

Elevations: Black Head Mtn. from the East Kill 6/9/85

532-3

	Pressure	Map Elevation	Δp	$\Delta elev$	Calc Elevation	Time	Location
	29.44	2110'	0.00		—	8:37 AM	3rd parking area NE of Colgate Lake
(A)	29.37	↑	0.07	63	2173		Trail enters woods
(B)	29.33		0.11	99	2209		leave old road & trail; begin bushwhack
	29.22		0.22	198	2308		slope steepens, 5° to 10°
(C)	29.15		0.29	261	2371	9:10	blaze crosses rill; grade steepens further
(D)	29.00		0.44	396	2506		old road crossy
(E)	28.90		0.54	486	2596		highest BASS
	28.70		0.74	666	2776		spur on E
(F)	28.60		0.84	756	2866		log road
(G)	28.54		0.90	810	2920	9:46	Columbine photo; last fir OST
(H)	28.46		0.98	882	2992		<u>first spruce</u> ; last <u>oaks</u> ; <u>dead fir</u>
(I)	28.35		1.09	981	3091		log road on W wet terrace; last <u>ASH</u>
(J)	28.26		1.18	1062	3172		<u>spruce</u> grove; <u>1st SOB</u>
(K)	28.18		1.26	1134	3244		view of Black Dome Col, slightly higher
(L)	28.04		1.40	1260	3370		Thickets of hwdw & shrub begin
(M)	27.98		1.46	1314	3424		→ 1st sugar grove; end <u>spruce</u> grove
(N)	27.94		1.50	1350	3460		2nd sugar grove; fir ; 1st white trail marker
	27.85		1.59	1431	3541		3rd sugar grove; <u>1st fir</u>
	27.78		1.66	1494	3604	10:45	view of summit; spruce
	27.62		1.82	1638	3748		base 30' ledge; last <u>SUG</u> ; 1st <u>PB</u>
(P)	27.58		1.86	1674	3784		ledge lookout
	27.48		1.96	1764	3874	11:02	enter Escarpment trail
(Q)	27.41	3940'	2.03	1827 ¹⁸⁰⁰	—	11:08	Summit Blackhead
			1.54	1439-1440		11:30-11:45	lunch
	27.53		1.42	1328	3828		enter Escarpment trail (27.48) on ascent
(R)	27.66		1.29	1206	3706	NOON	highest <u>SUGs</u>
	27.80		1.15	1075	3575		shelter (excave) ledge
(S)	27.93		1.02	954	3454		begin burn: <u>PB</u> dom.
(T)	28.02	3400'	0.93	870	3370		Arizona opening
(U)	28.13	3300'	0.82	767	3267		trail junct.
(V)	27.98	3400'	0.97	907	3407	12:50	Summit Arizona
(W)(X)	28.08		0.87	813	3313	1:01	3rd opening
(Y)	28.16		0.79	739	3239		<u>spruce</u> terrace
(Z)	28.30		0.65	608	3108	1:15	SW lookout; begin steep descent
	28.44		0.51	477	2977		<u>SUG</u> & <u>OST</u> reenter; possible burn limit
	28.73		0.22	206	2706		<u>Corydalis</u> ledge
	28.82		0.07	65	2565		<u>ASH</u> enters; not burned
(AA)	28.95	2500'	0.00	0	2500	1:44-1:54	Dutcher Notch

$\sum \Delta p = 29.44 - 27.41 = 2.03''$
 $\sum \Delta e = 3940 - 2110 = 1830'$
 ratio $\frac{1830}{2030} = 0.9015$

$\sum \Delta p = 28.95 - 27.41 = 1.54''$
 $\sum \Delta e = 3940 - 2500 = 1440'$
 ratio 0.935

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$$\Delta p = 29.33 - 28.95 = 0.38''$$

$$\Delta e = 2500' - 2110' = 390'$$

$$\text{ratio } \frac{e}{p} = 1.026!!$$

	Pressure	Map elev	Δp	Δelev	Calc elevation	Time	Location
(AA)	28.95	2500	0.38	390	2500	1:41-1:54	Dutcher Notch
(BB)	29.00		0.33	339	2449		bednick notch
	29.10	2300?	0.23	236	2346		handwritten, small falls
(CC)	29.15	2300?	0.18	185	2295		pasture; stone walls
(DD)	29.23		0.10	103	2213	2:25	trail detour to S around beaver pond
(EE)	29.25	2180'	0.08	82	2192	2:40	East Kill fork field on N
	29.10		0.23	236	2346	3:03	trail turns S
	29.22		0.11	113	2223	3:21	bushwhack begin pt. from morning
	29.33	2110'	0.00	0	2110	3:30	Trail head

(Z) Descent steep to Dutcher Notch: SPR & OAK dom. SUG & OST enter at 2977' ft.
 2977' Conifers ledge 1/15 of photo. 85-year-old spruce is suppressed 6" DBH, probably below burn. ASH & CB at 2565' ft. Tree #85

(AA) 2500' Dutcher Notch: Hyla splen. SUG & ASH dom, probably not burned. Ledge on S edge of col. Aspen 6" & 19"

(BB) 2449' Below Dutcher Notch: SPR on talus. 1 fir. SUG to 24". Spruce end for a distance until beaver pond trail reroute. Stumps (not burned) around small, wet-weather falls.

(CC) 2295' Begin stone walls & old pastures. Apple, White Pine, Common SPR saplings.

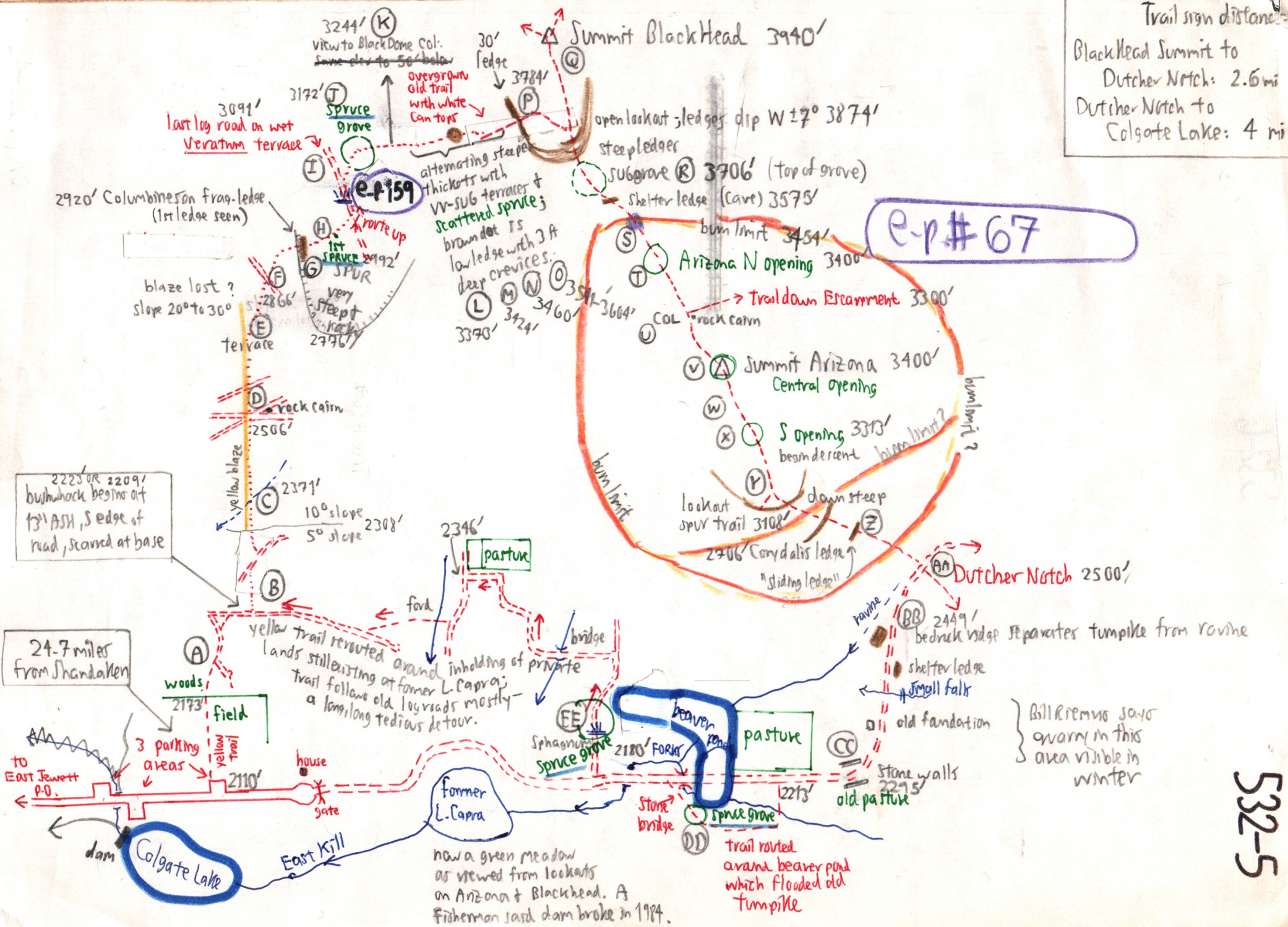
(DD) 2213' Trail rerouted around beaver pond: SPR with repro to 12", MC, OK, a few fir.

(EE) 2192' Spruce grove with Sphag. patch. Dense repro, healthy. Spruce in head of E-Kill Valley occur in groves rather than continuously.

Black Head from the East Kill

6/9/85

Trail sign distance
 Blackhead Summit to
 Dutchess Notch: 2.6 mi
 Dutchess Notch to
 Colgate Lake: 4 mi



- A) OAK, PB, RM, White Pine woods formerly pasture 2173'
- B) 1 fir (young) N of trail; OST, HAMAM, BASS, CARP 2209'
Ox + ARIST TIAR! 3 ft deep gully. Red left.
- C) ASH, PA, HEM. Stumps ±30 to 40 yrs old. 2371'
- D) BASS, ASH, OST, ADIV, MATTEUCIA 2506'
OAK to 48" DBH, PANAX Q, VV, HYDRO in flower, DENT DI.
- E) Dicentra, LAP, CAULO, VCI BASS (highest) 2596'
SUB dom, some HEM.
- F) ASH, OST, LAP, VCI, OSMO. OAK to 30" DBH. 2866'
2° growth SUB + B. Stumps 30 to 40 yrs old
- G) Photo Columbine: 1/60 f3.5 & f7 m 2920'
mod-shade. ASH, OST to 14" DBH
Mitella in fruit. ADIV - steep on 1st ledges.
- H) Oaks (last); dead + live 1st spruce to 12". 2992'
MM, OK, MO, dead fir, last OST, AA, Reynos.
- I) VV terrace wet used as last log road. Stumps. Vpap. last ASH. 3091'
No large trees, many sprout-clumps.
- J) Spruce grove to 12" x 50 to 60'. Steep 3172'
+ ledgey. SORB seedlings. AN, TB, OK, AA, MC, PB, MO.
- K) 22" SUB + 24" SPR, \$ dilatata, AN, LL, CAULO!!, RLAC. Less steep locally. 3244'
- L) Thicket basin on drier, steeper shallower slopes: MM, MO, CORYLUS, CINCIVA, SAMB. 3370'
CX INTU. A few SUB. MC + ox in fl. SPR healthy with some repro.
- M) VV terrace. Mon dense thickets. Scat SPR, CXC SUBs to 20" x 25', battered but reproducing. 3424'
- N) Thicket scrub over low ledge with a labyrinth of 3 foot-deep crevices. 3460'
- 3541) O) More SUB - MILIUM-VV-B. Sug grave with dead tops 18" x 30'. 1st Fir. White can top on SUB marks old trail overgrown + often difficult to follow up to P). Comus alt. Pancake 12" deep. Thalic, CX INTU. More white trail markers. Hyla-splen.

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- View of Blackhead Summit ahead to left. Trail marker on 22" SPR
- 3748' → 1st PB at base of 30' ledge with trail marker. Last SUB.
- Lunch VV, Pcilii, RS, RA, CX INTU, white throat.
- P) Ledge top lookout. 2 Fir. PB dom, PIN, MO, MM, SORB, more Fir. 3784'
- Escarpment trail open lookout: Ledge dips ±7° W
- Q) Blackhead Summit 3940'
Till depth with auger: 4", 4", 6", 6", 3"
gray E horizon? One spruce down 1 ledge from summit 10' tall, leaders dead.
Photo 1/60 f8 of 9" of till exposed.
Photo of Acacia with fcs below, overcast above.
Below lunch ledge = 8" to 12" of red till.
- R) SUB grave photo. 8" silty red till 27" auger!!
3706' Steep but spry below high ledges. B-PB-MAT, CORYLUS, MILIUM, VCI IMP, VV, LAP, THALIC, HEBERLEUM, SMILACINA, TARAXACUM.
- S) Abrupt burn bandary. PB enters + dominates, 3454' started. Ed West states the fire before he climbed Blackhead in 1914. Some PB, SPR, FIR. PB to 12". PB + SUB repro-beneath to 4" SPR is "layering."
- T) Arizona N opening. Nil till but also burned. 3400' FIR, SPR ("layering") indicating ^{healthy & with cones} growth in the open, PB, PIN, VACC ANG, SORB, TASS, DIERVILLA, RHODO IN FLOR (photo 1/125 f5-6), Amel bar VCASS. Photo of opening with Blackhead behind 1/125 f5: Older spruce in photo higher on Blackhead may be at burn limit.
- U) Trail junction. Photo of PB dominance 1/125 at f3-5. 3300' Dead spruce broken trunk 8" DBH 55 to 60 years.
- V) Still Arizona Summit. Open PIN, PB to 10', some SPR to 20'. One 15" SPR below on N shoulder. 3400'
- W) SUB replacing PB on S shoulder. 3073' Tree #87
- X) South opening: SPR + FIR. 7" Fir cut ±65 years. 32
- Y) Spruce terrace on descent. Lyc annot. Trees to 35' ± 7". 3209'
- Z) Lookout spur trail to SW: Azalea in fl SORB in fl 1st OAK on descent. Lake Carra is a meadow. SPRUCE below + W of Dutcher Notch visible. 3108'

(continued) on p. 532-4.