(200) R290 no.722

U.S. GEOLOGICAL SURVEY:

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64-81

"PRELIMINARY MATERIALS MAP OF THE GREAT BARRINGTON QUADRANGLE, MASSACHUSETTS"

by

G. W. HOLMES

184851

20 APR 1964

Location: County Berkshire		Station number1NewXActiveTownMarlboroughPitInactive	
Road location Road Konk	S. SW of i west sid capot River	Hartsville-Mill River 42°07'45" e of Ceerdinates 73°16'	'n
Textural description sandy g	ravel	Eng. Soil Type GW	TANK
Dimensions of deposit: Areal	extent 11	15'- 00' x 2000' Estimated thickness 30'	NCLE
Dimensions of pit: Areal ext	ent <u>125' x</u>	125' Expessed thickness 20'	
Lithelogic composition (appro	ximate %) _		
Grain size: Maximum <u>52"</u>	Mean 2.5"	Est. % of sand 55 Est. % fines 7-9	
Rounding <u>subrounded</u> Gra 5 ^H A	ding well	graded Serting poor A: 10 yr 6/3	
Seil development 24" B Variat	le below	Color B: 10 yr 7/6	9
Oxidation or staining B hori	zon	Leaching 7/2	M
Secondary deposition		Reactive matter CaCO3	
		Section:	
Rock type Remarks	Percent		
uartzite some dark green Sandstone, conglomerate Arkose	64 10		
and "Cheshire sa Limestone, Dolostone, Marble	ndstone"		0
neiss chists Some amphibalite	11	L.C. Corlegion, G.	
aneous	12	C - V314cmool Survey C - FILE MAP	OCIS
uartz	2	S AV 36 reliminary and has S A Social or regional for Senity with Goolegy coll for	SI
fisc.	1	Standards or nomenclature.	
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meral Description:			
		sand nabhle and cabble gravel	-
0'(?) of poorly sorted, poorly ith some silt. Boulders amoun	stratified t to about	7-10 percent of entire mass.	Z
O'(?) of poorly sorted, poorly with some silt. Boulders amoun Materials become finer toward K	stratified t to about onkapot Riv	7-10 percent of entire mass. ver.	ROJEC

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TTATA dine nellancohyc onactimetodie	F:	ield	and	meg	asco	pic	obset	rvations	:
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Field and megascopic observation	\$:			
Location: County Berkshire S. s Road location Hill	lide of New . Road	New X Active Town Marlborough Pit Inactive Marlborough Ceordinates 73°15'30" W		Grea
Geologic unit or occurrence W	aterlaid i	ce-contact deposit: kane terrace	Ê	т Ш
Textural descriptionpebble	sand	Eng. Soil Type SW	DRAN	arri
Dimensions of deposit: Areal	extent 20	000' x 2800' Estimated thickness 100' overall:	GLE	ngton
Dimensions of pit: Areal ext	est <u>3001</u>	x 500' Exposed thickness 70'		
Lithelogic composition (appre	ximate %)			
Grain size: Maximum 60"	Mean 1.5"	Est. % of sand 80 Est. % fines 0-3		
Rounding subrounded Gra	ding well	graded serting medium		Mass
Seil development topsoil str	ipped	Color sand of C Horizon: 10 yr 7/	/6	ach
Some S Oxidation or staining silty	taining in	Leaching	SLV	uset
	Ballu	Ga60o	3	5
Secondary deposition		Reactive matter		
		Section:		
Rock type Remarks	Percent			
Quartzite Sandstone, Some arkose	52			e
conglomerate	6			10 E
Limestone, dolostone,			ឆ្អ	
marble	6		ğ	S
Gneiss	17	-	୍ଷ	P.
John Jone Amphibolite			IS	ş
Igneous	ł	-	-3	1
Quartz	4	-		
Misc.	4			
		_		Aug
				sn2
	+	-4	đ	٦ ۲
			E.	8
		_	.~	[
langral Description.	A			
3 adjacent pits at different 1 bedded coarse pebble sand, san well-sorted pebble gravel; over sandy pebble and cobble gravel	evels. En d, and sil r 25'-30' a Pit 2 b	tire section includes 30' of inter- ty fine sand; over 10'-15'(?) of of coarse sand including lenses of adly slumped and inactive.	PROJECT	lass. Material
	0			0

Field and megascopic observations:

Location: County Berkshire	New <u>Active</u> New <u>Active</u> Marlborough Pit X Insctive	-
Road location of	No' south of Crosby Road; 400' west 42009: N Konkapot River Ceerdinates 73°15'45" W	
Geologic unit or occurrence	Waterlaid ice-contact deposit: kame terrace	- 2
Textural descriptionpet	ble sand Eng. Soil Type SW	- DRAI
Dimensions of deposit: Are	al extent 1000' x 2700' Estimated thickness 60'	
Dimensions of pit: Areal of	xtent 50' x 75' Expessed thickness 40'	-
Lithelogic composition (app	rexinate %) 70% quartzite	-
Grain size: Maximum 8"	Hean 0.75" Est. % of sand 85 Est. % fines 1-3	2
Rounding subrounded G	rading well graded Serting medium	_
Soil development <u>24ⁿ B</u>	A: 10 yr 5/2 Coler <u>B: 10 yr 6/8</u>	
only Oxidation or staining B hor	slightly below C: pebble sand: 10 yr 7/6 rizon Leaching	SIVI
Secondary deposition	Reactive matter CaCO3	- 11
	Section:	
Rock type		
		D CI
		ង
		E
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• • • • • •		ļ
meral Description:		
Pit walls are badly slumped. poorly stratified pebble sam	One small exposure shows well graded, d.	ROJEC
		버
	3	

Field and megas	copic observation	18 ;					
			Nee	Station	maber 6		
Location: C	ounty Berkshire		Town Mai	(clborough p	Active	ive	
pour contraction of the second	Sout	th side of	Crosby Ro	ad: 1000'	42°09	1 N	
R	oad location west	t of Konkap	ot River	Coordinat	·•• <u>73°16</u>	<u>W</u>	ភ្ន
Geologic uni	t or occurrence	Water-laid	l ice-cont	tact deposit:	kame terrac		reat
Textural des	cription pebble	sand		Eng. Seil	Type SW		Barr
Dimensions •	f deposit: Areal	extent 10	00' x 270	01 Estimated	thickness 60		ingto
Dimensions o	f pit: Areal ext	ent <u>50' x</u>	100	posed thicks	30'		ğ
Lithelogic c	ouposition (appre	ximate %)	70% g	uartzite			
Grain size:	Maximum 8"	Mean 0.75"	Bst. % •	f sand 85 Ke	it. % fines _(0-2	
Rounding Su	brounded Gra	ding well	graded	Serting	medium		
Soil develop	4" A 10 yr 5 ment <u>16" B 10 yr 6</u>	5/2 5/8	Coler	materials o 10 yr 7/2	of C. horizon	\$	Mas
Owldation on	little	or no sta	ining	achim		SIY	Bac
ATTATION OF	statutus Derow	D HOLIZOH				- 1	hus
Secondary de	position		Reactive	matter	CaCO3		ett
				Section:			Ċ.
Rock t	TDE	T]				
		<u> </u>	4				
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			1				B
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		1	-1				us.
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L	***						
Constal Deceris	tion.						
General Descrip	LICE: d floom one hedl-	.		1	4 6		M
exposure near	r top shows coars	e pebble s	and. Ter	LLy vegetate tural descrip	u. STALL ption based	FRG	S S
in large par	t on appearance of	f material	s in slum	p debris.	L - main a mada	C S	Z
						Я	5
		4					12

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•	•	Station number7		
Location: County Berkshire	To	New <u>Marlborough</u> Pit <u>Inactive</u>		
Eas Road location <u>sou</u>	t side of Cor th of Hartsvi	ashire Road; 3500' 42'09' N 11e Coordinates 73'15'30" W	-	Gre
Geologic unit or occurrence	Waterlaid ice	-contact deposit: kame terrace	- QUA	at B
Textural descriptionpebble	sand	Eng. Soil Type SW	DRAN	arri
Dimensions of deposit: Areal	extent 20001	x 4000' Estimated thickness 80'	GITE	ngtoj
Dimensions of pit: Areal ext	ent <u>150' x 2</u>	001 Exposed thickness 251	-	2
Lithologic composition (appro	ximate %)		-	
Grain size: Maximum <u>60"</u>	Mean <u>1ⁿ</u> Es	t. % of samd 80 Est. % fines 0-3	-	
Rounding subrounded Gra 7" AB mix:	ding well gr	AB: 10 vr h/h	-	las s e
Seil development 20" B		Color <u>B: 10 yr 5/8</u>		l chi
Slight Oxidation or staining below	staining B horizon	Leaching	TATE	lsett
Secondary deposition	Re	active matter CaCO3	-	6
F	 1	Section:		
Rock type Remarks	Percent			
Guartzite Some dark green Sandstone, conglomerate	37 8			John
Limestone, dolostone,	Ę		_	Ati
Gneiss	26		CEO	ner
Schists	10		Ş	5
Igneous mafic felsic	1		IST	
Quartz	10			

Quartz	10
Misc.	3

General Description:

12' of well stratified, well graded sand over 10' of very sandy pebble gravel and sand. A few boulders litter floor of pit.

August 1963

DATE

PROJECT

Field and megascopic observations:

		N.	Static	a number	8,9		
Location: County Berkshire		New Town Marl	borough	Pit X	Active Inactive		
Eas	t side of u	nnamed roa	d 800'	12	209130" N		
Road location nor Mil	th of inter 1 River Road	section wi	t leor din	ates _7	3°16' W		Or r
Geologic unit or occurrence W	aterlaid ic	e-contact	deposit:	kame to	errace	Ê	eat
Textural description sand	y gravel		Eng. Se	il Type	GW 15'-	ORAN	Barr
Dimensions of deposit: Areal	extent 50	0' x 1700'	Betimat	ed thick	ness 201	ile	ingt
Dimensions of pit: Areal ext	ent <u>501 x 1</u>	125' Expe	sed thic	kness	12'		non
Lithelogic composition (appre	ximate %) _			an a			
Grain size: Maximum 20"	Mean <u>1</u> "	Est. % of	sand 50	Est. % f	imes <u>0-2</u>		
Rounding subrounded Gra	ding we	<u>11</u>	Serting	mediur	<u>n</u>		
4" A weak fo	prest	A	: 10 yr	ц/ ц			Ma
Soll development 20" B soll		Color_B	: 10 yr (0/0	10 2/	- 60	ŝ
Oxidation or staining below B	horizon	ing sa	hing	norizoni	10 yr //4	TATE	achu
Secondary deposition		Reactive m	utter	CaCO3			sette
	1	34	ction:				
Rock type	Percent						
Quartzite	53						
Sandstone, conglomerate	5	-					c.
marble						ର	ohn
Gneiss	26					- Si	At
Schist	6	4				8	he
Igneous						ISI	rtor
Quarts	8						
Misc.	2]					S
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						MTE	8

General Description:

Pit 9: 12' of well-stratified sandy pebble gravel. Upper 4' includes cobbles amounting to ca. 6-9% of entire mass. Pit 8 badly slumped.

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Mass. Materials PROJECT

Field and	megascopic	observations:
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Location: Count	y Berkshire Hartsville	Station number 10 New Town Marlborough Pit X Inactive Read O.1 mi. South 42009! N	-	
"" Road	location of Hartsvi	ille Coordinates 73°18' W		01.0
Textural description	tion cobble gravel	Bang Sail Type GW	MDR	e e
Dimensions of de			ANGI	
ULREBELOILS OF GE	iposit; Areal exter	at 1500 x 300. Estimated thickness 15.	. 🖂	đ
Dimensions of pi	t: Areal extent	Exposed thickness	-	
Lithelogic compo	seition (approximate	a %)	.	
Grain size: Max	cimum Mean	Est. % of sand Est. % fines	.	
Rounding	Grading	Serting	.	
Soil development	:	Coler		
Oxidation or sta	lining	Lesching	SLV	0000
Racondary denori		Paact (we matter	·	HCU1
Secondary meposi				1981
Pack two	·····	Section:		сі В
ROCK Cype				
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······				or no
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			MII	n
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nal Becardation	•			ass.
BERGE BESCEIPTIO	4.:			Ma
nallow excavation est should provide	n in small esker.	Large esker immediately to the	ROJ	ter
Fe • • •	or owhere or	87 a 107 4	Ĩ.	als
	7			

Field and magascopic observations:



Field and meg Location:	county Berksh:	tions: ire	Town	Stat New Marlborough	ion number	Active		
	Road location	West side of	Lake B	Lel Coord	inates 73	9°17' W		Great
Geologic u	mit or occurren	ce Ice chann	el depo	sit: esker			8	B
Textural d	escription sa	ndy gravel			Seil Type	GW	DRA	urris
Dimensions	of deposit: A	real extent 1	.00' x 5	0001 Estim	ated thicl	kmess <u>50'</u>	- CLR	ngton
Dimensions	of pit: Areal	extent 50)1	Exposed th	ickness	351		
Lithelogic	composition (a	pproximate 7)						
Grain size	: Maximum <u>3</u>	0" Hean _2"	Est.	% of sand 60	0 Est. %	fines <u>0-3</u>		
Soil devel	Forest s epment <u>u" A, A2</u> Var	oil 20" B iable oxidati	Col	A, A ₂ : er B:	10 yr 4/4, 10 yr 5/8	, 10 yr 7/1	្រា	Massac
Oxidation	or staining thr	oughout secti	.on	Leaching _			NT.	hus
Secondary	deposition		React	ive matter	CaCO3			ett
				Section:	-			l a
Rock	t ype	Percent	5					
Quartzite		43						
Limestone.	dolostone.							5
marble		3					ନ୍ତ	B
Gneiss		1 11					101	A
Schist (+ A	mphibolote)						00	he
Igneous	felsic	1	_				ISI	S
Quartz		9						
Misc.		4						

August 1963 MATE

Mass. Materials

General Description: 30' of poorly sorted sandy pebble and cobble gravel with boulders.

Field and megascopic o	bservations:
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	Station number 13 X Active	
Location: County Berkshire	Town Monterey Pit Inactive	1
East side of Road location <u>southeast of</u> Rts. 57 and 2	Rt. 57; 1500' 42°11' N intersect. Coordinates 73°17' W 3.	
Geologic unit or occurrence Waterlaid	ice-contact deposit: kame terrace	8
Textural description sandy gravel	Eng. Seil Type	ADRAN
Dimensions of deposit: Areal extent 1	200' x 5000' Estimated thickness 50'	GLE
Dimensions of pit: Areal extent75'	x 2001 Expessed thickness 251	
Lithelogic composition (approximate %)		
Grain size: Maximum 48" Mean 15"	Est. 7 of sand 70 Est. 7 fines 1-3	
Rounding subrounded Grading	well Sorting medium	
Seil development <u>32^H B</u>	A: 10 yr 4/4 Color <u>B: 10 yr 5/6</u>	
Oxidation or staining below B horizon	c: 10 yr 7/4 Leaching	TAN
Secondary deposition	Reactive matter CaCO3	
	Section:	

John Athertson GEOLOGIST

August 1963

Mass. Materials

PROJECT

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Rock type	Percent
Quartzite	40
Sandstone, conglomerate	6
Limestone, dolostone, marble	2
Gneiss	18
Schists	22
Igneous	
Free quartz	ш
Misc.	3

General Bescription: 10' of interbedded coarse silty pebble gravel and fine sandy pebble gravel (well stratified) over 10'-15' of well-stratified, wellgraded sand, beds which dip to south. Ripple marks show nicely in fine and medium sandy beds.

Field and megascopic obser

Terd and megascopic observation			Station	number	1 <u>1</u> 1		
Location: County Berkshire Nor Road location Camp	T th side of ac os along west	New Comm Marlbo cess road side of	to Ceerdinat	Pit $\frac{\mathbf{X}}{42^{\circ}}$ es 73°	Active Inactive 10' N W		-
Geologic unit or occurrence	; Buel Waterlaid ic	e-contact	deposit	с ¹		Qui	Great I
Textural descriptionpebbly	r sand		Eng. Soil	Туре _	SW	Ê	Bar
Dimensions of deposit: Areal Dimensions of pit: Areal ext	extent <u>600'</u> (si (si	ngle	Estimated	i thickm	35" or 140"	CLE	rington
Lithelogic composition (appro	minate %)						
Grain size: Maximum 16"	Mean <u>1.5"</u> E	et. % of s	and <u>75</u> Ks	it. % fi	••• <u>5-7</u>		Ma
Rounding subrounded Gra Forest soil Soil development 2" to 5" A.	Apr 16^{m} to	well 8 A, Color	A ₂ ; 10 yr B: 10 yr	poor 4/4, 10) yr 7/		ssach
30" B Oxidation or staining Variable horizon	le below B n. Some stain	C h Leach is on pebbl	orizon (s ing	and) 10	yr 7/6	SIVIS	usetts
Secondary deposition	R	eactive ma	tter	CaCO3			
Bock type	Percent	360					
Quartzite	50 6	A		view to	the nort	'n	
Limestone, dolostone,		pebbles	sain	ded	and		ور
Gneiss	28	pebbl	e vell	Bra			ohn
Igneous		yor gravel	Ĥ	sand		OG15	Athe
Quartz	6		/ /				rton
Misc.	4	\downarrow					
							Augu
							84
						E	8
						ন	G
General Description: 61-301 of	well-graded	sand and r	ebble sar	vi (vell			1
stratified) overlaid by 2'-5' of are overlain by l'-3' of non-st yr 7/8) most of which is includ some sand beds.	of pebble gra tratified, si led in A and	lty, till- B soil Hor	tified ma like debr izons. 7	terials is (10 iny fau	lts in	PROJECT	Ma ss . Mate

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Mass. Materials

eld and megascopic observat	lors;			
Location: County Berkshi	re	Great Active Town Barrington Pit X Inactive	- 	
Road location S	W side of La	ke Buel Road Coordinates 73018: W	-	irea
Geologic unit or occurrence	e <u>Ice-chan</u>	nel deposit	- 2	с т Бр
Textural description sand	y gravel	Eng. Seil Type		TTL
Dimensions of deposit: Ar	eal extent 1	200' x 1500' Estimated thickness 50'		ng ro
Dimensions of pit: Areal	extent 25'	x 25' Expessed thickness 15'		ä
Lithelogic composition (ap	preximate 7)		-	
Crain eize: Mavimum 128	Mann 51	Pat 7 of and 50 Pat 7 fines 1-5	-	
			-	
Rounding subrounded (Grading	C horizon: 10 yr 7/4	-	CRU
Seil development <u>16ⁿ B: I0</u>	$\frac{5}{8}$	Coler	- 9	0401
Oxidation or staining belo	w B horizon	Leaching	- ATE	achi
Secondary deposition		Reactive matter CaCO3	-	ŝ
		Section:		
Rock type				
		-		
Ny sala dan 12 din di paté kélé nérana si ang sang sang sang sang sang sang sang		-		
<u></u>			GEO	
		-	LOC1	
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aral Description:				
iny pit badly slumped. Mat	teriais appea	AL TO DE BAUE 28 TOL DIT TO?	FRO	
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Field e	and m	egascopi	c obse	rvations;
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LTATO GDO MER	ascopic observatio		Station	number 16	.
Location:	County Berkshire	· Town	Great Barrington	Pit X Inactive	,
	Road location NE	side of Lake Bue	al road Ceordine	12°11' N 73°18' W	
Geologic u	nit or occurrence	Waterlaid ice-	contact deposit	kame	. Q
Textural d	escription sand	ly gravel	Ros. Soi	1 Type GW	MDR
Dimensione		1		10'-	
U ime no 1 cm s	er deposit: Area	1 extent 1200, 2	1500. Katimate	a thickness 50	
Dimensions	of pit: Areal ex	tent 60' x 75'	_ Exposed thick	nese <u>20</u> *	•
Lithelogic	composition (appr	•xinate %) 50%	quartzite: 25%	-30% gneiss	-
Grain size	: Maximum 18"	Mean <u>.5"</u> Bet.	% of sand 50 K	st. % fimes <u>1-5</u>	-
Rounding	subrounded Gr	ading well gr	aded Serting _	medium	. 74
Seil devel	o" A ploug epment <u>الم</u> B	hed 10 yr 4/4 <u>10 yr 5/8</u> Co	lor <u>C horizon</u>	10 yr 7/h	SBac
Oxidation	or staining Little	or no oxida-	Leaching		STV1
Secondary	tion bel	ow B horizon	tive metter	CaCO-	2005
					•
Rock	type		36CT108:		
	-)}-				
					e
					G
					OLOC VIL
					ISI
					n
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+					AU
					a 1912
					ALL L
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General Bescr	iption: 2 small	pits within 50'	of each other.	h' shovel hole	
at top of se	ction shows very i	fine sandy pebblo	gravel.	•	3
					H
		13			

F	ield and mega	ascopic observa	tions:		Otation number	17		
	Location:	County <u>Berks</u> Road location	hire 300' north Brook Road	Great Town Barri of Stoney	ngton Pit X L2° Ceerdinates 73°	Active Inactive 13' N 19' W		J J
	Geelogic un	ait or occurres	ce <u>Waterla</u>	id ice-contac	t deposit: kame	î		reat
	Textural de	scription pe	bble gravel		Eng. Soil Type	GP	MAN	Barı
	Dimensions	of deposit: A	real extent	300' x 400'	Estimated thick	3 01		ring
	Dimensions	of pit: Areal	extent 501	x 100' Expe	sed thickness	25'		ton
	Lithelogic	composition (a	ppreximate %) 50% quartzi	te; 20% limeston	e; 15%		
	Grain size:	Maximum 12"	Mean	" Est. % of	sand 40 Est. % f	imes <u>1-3</u>		
	Rounding	subrounded	Grading	poor	Sorting well s	orted		
	Seil develo	5" A 10 pment <u>30" B 10</u>	yr 4/4 9 yr 7/4	Color				Mas
	Oxidation of	Li pr staining be	ttle or no s low B horizo	taining n Leac	hing			sach
	Secondary d	leposition		Reactive m	atter CaCO3			usett
87					ction:			CA
	Rock	type						
Γ								Job
t		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -					Ë	In A
t							OC1S	ther
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								196

General Description: Pit walls badly slumped. Used by owner for fill on property and as site for rubbish dump.

Mass. Mater

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Field and megascopic observa	tions:	Station number 18	-	
Location: County Berkshi	ire Tow	a Barrington Pit Inactive		
Road location (Off Rt. 7; 3 mi. N Breat Barrington	<u>Ceerdinates 73⁰20'</u>	i	
Geologic unit or occurren	ce <u>Waterlaid</u> ice-	contact deposit: kame	2	Great
Textural description san	dy gravel	Eng. Soil TypeGW	LDRAU	L Baj
Dimensions of deposit: A	real extent 600' x	600' Estimated thickness 75'	IGLE	rrin
Dimensions of pit: Areal	extent 500' x 500	Exposed thickness	-	gton
Lithelogic composition (a	pproximate %)			
Grain size: Maximum 8"	Mean 1-2" Est	. % of sand 50 Est. % fines 1-2		
Rounding subrounded	Grading well	Serting medium to poor	-	
Seil develement Forest	soil c	10 yr 7/4 (sand of C	•	Mass
Lit	tle or no staining	Viol notizon/	SIL	sach
Oxiderion of statuting Der	DW B NOTIZON		- 11	uset
Secondary deposition	Kea	ctive matterCally	•	ŝ
Back type		Section:		
uartzite	Percent			
Sandstone, conglomerate	40 5			
Limestone, dolostone, marble	23		0	Jo
Gneiss Schists	2		EOLO	hn A
Igneous			GIST	ther
Quartz	1			8 B
Misc.	1			
				A
				ugus
			đ	7 ⊢
			ATE	8
(some with pebbles) and po is current bedded, in a fe indication of collapse.	ating layers and l orly sorted, poorl w places deposited	enses of coarse to medium sand y stratified medium gravel. Sar at low angles. No strong	ROJECT	Mass. Mater
	15			rial

Field and megascopic observations:

		Station number 19		
Location: County Berkshire		Great Active Town Barrington Pit X Inactive		
Road location Monum	south of ent Valley	intersection 42°16'30" N Road and Coordinates 73°20' h	i i	С С
Geologic unit or occurrence W	aterlaid i	ce-contact deposit: kame	â	reat
Textural description sandy	gravel	Eng. Seil Type GW 101_	DRANC	Barr
Dimensions of deposit: Areal	extent 20	000' x 5500' Estimated thickness 75'	Ë	ingt
Dimensions of pit: Areal exte	int 2001 x	250' Exposed thickness 35'		0 D
Lithologic composition (approx	cimate %)			
Grain size: Maximum 14"	1 an 1-1.25	Est. % of samd 50 Est. % fines 7-9		l
Rounding subrounded Grad	ling we	ell graded serting medium		Me
Seil development topsoil stri	pp ed	Color C horizon 10 yr 7/4		Issa
Fe ₂ O ₃ s	tains on	Teaching	STA	chus
VALUELINA OF SCALARING DEPOTES			H	sett
Secondary deposition		Reactive matter		0
		Section:		
Rock type Remarks	Percent			
Quartzite Sandstone	8			
conglomerate Some arkose	10			Joh
marble	46		HE O	5
Gneiss	6		S	th
Schists chlorite	20		ISL	erto
Igneou s mafic felsic	2			ă
Guartz	6			
Misc. rotten stone	2			
				Augu
			R	st
			A	1963

General Description: Pit walls badly slumped. Exposures along rim of pit show General Description: Pit walls badly slumped. Exposures along rim of pit show fine to medium pebble gravel. Exposures lower in section show fine to coarse sand and sandy gravel. Some lenses of well-sorted pebble and cobble gravel. Field and megascopic observations: 20 Station number Active Great Inactive Location: County Berkshire Town Barrington Pit X 450' W. of U.S. Rt. 7, north Great Barrington Road location edge of quadrangle Coordinates Geologic unit or occurrence Waterlaid ice-contact deposit: kame QUADRANGLE GP Textural description sandy gravel Eag. Soil Type Dimensions of deposit: Areal extent 1 mi. x .6 mi. Estimated thickness 100' Dimensions of pit: Areal extent 300' x 250' Exposed thickness (ca) 45' Lithelogic composition (appreximate %) Grain size: Maximum 6" Mean 0.75" Est. % of sand 50 Est. % fines 2 Rounding rounded 6 Grading 6 A; pebble gravel well sorted poor Serting A: sandy fines are 10 yr 3/2 Massachusetts Color*B: sandy fines are 10 yr 4/4 Seil development 32" B; pebbly sand 5/3 C: sand and pebble gravel; TATE Leaching 2.5 y 6/2 Oxidation or staining Occasional FegOz and MnO2 crusts and coatings on pebbles Secondary deposition Caliche Reactive matter CaCOa Section: Rock type Percent Sandstone, conglomerate IJ Quartzite John Atherton Limestone, dolostone, 11 marble GEOLOGISI (chlorite, qtz.-Gneiss 0 A(musc., amphibolite) 20 Schists ~ Mafic Felsic 3 Igneous 0 15 Quartz Misc. 2 August 14, 1963 General Description: Pit walls are badly slumped. Small exposures show well-Mass. Materials stratified fine to coarse sand horizontally interbedded with pebble gravel. ROJECT

Geologist G. W. Holmes Date November 1963 Project Mass. Materials Great Location: Quadrangle Barrington State Mass. Town Gt. Barrington Identifying symbol A Lat 42°15' N. Long 73°22' W. Road coordinates On Van Duesenville Road 1/2 mile south of Housatonic Village Accessibility Between two good roads and near railroad tracks Geologic unit Outwash deposits Topography Nearly flat Water supply Eastern edge extends to banks of dammed pond in Housatonic River Estimated texture Pebble gravel (minimum) Dimensions: Areal extent 3000 x 5000 Estimated thickness 401 Present land use Agriculture and residential Local abundance of similar materials Many sources of gravel in this quadrangle General description: Well stratified, moderately well graded pebble gravel with some cobbles.

Evaluation: Suitability, and potential utilization.

Enormous supply of good quality gravel, easily recovered and accessible to roads and railroad. Water supply is poor as the Housatonic River is badly polluted. Williams River to the west would be suitable for washing water.

Geologist_	G. 1	N. Holr	nes	No	vember]	1963 Pro	ject Mas	s. Material
Location:	Quadi	angle_	Great Barringt	on State	Mass.	T თო	Monte	rey
Ident	ifying	s symbo	1 <u> </u>	Lat	42 ° 101	N. Lon	<u>73</u> °	16' W.
Road	coordi	nates_	Between	Corashir	re and H	atchery	Roads	
Acces	ssibili	lty	Adjacent	t to both	n roads			
Geelogic u	mit	Waterl	aid ice-o	contact o	leposit:	kame a	nd kame	terrace
Topography	Flat	, narr	ow steep.	-sided ka	ume to t	errace j	oining c	onical kame
Water supp	ly_Ne	xt to	Konkapot	River, a	clean,	fast-fl	owing st	rean
Estimated	textu	e_Cob	ble grave	el with a	some bou	lders		
Dimensions	: Are	al ext	ent 1500	х 400 г в	stimated	i thicks	8080)1
Present 1a	und use	Fo	rest					
Local abur	nd ance	of sim	ilar mat	erials M	any pits	in this	area, b	out few with
				1	arge-siz	e materi	als	
General de	acript	:1 0a :						
Poorly s	tratif	ied, p	oorly so:	rted cobl	ble grav	el with	some bou	lders in

matrix of clean sand.

Evaluation: Suitability, and potential utilization.

Good source of coarse aggregate near stream. Necessary to bridge stream for access on the east, but close to road on west. Moderately large supply of material.

Date November 1963 Project Mass. Materials Geologist G. W. Holmes Great Town Great Barrington Mass. Location: Quadrangle Barrington State 73°17' ₩. Lat 42011' N. Long Identifying symbol C Read coordinates Parallel to Lake Buel Road Accessibility See above Geologic unit Waterlaid ice-contact deposit: kame delta Tepegraphy Long flat terrace with large depressions and a long esker at south end. Water supply Near Lake Buel and small inlet creek Estimated texture Cobble gravel Dimensions: Areal extent 1500 x 6000'Estimated thickness up to 100' Present land use Partly forest, with cottage sites along lake shore Local abundance of similar materials Several small pits nearby General description: Very large kame delta, with horizontal and inclined beds, poorly sorted, variable stratification, with collapse structures, and large variety of grain-size.

Evaluation: Suitability, and potential utilization.

Enormous supply of good quality grave, easily accessible. Land costs prohibitive toward lake. Very small abandoned pits at north end.

Geologist <u>G. W. Holmes</u> <u>Date November 1963</u>Project <u>Mass. Materials</u> <u>Great</u> Location: Quadrangle <u>Barrington</u> State <u>Mass.</u> <u>Teve New Marlborough</u> Identifying symbol <u>D</u> <u>Lat 42°10' N. Long 73°17' W.</u> Road coordinates <u>West of Corashire Road, 1 mile north of Hartsville</u> Accessibility <u>Southern end of deposit near road</u> Geologic unit <u>Ice-channel deposit, associated with small kames</u> Tepegraphy <u>Steep-sided high narrow ridge</u> Water supply <u>Konkapot River about 1/4 mile to the east</u> Estimated texture <u>Probably cobble gravel with some boulders</u> Dimensions: Areal extent <u>2500 x 400' Estimated thickness 30-40'</u> Present land use <u>Forest</u>

Local abundance of similar materials <u>Many pits and gravel deposits nearby</u> General description: Moderately large, high esker or ice-channel deposit probably composed of poorly sorted cobble gravel, with lenses of boulders and clean sand. Part of same complex as kame and kame terrace described at locality B, and also associated with esker and kame group to the west near Stevens Pond.

Evaluation: Suitability, and potential utilization.

Good source of clean gravel, easily accessible, but not adjacent to water supply. Although there are many sources of gravel in the immediate area, many are home and lake-shore cottage sites, which give this deposit relative value.