

MOUNT APATITE

MULTIPLE USE
RECREATION PLAN

AS RECOMMENDED BY

THE MOUNT APATITE
STUDY COMMITTEE

1991

MOUNT APATITE MULTIPLE USE RECREATION PLAN

OVERVIEW:

The Mount Apatite Mayor's Advisory Committee, appointed by Mayor Richard Trafton on February 21, 1991, was charged with the responsibility of developing a Multiple Use Recreation Plan for Mount Apatite Park. The plan was to inventory the land to determine its attributes; develop a plan to include both long range and short range improvements; to include the cost of these capital improvements as well as potential funding sources, local, state, federal, and private. To consider organizational arrangements between private and public entities for both development and maintenance of improvements and to consider future land acquisition and boundary adjustment to allow park lands to have their highest and best use. The plan was also to consider the current and future recreational demand in Auburn and to promote a community discussion as to how to meet these demands.

The committee is pleased to report its recommendations to Mayor Trafton that address his charge and designing this area to include amenities appropriate for the various groups that use the park in the future. We applaud Mayor Trafton for his commitment to open space and development for future city recreation for our citizens, and are excited for the opportunity to participate in the implementation of this plan. Please accept this recommendation as an indication of our sincere interest in working with you in the future on this project.

COMMITTEE MEMBERS

Marcy Covey	Steven Wright	Philip Savignano
Wendy Tardif	Kristin Gatz Kannegieser	Denis Bergeron
Joe Dumais	Paul R. Bernard	Tom Kendall
Norris Ingersoll	Dr. Peter Elias, Chairman	

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Section A

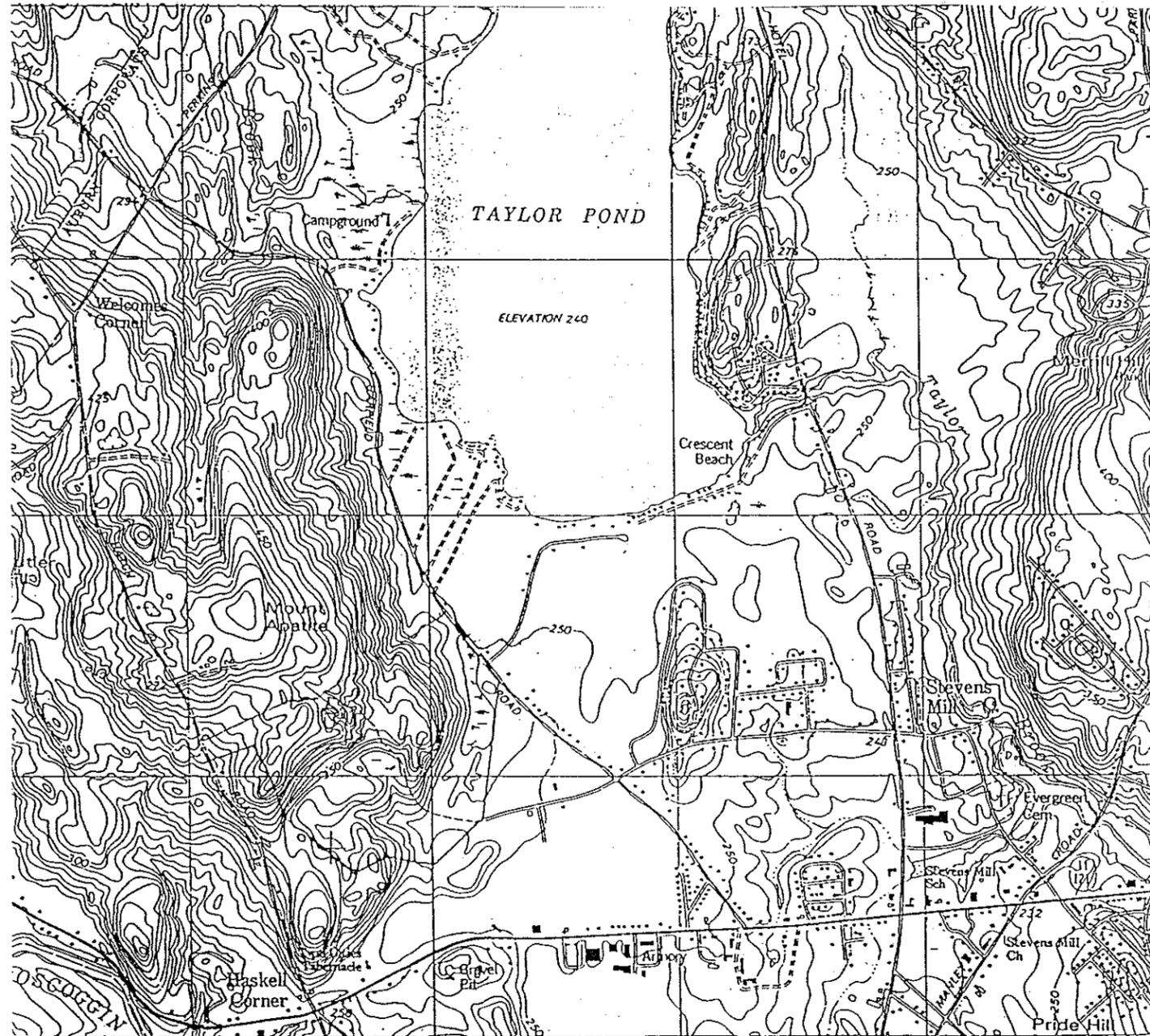
MOUNT APATITE LOCATION

Location Map

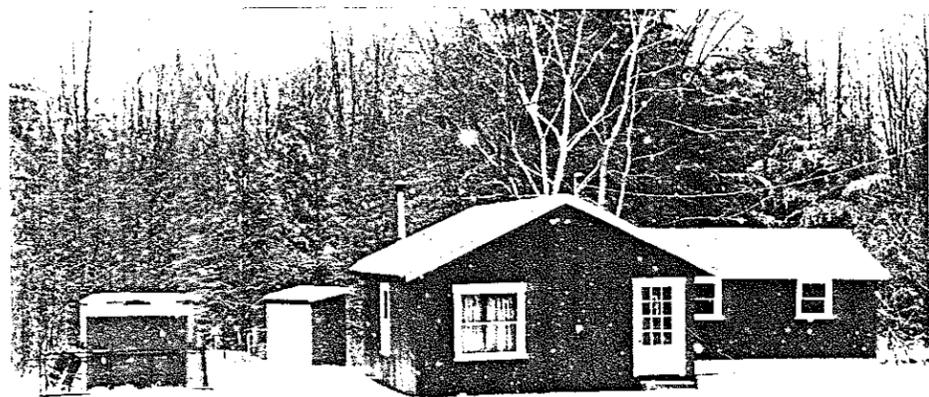
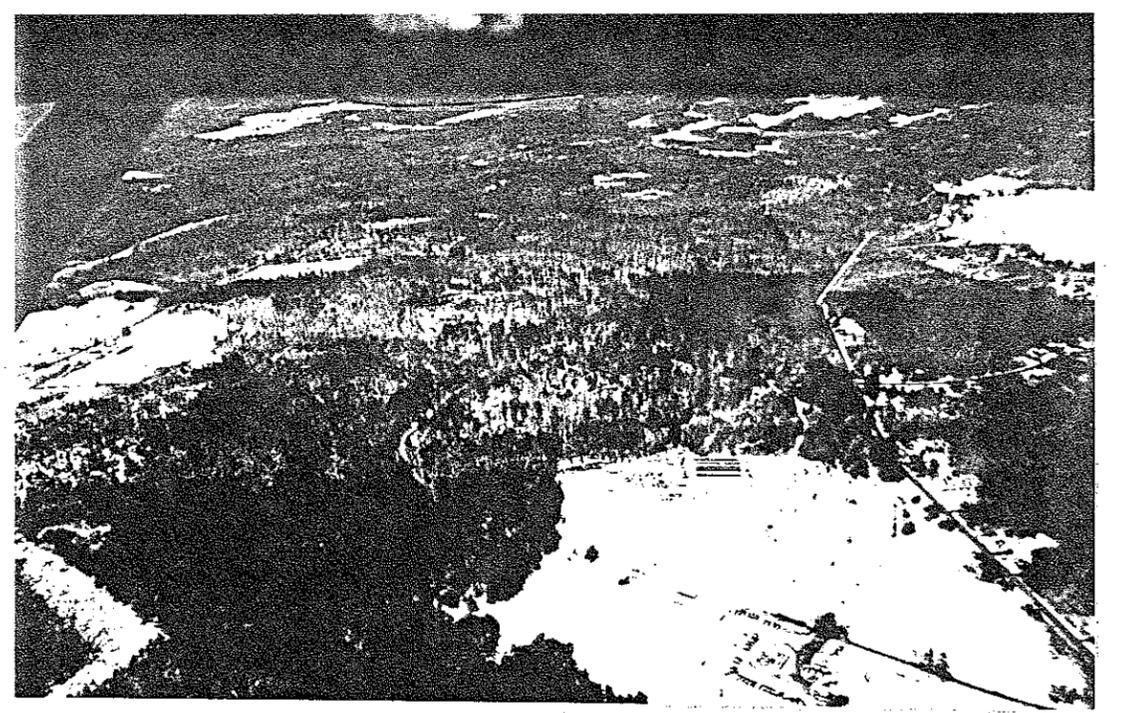
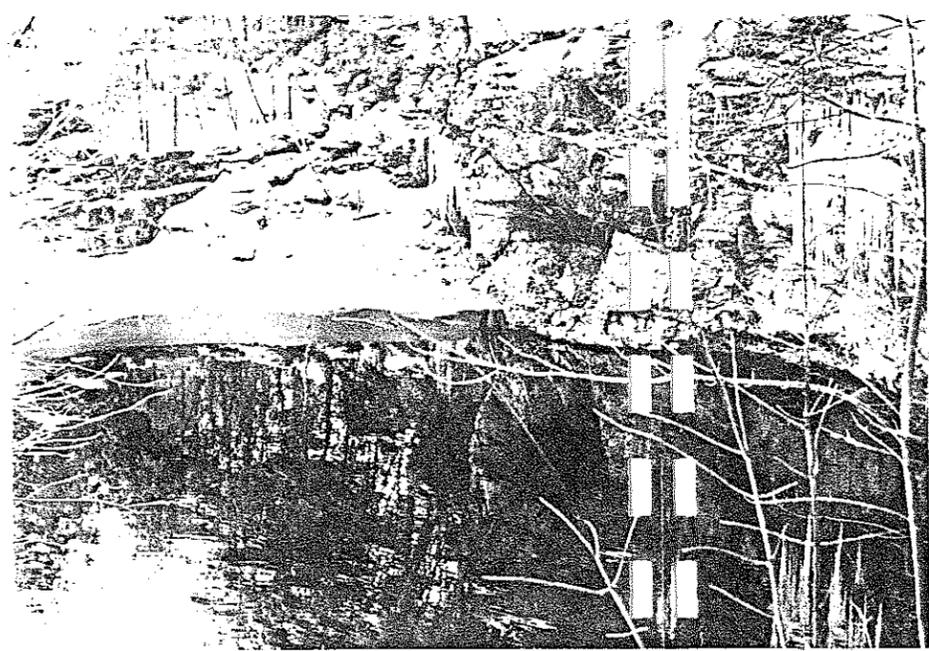
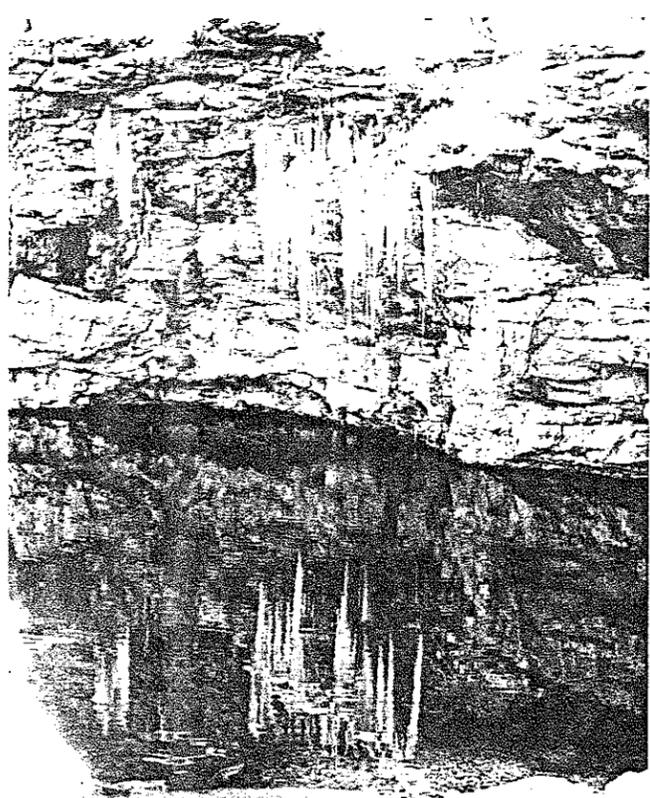
Area Pictures

MOUNT APATITE LOCATION

Mount Apatite is located south of Taylor Pond in Auburn, Androscoggin County, Maine (USGS 7.5 minute topographic map, Minot quadrangle). The access road is the Stevens Mills Road, located off the Garfield Road, approximately 1 mile north of Rt. 11. The property is bounded to the east by Garfield Road and to the west by Hatch Road. Approximately 75% of the site is situated in the uplands on the slope of Mount Apatite and 25% on an outwash plain that is located at the southern end of Taylor Pond.



Map provided by: University of Maine, College of Forest Resources.



3.



4.

Section B

HISTORY OF
PRESENT FACILITY

Mt. Apatite Mineralogical Composition

Map of Archaeological Sites

Mining Activity

City Acquisition

Register of Critical Areas

Development

Lease Agreements

Memorandum of Agreement

HISTORY

Mount Apatite Mineralogical Composition

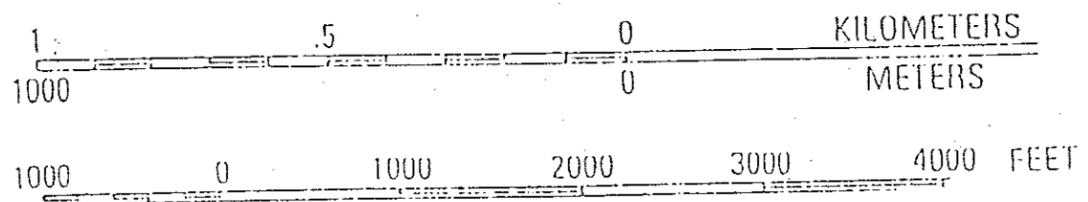
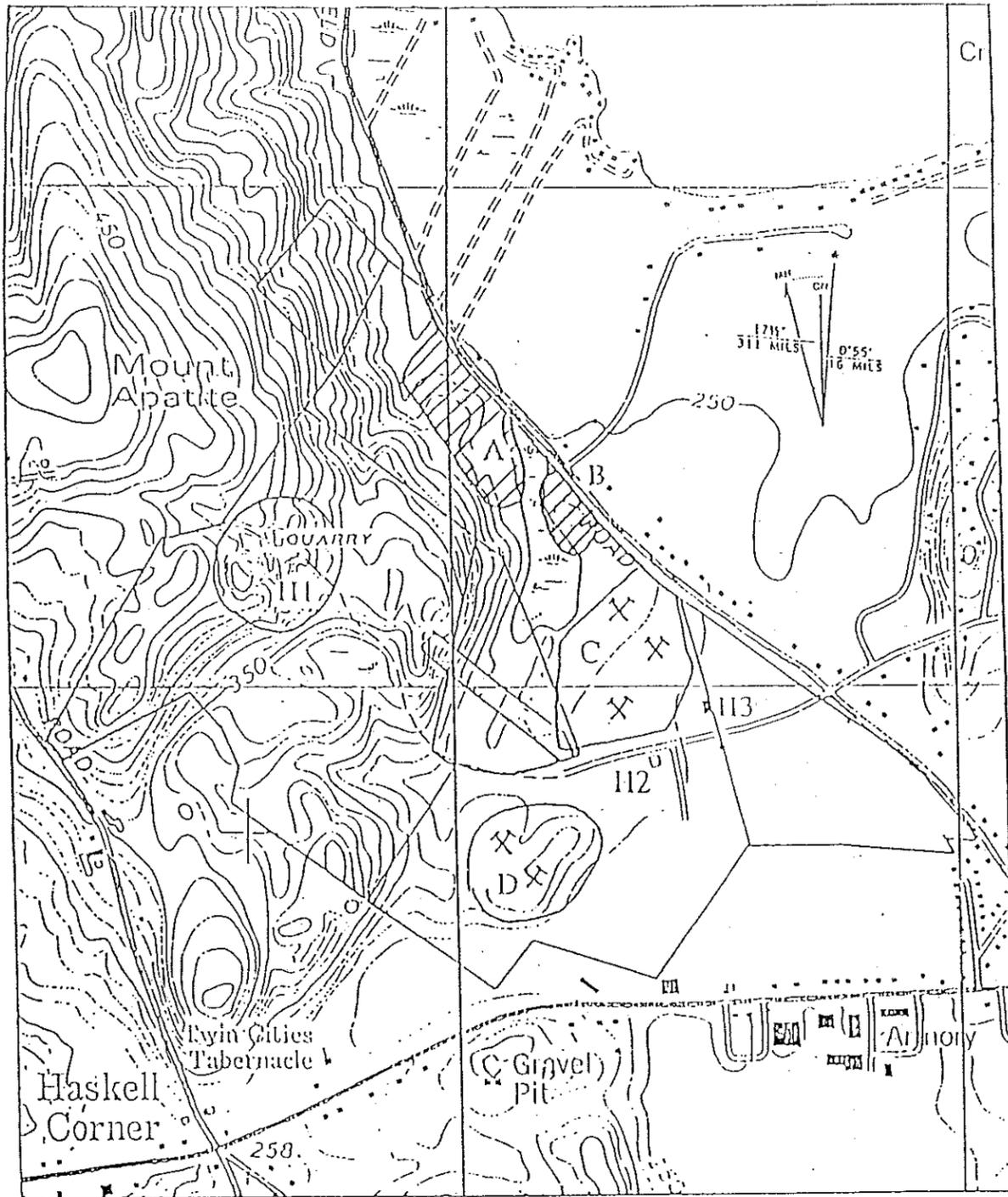
The area in Auburn known as Mount Apatite in Auburn is honey-combed with pits and small prospects which are situated on either side of the Hatch Road. Records indicate that three specimens of tourmaline from the Mount Apatite area were added to the collection of Maine's State Geologist in 1839. Exploratory mining of this sector began as early as 1868.

The names of Pitt P. Pulsifer, John S. Towne, Loren B. Merrill, Nathaniel U. Greenlaw, and William R. Wade are all associated the work which has been done at Mount Apatite. The complex of quarries here have produced significant amounts of gem tourmaline, purple apatite, and other minerals as well as substantial amounts of feldspar. Thus, Mount Apatite and it's mineral wealth is familiar to collectors all over the world.

During the mining of Mount Apatite, just after the turn of the century, a tremendous crystal of smokey quartz was discovered in the ledge. This massive crystal is approximately nineteen and one-half inches long, and nine inches thick. This remarkable smokey quartz crystal is on display at Perham's of West Paris.

Since the mining at Mount Apatite began in 1883, some exceptional gems have been faceted from the tourmaline harvested from these ledges. The American Museum of Natural History in New York City displays an exquisite rectangular stone weighing 11.87 carats which was cut from Mount Apatite tourmaline.

ABORIGINAL ARCHAEOLOGICAL SITES



Mining Activity

In 1902, an area on the Hatch Farm was leased by Maine Feldspar Company of Auburn who immediately began mining for feldspar. The material they mined was of very good quality and the production was substantial. This spar was needed to maintain the processing plant they had established nearby at Littlefield's Station in 1897. The Maine Feldspar Company mined an average of one hundred fifty tons of spar each month, and their operation continued for many years. This feldspar was an essential material for the ceramic industry. High grade feldspar is the key ingredient in the production of translucent chinaware of fine quality. Feldspar produced in Maine was transported via ship to porcelain and china factories in England. Since the Maine Feldspar Company ceased their operations early in the 1930 era, there has been no further mining of this location. Collectors nationwide continue to explore the dumps searching for gems and many nice specimens have been found.¹

City Acquisition

During the early 1970's, the City of Auburn acquired approximately 300 acres of open space for future recreational use that comprises the Mount Apatite park at a cost to the city of \$100,000.00.

Register of Critical Areas

The Mount Apatite quarries were listed as critical area #92 in December of 1977, and the principal management recommendation was that the area should not be used for purposes that would preclude access to the bedrock features. This recommendation would not seem to bar digging in the quarry tailings for gems and minerals, which is a very popular activity at the site. Ironically, this recommendation is somewhat at odds with the preservation of historic resources at the site, but it may be appropriate that the site is more valued as a unique geological and recreational area than as an industrial site.

¹ Maine's Treasure Chest, Gems and Minerals of Oxford County, Jane C. Perham, Quicksilver Publishers, West Paris, Maine

In summary of historic period cultural resources, three nineteenth century structures within the project area are located in areas of substantial development. It is possible, but not demonstrated, that some structural remains of these buildings exist, but associated land use patterns are almost certainly heavily disturbed. Unless further documentation of the twentieth century mining operation is recommended by the MHPC, before being further disturbed by "gem²hunters", then no further work is recommended for this area.

Development

The development of Mount Apatite has been minor since it's purchase. The City of Auburn did receive a grant of \$2,500.00 in 1976 for the construction of snowmobile trails, a snowmobile shelter, picnic grounds, and sanitary facilities. This effort was coordinated with the Andy Valley Snow Gypsies Snowmobile Club who had interest in the development of inter-city snowmobile trails.

Development continued that year with the help of CETA employees, who worked on trail clearing, safety wall construction around the quarry areas, and construction of park entrance signs.

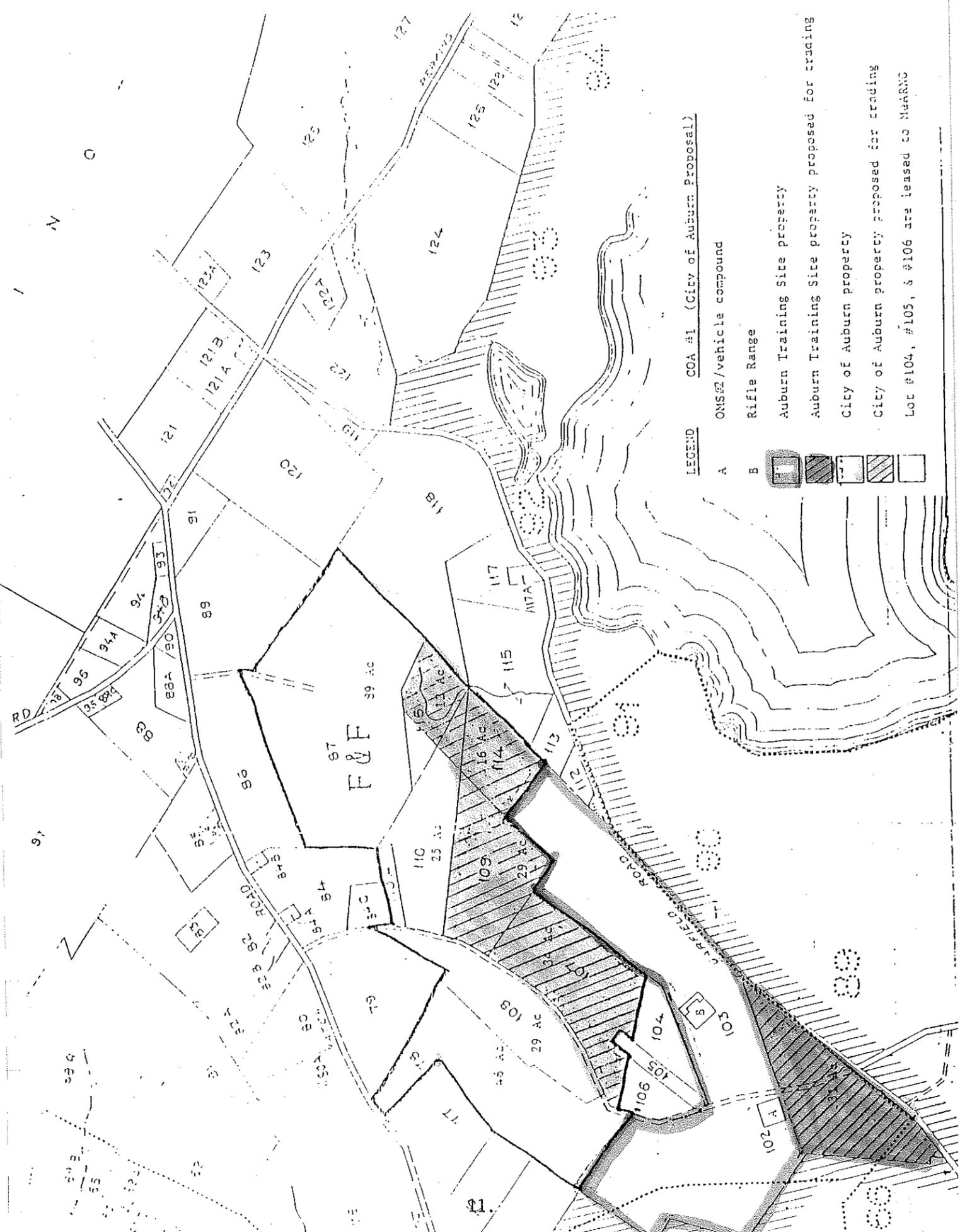
Lease Agreements

The Auburn City Council and the Andy Valley Snow Gypsies Snowmobile Club entered into a Lease Agreement on July 18, 1977 that allowed the snowmobile club to construct a clubhouse on the site and to construct park snowmobile trails. This agreement was for a period of five (5) years, automatically renewed for additional one year terms, unless either of the parties give notice of termination.

² University of Maine, Farmington Archaeological Research Center

The City of Auburn and the United States Army agreed to a land exchange on March 3, 1989 that allowed the City of Auburn to acquire 42.5 acres of National Guard property in exchange for 104.5 acres of city owned property for the construction of the Auburn Suburban Little League baseball fields and a multi-purpose area for community recreation. This ratio was determined based on the assessed value of the two parcels. The Maine National Guard allows public use of their property at Mount Apatite except during periods of training (see Section D, Regional Analysis, pgs. 21 & 22, Memorandum of Agreement.) The Mount Apatite Committee and the Maine National Guard have coordinated site planning in this recommendation to maximize development resources for public use of both properties. Thirty-one acres of property that includes Auburn Suburban Little League fields and city recreation area is presently authorized by Maine National Guard License. (Expiration Date: 1995).

The City of Auburn leased to Auburn Suburban Little League on February 13, 1989 the premises located on the westerly side of the Garfield Road and bounded on the southeast by the CMP line, on the west and northwest by land of the National Guard, and on the north by the Stevens Mills Road extension. This lease is for a period of twenty-five (25) years with a right to renew for an additional twenty-five (25) years.



LEGEND COA #1 (City of Auburn Proposal)

- A ONS#2/vehicle compound
- B Rifle Range
- Auburn Training Site property
- Auburn Training Site property proposed for trading
- City of Auburn property
- City of Auburn property proposed for trading
- Lot #104, #105, & #106 are leased to MARRMC



Section C

RESEARCH

Users

Media Press Release

Community Questionnaire

Questionnaire Response

Special Interest(s) Meetings

RESEARCH

Users

Mount Apatite research centered around understanding the needs and desires of the people who are involved in and affected by the proposed project and knowing everything reasonably possible about the project functions. Site research also included consideration of park neighbors and general public who will be affected by the project, either physically or programmatically, and future operation, maintenance, and programming of facilities.

During March of this year, committee members initiated three methods of developing a needs assessment to determine present and future uses of the park area:

1. Media press release
2. Distribution of a community questionnaire
3. Invitations to known user groups to attend a series of meetings to discuss their views for future park development considerations.

Committee wants ideas on Mt. Apatite land

By DAVE BOARDMAN
Sun-Journal Staff Writer

AUBURN — An advisory group formed to come up with conceptual plans to develop recreation areas on about 235 acres of city-owned Mt. Apatite land is looking for ideas from residents on how to use the property.

The city has owned the land for 20 years but has done only limited development on the property to encourage recreational uses.

The Mt. Apatite Recreation Committee met for the first time Monday to try to develop a strategy to encourage use of the land. Ideas so far have included developing cross-country skiing trails, biking paths and continued access for snowmobilers, but committee members said they wanted public input before developing any plans.

"One of the goals is that we can draw some public attention to this piece of land," Mayor Richard L. Traflet told the committee Tuesday.

Members said they planned to draft a questionnaire at their next meeting to circulate to Auburn residents through city schools to gather ideas on using the land.

"I think we've really got to reach out to the community at this point," member Thomas Kerdall said. "We're really looking for ideas right now."

Members urged residents to call the Parks and Recreation Department at 784-0191 to make their suggestions. The panel plans to meet each Thursday at 7 p.m. at the Hasty Memorial Armory in Pettengill Park.

Mt. Apatite had been the site of commercial feldspar and gem quarries but now attracts rockhounds from the east coast who continue to search for minerals among the abandoned quarries. The area is listed on national geological directories.

But Mt. Apatite's renown among rockhounds could also come to an end.

Parks and Recreation Department Director Norris Ingersoll said the quarries might be included in

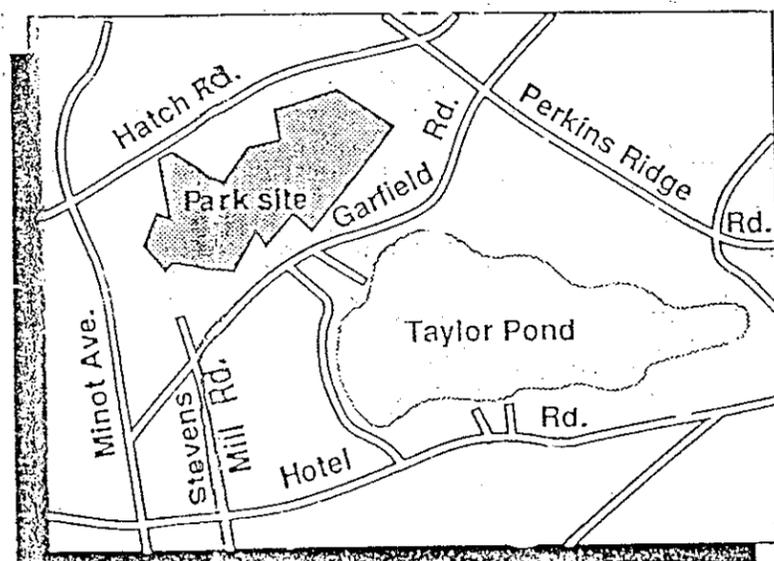
a land swap being negotiated with the Maine Army National Guard in an effort to establish a permanent home for the Auburn Suburban Little League.

The city two years ago had asked the Guard to swap nearly 40 acres of their land off Garfield Road for an identical size of city-owned land nearby. An early part of the deal gave the city a five-year lease on Guard's land for the ball fields.

But after Army assessors evaluated both tracts of land, they said the city's property was worth \$2,000 per acre, while the Guard's land was worth \$6,000 per acre, changing the even land swap to a deal that now requires the city to give 104.5 acres for the Guard's 42.5 acre tract.

Ingersoll said Army Corps of Engineers surveyors are now determining how far those 104.5 acres extend, and said he does not know whether the quarries would be included in the deal.

Committee members Tuesday said they also wanted to find out what the Guard planned for their land, which borders the city park.



Source: Department of parks and Recreation Leo Baillargeon/Sun-Journal



Mount Apatite

Auburn's Mount Apatite Committee met recently to review future design plans for the recreational area planned for Mount Apatite off Hatch Road. Capt. Bill Sawyer of the Maine National Guard attended the meeting because some of the suggested trail system is on Guard property. The current policy is to allow public use of National Guard property except during the scheduled drill periods. He also told the committee the National Guard may be able to assist the committee with project construction.

MT. APATITE STUDY COMMITTEE
QUESTIONNAIRE

Mayor Trafton has appointed an Advisory Committee to study and to recommend to the City Council a multiple use recreation plan for the land owned by the city on Mt. Apatite. This 250+ acre parcel of land, located between the Garfield and Hatch roads, is presently being utilized for mineral exploration, snowmobiling, and nature hiking. Please take a few minutes to help the committee assess future uses for this area.

Do you use the Mt. Apatite area for recreation?
(Check one) YES NO

A. If you checked YES, how have you used the area? _____

B. If you checked NO, are you familiar with the area known as Mt. Apatite? YES NO

What outdoor activities do you enjoy? (Check all interests)

<input type="checkbox"/> Snowmobiling	<input type="checkbox"/> Tennis	<input type="checkbox"/> Rockhounding
<input type="checkbox"/> Bicycling	<input type="checkbox"/> Archery	<input type="checkbox"/> Skating
<input type="checkbox"/> Snowshoeing	<input type="checkbox"/> Camping	<input type="checkbox"/> Climbing
<input type="checkbox"/> Horseback Riding	<input type="checkbox"/> Picnicing	<input type="checkbox"/> Walking
<input type="checkbox"/> Cross Country Skiing	<input type="checkbox"/> Hiking	<input type="checkbox"/> Birdwatching
<input type="checkbox"/> Orienteering	<input type="checkbox"/> Running	<input type="checkbox"/> Other

Would you be interested in speaking to the committee about your interests? YES NO

If yes, we would like to contact you. Please print:

NAME: _____

ADDRESS: _____

PHONE NUMBER: _____

How long have you been a resident of Auburn?

0-5 Years 6-10 Years 11-20 Years More than 20 years

Please return to:
Auburn Parks and Recreation Dept.
Hasty Community Center
Pettengill Park
Auburn, Maine 04210

MOUNT APATITE QUESTIONNAIRE SUMMARY

APRIL, 1991

SNOWMOBILING	15
BIKING	76
SNOWSHOEING	18
HORSEBACK RIDING	21
CROSS COUNTRY	48
ORIENTEERING	7
TENNIS	31
ARCHERY	9
CAMPING	67
PICNICKING	74
HIKING	70
RUNNING	28
ROCKHOOUNDING	30
SKATING	58
CLIMBING	35
WALKING	76
BIRDING	36

NOTES: A total of 156 responses were received to the committee's questionnaire which was distributed to the community through the Auburn School Department. Of those responding, 28% were familiar with the Mt. Apatite area, and 26% indicated that they had used the facility for hiking, rockhounding, walking, snowmobiling, picnicking, biking, cross country, 3 wheeling, climbing, mineral exploration, animal watching, bird watching and outings. Suggestions were made for other facilities to be included in the area for skateboarding area, basketball, and playground equipment.

Special Interest(s) Meetings

Agencies/Individuals

Interest(s)

Stanton Bird Club

Jamie Hayward recommends use of Mount Apatite for an expanded environmental education resource for Auburn/Lewiston students.

Dr. Roy Farnsworth

Dr. Farnsworth, former chairman of the Open Space Committee that was instrumental in the purchase of Mount Apatite, explained that the intent of the purchase was to provide recreational opportunities for hiking, snowmobiling, skiing, bird watching, and mineral collection. Dr. Farnsworth is very concerned that minerals at the park be preserved for small rock hounding enthusiasts.

Dr. Ben Lounsbury

Dr. Lounsbury spoke in behalf of Auburn cross country skiers and the need for city cross country ski trails.

Chuck Davis

Mr. Davis, ski coach for the Auburn Middle School explained to the committee that there is a need for facilities for School Department cross country ski programs.

Jack Wiseman

Mr. Wiseman visits Mount Apatite regularly to rock hound and is interested in continuing this activity. He stressed that vandalism in the area would decrease with more public use.

Romeo Blouin

Mr. Blouin also indicated a strong interest in mineral exploration as a future use.

Kelley Perpich

Mrs. Perpich and her family frequently use Mount Apatite for hiking. She has concerns regarding the present ATV activity at the park.

Tom Wenzel

Mr. Wenzel testified to a need for public lands in the city for skiing and hiking.

Barbara Mitchell

Ms. Mitchell and her family use the area for hiking and picnics. She voiced concerns relative to danger of the quarries.

ELHS Athletic Director

Mr. John White, Athletic Director at Edward Little High School indicated that there is a need for city owned cross country ski trails for interscholastic skiing.

Auburn Archery Club

Club members presented to committee members the proposal for an outdoor archery range. Representatives pointed to the fact that there are fifteen hundred registered bow hunters in the L/A area. They suggested that a target range be developed at Mount Apatite for archery competition.

Mt. Apatite Snow Gypsies

Club members explained to the committee that the Mount Apatite Park afforded an opportunity for brief periods of snowmobiling and also acted as a connector to other regional snowmobile trails.

Section D

REGIONAL ANALYSIS

Neighbors

Area to be Serviced

REGIONAL ANALYSIS

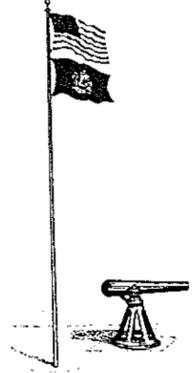
Neighbors

Although the individual Mount Apatite neighbors' properties are not included in the park design, committee members wanted to take into consideration their concerns and needs in future development of Mount Apatite. The general consensus of the abutters is that future development be limited to it's present uses, hiking, picnicking, snowmobiling, rock hounding, jogging, and cross country skiing. All have experienced problems with AT's, trail bikes, and general vandalism in the area.

The committee members met with the Maine National Guard on June 10, 1991 to discuss committee development plans and future National Guard plans for development of their property. The National Guard reported they are presently preparing an environmental assessment and comprehensive recreation and wildlife management plan for their Mount Apatite property. The Maine National Guard utilization of the area involves only summer training activity. Bi-monthly shooting training will take place at their baffled range and heavy equipment training will occur in a section near their Stevens Mills Road facility. Guard officials reported that the perspective of the federal government and the Maine National Guard regarding federal properties is to foster and encourage general public use.

The committee discussed with Guard officials the possibility of using the existing Stevens Mills Road extension as a point of access for park users. The National Guard's legal advisor stated there was not a foreseeable problem to drafting a formal easement that would allow this.

The National Guard is also interested in conducting biathlon training at the site and will include ski trails in their recreation plan. They are interested in collaborating on trail development. There was a general agreement at the conclusion of this meeting that the City of Auburn and the Maine National Guard should pursue area development cooperatively.



DRAFT

Military Bureau

HEADQUARTERS, MAINE NATIONAL GUARD

CAMP KEYES ★ AUGUSTA, MAINE 04333-0033 ★ (207) 622-9331 ★ AUTOVON 476-4210

REPLY TO
ATTENTION OF:

MEMORANDUM OF AGREEMENT

BETWEEN

MAINE ARMY NATIONAL GUARD

AND

THE CITY OF AUBURN

SUBJECT: Public Recreational Use of the Auburn Training Site

1. This MEMORANDUM OF AGREEMENT authorizes the City of Auburn and the general public, hereinafter "CITY", to utilize portions of the Auburn Training Site, Auburn, Maine, for year-round recreational use. The Auburn Training Site is owned by the Maine Army National Guard, hereinafter "GUARD".

2. Site utilization will be in accordance with design plans approved by the CITY and the GUARD.

3. The GUARD shall not be responsible to the CITY, their agents or servants, by reason of the condition of the premises, including latent defects, and the CITY agrees to hold the GUARD harmless from liability therefore. Nothing herein shall effect any liability of the GUARD to the CITY, their agents and servants, for any personal injury.

4. The CITY may, at their own risk, use said premises during the term of this Agreement, for public recreational activities.

5. All CITY owned structures, equipment, and disposable items shall be removed with fifteen (15) days following termination of this Agreement. The CITY shall consult with the GUARD, who may, at its sole option, waive the necessity for restoration or removal of any said improvements or structures by the CITY.

6. Pursuant to the above, this agreement is drawn up to show the intent of both parties, and an annual revalidation is required. Signatures are required and fully executed copies will be provided to both parties.

7. This agreement will remain in effect until revoked by both parties.

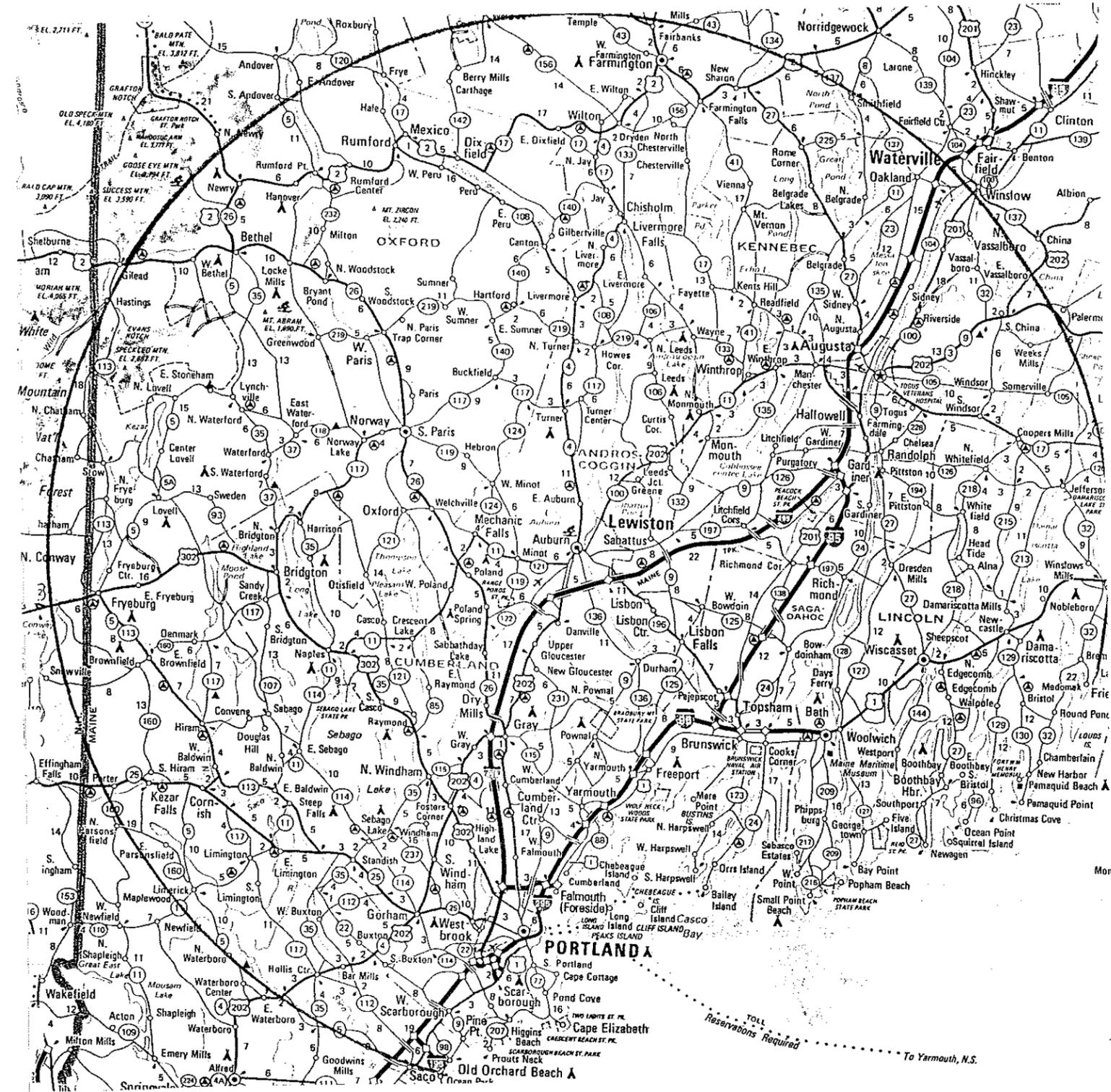
Steve Lewis
City Manager
City of Auburn

Nelson E. Durgin
Brigadier General, Maine Air
National Guard
The Adjutant General

Date Signed: _____ Date Signed: _____

Area to be Serviced

Committee members examined the population of a geographic area that included a driving time of 1 hour for day use of the park. They determined the extent of the area served will be affected by the uniqueness of the facilities, availability of similar facilities at other sites within the service area, promotional efforts, and the city's future policy regarding resident/non-resident use of Mount Apatite.



Section E

SITE ANALYSIS

Flora

Fauna

Soil Conditions

Existing Facilities

Geology

Topography

Recreation Programming

SITE ANALYSIS

Flora

Mt. Apatite flora are representative of all regions found across Central Maine where plant succession has typically responded to human activity over the years. Much of the park area was used for farming and pasture until recent years, as is evident in the remaining fields in the northern section of the park. Forest growth ranges from 80-100 years growth in some section of the park to less than 10 years growth in other sectors. Plant growth begins typically with Field Juniper, Gray Birch and Alders, gradually filling in with more permanent White Pine, Red Maple, Red Oak, White Ash, White Birch, Beech, Yellow Birch, Brown Ash and Hemlock.

Stand Description

<u>DOMINANT TREES</u>	<u>SHRUB LAYER</u>	<u>HERBACEOUS LAYER</u>
White Pine	Balsam Fir	Aralia
Red Maple	Red Maple	Mayflower
Red Oak	Red Oak	Wintergreen
White Ash	Beech	Club Moss
Beech	Cherry	Starflower
White Birch	Basswood	Bracken Fern
Yellow Birch	White Pine	Sassafras
Gray Birch	White Ash	Skunk Cabbage
Brown Ash	Gray Birch	Golden Thread
	Yellow Birch	Poison Ivy
	Alder	

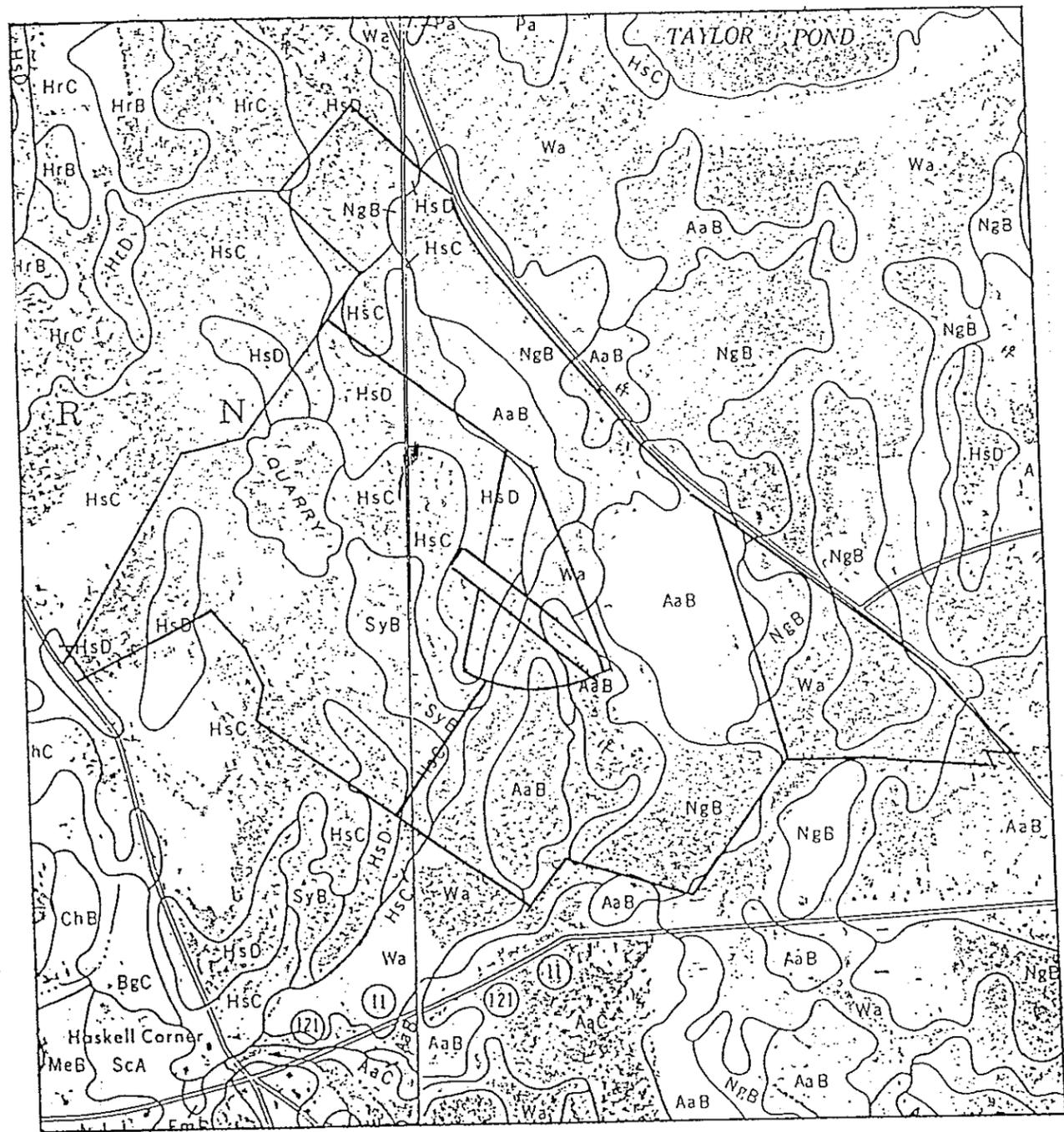
Fauna

The dedicated open space of the park will greatly favor the wildlife population and provide continued sanctuary for a broad variety of birds, mammals, and reptiles. Upland forests as well as wetlands provide suitable habitat for many small game species and furbearers, such as ruffed grouse, snowshoe hare, raccoon, red fox, and coyote. The habitat suitability for big game is limited due to the surrounding residential land use. The softwood stands offer limited winter cover for deer, while the hardwood understory supplies a source of browse. Deer will also utilize oak mast during the fall and winter months.

Soil Conditions

Soils at Mount Apatite are generally divided into upland deposits of till-derived Hollis very rocky, fine, sandy loam (Hs) outwash-derived Adams loamy sand (Aa). Lower and wetter outwash deposits include Ninigret fine, sandy loam (Ng) and Walpole fine, sandy loam (Wa).³

³ University of Maine, Farmington, Archaeological Research Center



SCS Soil Survey Map, McEwen, 1970

Existing Facilities

In consideration of existing facilities, the committee studied the following:

1. Access to the site
The park is accessible from Hatch Road and the Stevens Mills Road extension.
2. Circulation within the site
The Stevens Mills Road extension connects Garfield Road with the Hatch Road, but is in need of repair for vehicular use. Other inter-park connectors are snowmobile trails, or trails resulting from foot traffic.
3. Parking
Parking facilities are available at the newly constructed recreation complex on Stevens Mills Road.
4. Water Supply
There is city water on the Stevens Mills Road extension.
5. Sewage Disposal
There is city sewage in the area, but extends on the Stevens Mills Road to Sunderland Drive.
6. Electricity
Electricity is available on both the Stevens Mills Road extension and the Shillings Road.
7. Telephone Service
There are telephone lines on both access roads.
8. Existing Structures
Presently there are three structures on the property, 1) the city owned house on Shillings Road, 2) the Snow Gypsies building, owned by the snowmobile club, and 3) the multi-purpose building at the Little League fields, owned by Auburn Suburban Little League.

Geology

The upland area of Mount Apatite is not nearly an end result of erosional forces. The presence of steep slopes, ledge outcrops, and occasional (stacks) speaks to the highly resistant form of metamorphic rock. Erosion over the years, has removed most of the topsoil and loose particles, leaving an extremely hard and durable stone outcrop. These rocks were pushed up through the earth's crust thousands of years ago, and remain virtually unchanged in form today. Surrounding lowland areas are the products of glaciation, flooding, and sedimentation. Water flows down from the steeper pervious soils. The result has been development of extensive plains and wetlands.

Topography

The topography of the Mount Apatite park is very irregular. Elevations range from 300 ft. to over 500 ft. above sea level and include numerous steep inclines and ravines. There are several relatively large level areas at the northern section of the property. We find several quarries in the center of the property that contain standing water and mounds of mine tailings.

Recreation Programming

Committee members believe they have determined who the users of the park will be and recommend the following activities should be accommodated. These activities and facilities have been restricted to some degree by the park's physical parameters. It is also important to protect and enhance the habitats and micro environments of Mount Apatite for the edification and enjoyment of users. This may be achieved through the use of nature interpretation, demonstration areas and maintaining protected areas. Trails must encourage use through proper design, location, and signage, to avoid random use of the park area. Over development will create attractive nuisances such as ATV's and power bikes. The construction of too many fences, bridges, and other improvements will invite vandalism and deter from the natural experiences the park offers. The multi-purpose trail(s) system provides excellent recreational/educational opportunities for year-round use, as listed in the following activities listing. It will become a valuable year-round recreation facility for Auburn citizens.

Activities

Snowmobiling
Cross Country Skiing
Rock Hounding
Picnicking
Hiking
Orienteering
Horseback Riding
Jogging/Walking
Bird Watching
Biathlon Training/Shooting
Biking
Environmental Education

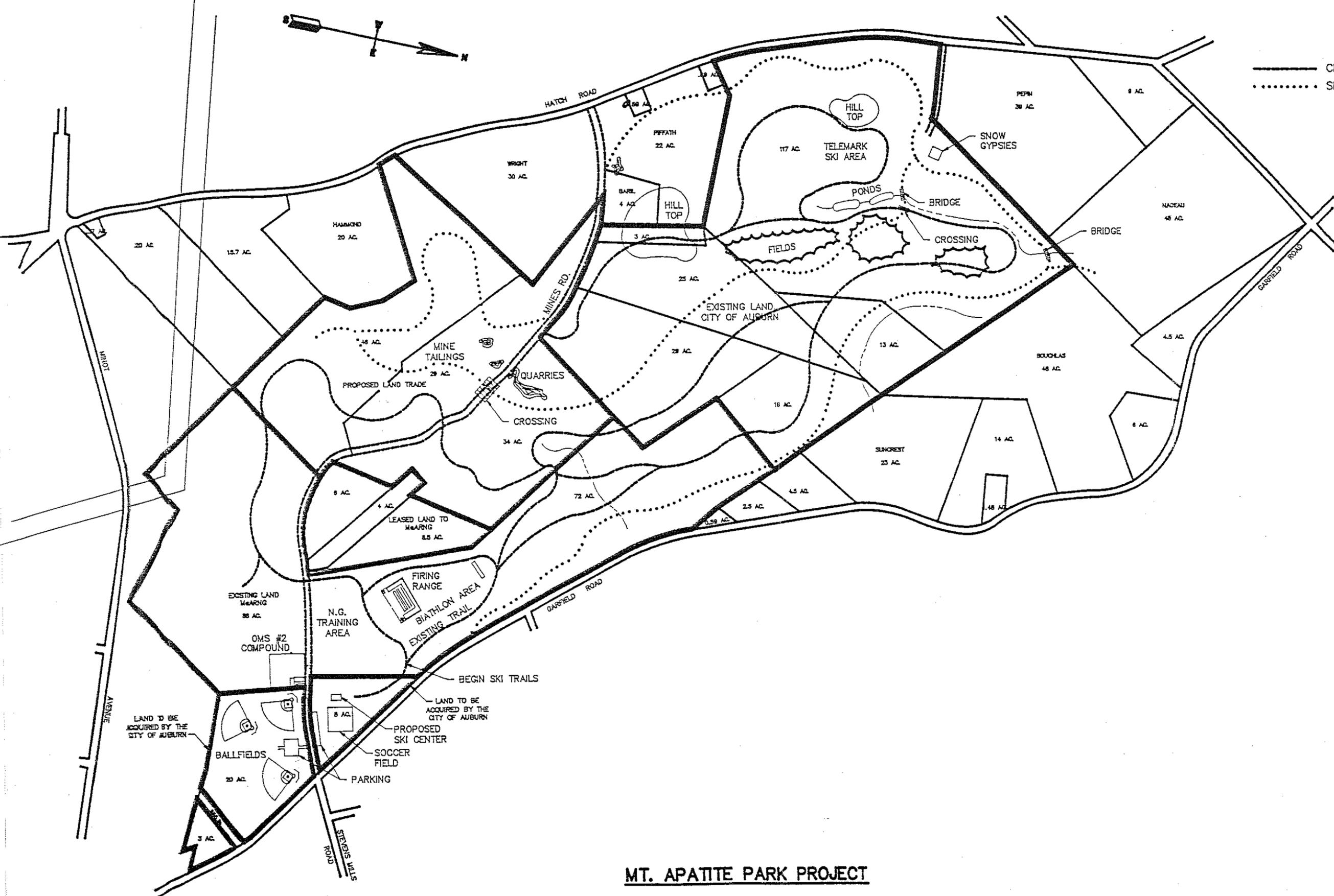
Facilities

Club House, Trails - 10K
Trails - 6K, Lodge
Fossil Quarries
Trails, Picnic Area
Trails
300 Acre Park Area
Trails
Trails - 6K
300 Acres/Bird Stations
Selected Areas
Trails - 10K
Fauna, Flora, Geology

RECREATION SITE PLAN

LEGEND

- CROSS COUNTRY SKI TRAIL
- SNOWMOBILE TRAIL



MT. APATITE PARK PROJECT

DEVELOPMENT CONSTRUCTION COSTS

PROJECT FUNDING

DEVELOPMENT PHASES

DEVELOPMENT CONSTRUCTION COSTS

1.	Timber Scaling/Tree Marking	1,500.00
2.	Multi-Purpose Recreation Trails (9K)	10,800.00
3.	Picnic Tables (10) Area Resources	1,600.00
4.	Park Grills (10) (Area Stone)	950.00
5.	Park Signs	600.00
6.	Access Road Repairs	2,500.00
7.	Construction of Quarry Safety Barriers	1,500.00
8.	Parking Facilities (Existing)	N/A
9.	Multi-Purpose Building	36,000.00
10.	Landscaping	800.00
11.	Septic System	8,000.00
12.	Water - Artisian Well	5,000.00

TOTAL CONSTRUCTION COSTS \$ 69,250.00

PROJECT FUNDING

We will offer our funding recommendations in the same order as the construction costs have been listed.

	IN-KIND SERVICES	CONTRACTUAL SERVICES/MATERIALS COSTS
1.	Timber Harvesting	\$ 1,500.00
2.	Multi-Purpose Trails (9K)	
	a. Materials	3,600.00
	b. Labor	\$7,200.00
3.	Picnic Tables (10)	
	a. Materials	900.00
	b. Labor	700.00
4.	Park Grills (10)	
	a. Materials	250.00
	b. Labor	700.00
5.	Park Signs	600.00
6.	Road Repairs	2,500.00
7.	Quarry Safety Barriers	1,500.00
8.	Parking Facilities (Existing)	N/A
9.	Multi-Purpose Building	36,000.00
10.	Landscaping	
	a. Materials	500.00
	b. Labor	300.00
11.	Septic System	8,000.00
12.	Water - Artisian Well	5,000.00
TOTALS	<u>\$8,900.00</u>	<u>\$60,350.00</u>

Definitions:

1. In-Kind Services
 - a. Volunteers
 - b. Maine National Guard
 - c. Maine Conservation Corps (Pending Application)

RECOMMENDED DEVELOPMENT PHASES (In-Kind services not included)

Phase I - FY 1992-93	\$10,850.00
Items 1 - 8	
Phase II - FY 1993-94	36,000.00
Item 9	
Phase III - FY 1994-95	13,500.00
Items 10 - 12	

PHASES RATIONALE:

Phase I

Year (1) work activities would clear and prepare the multi-purpose trails, clear picnic areas, and construct tables and grills; construct and place interpretive park signs, repair the emergency access road, and construct quarry safety barriers. First year activity would also include selection/marketing and selective cutting of park trees for development revenues. Revenues undetermined. This construction would allow extensive recreational park use during 1992-93.

Phase II

Year (2) work activities would include the construction of the multi-purpose building.

Phase III

Year (3) work activities would include the installation of water/sewer for the multi-purpose building and complete facility use during 1994-95.

