

Appendices

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A4. Geological Report and Map, Sheila Seaman

A5. Forest Report, Brayton F. Wilson

Gibavic Family Conservation Restriction										
baseline/monitoring data: Log of Contact with the Land Owner										
date of CR:7/10/2007, Book 05352, page 8										
baseline or monitoring	date of data collection	owner of property invited by + date	has owned property since	Family assisting in visits	RGT participants (1)	RGT participants (2)	Report Preparer	Additional participants	photos (#, film or digital?)	other documentation?
baseline	8/31/2006	Annette Gibavic	1952	Eva Beth Gibavic	Brooke Thomas	Matt Kelty	Mary Alice Wilson		digital	line, view special habitats
"	10/8/2006	Annette Gibavic		Eva Beth Gibavic	Glen Ayers		Mary Alice Wilson		none	focused on boundary and vernal pools
"	10/17/2006 *						Mary Alice Wilson	Brayton Wilson	none	forest vegetation survey
"	10/21/2006 *						Mary Alice Wilson		digital	more gps, photographs of borders and vernal pools
"	10/25/2006 *			Eva Beth Gibavic			Mary Alice Wilson		digital	primarily Whitney/ Marvel CA monitoring but walked north line to meadow
"	10/26/2006 *				Sheila Seaman		Mary Alice Wilson	Mike Williams	none	7 AM trip with geologists for geology report
"	11/26/2006 *				Joan Godsey	Gwyn Mitchell	Mary Alice Wilson		none	walk borders and other areas with Board members
"	12/3/2006 *			Eva Beth Gibavic			Mary Alice Wilson		digital	walk of north boundary
"	12/15/2006 *						Mary Alice Wilson		digital	walk of south line of CR
"	12/18/2006 *						Mary Alice Wilson		digital	walk northern boundary to review "jog" location
"	1/8/2006 *						Mary Alice Wilson		digital	meadow/building envelope
"	6/2/2007 *						Mary Alice Wilson	Brayton Wilson	digital	meadow/building envelope

Gibavic Family Conservation Restriction

Dates of Rattlesnake Gutter Trust Board Discussions

September 7, 2005

October 15, 2006

November 28, 2006

January 10, 2007 (Grantor secluded)

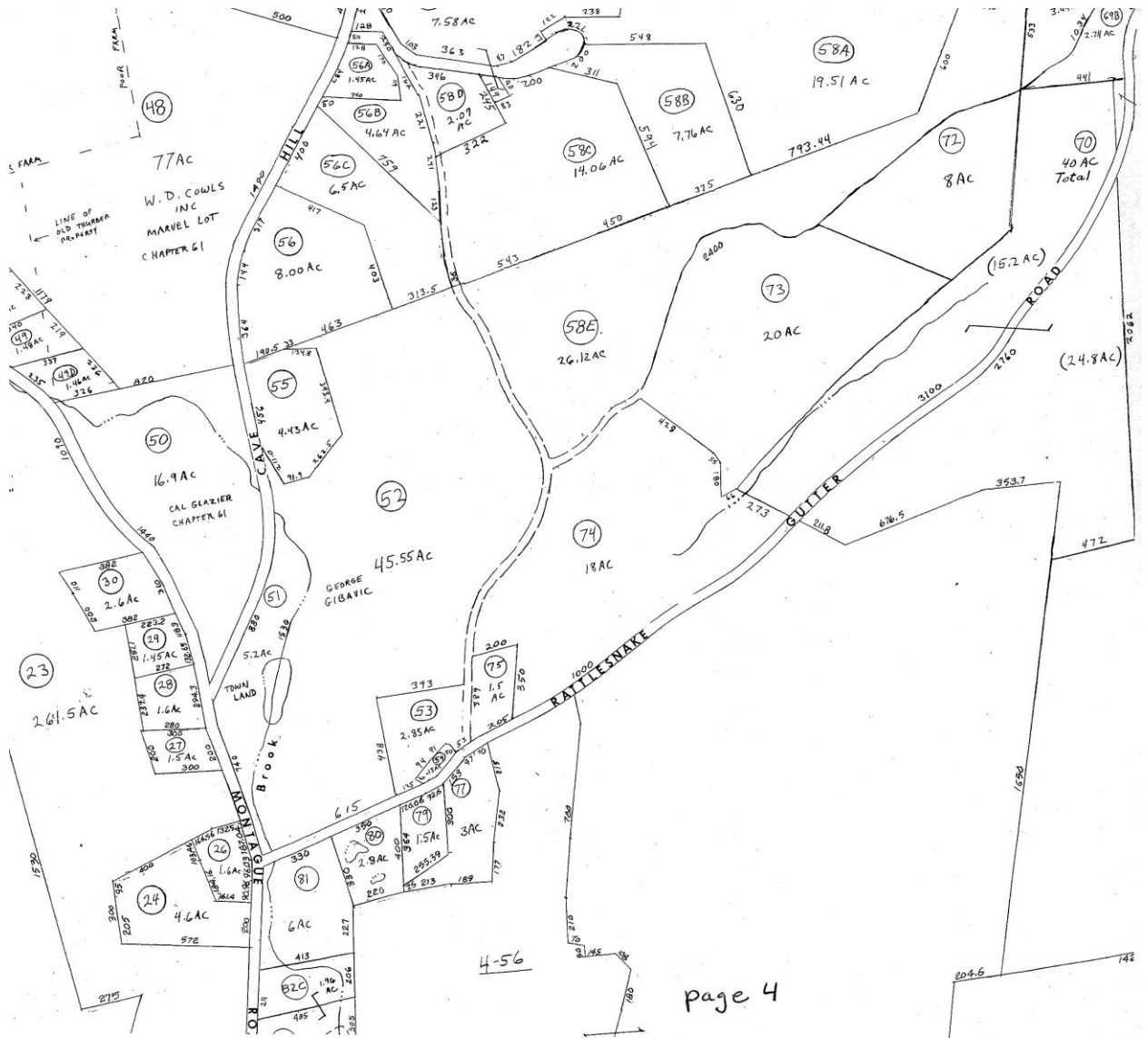
Dates when Board members visited property:

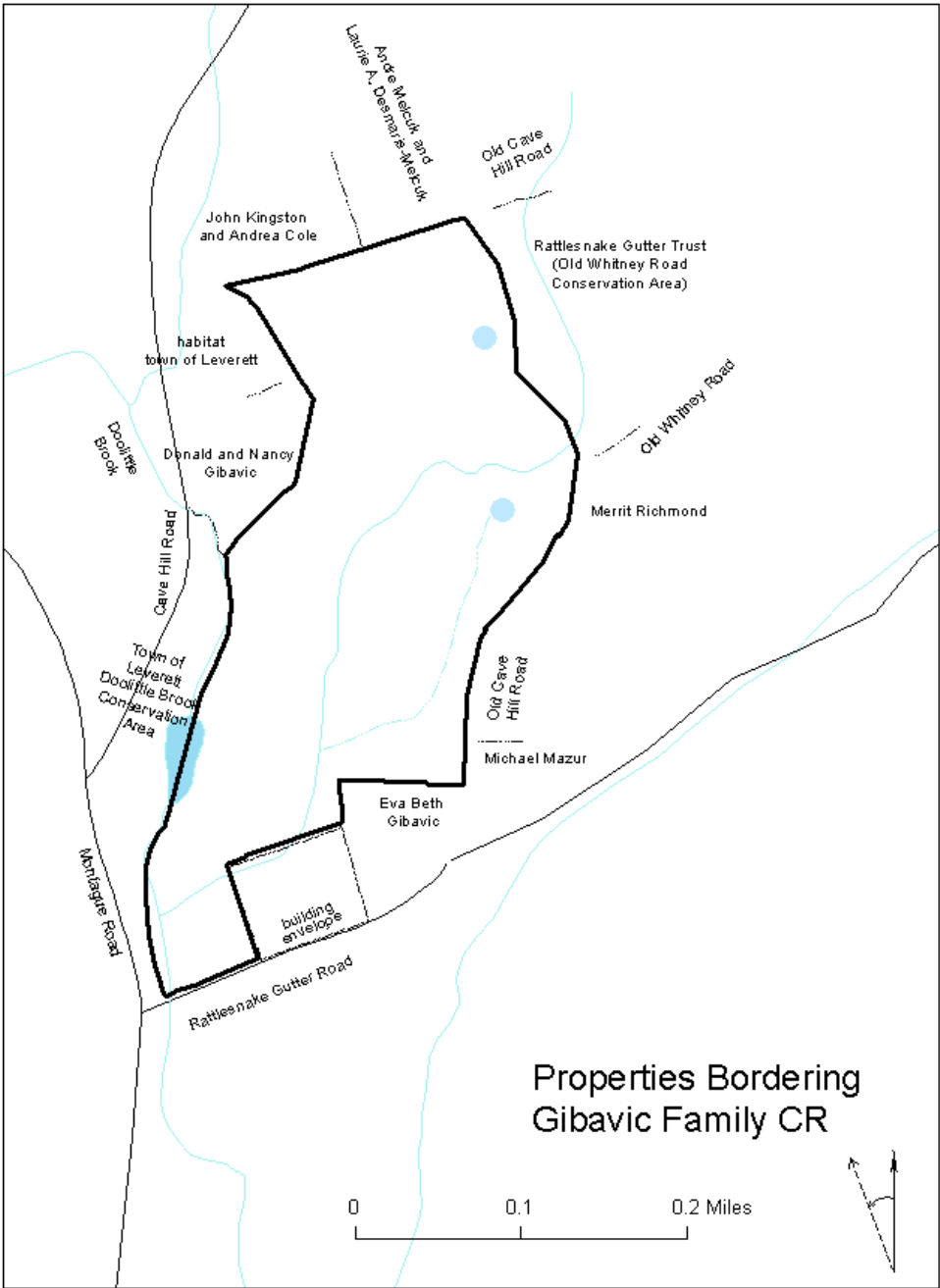
August 31, 2006

October 8, 2006

November 26, 2006

Gibavic Family Conservation Restriction. Assessor's Map page 4, lot 52





Gibavic Family Conservation Restriction

Land owners information (notebook has deeds, plans and accompanying map)

date of CR: 7/10/2007 book 05352, page 8

acquired by: donation

potential conflict of interest: at time of gift, donor was on Board (reclused during discussions)

potential conflict of interest monitoring: donor's children inherited CR, daughter Eva serves on Board (would be reclused)

	last name	first name(s)	other names	street address	town	state	zip	phone	description of abutters land	Franklin County Registry of Deeds book/page	Assessor's map number
original grantor	Gibavic	Annette	(Trustee, Gibavic Revocable Trust)	6 Rattlesnake Gutter Road	Leverett	MA	01054			original deed: Book 980, p. 89 Chapter 61B: Book 2457, p. 135	4-52
present owner	same	Eva	Gibavic	10 Rattlesnake Gutter Rd	Leverett	MA	01054				
		Donald	Gibavic	20 Cave Hill Road	Leverett	MA	01054				
		Ann	Gibavic	PO Box 74	Sutton	VT	05867				
		Paul	Gibavic	3 Sunderland Rd	Montague	MA	01351				
others in between	(none)										
abutters	Gibavic	Eva Beth		10 Rattlesnake Gutter Rd	Leverett	MA	01054	413-548-9451	borders on southeast corner along Rattlesnake Gutter Road	Book 3006, p. 232 plan book 91, p. 26	4-53
	Mazur	Michael B.		16 Rattlesnake Gutter Rd	Leverett	MA	01054		1.5 acres, corner of Rattlesnake Gutter Road and Old Cave Hill Road	Book 4970, p. 243	4-75
	Richmond	Merrit O.		14 Rattlesnake Gutter Rd	Leverett	MA	01054		North and East of Mazur, borders both Rattlesnake Gutter Road and Old Whitney Road (driveway access to house)	Book 1576, P. 298 Book 4070, p. 183 Book 4441, p. 335	4-74
	Rattlesnake Gutter Trust								bounded on south by Old Whitney Road and on the west by Old Cave Hill Road, other boundary housing development	Book 3568, p. 98 Plan Book 101, p. 89	4-58E
	Melcuk	Andre	Laurie A. Desmaris-Melcuk	102 Thayer Road	Greenfield	MA	01301		borders on north east corner and edge	earlier (larger) property Lee: Book 1342, p. 245 Plan Book 22, p. 36; this deed Book 4980 p. 120 Plan Book 101, p. 89	4-56C
	Kingston (Habitat for Humanity)	John	Andrea Cole	30 Cave Hill Road (number not assigned) Cave Hill Road	Leverett	MA	01054		borders on north edge	Book 2935, p. 149	4-56
					Leverett	MA	01054		borders on northwest line north of D/N Gibavic	House lot being donated to Habitat for Humanity	in process
	Gibavic	Donald and Nancy		20 Cave Hill Road	Leverett	MA	01054	413-548-9322	borders on northwest line, then along meadow to Doolittle Brook, then north along brook to Cave Hill Road	Book 3200, p. 108 plan book 46, p. 26. New survey/deed in process	4-55
	Town of Leverett	Doolittle Brook Conservation Area		Town Hall	Leverett	MA	01054		borders southwest edge, from culvert on Cave Hill Road, down center of Doolittle Brook to culvert under Rattlesnake Gutter Road	Book 1397, p. 91	4-51

Note: Habitat for Humanity lot was not able to be created. Land is still part of the Donald and Nancy Gibavic property.



SEE

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BOOK 3006
PAGE 242

Jan 19 12 08 PM '95

SEE
BOOK 3215
PAGE 179

RATTLESNAKE GUTTER ROAD
LEVERETT, MASSACHUSETTS 01854

CLARK & PARSONS, P.C.
104 Russell Street
P.O. Box 377
HOLISTON, MA 01033
Area Code 413
588-5958
592-3387
Fax 582-0934

KNOW ALL MEN BY THESE PRESENTS, THAT
WE, GEORGE J. GIBAVIC and ANNETTE M. GIBAVIC,
of 6 Rattlesnake Gutter Road, Leverett, Franklin County,
Massachusetts

for consideration paid, and in full consideration of
ONE AND NO/100 (\$1.00) DOLLAR
grant to EVA BETH GIBAVIC

of 6 Rattlesnake Gutter Road, Leverett, Franklin County,
Massachusetts
with WARRANTY COVENANTS

The land situated on the north side of Rattlesnake Gutter Road
in the Town of Leverett, Franklin County, Massachusetts, and
being shown as Parcel "A" on a plan entitled "Plan of Land in
Leverett (Franklin Co.,) Mass Surveyed for Eva Gibavic" dated
Jan. 10, 1995, prepared by Ruberg Associates Land Surveying and
recorded with the Franklin County Registry of Deeds in Plan Book
51, Page 26. Said parcel of land is further bounded and
described as follows:

Beginning at a rebar set on the northerly side of said
Rattlesnake Gutter Road, which rebar marks the southwesterly
corner of the parcel of land herein conveyed; thence running N.
11° 51' 45" E. a distance of 96.95 feet to a rebar set; thence
running N. 06° 42' 53" E. a distance of 169.93 feet to a rebar
set; thence running N. 08° 18' 01" E. a distance of 28.97 feet
to a point; thence running N. 11° 11' 05" E. a distance of
27.67 feet to a point; thence running N. 15° 00' 51" E. a
distance of 58.43 feet to a point; thence running N. 12° 54'
26" E. a distance of 55.29 feet to a point; thence turning and
running S. 77° 52' 40" E. a distance of 106.86 feet to a
point; thence running S. 77° 32' 34" E. a distance of 291.12
feet to a point; thence running S. 68° 55' 32" E. a distance
of 13.93 feet to a point, all courses being along land of George
and Annette Gibavic as shown on said plan; thence turning and
running S. 21° 00' 28" W. a distance of 22.53 feet to a point;
thence running S. 20° 15' 11" W. a distance of 42.13 feet to a
point; thence running S. 38° 11' 18" W. a distance of 41.09
feet to a point; thence running S. 35° 13' 17" W. a distance
of 52.91 feet to a point; thence running S. 21° 51' 02" W. a
distance of 44.22 feet to a point; thence running S. 19° 19'
14" W. a distance of 70.75 feet to a point, the last six courses
being along Old Cave Hill Road a discontinued road as shown on
said plan; thence turning and running S. 77° 36' 55" W. a
distance of 39.52 feet to a point; thence running S. 40° 41'
57" W. a distance of 14.28 feet to a point, the last two courses
being along Rattlesnake Gutter Road as shown on said plan;

thence turning and running N. 42° 12' 55" W. a distance of 40.80 feet to a point; thence turning and running S. 89° 57' 08" W. a distance of 17.82 feet to a point; thence running S. 65° 37' 09" W. a distance of 51.01 feet to a point; thence running S. 75° 14' 07" W. a distance of 19.67 feet to a point; thence running S. 51° 52' 57" W. a distance of 34.46 feet to a point; thence running S. 47° 58' 31" W. a distance of 19.16 feet to a point; thence turning and running S. 85° 53' 23" E. a distance of 20.42 feet to a point, the last seven courses being along the "Garden Spot" as shown on said plan; thence turning and running S. 85° 14' 29" W. a distance of 70.30 feet to a point; thence running S. 88° 32' 28" W. a distance of 54.47 feet to the point of beginning, the last two courses being along Rattlesnake Cutter Road as shown on said plan. Containing 2.8474 acres of land.

The parcel of land herein conveyed is excluded from the 43.3 acres of land subject to the Recreational Land Tax Lien which is recorded in the Franklin County Registry of Deeds in Book 2497, Page 115.

Being a portion of the premises conveyed to George J. Gibavic and Annette M. Gibavic by deed of Harry S. Poueas and Esther J. McPherson dated October 16, 1952 and recorded with the Franklin County Registry of Deeds in Book 280, Page 89.

WITNESS our hands and seals this 19th day of June, 1995.

[Signature]

[Signature]
 GEORGE J. GIBAVIC
[Signature]
 ANNETTE M. GIBAVIC

COMMONWEALTH OF MASSACHUSETTS

HAMPENIRE, ss.

JUNE 19, 1995

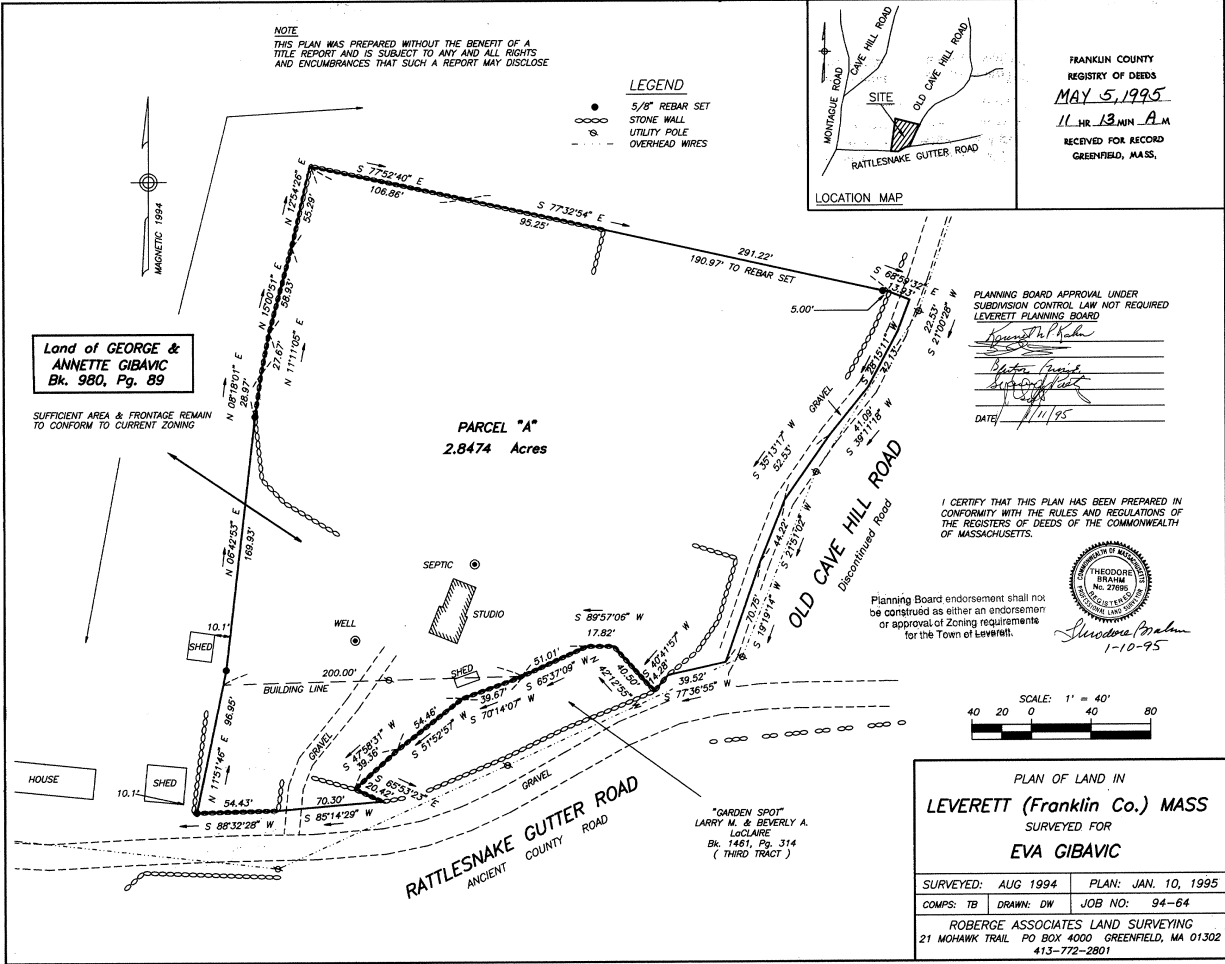
Then personally appeared the above-named GEORGE J. GIBAVIC and ANNETTE M. GIBAVIC and acknowledged the foregoing instrument to be their free act and deed, before me.

[Signature]

 Notary Public
 My Commission Expires: 12/31/99

NOT RECORDED
 BY CLERK OF SUPERIOR COURT
 FRANKLIN COUNTY, MASS.

ATTEST: FRANKLIN COUNTY, MASS. H. Peter Wood, Registrar





Bk: 4970 Pg: 227 Doc: DEED
Page: 1 of 2 10/21/2006 10:39 AM

AFFECTED PREMISES:
16 Rattlesnake Gutter Rd.
Leverett, MA

MARG. REF.
BOOK 4970 ✓
PAGE 227

QUITCLAIM DEED

I, NANCY E. FEHLKER of Leverett, Franklin County, Massachusetts for consideration of ONE DOLLAR (\$1.00) grant to MICHAEL B. MAZUR, of 16 Rattlesnake Gutter Road, Leverett, MA 01054

with QUITCLAIM COVENANTS,

all my right, title and interest in and to the land in Leverett, Franklin County, Massachusetts, with the buildings thereon, bounded and described as follows:

Beginning at a point on the northerly side of an Ancient Franklin County Highway commonly known as Rattlesnake Gutter Road, said point being the Southwesterly corner of the tract herein described, thence in a general northerly and easterly direction along the easterly boundary of Old Cave Hill Road a distance of three hundred eighty-nine (389) feet, more or less to the northwest corner of the premises herein described; thence S 90° 00' E a distance of two hundred (200) feet to a point; thence S 18° 26' W a distance of three hundred fifty (350) feet to a point located in the northerly sideline of said Rattlesnake Gutter Road, the last two courses being along other land now or formerly of Meritt O. Richmond and Victoria J. Richmond; thence S 78° 12' 45" W along the northerly sideline of said Rattlesnake Gutter Road a distance of two hundred five (205) feet to the point of beginning.

Containing approximately 1.5 acres, more or less. For further description of said property see plan of land entitled "Plan of Land in Leverett, Massachusetts, surveyed for Charles J. & Carolee E. Barry, March 19, 1970, Harold L. Eaton, R.L.S., Sunrise Drive, Hadley, Massachusetts, and revised to include parcel 3, January 3, 1984, by Alfred E. Shaw, Jr., and recorded in the Franklin County Registry of Deeds, Plan Book 55, Page 97.

Being the same premises conveyed to Michael B. Mazur and Nancy E. Fehlker by deed of Meritt O. Richmond and Victoria J. Richmond, formerly known as Victoria J. Shaw, dated January 7, 1985 and recorded in the Franklin County Registry of Deeds in Book 1835, Page 187.

EXECUTED AS A SEALED INSTRUMENT this 6th day of October, 2005

In the presence of:



NANCY E. FEHLKER

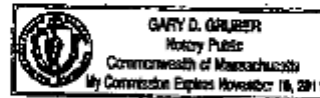
COMMONWEALTH OF MASSACHUSETTS

FRANKLIN, SS.

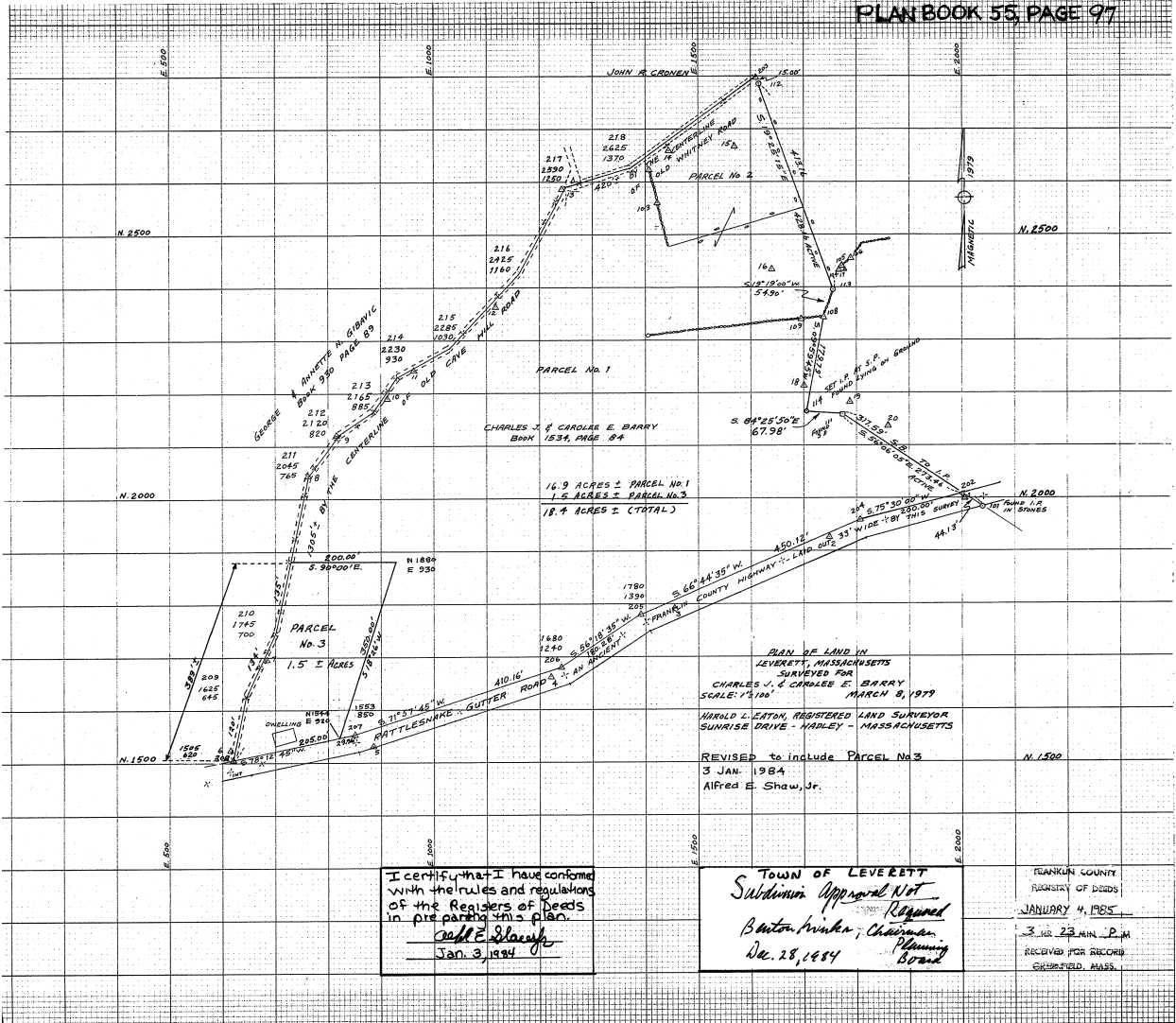
October 6, 2005

On this 6th day of October, before me, the undersigned notary public, personally appeared Nancy E. Fehlker, proved to me through satisfactory evidence of identification, which was a Massachusetts Driver's License, and personally known to me to be the person whose name is signed on the preceding or attached document, and acknowledged to me that she signed it voluntarily for its stated purpose.


Notary Public
My Commission Expires:



ATTEST: FRANKLIN COUNTY, MASS. H. Peter Wood, Register



16.9 ACRES ± PARCEL No. 1
 1.6 ACRES ± PARCEL No. 2
 18.4 ACRES ± (TOTAL)

PLAN OF LAND IN
 LEVERETT, MASSACHUSETTS
 SURVEYED FOR
 CHARLES J. & CAROLAE E. BARRY
 SCALE: 1"=100'
 MARCH 8, 1979

HAROLD L. EATON, REGISTERED LAND SURVEYOR
 SUNRISE DRIVE - WADLEY - MASSACHUSETTS
 REVISED to include PARCEL No. 3
 3 JAN. 1984
 Alfred E. Shaw, Jr.

I certify that I have conformed
 with the rules and regulations
 of the Registers of Deeds
 in preparing this plan.
Carl E. Shaw, Jr.
 Jan. 3, 1984

TOWN OF LEVERETT
 Subdivision Approval Not
 Required
 Boston Vinken, Chairman
 Dec. 28, 1984
 Planning Board

FRANKLIN COUNTY
 REGISTER OF DEEDS
 JANUARY 4, 1985
 3:16:23 AM P.M.
 RECEIVED FOR RECORD
 CHESHIRE, MASS.

MASSACHUSETTS QUITCLAIM DEED

Premises: 14 Rattlesnake Gutter Road, Leverett, Franklin County, Massachusetts

KNOW ALL MEN BY THESE PRESENTS THAT

MERRITT O. RICHMOND of Leverett, MA and VICTORIA S. RICHMOND/W/s VICTORIA J. SHAW of Amherst, MA

for consideration paid, and in full consideration of ONE DOLLAR (\$1.00)

grant to MERRITT O. RICHMOND

of 14 Rattlesnake Gutter Road, Leverett, MA

with QUITCLAIM COVENANTS

The land described on Exhibit "A" attached hereto and incorporated herein by reference.

2002 AUG 29 10:07 AM

WITNESS my hand and seal this day of August, 2002.

Witness

[Signature]
Witness

Victoria S. Richmond
Victoria S. Richmond
Victoria J. Shaw
Merritt O. Richmond
Merritt O. Richmond

THE COMMONWEALTH OF MASSACHUSETTS

Hampshire, ss.

August 27, 2002

Then personally appeared the above named Victoria S. Richmond and acknowledged the foregoing instrument to be her free act and deed, before me.

[Signature]
LINDA S. FIDONICIL
Notary Public

My commission expires: 04-06-07



2002 00014203

Bk: 4070 Pg: 183 Doc: DEED
Page 1 of 4 08/29/2002 10:07AM

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EXHIBIT A**Rattlesnake Gutter Road, Leverett, MA 01054**

A certain tract or parcel of land, together with the buildings thereon, situated on the Northerly side of Rattlesnake Gutter Road, Leverett, Franklin County, Massachusetts, more particularly bounded and described as follows:

Beginning at a point on the northerly side of An Ancient Franklin County Highway, said point being the Southeastly corner of the tract herein conveyed, and the Southwestly corner of land now or formerly of Peter M. Benben et al;

thence South $75^{\circ} 30' 00''$ West a distance of Two Hundred feet (200') along said Ancient Highway to a point;

thence South $66^{\circ} 44' 35''$ West a distance of Four Hundred Fifty and Twelve One-Hundredths feet (450.12') along said Ancient Highway to a point;

thence South $56^{\circ} 18' 35''$ West a distance of One Hundred Eighty and Twenty-Eight One Hundredths feet (180.28') along said Ancient Highway to a point and Rattlesnake Gutter Road;

thence South $71^{\circ} 57' 45''$ West along said Rattlesnake Gutter Road a distance of Four Hundred and Ten and Sixteen One-Hundredths feet (410.16') to a point;

thence South $78^{\circ} 12' 45''$ West along said Rattlesnake Gutter Road a distance of Two Hundred Thirty-Four and Ninety-Six One-Hundredths feet (234.96') to a point and land now or formerly of George J. and Annette N. Gibavie;

thence in a general Northerly and Easterly direction along said land now or formerly of said Gibavie "by" the centerline of Old Cavehill Road a distance of Thirteen Hundred and Five feet (1305') more or less to a point and land now or formerly of Albert M. Cronin, et al;

thence continuing in a general Northerly and Easterly direction along said land now or formerly of said Cronin, et al, "by" the centerline of Old Whitney Road a distance of Four Hundred Twenty feet (420') more or less, to a point and land now or formerly of Alberta M. Cronin, et als;

thence South 19° 25' 15" East along said land now or formerly of said Cronin, et als, a distance of Four Hundred Twenty-Eight and Sixteen One-Hundredths feet (428.16') to an iron pin and other land now or formerly of said Cronin, et als;

thence South 19° 19' 00" West along said land now or formerly of said Cronin, et als, a distance of Fifty-Four and Ninety One-Hundredths feet (54.90') to a point and other land, now or formerly of said Cronin, et als;

thence South 09° 59' 45" West along said land now or formerly of said Cronin, et als, a distance of One Hundred Seventy-Nine and Seventy-Nine One-Hundredths feet (179.79') to an iron pin and other land now or formerly of said Cronin, et als;

thence South 84° 25' 50" East along said land now or formerly of said Cronin, et als, a distance of Sixty-Seven and Ninety-Eight One-Hundredths feet (67.98') to a stone bound and land now or formerly of said Benben, et al;

thence South 56° 06' 05" East along said land now or formerly of said Benben et al, a distance of Two Hundred and Seventy-Three and Forty-Six One-Hundredths feet (273.46') to the place of beginning.

For further description of said properties, see Plan of Land in Leverett, Massachusetts, surveyed for Charles J. & Carolee E. Barry on March 19, 1979, by Harold L. Eason, Registered Land Surveyor, Sunrise Drive, Hadley, Massachusetts.

EXCEPTING AND EXCLUDING the premises conveyed by Deed of Merritt O. Richmond and Virginia J. Richmond (l/k/a Virginia J. Shaw), to Michael B. Mazur and Nancy E. Fehlker dated January 7, 1985, and recorded with the Franklin County Registry of Deeds in Book 1835, Page 187, more particularly bounded and described as follows:

The land in Leverett, Franklin County, Massachusetts, with the buildings thereon, bounded and described as follows:

Beginning at a point on the northerly side of an Ancient Franklin County Highway commonly known as Rattlesnake Gutter Road, said point being the Southwesterly corner of the tract herein conveyed;

thence in a general northerly and easterly direction along the easterly boundary of Old Cave Hill Road a distance of Three Hundred Eighty-Nine (389) feet, more or

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less to the northwest corner of the premises herein conveyed;

thence S. 90° 00' E. a distance of Two Hundred (200) feet to a point;

thence S. 18° 26' W. a distance of Three Hundred Fifty (350) feet to a point located in the northerly sideline of said Rattlesnake Gutter Road, the last two courses being along other land now or formerly of Merritt O. Richmond and Victoria J. Richmond;

thence S. 78° 12' 45" W. along the northerly sideline of said Rattlesnake Gutter Road a distance of Two Hundred Five (205) feet to the point of beginning.

Containing approximately 1.5 acres, more or less.

For further description of said property, see plan of land entitled, "Plan of Land in Leverett, Massachusetts, surveyed for Charles J. & Carolee E. Barry, March 19, 1979, Harold L. Eaton, R.L.S., Sunrise Drive, Hadley, Massachusetts, and revised to include Parcel 3, January 3, 1984, by Alfred E. Shaw, Jr., and recorded in the Franklin County Registry of Deeds, Plan Book 53, Page 97.

Being the same premises conveyed to Merritt O. Richmond and Victoria J. Richmond by Charles J. Barry and Carolee E. Barry by deed dated April 19, 1979 recorded in The Franklin County Registry of Deeds in Book 1576 page 248

CHILCO
COUNTY
READ

ATTEST: FRANKLIN COUNTY, MASS. H. Peter Wood, Register



1989 00015822

BR: 3968 Pg: 038 Doc:DEED
Page 1 of 2 11/18/1989 03:29PM

3568

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MASSACHUSETTS OUTCLAIM DEED
Form: 800a (Rev. 1-1-87) 22A

KNOW ALL MEN BY THESE PRESENTS that, We, **RICHARD H. ROBERTS, JR.** of
Leverett, Franklin County, Massachusetts, and **WILLIAM E. PEARSON, III** of Amherst, Hampshire
County, Massachusetts

for consideration paid, and in full consideration of \$1.00

grant to the **RATTLESNAKE GUTTER TRUST**, being a trust dated January 14, 1988 and recorded
in the Franklin County Registry of Deeds in Book 2191, Page 304 as amended by document dated
June 8, 1989 and recorded in Franklin County Registry of Deeds in Book 2339, Page 342; and
having a mailing address c/o Annette N. Gibovic, Rattlesnake Gutter Road, Leverett, MA 01054

with **QUITCLAIM COVENANTS**

the land in Leverett, Franklin County, Massachusetts, being the parcel shown as "Open
Space" on a plan of land entitled, "Amended Definitive Subdivision 'Hidden Acres' Plan of Land
in Leverett, Massachusetts Prepared for Richard H. Roberts, Jr. & William E. Pearson, III" scale
1" = 100', dated April 26, 1999, Harold L. Eaton and Associates, Inc. Registered Professional Land
Surveyors, 225 Russell Street, Hadley, Massachusetts". Said plan is recorded in the Franklin County
Registry of Deeds at Plan Book 101, Page 6, said parcel of land is more particularly bounded and
described as follows:

Beginning at an iron pin to be set in the northwesterly corner of the heretofore described
premises, said iron pin marks the southwest corner of Revised Lot 6 as shown on said plan;
thence N. 87° 50' 17" E. along Revised Lot 6 as shown on said plan a distance of 547.26 feet to an
iron pin to be set at the southwest corner of Revised Lot 5; thence continuing N. 87° 50' 17" E.
along Revised Lot 5 as shown on said plan a distance of 450.00 feet to an iron pin to be set at the
southwesterly corner of Revised Lot 4 as shown on said plan; thence continuing N. 87° 50' 17" E.
along Revised Lot 4 as shown on said plan, a distance of 375.00 feet to an iron pin to be set at the
southwesterly corner of Revised Lot 3 as shown on said plan; thence continuing N. 87° 50' 17" E.
along Revised Lot 3 as shown on said plan a distance of 793.44 feet to an iron pin to be set; thence
N. 35° 45' 11" E. along Revised Lot 3 as shown on said plan a distance of 600.00 feet to an iron pin
to be set on land now or formerly of Hugh D. and Claire G. Roberts; thence S. 70° 33' 28" E. along
land now or formerly of Hugh D. and Claire G. Roberts a distance of 290.00 feet to an iron pin at
land now or formerly of Clifford H. and Carol J. Blinn; thence S. 19° 12' 44" W. along land now
or formerly of Clifford H. and Carol J. Blinn a distance of 400.00 feet to a point at land of owners
unknown; thence S. 87° 29' 12" W. a distance of 63.87 feet to a point; thence N. 70° 02' 50" W. a
distance of 106.06 feet to a point; thence S. 52° 46' 05" W. a distance of 244.76 feet to a point;
thence S. 74° 04' 04" W. a distance of 64.85 feet to a point; thence S. 50° 20' 46" a distance of
145.26 feet to a point; thence N. 86° 28' 42" W. a distance of 136.86 feet to a point; thence S. 80°
05' 10" W. a distance of 173.63 feet to a point; thence S. 50° 48' 22" W. a distance of 245.58 feet
to a point; thence N. 81° 36' 20" W. a distance of 74.21 feet to a point; the last nine (9) courses

NOV 18 1989

being along land of owners unknown; thence N. 49° 47' 38" W. a distance of 293.95 feet to a point; thence S. 89° 16' 02" W. a distance of 58.40 feet to a point; thence S. 53° 35' 04" W. a distance of 273.15 feet to a point; thence S. 49° 08' 14" W. a distance of 257.54 feet to a point; thence S. 31° 35' 11" W. a distance of 294.50 feet to a point; the last five (5) courses being along land now or formerly of Alberta M. Cronen, Pascal H. Marvel and Marlon C. Westcott; thence S. 62° 45' 25" W. partially along land now or formerly of said Cronen, Marvel and Westcott and partially along land of Charles J. and Carolee E. Barry a distance of 132.38 feet to a point; thence S. 55° 10' 48" W. a distance of 272.40 feet to a point; thence S. 71° 25' 36" W. a distance of 122.68 feet to an iron pin to be set; the last two (2) courses being along land now or formerly of said Charles J. and Carolee E. Barry; thence N. 08° 14' 47" W. a distance of 128.49 feet to a point; thence N. 27° 21' 13" W. a distance of 244.76 feet to a point; thence N. 00° 31' 11" E. a distance of 327.02 feet to a point; thence N. 05° 44' 39" W. a distance of 93.65 feet to a point; thence N. 13° 55' 43" W. a distance of 138.66 feet to the iron pin to be set at the place of beginning. The last five (5) courses being along land now or formerly of George J. and Arnette N. Gibavia. Containing 26.117 acres of land, more or less.

Together with a right of way to pass and repass over a 30 foot wide strip of land along the easterly boundary of the herein described premises where the premises abut land now or formerly of Clifford H. and Carol J. Blinn.

Together with a right of way for ingress and egress over a 30 foot wide strip of land running along the westerly side line of revised Lot 46 as shown on said plan and continuing along Hidden Acres Lane to Cave Hill Road.

This conveyance is made subject to a right to pass and repass, for emergency and construction access across a proposed 25 foot right of way appurtenant to Revised Lot 3 as shown on said plan.

This conveyance is made subject to the restriction that the grantee, its successors and assigns shall not create nor allow to be created any new trails or structures upon the premises herein conveyed. Except the grantee, its successors and assigns, may construct one new trail within a thirty (30) foot wide strip along the easterly boundary of the herein described premises where the premises abut land now or formerly of Clifford H. and Carol J. Blinn. The Grantee, its successors and assigns, may erect entrance and trail marking signs upon the premises.

For title see deed recorded with Franklin County Registry of Deeds, Book 2574, Page 182.

100

WITNESS our hands and seals this 17th day of October, 1999

[Signature]
Witness

[Signature]
Richard H. Roberts, Jr.

[Signature]
Witness

[Signature]
William E. Pearson, III

THE COMMONWEALTH OF MASSACHUSETTS

Hampshire, ss.

October 17th 1999

Then personally appeared the above named RICHARD H. ROBERTS, JR. and WILLIAM E. PEARSON, III and acknowledged the foregoing instrument to be their free act and deed, before me.

[Signature]
Peter W. MacConnell
Notary Public

My commission expires: 1/04/2002

ATTEST: FRANKLIN COUNTY, MASS. H. Peter Wood, Register



2005 00015881
Bk: 4970 Pg: 120 Doc: DEED
Page: 1 of 2 10/20/2005 11:58 AM

Affected Premises: Cave Hill Road
Leverett, MA 01054

KNOW ALL PERSONS BY THESE PRESENTS

That I, SUSAN D. LEE, of 11 Strong Street, Amherst, Massachusetts,
in consideration of EIGHTY ONE THOUSAND and 00/100 (\$81,000.00)
DOLLARS

grant to ANDRE I. MELCUK and LAURIE A. DESMARAIS-MELCUK of 102
Thayer Road, Greenfield, Massachusetts, as husband and wife, tenants by the entirety
with QUITCLAIM COVENANTS

the land in Leverett, Franklin County, Massachusetts bounded and described as
follows:

See EXHIBIT A attached hereto and made a part hereof.

Executed as a sealed instrument this ^{20th} day of October, 2005.

WITNESS

SUSAN D. LEE

MASSACHUSETTS EXCISE TAX
Franklin District ROD #11 001
Date: 10/20/2005 11:58 AM
Ctrl# 004888 07052 Doc# 00015881
Fee: \$369.36 Cons: \$81,000.00

COMMONWEALTH OF MASSACHUSETTS

Hampshire, ss.

On this ^{20th} day of October, 2005, before me, the undersigned notary public,
personally appeared SUSAN D. LEE, proved to me through satisfactory evidence of
identification, which was personal knowledge, to be the person whose name is signed on
the preceding or attached document, and acknowledged to me that she signed it
voluntarily for its stated purposes

Meg Zinnck, Notary Public
My Commission Expires: 1/17/08

EXHIBIT A

The land in Leverett, Franklin County, Massachusetts, described Lot 3 and Lot 4 as shown on a plan of land entitled "Plan of Land in Leverett, Massachusetts" Prepared for William E. Lee & Susan D. Lee dated August 15, 1989, by Harold L. Eaton and Associates, Inc., recorded in the Franklin County Registry of Deeds on November 15, 1989 in Plan Book 76, Page 81.

Excepting from the above that portion of Lot 3 which is included to revised Lot #1 as shown on a plan of land entitled "AMENDED DEFINITIVE SUBDIVISION "HIDDEN ACRES", Plan of Land in Leverett, Massachusetts" Prepared for Richard H. Roberts, Jr. & William E. Pearson, III dated July 26, 1999, by Harold L. Eaton and Associates, Inc., recorded in the Franklin County Registry of Deeds on September 17, 1999 in Plan Book 101, Page 89.

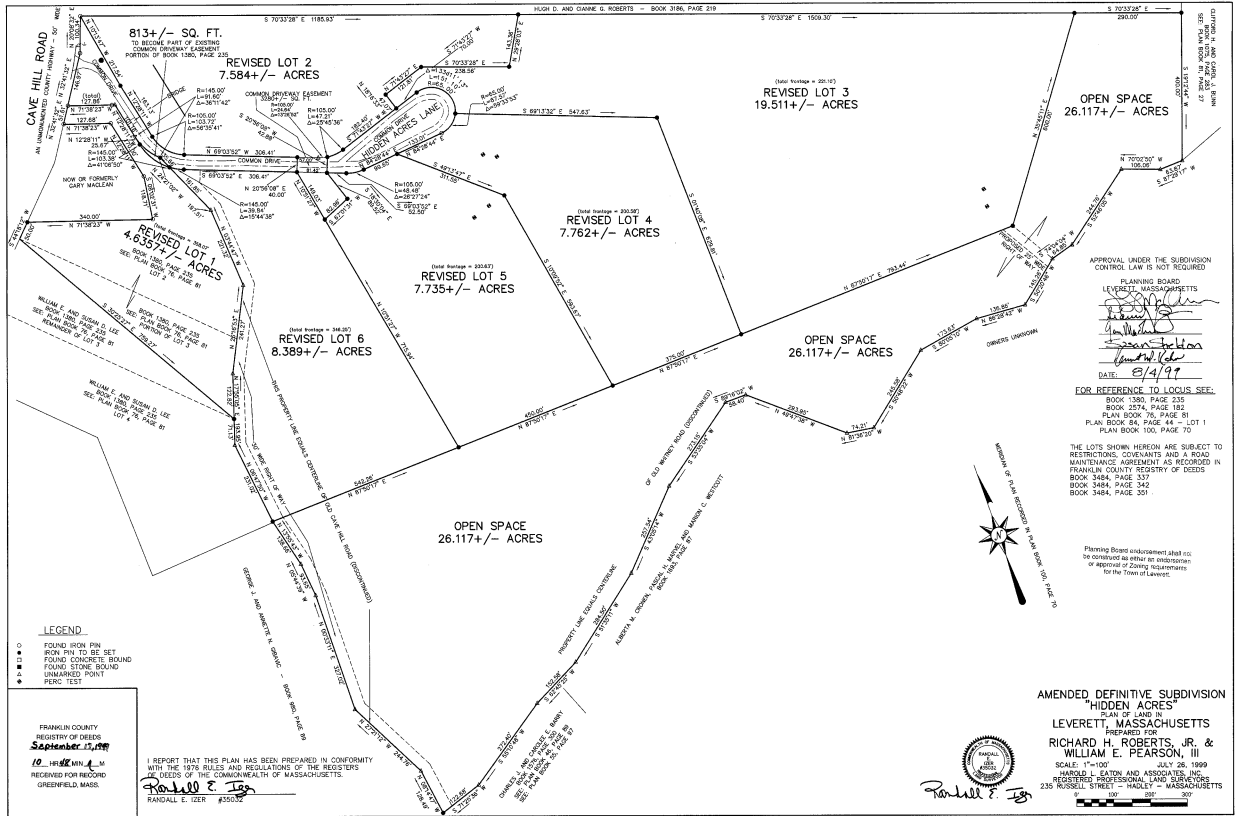
Excepting so much as was conveyed by deed of William E. Lee and Susan D. Lee to Richard H. Roberts, Jr. and William E. Pearson, III dated December 16, 1999 and recorded in the Franklin County Registry of Deeds in Book 3578, Page 155.

Being a portion of the premises conveyed by Frances B. Paczkowski to William E. Lee and Susan D. Lee by deed dated February 21, 1974 and recorded in the Franklin County Registry of Deeds in Book 1380, Page 235.

William E. Lee died September 10, 2004. See Hampshire County Probate Court Docket No. 01P0582VE. See Estate Tax Affidavit recorded in the Franklin County Registry of Deeds on May 20, 2005 in Book 4853, Page 108.

No new boundaries are created by this conveyance.

ATTEST: FRANKLIN COUNTY, MASS. H. Peter Wood, Register



WARRANTY DEED

We, STEVEN J. ROBINSON and JANICE E. CUNY of Eugene,
Oregon

in consideration of TWO HUNDRED THIRTEEN THOUSAND AND 00/100
(\$213,000.00) DOLLARS

grant to JOHN KINGSTON and ANDREA COLE of Belchertown,
Massachusetts, as tenants by the entirety

with Warranty Covenants

A certain tract or parcel of land with the buildings thereon
situate on the southerly and easterly side of Cave Hill Road,
Leverett, Franklin County, Massachusetts, shown on a plan
entitled "Land in Leverett, (Franklin County) Mass. Surveyed
For William E. Lee" dated November 16, 1983, by Gordon R.
Ainsworth & Associates, Inc., recorded in the Franklin County
Registry of Deeds, and more particularly bounded and described
as follows:

Beginning at a 3/4 inch rod at the southwesterly corner of the
parcel herein described, at the northwesterly corner of land
now or formerly of Donald L. Gibavic, and on the easterly side
of said Cave Hill Road, thence N. 11° 15' 05" E. three hundred
sixty-three and ninety-five one-hundredths (363.95) feet to Bd.
Pt. #8; thence N. 28° 56' 15" E. one hundred forty-three and
sixty-six one-hundredths (143.66) feet to Bd. Pt. #9; thence N.
44° 13' 12" E. three hundred seventeen and thirteen one-
hundredths (317.13) feet to an iron pipe set, the last three
courses being along the westerly and southerly sides of said
Cave Hill Road; thence S. 45° 41' 48" E. four hundred seventeen
and thirty-nine one-hundredths (417.39) feet to an iron pipe
set; thence S. 2° 08' 56" E. four hundred three and twenty-two
one-hundredths (403.22) feet to an iron pipe set at land now or
formerly of George J. and Annette M. Gibavic, the last two
courses along other land of William E. and Susan D. Lee; thence
S. 85° 46' 27" W. along said Gibavic land four hundred sixty-
two and eighty-six one-hundredths (462.86) feet to a point at a
stone wall at land now or formerly of said Donald L. Gibavic;
thence N. 67° 24' 50" W. along said stone wall thirty-two and
eighty-two one-hundredths (32.82) feet to a tack in lead in
boulder; thence N. 87° 42' 12" W. one hundred ninety and
thirty-two one-hundredths (190.32) feet to a 3/4 inch rod on
the easterly side of said Cave Hill Road at the place of
beginning.

30 Cave Hill Road, Leverett, Franklin County, Massachusetts

SEP 1 1994



1994 00010464
DL: 263572: 149 DocDEED
Page 1 of 2 OR/D1/1994 01.15PM

150

Warrenty Road

Contains 8.00 acres.

Being the same premises as conveyed by deed of William E. Lee and Susan D. Lee to Steven J. Robinson and Janice E. Cuny dated December 22, 1983, and recorded in the Franklin County Registry of Deeds in Book 1769, Page 178.

Executed as a sealed instrument.

August 21, 1994

Steven J. Robinson
STEVEN J. ROBINSON
Janice E. Cuny
JANICE E. CUNY

THE STATE OF OREGON

Lane County, ss.

Aug. 29, 1994

Then personally appeared the above-named Steven J. Robinson and Janice E. Cuny and acknowledged the foregoing instrument to be their free act and deed, before me,

John B. Camp
Notary Public
My commission expires: 4/10/98



TAX 971.28
CRSH 971.28
9293M133 13*18
EXCISE TAX

ATTEST: FRANKLIN COUNTY, MASS. Walter T. Kostanski, Jr., Register

230

1585

KNOW ALL MEN BY THESE PRESENTS

That We, GEORGE J. GIBAVIC and ANNETTE M. GIBAVIC, husband and wife, both

of Leverett, Franklin

County, Massachusetts,

in consideration of none

grant to DONALD L. GIBAVIC of Elm Circle, (South) Deerfield, Franklin County,
Commonwealth of Massachusetts



1979 00003794

Bk: 1585 Pg: 230 Doc: DEED

Page 1 of 2 07/02/99 9:29:24 AM

with warranty covenants

the land in Leverett, Franklin County, Commonwealth of Massachusetts, shown on a plan
entitled "Plan of Land made for George J. Gibavic located in Leverett, Massachusetts,"
by Dale Merritt and James Smith, dated May 14, 1979 to be recorded in Franklin County
Registry of Deeds bounded and described as follows:

BEGINNING at an iron pin set in the Easterly line of Cave Hill Road, which pin marks
the Northeastly corner herein conveyed and the Southeastly corner of land owned
by William E. and Susan D. Lee; thence

SOUTHERLY: along the Easterly line of Cave Hill Road eighty two and sixty seven
hundredths (82.67) feet; thence S. 04 Deg. 00 Min. 00 Sec. along Cave Hill
Road a distance of ninety seven and five hundredths (97.05) feet to a pin;
thence S. 01 Deg. 50 Min. 33 Sec. W along Cave Hill Road a distance of
two hundred seventy six and thirty hundredths (276.30) feet to a pin;
thence S. 22 Deg. 50 Min. 55 Sec. E. a distance of two hundred eleven
(211.00) feet to a pin at land of George J. Gibavic and Annette M.
Gibavic; thence

EASTERLY: N. 77 Deg. 17 Min. 35 Sec. E. along said Gibavic property a distance of
ninety one and eighty eight hundredths (91.88) feet to a pin; thence
N. 47 Deg. 06 Min. 58 Sec. E. along said Gibavic property a distance of
two hundred sixty two and forty six hundredths (262.46) feet to a pin;
thence

NORTHERLY: N. 02 Deg. 26 Min. 08 Sec. W. along said Gibavic property a distance of
three hundred ninety three and forty two hundredths (393.42) feet to a
pin; thence

WESTERLY: W. 67 Deg. 55 Min. 38 Sec. W along land of William E. Lee and Susan D.
Lee a distance of one hundred thirty four and seventy six hundredths
(134.76) feet to a drilled hole with tack set in large boulder at angle
point in stone wall; thence N. 88 Deg. 12 Min. 58 Sec. W. along said Lee
property a distance of one hundred ninety and forty nine hundredths
(190.49) feet to the place of beginning containing 4.430 acres.

The foregoing premises are subject to the rights of Western Counties Electric Company
as set forth in Deed of Maurice M. Olexier to said company dated October 19, 1931
and recorded in Franklin County Registry of Deeds Book 783, Page 86.

Being a portion of the premises conveyed by deed of Harry S. Pous and Esther J.
McPherson to George J. Gibavic and Annette M. Gibavic dated October 16, 1952 and
recorded in Franklin County Registry of Deeds Book 980, Page 89.

Executed as a sealed instrument this 3rd day of July 19 79

<u>Walter T. Roth</u>	<u>George J. Gibario</u>
<u>George P. Hennessey</u>	<u>Annette M. Gibario</u>

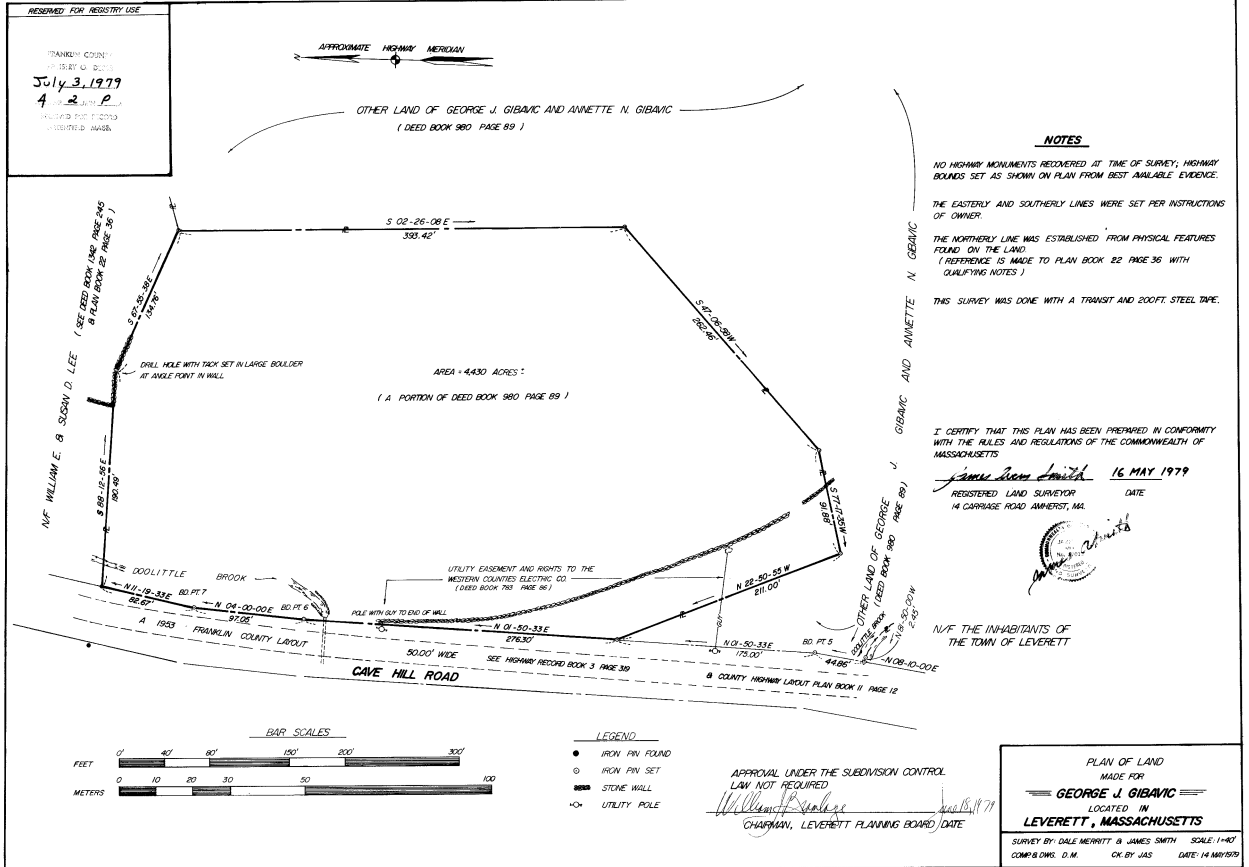
The Commonwealth of Massachusetts

Franklin ss. July 3, 19 79

Then personally appeared the above named GEORGE J. GIBARIO and ANNETTE M. GIBARIO and acknowledged the foregoing instrument to be their free act and deed, before me,

George P. Hennessey
 George P. Hennessey Notary Public
 My commission expires June 14, 19 83

Franklin ss. Rec'd for record 4 Hr. 3 Min. P.M. July 3, 1979



NOW ALL MEN BY THESE PRESENTS, that the Connecticut River Watershed Council, Inc.

a corporation duly established under the laws of the Commonwealth of Massachusetts

and having its usual place of business at 125 Combs Road, Easthampton,

Hampshire County, Massachusetts

for consideration paid, and in full consideration of \$8,090.00

grants to the inhabitants of the Town of Leverett, Franklin County, Massachusetts

with warranty covenants

the land in Leverett, Franklin County, Massachusetts situated on the easterly side of

Montague Road, and bounded and described as follows:

Beginning at the intersection of the easterly side of the Montague Road with the northerly side of the Rattle Snake Gutter Road and running thence northerly along the easterly line of the Montague Road so-called, to the south side of the Cave Hill Road so called; thence northeasterly along the southeasterly side of said Cave Hill Road to the center line of a small brook; thence in a southerly direction along the center line of said brook to the northerly end of a culvert underneath the Rattle Snake Gutter Road; thence westerly along the northerly side of Rattle Snake Gutter Road to the point of beginning.

Being all the same premises as described in deed of Max Snider to Connecticut River Watershed Council, Inc., dated December 28, 1973, recorded with Franklin County Registry of Deeds, Book 1376, Page 87.

The above described premises are conveyed subject to Electric Power right of way running over said premises.

Bearings, distances and areas are approximate. Subject to any incumbrances of record, if any.

Said real property is conveyed to said Town of Leverett under the provisions of General Laws, Ch. 40, Sec. 8-C as it may hereafter be amended to be managed and controlled by the Conservation Commission of the Town of Leverett for the promotion and protection of the natural resources and for the protection of watershed resources of said Town.

In witness whereof, the said Connecticut River Watershed Council, Inc.

has caused its corporate seal to be hereto affixed and these presents to be signed, acknowledged and delivered in its name and behalf by John C. Calhoun, Jr.

its President this 28th day of June

in the year one thousand nine hundred and seventy-four.

Signed and sealed in presence of

Judith Harneri
Ench E. Ghyser

CONNECTICUT RIVER WATERSHED COUNCIL, INC.

by John C. Calhoun, Jr.

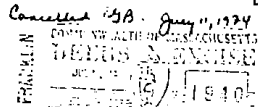


State of Vermont ss. June 28, 19 74

Windham County Then personally appeared the above named John C. Calhoun, Jr. President of Connecticut River Watershed Council, Inc. and acknowledged the foregoing instrument to be the free act and deed of the said corporation.

before me,

Judith Harneri
Notary Public
My commission expires Feb 19 75



TER 185 SEC. 6 AS AMENDED BY CHAPTER 497 OF 1969

shall contain or have endorsed upon it the full name, residence and post office address of the grantee if consideration thereof in dollars or the nature of the other consideration therefor, if not delivered for a specific monetary sum. The full consideration shall mean the total price for the conveyance without deduction for any liens or encumbrances assumed by the grantee or remaining thereon. All such endorsements and recitals shall be recorded as part of the deed. Failure to comply with this section shall not affect the validity of any deed. No register of deeds shall accept a deed for recording unless it is in compliance with the requirements of this section.

Franklin ss. Rec'd for record 2 Hr 12 Min P M July 11, 1974

BK: 1397 Pg. 091 Doc: DEED Page 1 of 1 07/11/1974 02:12PM

1974 00004349



Geology of the Gibavic Property, Rattlesnake Gutter Road, Leverett, Massachusetts

The property of Annette Gibavic, on Rattlesnake Gutter Road in Leverett, consists of a hayfield (approximately 10 acres) and upland forest (approximately 30 acres). The M.S. thesis of Lisa Oxboel, completed in 1998 under the advisorship of Peter Robinson, in the Department of Geosciences at the University of Massachusetts, includes geologic mapping of the entire Gibavic property. Lisa found that the outcrops exposed in the forested part of the Gibavic property are Dry Hill Gneiss (613 +/- 3 million years old on the basis of U-Pb dating of zircon by R. Tucker, Washington University), consisting of microcline gneiss, quartzite, and schist. The gneiss is 'pink to gray, medium-to coarse-grained, slabby to massive granitic gneiss composed mainly of quartz, microcline, oligoclase, and biotite, with or without hornblende...' (Oxboel, 1998, p. 14). Ashendon (1973, M.S. thesis, University of Massachusetts) argued for a volcanic origin of the Dry Hill Gneiss. He suggested that the strong layering and the diverse composition and texture suggested that the original rock may have been a felsic (light-colored, rich in Si and Al) pyroclastic sequence (derived by explosive volcanic eruption). Geochemical work by Hodgkins (1985, M.S. thesis, University of Massachusetts) confirmed that the present metamorphic rock is compositionally similar to modern rhyolitic tuffs. Hall and Robinson (1982, Geological Association of Canada Special Paper) suggested that the Dry Hill Gneiss might have been erupted during continental extension that led to the opening of the Iapetus Ocean around 600 million years ago. The Iapetus Ocean was the Precambrian equivalent of the Atlantic Ocean (which began opening around 180 million years ago).

On the Gibavic property, the Dry Hill Gneiss strikes slightly west of north and dips gently (9-25°) to the southwest. It makes up most of the bedrock of the forested area and the eastern half of the meadow. The western half of the meadow is underlain by a thin (~50 m thick) layer of Poplar Mountain Quartzite. The Poplar Mountain quartzite occurs at or near the base of the Poplar Mountain Gneiss (Oxboel, 1998). West of the layer of Poplar Mountain Quartzite, a layer of Poplar Mountain Gneiss (~150 m thick) underlies the Gibavic meadow. The Poplar Mountain Group is also Precambrian and is only slightly younger than the Dry Hill Gneiss. The Poplar Mountain Gneiss can be distinguished from the Dry Hill Gneiss by having more mica, a darker gray groundmass, and abundant white feldspar megacrysts (large crystals) compared to the Dry Hill Gneiss. It is likely to have been a sedimentary sequence that was derived from the underlying volcanic rocks of the Dry Hill Gneiss by erosion, transport, and redeposition (Hodgkins, 1985).

The western boundary of the Poplar Mountain Gneiss under the Gibavic meadow is the contact with younger, Ordovician rocks of the Fourmile Gneiss. The Fourmile Gneiss is a very thin strip of bedrock (approximately 10 m wide) underlying the meadow. These rocks are approximately 454 +/- 5 million years old (date determined by R. Tucker of Washington University). The Fourmile Gneiss, in contrast to the Dry Hill and Poplar Mountain Gneiss, is a metamorphosed plutonic rock, a tonalite, slightly darker-colored than granite, but one that also originally crystallized from a body of magma well beneath the surface of the Earth.

Finally, the Partridge Formation (Ordovician, 449 +/- 5 million years, dated by R. Tucker, Washington University) underlies the westernmost part of the Gibavic meadow, as well as Montague Road at this location. Just on the western side of Montague Road is the contact between the Partridge Formation and the Erving Formation (Devonian, less than 440 million years old). The Partridge Formation is a rusty-weathering sulfide-rich schist that is commonly associated with pegmatitic or granitic intrusions. The Partridge Schist has been suggested to have been derived from black shales like those found in restricted, oxygen-deprived marine basins in the modern world.

November 12, 2006

Sheila Seaman, Associate Professor
Department of Geosciences
University of Massachusetts Amherst

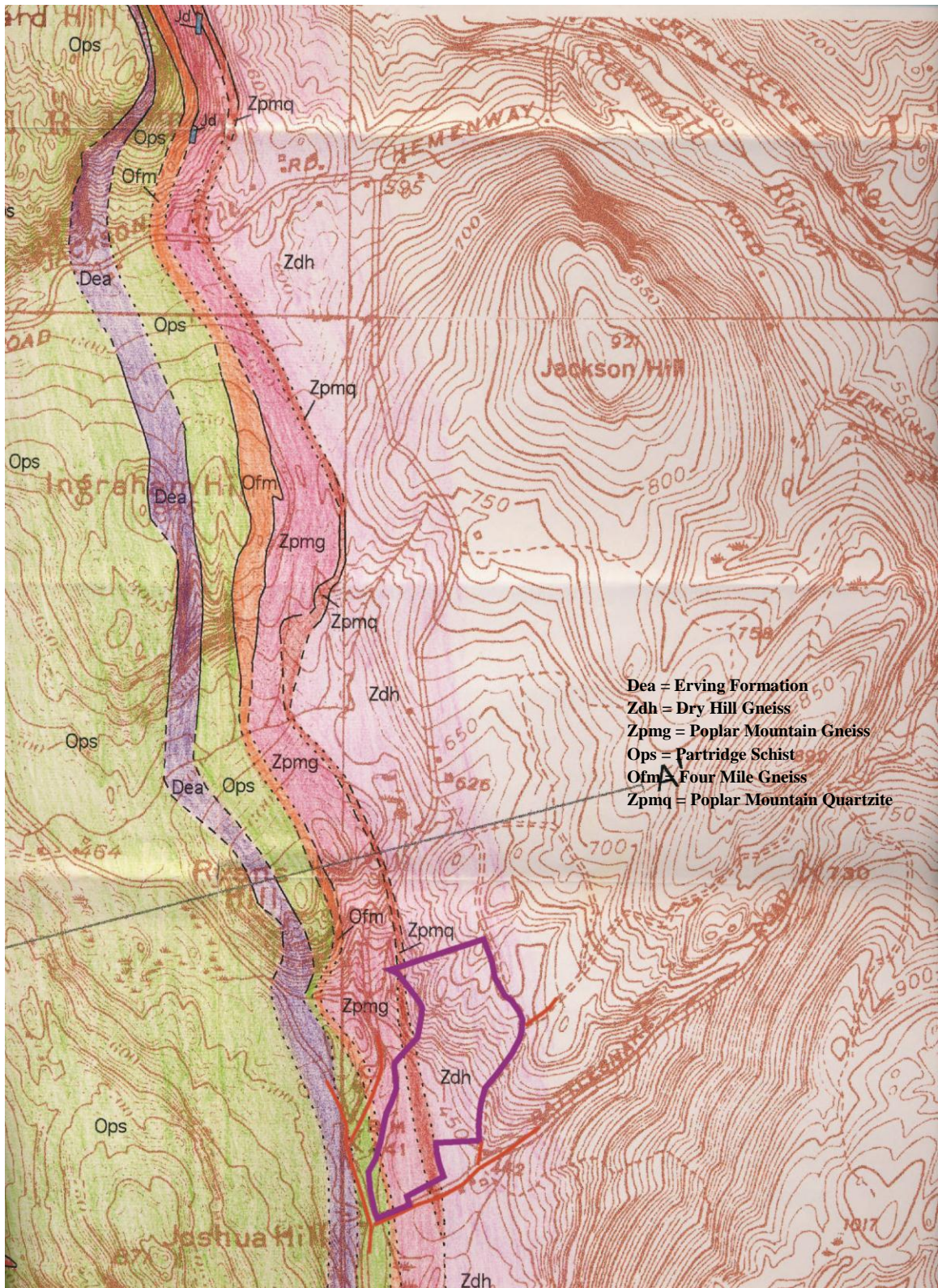


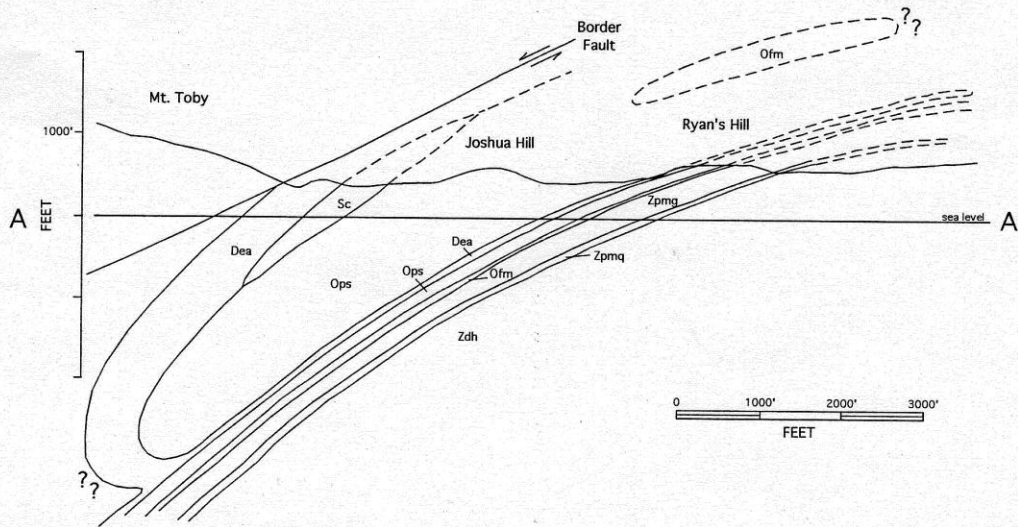
Plate 1. Geologic Map of Leverett Area, West Central Massachusetts

Oxboel, Lisa D, *Transition Between Neo-Acadian and Late Pennsylvanian Ductile Deformation and Metamorphism, West Limb of the Pelham Dome West-Central Massachusetts*, MS thesis, UMass Amherst, 1998.

(Outline of Gibavic Family Conservation Restriction added.)

PLATE 2. EXPLANATION FOR GEOLOGIC AND STRUCTURE MAPS AND GEOLOGIC CROSS SECTION A-A', LEVERETT AREA, MASSACHUSETTS

EXPLANATION		SYMBOLS	
Lower Jurassic	Jdi Diabase Dike Jdi: Fine-grained, buff-weathering dark gray diabase dikes.		Contact, location accurate
Devonian	Dea Erving Formation Dea: Finely layered fine- to coarse-grained hornblende-plagioclase-epidote amphibolite.		Contact, location approximate
	Deg Clough Quartzite Deg: Interlayered granular feldspar-biotite rock.		Contact, location inferred
Silurian	Scg Quartzite-Schist Member: Well bedded and foliated fine-grained pure quartzite and quartz-pebble conglomerate, micaceous quartzite, and quartz-garnet-muscovite schist.		Normal fault, location approximate Hatchures on downthrown side, where known
	Scsc Schist Coticule Member: biotite-feldspar granulite with interbedded quartzite and minor coticule, locally garnetiferous biotite granulite, and feldspathic biotite schist.		Normal fault, location inferred
	Sca Amphibolite Member: dark gray, fine-grained, massive hornblende-plagioclase amphibolite.		
Late Ordovician	Ops Partridge Formation Ops: Rusty-weathering quartz-biotite-muscovite-garnet schist, generally well foliated with local amphibolite and feldspathic schist. Closely associated with pervasive pegmatitic and granitic intrusions.		Strike and dip of foliation
	Ofm Fourmile Gneiss Ofm: Massive to well layered, light- to dark-gray, fine- to medium-grained interlayered biotite-plagioclase-quartz gneiss and amphibole which tend to produce differentially weathered outcrops.		Strike and dip of bedding
Late Proterozoic	Zpmg Poplar Mountain Gneiss Zpmg: Gneiss Member - brown to dark-gray, well foliated biotite-muscovite-feldspar gneiss with large white microcline megacrysts.		Trend and plunge of mineral lineation
	Zpmq Poplar Mountain Quartzite Zpmq: Quartzite Member - gray to buff, fine- to medium-grained quartzite with local actinolite layers. At or near contact with Dry Hill Gneiss.		Trend of horizontal mineral lineation
	Zdh Dry Hill Gneiss Zdh: Light-gray to pink, medium- to coarse-grained, foliated quartz-feldspar-biotite ± hornblende gneiss with pink microcline and white plagioclase megacrysts. Commonly well layered, but locally massive.		Trend and plunge of minor fold axis, rotation sense shown



Oxboel, Lisa D, *Transition Between Neo-Adian and Late Pennsylvanian Ductile Deformation and Metamorphism, West Limb of the Pelham Dome West-Central Massachusetts*, MS thesis, UMass Amherst, 1998

- Dea = Erving Formation
- Zdh = Dry Hill Gneiss
- Zpmg = Poplar Mountain Gneiss
- Ops = Partridge Schist
- Ofm = Four Mile Gneiss
- Zpmq = Poplar Mountain Quartzite

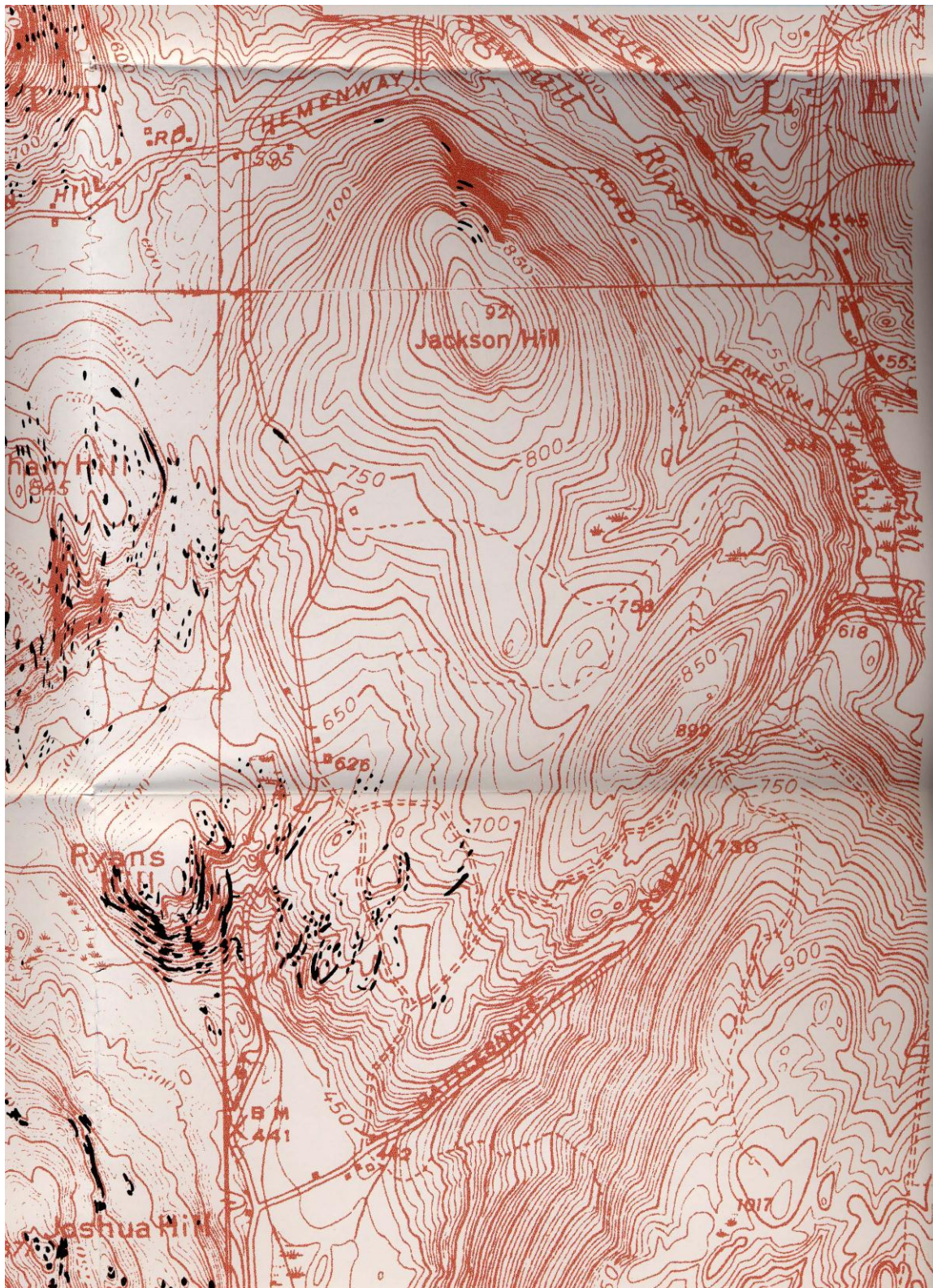


Plate 5. Outcrop Map

Oxboel, Lisa D, *Transition Between Neo-Acadian and Late Pennsylvanian Ductile Deformation and Metamorphism, West Limb of the Pelham Dome West-Central Massachusetts*, MS thesis, UMass Amherst, 1998.

Proposed Gibavic Conservation Restriction – Forest

The largest forested area is an upland forest of about 30 acres, or 75 percent of the Conservation Restriction, on a southwest facing slope that is northeast of the open field. (Please see the aerial photograph included in this baseline monitoring packet.) The forested slope has several low cliffs, at least one rocky slope, and two vernal pools. Two shallow valleys separate a low ridge perpendicular to the slope. The only other forested area is a narrow, flat strip along Doolittle Brook on the western border of the proposed area.

The upland forest is predominantly hardwoods (10 to 16 inch diameter at breast height), but eastern white pine and eastern hemlock are throughout, except in the valleys dominated by hardwoods. From the field below, scattered, dominant white pine, 20-30 feet higher than the canopy are visible. At higher elevations hemlocks are more common. The bottom of the slope is dominated by sugar and red maples, with quite a few shagbark hickories and white ash in moist areas, and scattered red oak. A rocky slope near the field had a wide mixture of species including basswood, flowering dogwood, hophornbeam, musclewood and pignut hickory in addition to the oaks and maples. Going up the slope, as it gets drier, oaks become dominant. Red oak is most common throughout and black birch is scattered. Black and chestnut oaks are present at the top of the slope. There are relatively few shrubs in the upland forest, primarily witch-hazel, maple leaved viburnum, a few patches of mountain laurel (a few appear to be dying as they are shaded out), lowbush blueberry and spicebush along wet intermittent streams.

The two vernal pools have a few black gums along the edge and many shrubs, particularly spicebush, winterberry and highbush blueberry, with a few speckled alders, alternate leaved dogwood and mountain laurel.

The streamside forest is dominated by sugar maple throughout, particularly on the north end, and may have been a sugar bush. Small white pines and gray dogwood have established along much of the field edge. There are occasional white ash and several American elms along with a few black cherries. There is a small pond with several black willows on the edge. There are a number of invasive shrub species, particularly common buckthorn, but also Japanese honeysuckle and Japanese barberry. There is also poison ivy and, at the pond, silky dogwood and buttonbush.

October 22, 2006

Brayton F. Wilson, Professor Emeritus
Department of Natural Resources Conservation
University of Massachusetts Amherst

Trees

Ash, white (*Fraxinus americana*)

Basswood, American (*Tilia americana*)

Birch, black (*Betula lenta*)

Cherry, black (*Prunus serotina*)

Dogwood, flowering (*Cornus florida*)

Elm, American (*Ulmus americana*)

Gum, black (*Nyssa sylvatica*)

Hemlock, eastern (*Tsuga canadensis*)

Hickory, pignut (*Carya glabra*)

Hickory, shagbark (*Carya ovata*)

Hophornbeam (*Ostrya virginiana*)

Maple, red (*Acer rubrum*)

Maple, sugar (*A. saccharum*)

Musclewood (*Carpinus caroliniana*)

Oak, black (*Quercus velutina*)

Oak, chestnut (*Q. prinus*)

Oak, red (*Q. rubra*)

Pine, eastern white (*Pinus strobus*)

Willow, black (*Salix nigra*)

Shrubs

Alder, speckled (*Alnus rugosa*)

Barberry, Japanese (*Berberis thunbergii*)

Blueberry, highbush (*Vaccinium corymbosum*)

Blueberry, lowbush (*V. spp.*)

Buttonbush (*Cephalanthus occidentalis*)

Buckthorn, common (*Rhamnus cathartica*)

Dogwood, alternate leaved (*Cornus alternifolia*)

Dogwood, gray (*C. racemosa*)

Dogwood, silky (*C. amomum*)

Honeysuckle, Japanese (*Lonicera japonica*)

Ivy, Poison (*Toxicodendron radicans*)

Laurel, mountain (*Kalmia latifolia*)

Spicebush (*Lindera benzoin*)

Viburnum, maple leaved (*Viburnum acerifolium*)

Witch-hazel (*Hammelis virginiana*)

Winterberry (*Ilex verticillata*)