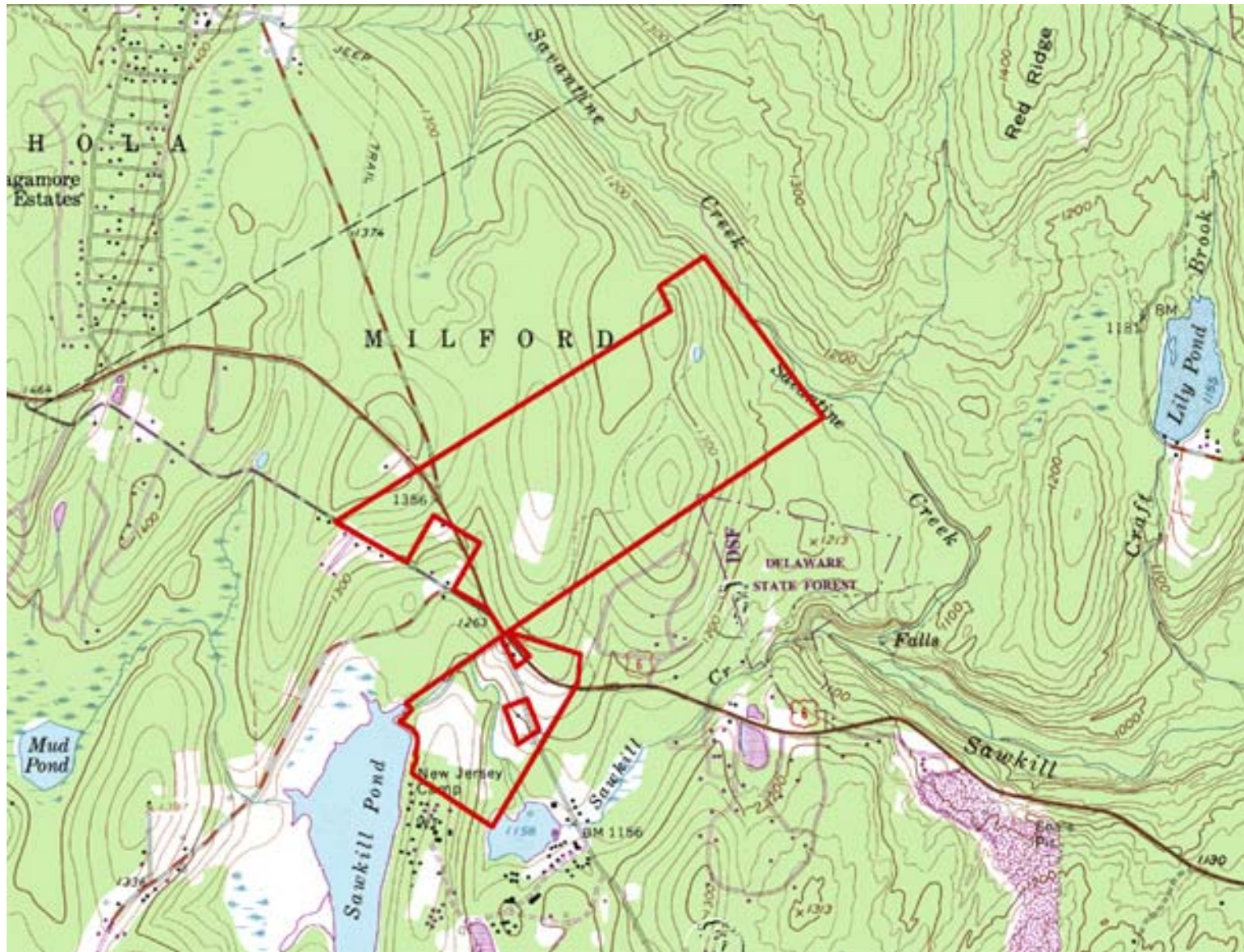
# AERIAL MAP

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# USGS TOPOGRAPHIC MAP (Edgemere quad)





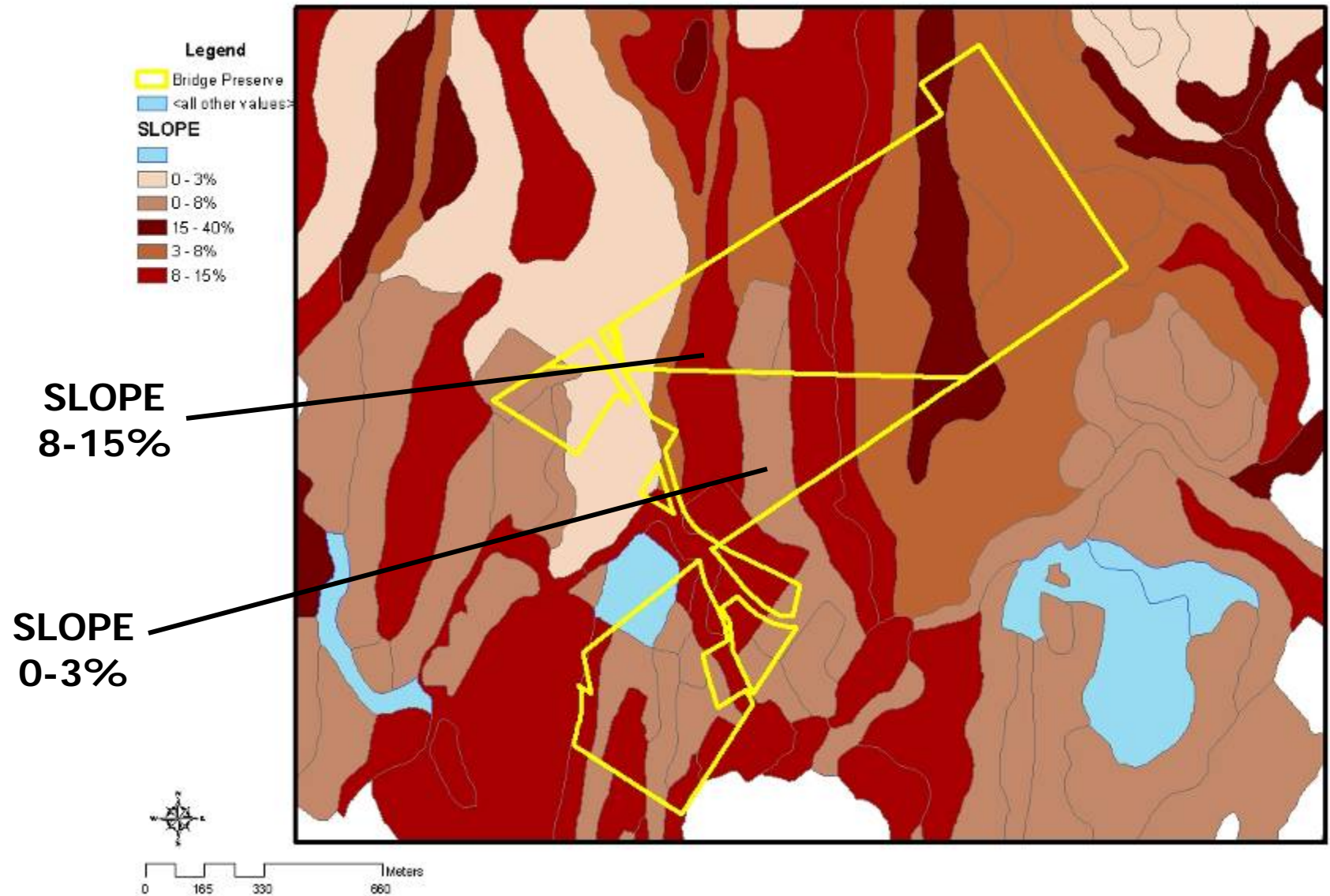
**Legend:**

- 11 - Edgemere extremely stony loam
- 111 - Edgemere extremely stony loam
- 12 - Edgemere extremely stony loam
- 12 - Glenayre-Kimbles complex
- 19 - Morris very channery loam
- 20 - Freetown mucky peat
- 239 - Oquaga very stony loam
- 240 - Oquaga-Arnot-Rock outcrop complex
- 25 - Wurtsboro channery fine sandy loam
- 30 - Wurtsboro stony fine sandy loam
- 38 - Swartswood stony fine sandy loam
- 7 - Shohola-Edgemere complex
- 879 - Lordstown-Swartswood complex
- 9 - Craigville-Wyoming complex
- 97 - Lordstown very channery loam

**Map Labels:** 11A, 11B, 12, 18, 19B, 20, 239C, 239D, 240F, 25B, 25C, 25D, 25E, 25F, 25G, 25H, 25I, 25J, 25K, 25L, 25M, 25N, 25O, 25P, 25Q, 25R, 25S, 25T, 25U, 25V, 25W, 25X, 25Y, 25Z, 25AA, 25AB, 25AC, 25AD, 25AE, 25AF, 25AG, 25AH, 25AI, 25AJ, 25AK, 25AL, 25AM, 25AN, 25AO, 25AP, 25AQ, 25AR, 25AS, 25AT, 25AU, 25AV, 25AW, 25AX, 25AY, 25AZ, 25BA, 25BB, 25BC, 25BD, 25BE, 25BF, 25BG, 25BH, 25BI, 25BJ, 25BK, 25BL, 25BM, 25BN, 25BO, 25BP, 25BQ, 25BR, 25BS, 25BT, 25BU, 25BV, 25BW, 25BX, 25BY, 25BZ, 25CA, 25CB, 25CC, 25CD, 25CE, 25CF, 25CG, 25CH, 25CI, 25CJ, 25CK, 25CL, 25CM, 25CN, 25CO, 25CP, 25CQ, 25CR, 25CS, 25CT, 25CU, 25CV, 25CW, 25CX, 25CY, 25CZ, 25DA, 25DB, 25DC, 25DD, 25DE, 25DF, 25DG, 25DH, 25DI, 25DJ, 25DK, 25DL, 25DM, 25DN, 25DO, 25DP, 25DQ, 25DR, 25DS, 25DT, 25DU, 25DV, 25DW, 25DX, 25DY, 25DZ, 25EA, 25EB, 25EC, 25ED, 25EE, 25EF, 25EG, 25EH, 25EI, 25EJ, 25EK, 25EL, 25EM, 25EN, 25EO, 25EP, 25EQ, 25ER, 25ES, 25ET, 25EU, 25EV, 25EW, 25EX, 25EY, 25EZ, 25FA, 25FB, 25FC, 25FD, 25FE, 25FF, 25FG, 25FH, 25FI, 25FJ, 25FK, 25FL, 25FM, 25FN, 25FO, 25FP, 25FQ, 25FR, 25FS, 25FT, 25FU, 25FV, 25FW, 25FX, 25FY, 25FZ, 25GA, 25GB, 25GC, 25GD, 25GE, 25GF, 25GG, 25GH, 25GI, 25GJ, 25GK, 25GL, 25GM, 25GN, 25GO, 25GP, 25GQ, 25GR, 25GS, 25GT, 25GU, 25GV, 25GW, 25GX, 25GY, 25GZ, 25HA, 25HB, 25HC, 25HD, 25HE, 25HF, 25HG, 25HH, 25HI, 25HJ, 25HK, 25HL, 25HM, 25HN, 25HO, 25HP, 25HQ, 25HR, 25HS, 25HT, 25HU, 25HV, 25HW, 25HX, 25HY, 25HZ, 25IA, 25IB, 25IC, 25ID, 25IE, 25IF, 25IG, 25IH, 25II, 25IJ, 25IK, 25IL, 25IM, 25IN, 25IO, 25IP, 25IQ, 25IR, 25IS, 25IT, 25IU, 25IV, 25IW, 25IX, 25IY, 25IZ, 25JA, 25JB, 25JC, 25JD, 25JE, 25JF, 25JG, 25JH, 25JI, 25JJ, 25JK, 25JL, 25JM, 25JN, 25JO, 25JP, 25JQ, 25JR, 25JS, 25JT, 25JU, 25JV, 25JW, 25JX, 25JY, 25JZ, 25KA, 25KB, 25KC, 25KD, 25KE, 25KF, 25KG, 25KH, 25KI, 25KJ, 25KK, 25KL, 25KM, 25KN, 25KO, 25KP, 25KQ, 25KR, 25KS, 25KT, 25KU, 25KV, 25KW, 25KX, 25KY, 25KZ, 25LA, 25LB, 25LC, 25LD, 25LE, 25LF, 25LG, 25LH, 25LI, 25LJ, 25LK, 25LL, 25LM, 25LN, 25LO, 25LP, 25LQ, 25LR, 25LS, 25LT, 25LU, 25LV, 25LW, 25LX, 25LY, 25LZ, 25MA, 25MB, 25MC, 25MD, 25ME, 25MF, 25MG, 25MH, 25MI, 25MJ, 25MK, 25ML, 25MN, 25MO, 25MP, 25MQ, 25MR, 25MS, 25MT, 25MU, 25MV, 25MW, 25MX, 25MY, 25MZ, 25NA, 25NB, 25NC, 25ND, 25NE, 25NF, 25NG, 25NH, 25NI, 25NJ, 25NK, 25NL, 25NM, 25NN, 25NO, 25NP, 25NQ, 25NR, 25NS, 25NT, 25NU, 25NV, 25NW, 25NX, 25NY, 25NZ, 25OA, 25OB, 25OC, 25OD, 25OE, 25OF, 25OG, 25OH, 25OI, 25OJ, 25OK, 25OL, 25OM, 25ON, 25OO, 25OP, 25OQ, 25OR, 25OS, 25OT, 25OU, 25OV, 25OW, 25OX, 25OY, 25OZ, 25PA, 25PB, 25PC, 25PD, 25PE, 25PF, 25PG, 25PH, 25PI, 25PJ, 25PK, 25PL, 25PM, 25PN, 25PO, 25PP, 25PQ, 25PR, 25PS, 25PT, 25PU, 25PV, 25PW, 25PX, 25PY, 25PZ, 25QA, 25QB, 25QC, 25QD, 25QE, 25QF, 25QG, 25QH, 25QI, 25QJ, 25QK, 25QL, 25QM, 25QN, 25QO, 25QP, 25QQ, 25QR, 25QS, 25QT, 25QU, 25QV, 25QW, 25QX, 25QY, 25QZ, 25RA, 25RB, 25RC, 25RD, 25RE, 25RF, 25RG, 25RH, 25RI, 25RJ, 25RK, 25RL, 25RM, 25RN, 25RO, 25RP, 25RQ, 25RR, 25RS, 25RT, 25RU, 25RV, 25RW, 25RX, 25RY, 25RZ, 25SA, 25SB, 25SC, 25SD, 25SE, 25SF, 25SG, 25SH, 25SI, 25SJ, 25SK, 25SL, 25SM, 25SN, 25SO, 25SP, 25SQ, 25SR, 25SS, 25ST, 25SU, 25SV, 25SW, 25SX, 25SY, 25SZ, 25TA, 25TB, 25TC, 25TD, 25TE, 25TF, 25TG, 25TH, 25TI, 25TJ, 25TK, 25TL, 25TM, 25TN, 25TO, 25TP, 25TQ, 25TR, 25TS, 25TT, 25TU, 25TV, 25TW, 25TX, 25TY, 25TZ, 25UA, 25UB, 25UC, 25UD, 25UE, 25UF, 25UG, 25UH, 25UI, 25UJ, 25UK, 25UL, 25UM, 25UN, 25UO, 25UP, 25UQ, 25UR, 25US, 25UT, 25UU, 25UV, 25UW, 25UX, 25UY, 25UZ, 25VA, 25VB, 25VC, 25VD, 25VE, 25VF, 25VG, 25VH, 25VI, 25VJ, 25VK, 25VL, 25VM, 25VN, 25VO, 25VP, 25VQ, 25VR, 25VS, 25VT, 25VU, 25VV, 25VW, 25VX, 25VY, 25VZ, 25WA, 25WB, 25WC, 25WD, 25WE, 25WF, 25WG, 25WH, 25WI, 25WJ, 25WK, 25WL, 25WM, 25WN, 25WO, 25WP, 25WQ, 25WR, 25WS, 25WT, 25WU, 25WV, 25WW, 25WX, 25WY, 25WZ, 25XA, 25XB, 25XC, 25XD, 25XE, 25XF, 25XG, 25XH, 25XI, 25XJ, 25XK, 25XL, 25XM, 25XN, 25XO, 25XP, 25XQ, 25XR, 25XS, 25XT, 25XU, 25XV, 25XW, 25XX, 25XY, 25XZ, 25YA, 25YB, 25YC, 25YD, 25YE, 25YF, 25YG, 25YH, 25YI, 25YJ, 25YK, 25YL, 25YM, 25YN, 25YO, 25YP, 25YQ, 25YR, 25YS, 25YT, 25YU, 25YV, 25YW, 25YX, 25YY, 25YZ, 25ZA, 25ZB, 25ZC, 25ZD, 25ZE, 25ZF, 25ZG, 25ZH, 25ZI, 25ZJ, 25ZK, 25ZL, 25ZM, 25ZN, 25ZO, 25ZP, 25ZQ, 25ZR, 25ZS, 25ZT, 25ZU, 25ZV, 25ZW, 25ZX, 25ZY, 25ZZ

**Scale:** 0 to 800m

# SLOPES





# NWI WETLANDS





# VEGETATION

Survey done by Janet Ebert and Jack Holt from the North American Land Trust

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## Northern Parcel

Canopy of oak, maple, black gum, sassafras, some white pine and pitch pine

Understory of huckleberry, mountain laurel, sheep laurel, teaberry and lowbush blueberry

Meadow has brome, sweet fern, spiraea, barberry, multiflora rose, goldenrod, asters

## Southern Parcel

More diverse and richer in species and habitats

Oaks, maple, black gum, birch, sassafras, some white pine and pitch pine

Understory of huckleberry, sheep laurel, teaberry, lowbush blueberry, barberry, green brier and viburnum, highbush blueberry and buttonbush near water

Old field has grasses, spiraea, barberry, multiflora rose, goldenrod, asters, strawberry, yarrow, etc.



# PNDI ENVIRONMENTAL REVIEW

PNDI Project Environmental Review Receipt

Project Search ID: 20091015214441

## 1. PROJECT INFORMATION

Project Name: Bridge Preserve Master Site Plan

Date of review: 10/15/2009 2:16:57 PM

Project Category: Recreation, Trails & Trailheads (parking, etc.)

Project Area: 301.8 acres

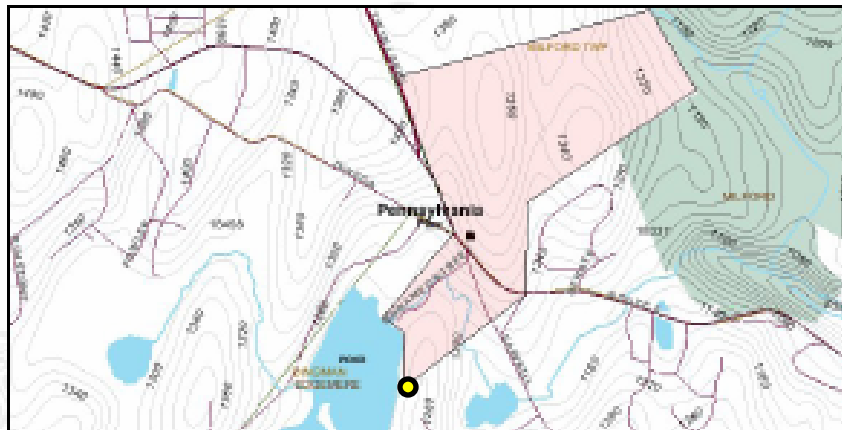
County: Pike Township/Municipality: Dingman, Milford Twp

Quadrangle Name: EDGEMERE

ZIP Code: 18337, 18458

Decimal Degrees: 41.36168 N, -74.88968 W

Degrees Minutes Seconds: 41° 21' 42" N, -74° 53' 22.9" W



## 2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	Potential Impact	<b>FURTHER REVIEW IS REQUIRED, See Agency Response</b>
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Avoidance Measure	See Agency Response
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required



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# PNDI ENVIRONMENTAL REVIEW

## Meeting with Game Commission

December 16, 2009



### Pennsylvania Fish & Boat Commission

Division of Environmental Services  
Natural Diversity Section  
450 Robinson Lane  
Bellefonte, PA 16823-9620  
(814) 359-5237 Fax: (814) 359-5175

November 4, 2009

IN REPLY REFER TO  
SIR# 32860

PAUL BECHTEL  
MCLANE ASSOCIATES  
601 STAFFORD AVENUE  
SCRANTON, PA 18505

RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species  
PNDI Search No. 20091015214441  
BRIDGE PRESEVE MASTER SITE PLAN  
DINGMAN, MILFORD Townships, PIKE County, Pennsylvania

Dear Mr. BECHTEL:

I have reviewed the map accompanying your recent correspondence, which concerns the above-referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and Pennsylvania Fish & Boat Commission (PFBC) files, the timber rattlesnake (*Crotalus horridus*, PA candidate) is known from the vicinity of the proposed project site. Timber rattlesnakes occur in the forested, mountainous regions of the Commonwealth. They prefer forested areas to forage for small mammals (e.g., mice and chipmunks) and talus, south to southeastern facing rocky slopes for hibernating and other thermoregulatory activities. The timber rattlesnake is threatened by over hunting, poaching and habitat alteration.

There have been observations of timber rattlesnakes nearby, but not in the immediate vicinity of the project area. **Therefore, we do not anticipate any direct adverse impacts to the timber rattlesnake from the proposed project.** However, the project areas could be used as foraging habitat for transient snakes and this warrants some concern about rattlesnake-human conflicts. Although the nature of the timber rattlesnake is rather docile, it can be dangerous if threatened, cornered or handled improperly. Therefore, the workers should be mindful of the presence of the snakes in the area. Rattlesnakes are attracted to open, rocky areas for basking and forested areas with thick deciduous leaf litter that tend to support high populations of rodents. We recommend that the workers responsible for implementing this project be advised that timber rattlesnakes may be encountered and that avoidance is the best means of minimizing risks to personal safety. These workers should also be advised that the timber rattlesnake is a state protected species and is not to be harmed. Killing of timber rattlesnakes without a proper permit is prohibited by the Commission pursuant to Chapter 70.6, subchapter 2102.

There have been observations of timber rattlesnakes nearby, but not in the immediate vicinity of the project area. **Therefore, we do not anticipate any direct adverse impacts to the timber rattlesnake from the proposed project.** However, the project areas could be used as foraging habitat for transient snakes and this warrants some concern about rattlesnake-human conflicts. Although the nature of the timber rattlesnake is rather



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# EXISTING CONDITIONS

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# NORTHERN PARCEL

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**Woodlands, Existing Trail**



**Lowland Area**



**Near Twin Lakes Road**



**Existing Trail**



# NORTHERN PARCEL

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**Woodlands Understory**



**Pond**



**Meadow Area**



**Meadow Area**



# SOUTHERN PARCEL

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**Existing Road/Trails**



**Sawkill Pond**



**Existing Creek Crossing**



**Sawkill Creek**



# SOUTHERN PARCEL

---



**Rock Outcropping**



**Successional Meadow**



**Sawkill Creek Riparian Area**



**Pine Stand**



# SOUTHERN PARCEL

---



**Woodlands**



**Successional Meadow**



**Existing Trail**



**Stone Wall**



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# CONCEPTS

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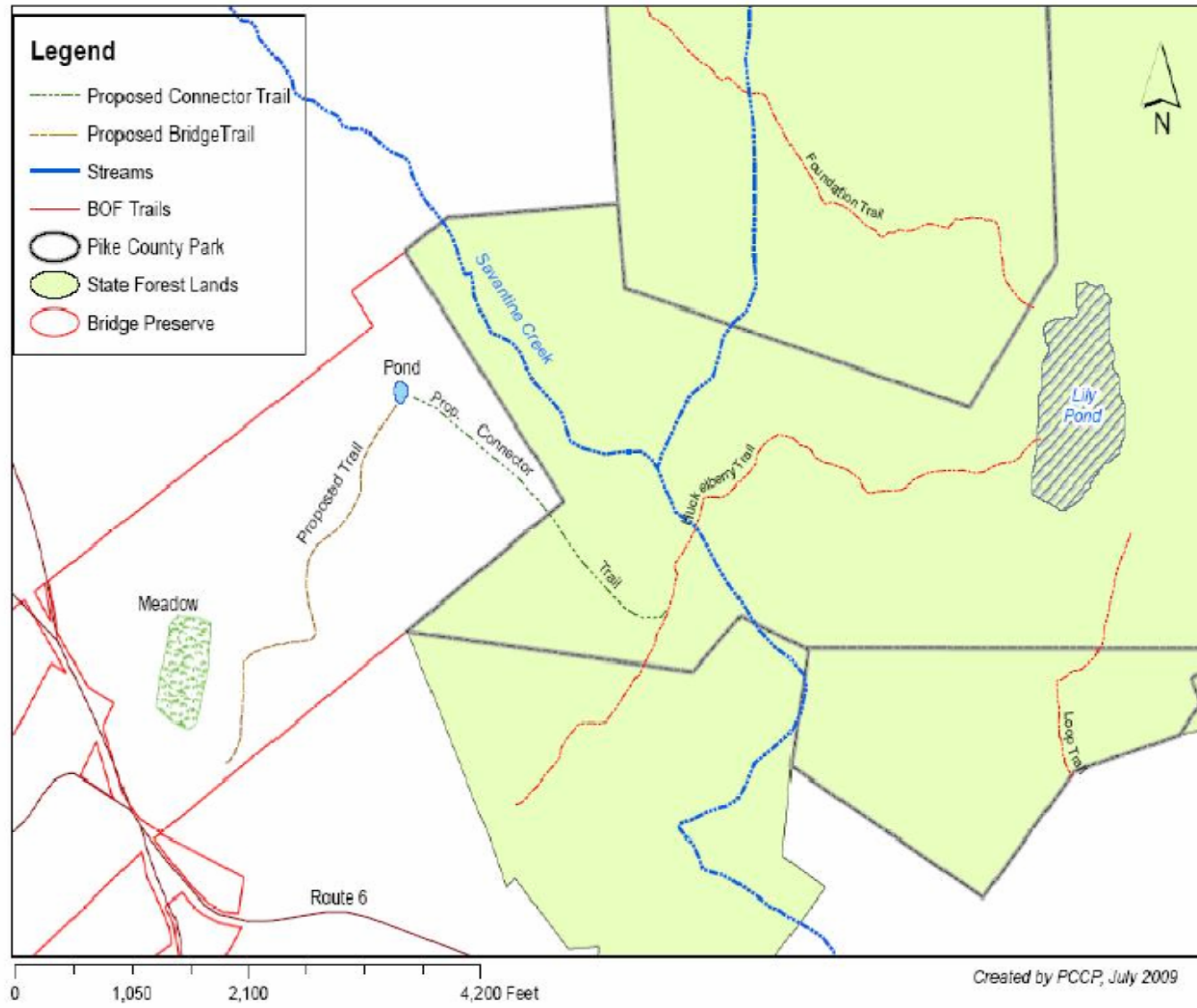






# REGIONAL CONNECTIVITY

PROPOSED CONNECTING TRAIL BETWEEN BRIDGE PRESERVE AND PIKE COUNTY PARK





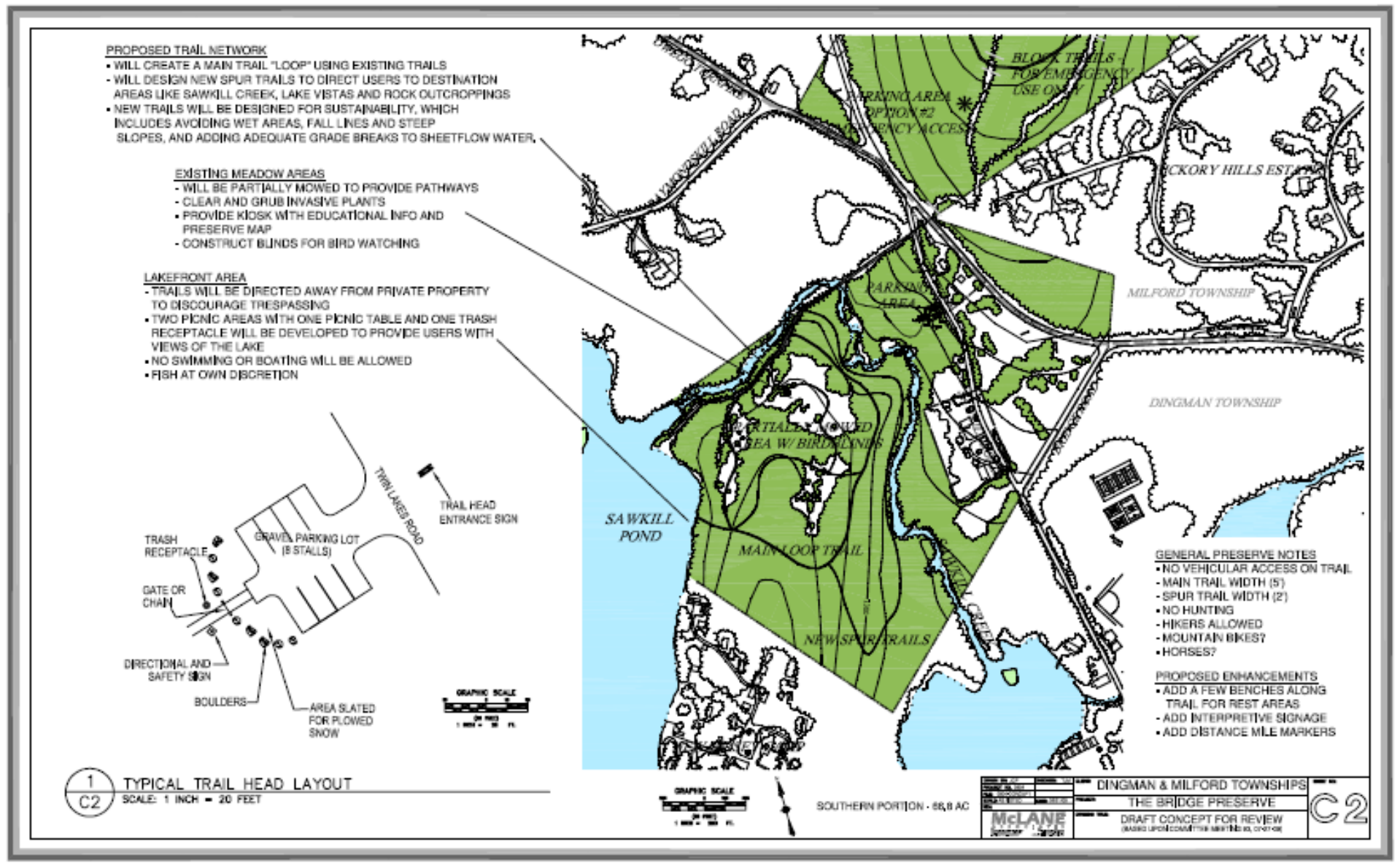
# REGIONAL CONNECTIVITY

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# SOUTHERN PARCEL





# WALKING TRAIL WITH LOG BENCHES

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# PATH WITH BENCHES AND TREE ID TAGS





# WOODLAND TRAIL



BRIDGE PRESERVE - MASTER SITE PLAN



# POND ECOLOGY SIGN





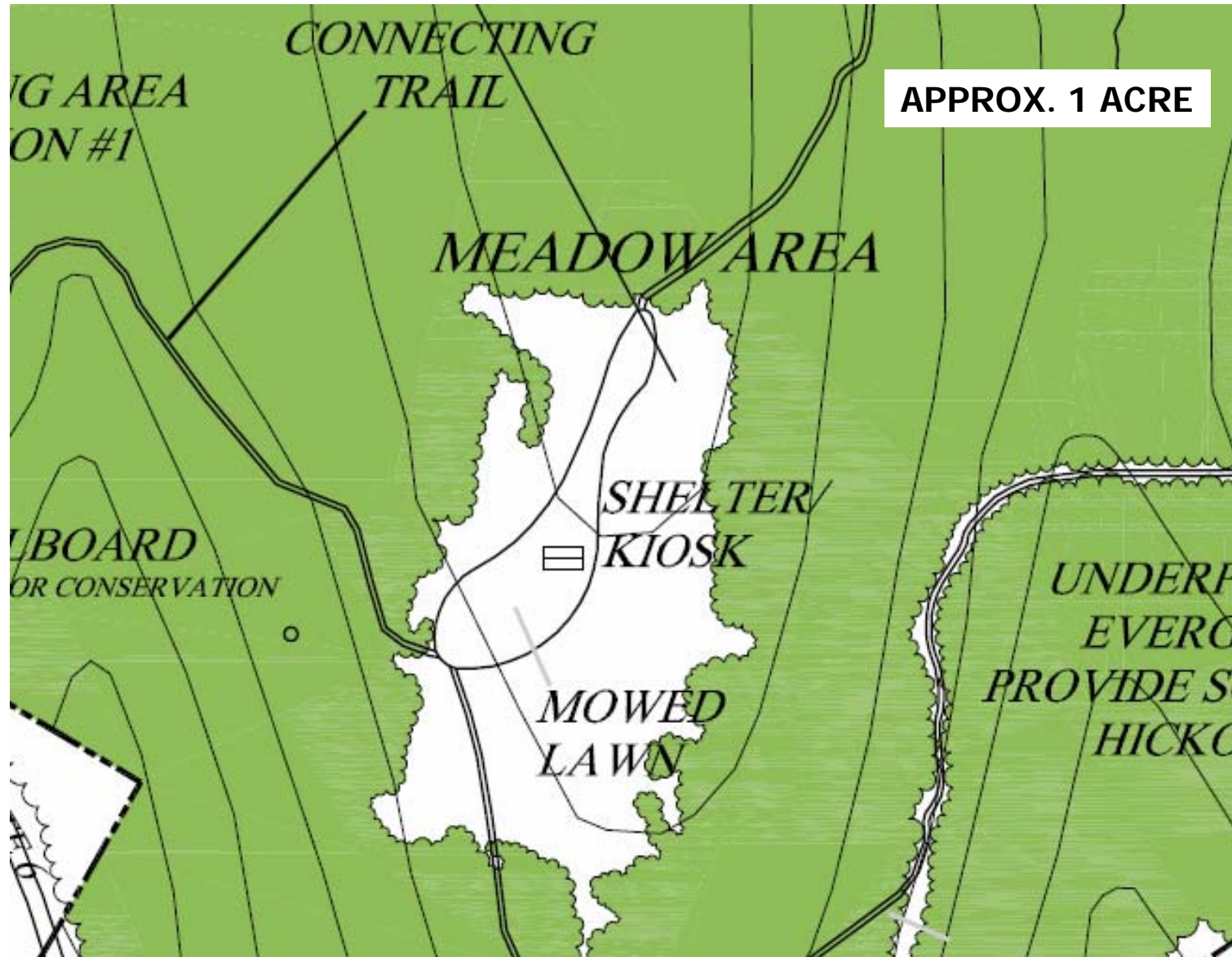
# NORTHERN MEADOW

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# NORTHERN MEADOW- MAINTAINED AREA





# NORTHERN MEADOW- MAINTAINED OPTION 1

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# NORTHERN MEADOW- MAINTAINED OPTION 2

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# NORTHERN MEADOW- MAINTAINED OPTION 3

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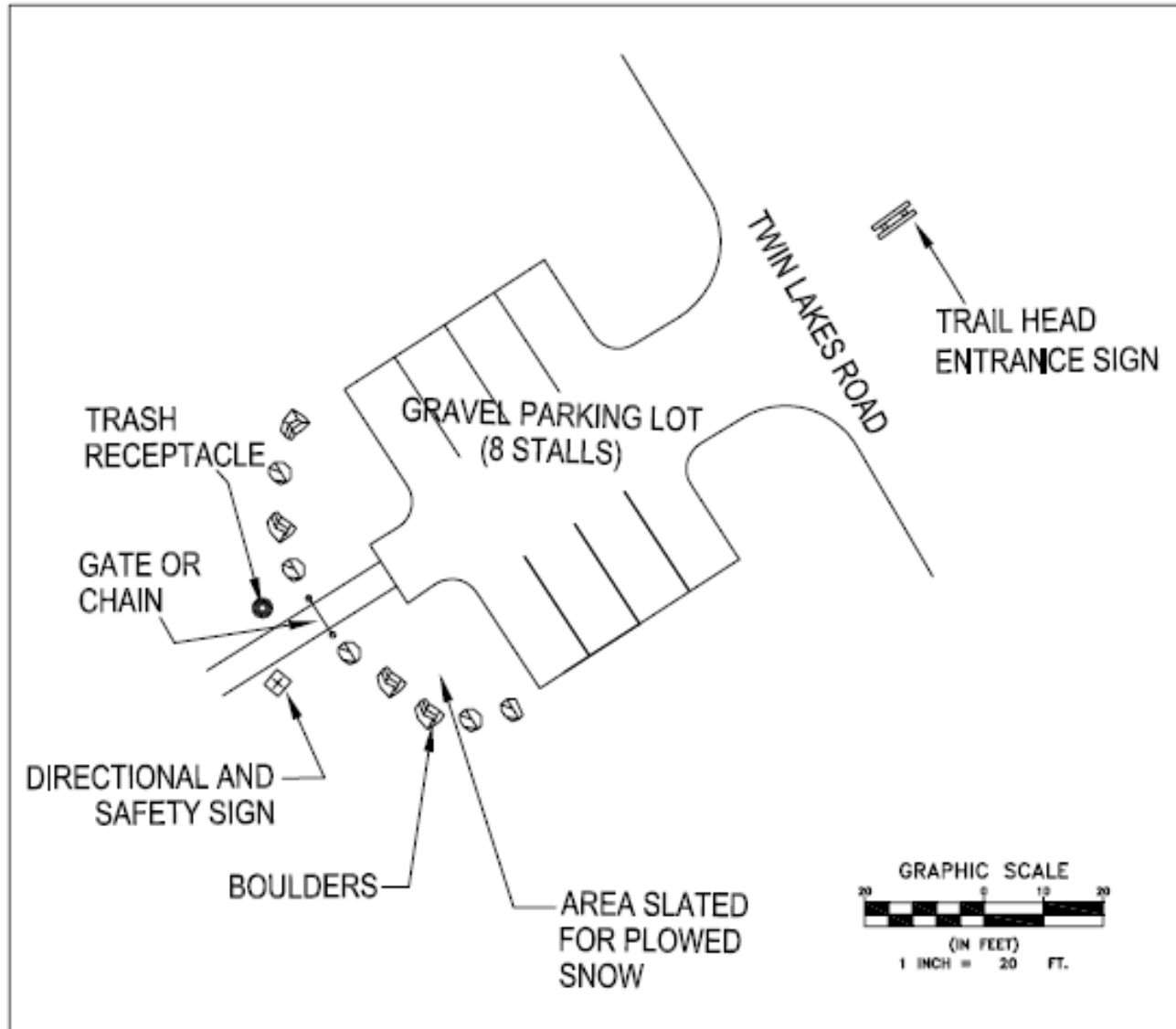
# PROPOSED AMENITIES

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# TYPICAL TRAILHEAD





# TRAILHEAD LOCATION – NORTHERN

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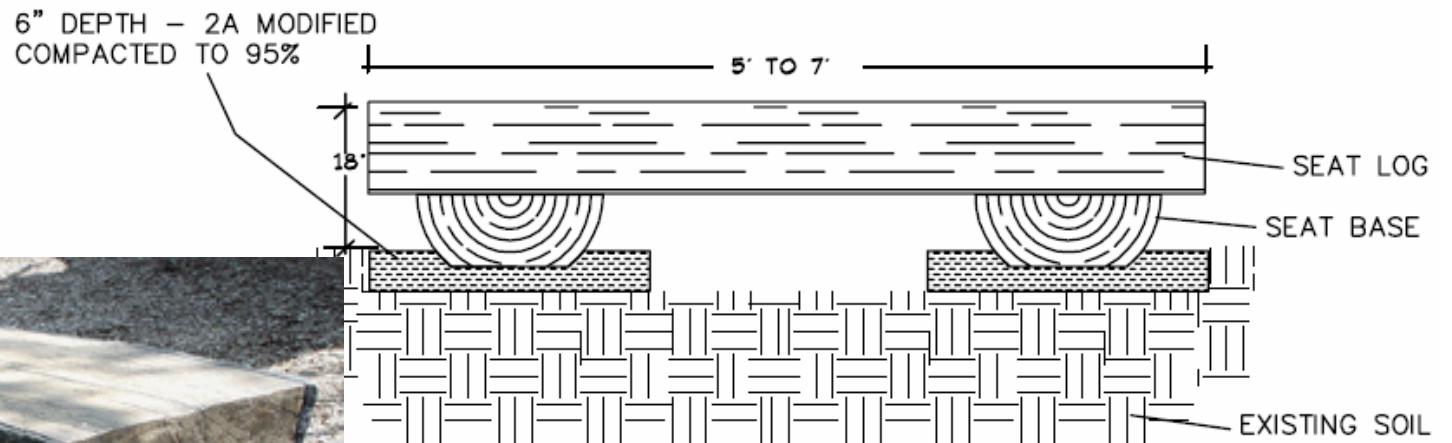
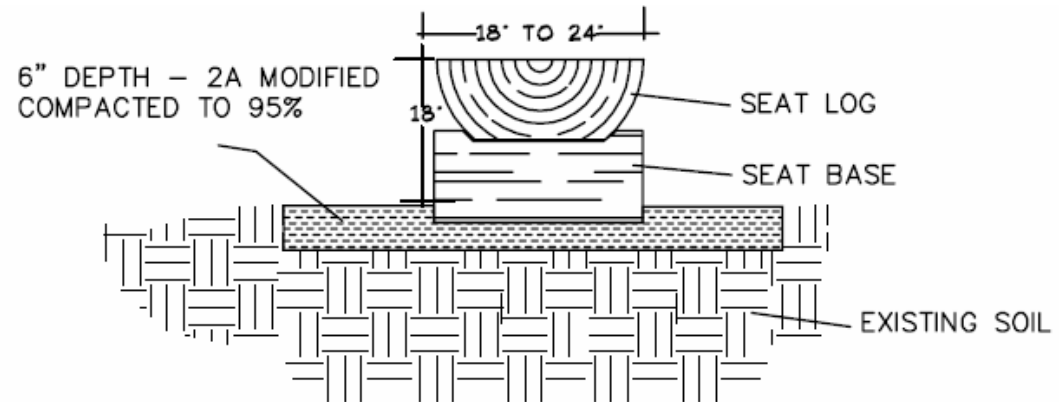
# TRAILHEAD LOCATION – SOUTHERN

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# LOG BENCHES



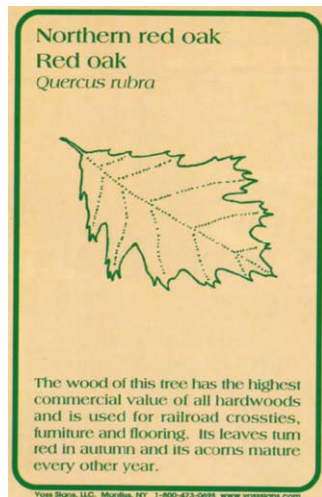


# PRESERVE EDUCATIONAL SIGNAGE





# INTERPRETIVE TREE SIGNAGE





# SHELTER

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# COST ESTIMATE

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# COST ESTIMATE

PHASE ONE (P1) COST ESTIMATE: BRIDGE PRESERVE NORTHERN PARCEL					
BASE BID					
Detail	Line Item Description	Estimated Quantity (EQ) and Units		Unit Cost (UC)	Total Cost (EQ x UC)
TOTAL:				\$	70,307.50
	BOULDERS FOR TRAIL HEAD, RELOCATE FROM DINGMAN TOWNSHIP PARK	9	EA	\$ 50.00	\$ 450.00
	GRADING FOR TRAIL HEAD, ACCESS ROAD	6350	SF	\$ 0.35	\$ 2,222.50
	GRAVEL, NO.2A, 4" DEPTH (FOR PARKING LOT AND ACCESS ROAD)	78	CY	\$ 65.00	\$ 5,070.00
	TRASH RECEPTACLE	1	EA	\$ 500.00	\$ 500.00
	SIGNAGE - DIRECTIONAL, SAFETY (EXACT LOCATIONS TBA)	3	EA	\$ 250.00	\$ 750.00
	INFORMATIONAL SIGNAGE INSTALLATION	3	EA	\$ 1,350.00	\$ 4,050.00
	TRAIL ENTRANCE SIGN	1	EA	\$ 1,800.00	\$ 1,800.00
	MEADOW AREA REHABILITATION (DEFINE SHAPE AND MOW)	1	LS	\$ 600.00	\$ 600.00
	INVASIVE SPECIES REMOVAL	1	LS	\$ 500.00	\$ 500.00
	SIGHT DISTANCE IMPROVEMENTS (TREE REMOVAL, GRADING)	1	LS	\$ 1,500.00	\$ 1,500.00
	BENCH, MADE FROM CUT LOGS - REST AREAS ALONG TRAIL	3	EA	\$ 425.00	\$ 1,275.00
	ABANDON EXISTING TRAILS/ ACCESS ROADS (BLOCK ACCESS WITH CHAINS)	4	EA	\$ 75.00	\$ 300.00
	TRAIL MARKERS, & TREE ID TAGS 4"x 4" RECYCLED PLASTIC - ALONG TRAIL	100	EA	\$ 5.00	\$ 500.00
	PROPOSED 18" SPUR TRAIL - CLEAR & GRUB, LEVELING + MINOR REGRADING	2530	LF	\$ 3.00	\$ 7,590.00
	EXISTING 5' TRAILS TO BE UPGRADED	1500	LF	\$ 1.00	\$ 1,500.00
	PROPOSED 5' TRAILS - CLEAR & GRUB, LEVELING + MINOR REGRADING, HARDEN TRAIL WITH GRAVEL/ROCK IF NEEDED	4950	LF	\$ 5.00	\$ 24,750.00
	EVERGREEN TREES FOR SCREEN	12	EA	\$ 450.00	\$ 5,400.00
	SHELTER IN MEADOW	1	EA	\$ 5,500.00	\$ 5,500.00
	PICNIC TABLE	2	EA	\$ 900.00	\$ 1,800.00
	PROFESSIONAL SERVICES (CONSTRUCTION DRAWINGS, PERMITS, EDUCATIONAL INFORMATION, SIGN DESIGN, ETC.)	1	LS	\$ 4,250.00	\$ 4,250.00

PHASE TWO (P2) COST ESTIMATE: BRIDGE PRESERVE SOUTHERN PARCEL					
BASE BID					
Detail	Line Item Description	Estimated Quantity (EQ) and Units		Unit Cost (UC)	Total Cost (EQ x UC)
TOTAL:				\$ 62,125.00	
	BOULDERS FOR TRAIL HEAD, RELOCATE FROM DINGMAN TOWNSHIP PARK	9	EA	\$ 50.00	\$ 450.00
	GRADING FOR TRAIL HEAD, ACCESS ROAD	4800	SF	\$ 0.35	\$ 1,680.00
	GRAVEL, NO.2A, 4" DEPTH (FOR PARKING LOT AND ACCESS ROAD)	60	CY	\$ 65.00	\$ 3,900.00
	TRASH RECEPTACLE	3	EA	\$ 500.00	\$ 1,500.00
	SIGNAGE - DIRECTIONAL, SAFETY (EXACT LOCATIONS TBA)	3	EA	\$ 250.00	\$ 750.00
	INFORMATIONAL SIGNAGE INSTALLATION	3	EA	\$ 1,350.00	\$ 4,050.00
	TRAIL ENTRANCE SIGN	1	EA	\$ 1,800.00	\$ 1,800.00
	MEADOW AREA REHABILITATION (DEFINE SHAPE AND MOW)	1	LS	\$ 1,200.00	\$ 1,200.00
	INVASIVE SPECIES REMOVAL	1	LS	\$ 900.00	\$ 900.00
	SIGHT DISTANCE IMPROVEMENTS (TREE REMOVAL, GRADING)	1	LS	\$ 1,100.00	\$ 1,100.00
	BENCH, MADE FROM CUT LOGS - REST AREAS ALONG TRAIL	3	EA	\$ 425.00	\$ 1,275.00
	ABANDON EXISTING TRAILS/ ACCESS ROADS (BLOCK ACCESS WITH CHAINS)	2	EA	\$ 75.00	\$ 150.00
	TRAIL MARKERS, & TREE ID TAGS 4"x 4" RECYCLED PLASTIC - ALONG TRAIL	100	EA	\$ 5.00	\$ 500.00
	PROPOSED 18" SPUR TRAIL - CLEAR & GRUB, LEVELING + MINOR REGRADING	4200	LF	\$ 3.00	\$ 12,600.00
	EXISTING 5' TRAILS TO BE UPGRADED	1570	LF	\$ 1.00	\$ 1,570.00
	PROPOSED 5' TRAILS - CLEAR & GRUB, LEVELING + MINOR REGRADING, HARDEN TRAIL WITH GRAVEL/ROCK IF NEEDED	3180	LF	\$ 5.00	\$ 15,900.00
	EVERGREEN TREES FOR SCREEN	5	EA	\$ 450.00	\$ 2,250.00
	BIRDBLINDS IN MEADOW	3	EA	\$ 1,500.00	\$ 4,500.00
	PICNIC TABLE	2	EA	\$ 900.00	\$ 1,800.00
	PROFESSIONAL SERVICES (CONSTRUCTION DRAWINGS, PERMITS, EDUCATIONAL INFORMATION, SIGN DESIGN, ETC.)	1	LS	\$ 4,250.00	\$ 4,250.00



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# NEXT STEPS

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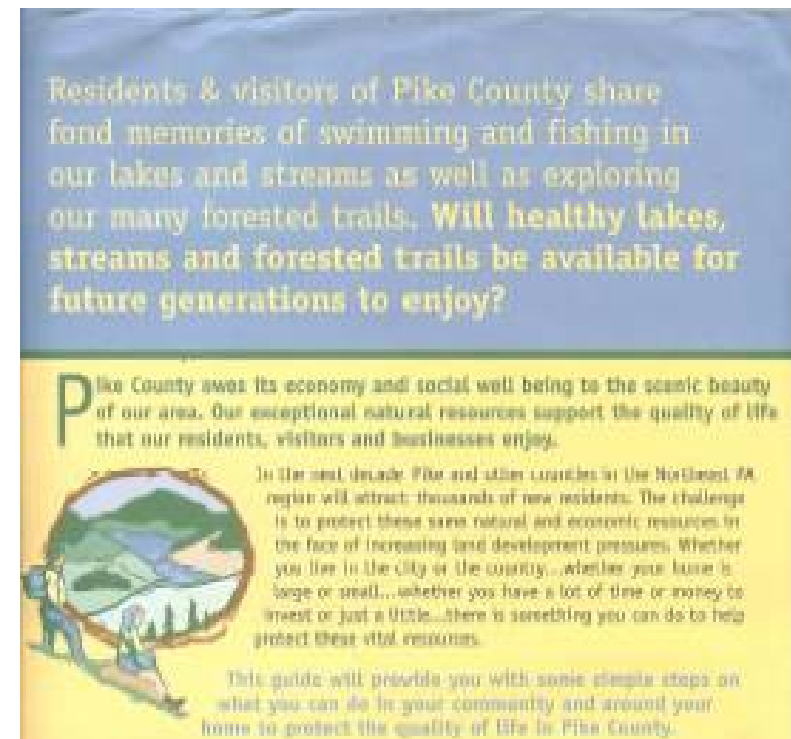
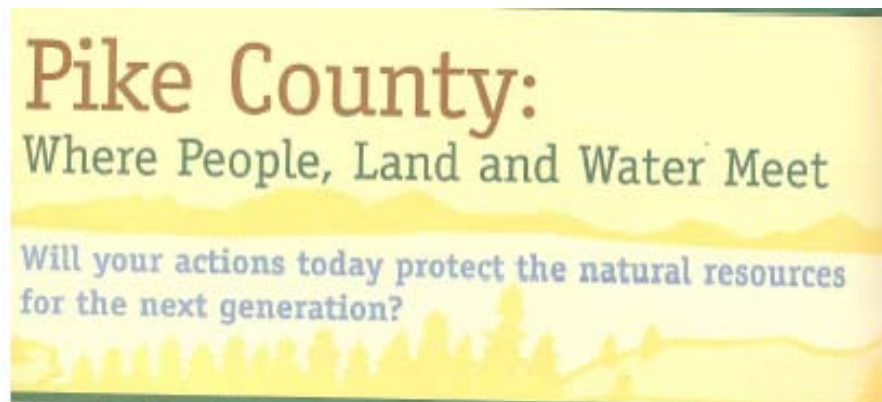


# FUNDING AND DEVELOPMENT

## → STAY TRUE TO PARK AND COUNTY GOALS

The planning for passive recreation on the Bridge Preserve is compatible with:

- the Conservation Easement through the North American Lands Trust (2007)
- the Route 6 Scenic Byway
- the Pike County (2006) and Dingman Township (1999) Comprehensive Plans
- the Milford Borough/Milford Township Joint Comprehensive Plan
- the Pike County Open Space, Greenways & Recreation Plan (currently under development)
- the Milford Water Authority's Source Water Protection Plan (2006).





# FUNDING AND DEVELOPMENT

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→ APPLY FOR GRANTS



## What is a Conservation Landscape?

The Conservation Landscape Initiative is a place-based strategy for natural resource stewardship and advocacy in key landscapes across our state where there are strong natural assets and local readiness and support for land conservation, locally-driven planning, and community economic revitalization efforts.



**Pennsylvania Environmental Council  
Pocono Forest and Waters Conservation Landscape  
Conservation Assistance Program Block Grant Application  
2009-2011  
(Due October 22, 2009)**



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# ? QUESTIONS ?

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