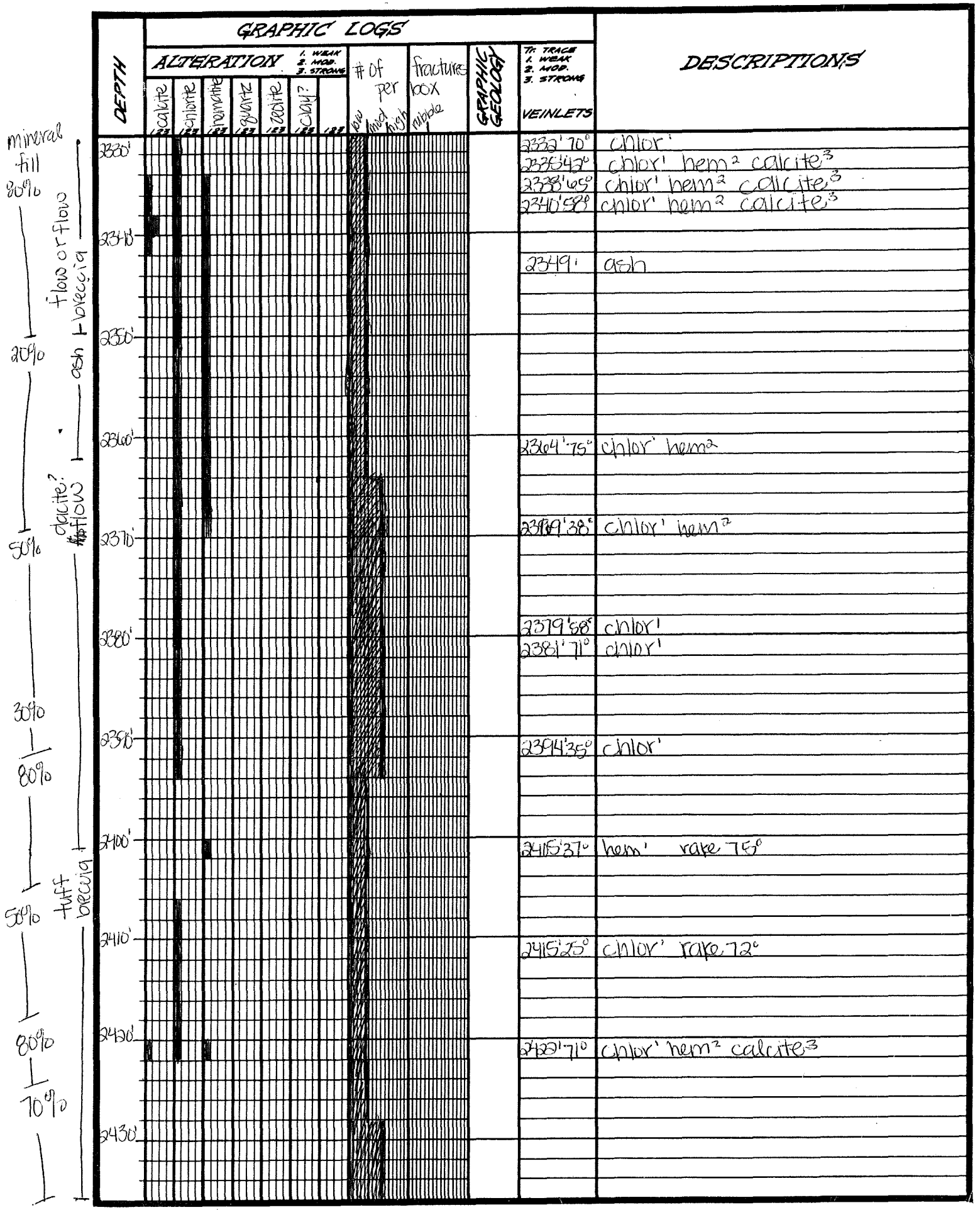
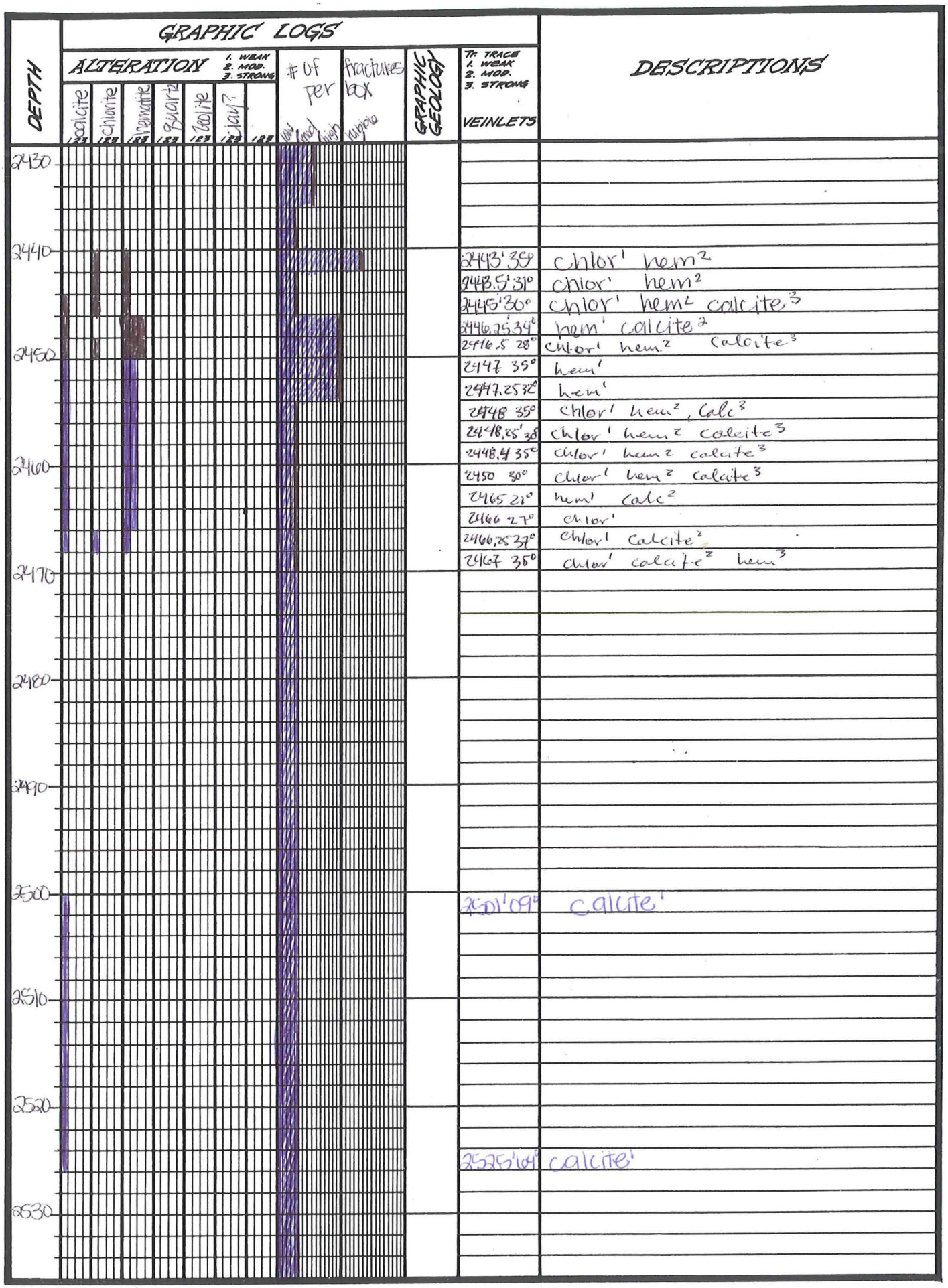


DRILL HOLE 45-36

LOCATION Medicine Lake

LOGGED BY e. jackson



DRILL HOLE 45-36

LOCATION Medicine Lake

LOGGED BY E. jackson

GRAPHIC LOGS

DEPTH	ALTERATION (1. WEAK 2. MOD. 3. STRONG)							# of per	trac. box	GRAPHIC GEOLOGY	Tr. TRACE 1. WEAK 2. MOD. 3. STRONG VEINLETS	DESCRIPTIONS
	calcite 1 2 3	chlorite 1 2 3	hem. 1 2 3	qtz. 1 2 3	zeolite 1 2 3	1 2 3	1 2 3					
2530												
2540												
2550											3549' 47°	calcite'
2560												
2570												
2580												
2590												no fractures
2600												
2610												
2620												
2630												

mineral fill 80%

andesite

tuff?

rhyolite flow or dome

none

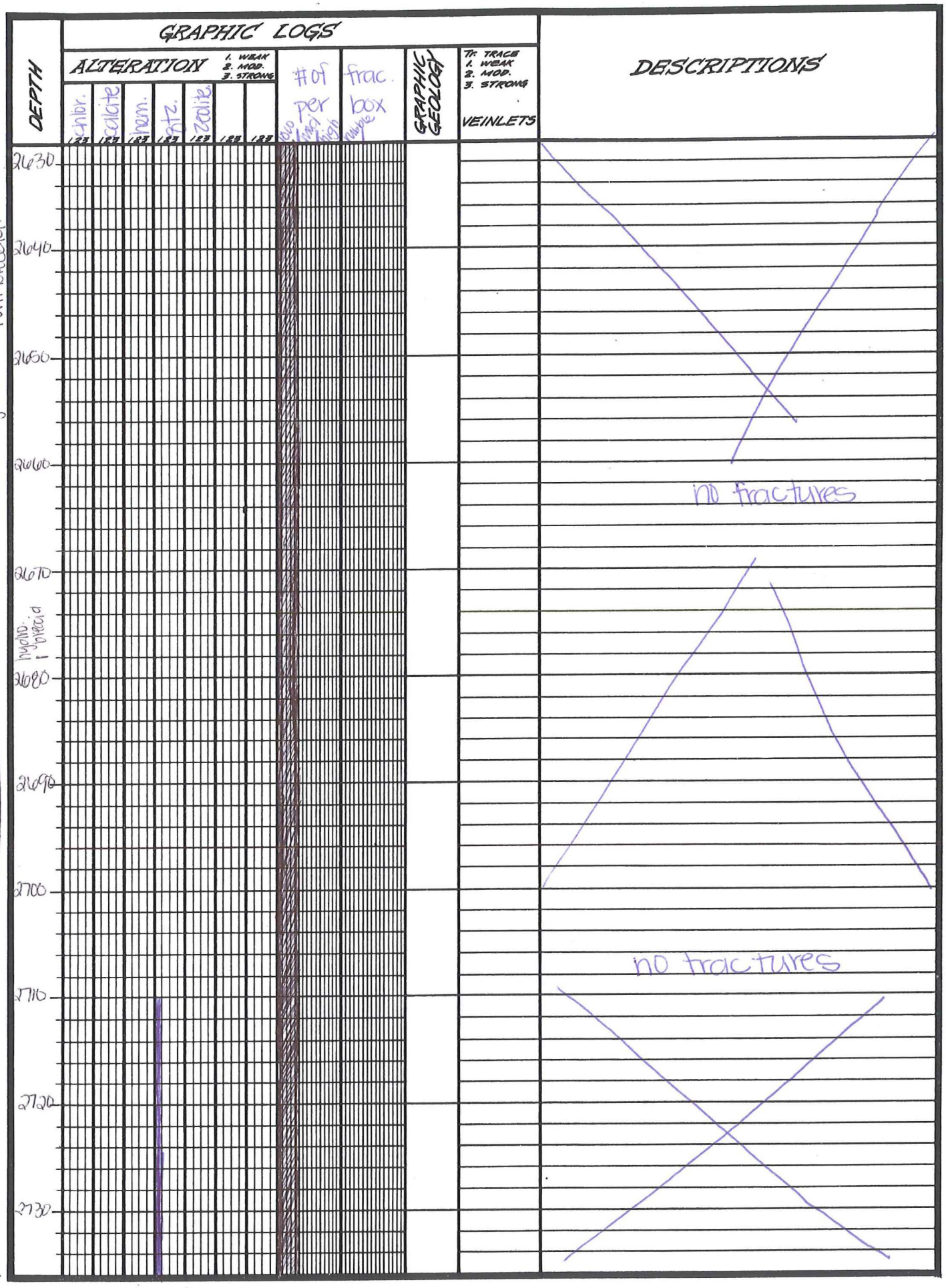
tuff/ breccia rhyolite

tuff ?

DRILL HOLE 45-36

LOCATION medicine Lake

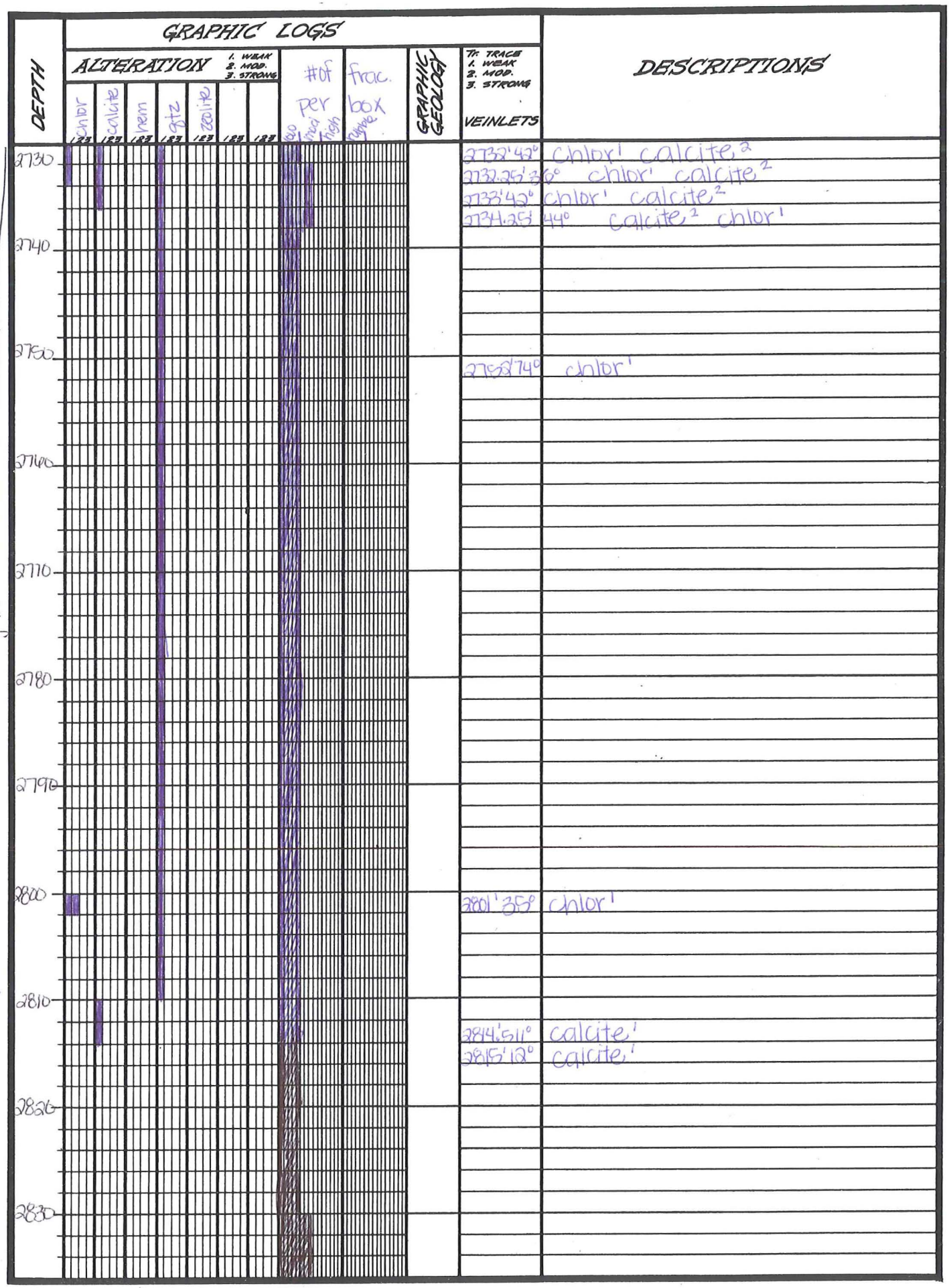
LOGGED BY e. jackson



DRILL HOLE 45-36

LOCATION Medicine Lake

LOGGED BY E. Jackson



DRILL HOLE 45-31o

LOCATION medicine lake

LOGGED BY e. jackson

mineral fill

40%

50%

60%

50%

40%

DEPTH	GRAPHIC LOGS											DESCRIPTIONS
	ALTERATION (1. WEAK 2. MOD. 3. STRONG)							# of per	frac box	GRAPHIC GEOLOGY	Tr. TRACE 1. WEAK 2. MOD. 3. STRONG	
	chlor. 123	calcite 123	hem. 123	qtz. 123	zeolite 123	123	123	low mod high	rubble		VEINLETS	
2830												
2840												
2850											2855' 84°	chlor' calcite [a]
2860												
2870												
2880												
2890												
2900												no fractures
2910												
2920												
2930												

DRILL HOLE 45-36

LOCATION medicine lake

LOGGED BY e. jackson

mineral fill 30%

40%

40%

45%

45%

DEPTH	GRAPHIC LOGS: ALTERATION (1. WEAK 2. MOD. 3. STRONG) chlor. 123	calcite 123	hem. 123	gyp 123	zeolite 123	123	123	# of per. (zero / mod / high)	frac. box (empty)	GRAPHIC GEOLOGY	TR: TRACE 1. WEAK 2. MOD. 3. STRONG VEINLETS	DESCRIPTIONS
3030												
3040												
3050												
3060												
3070												
3080												no fractures
3090												
3100												
3110												
3120												
3130												

DRILL HOLE 45-36

LOCATION medicine lake

LOGGED BY e. jackson

mineral fill 50%

30%

45%

30%

35%

GRAPHIC LOGS

DEPTH	ALTERATION (1. WEAK 2. MOD. 3. STRONG) chlor. 123	calcite 123	hem. 123	qtz. 123	zeolite 123	123	123	# of per 10m	frac. box X	GRAPHIC GEOLOGY	Tr. TRACE 1. WEAK 2. MOD. 3. STRONG VEINLETS	DESCRIPTIONS
3030												
											3037' 13°	rake, 88° chlor' calcite, 2
											3037.25'	09° rake 78° chlor' calcite, 2
3040											3038'35°	rake 72° calcite'
											3041' 31°	rake 54° chlor'
											3044'.26°	rake, 53° qtz?
3050												
3060											3061'55°	healed frac. filled w/ qtz.
											3068'.29°	chlor' calcite 2
3070											3072'11°	qtz' chlorite 2
3080												
3090												
3100												
3110											3112° 30°	sugary mineral ?
3120												
3130												

DRILL HOLE 45-36

LOCATION medicine lake

LOGGED BY e. jackson

mineral fill 35%

25%

30%

30%

80%

80%

GRAPHIC LOGS

DEPTH	ALTERATION (1. WEAK 2. MOD. 3. STRONG) unalter. 123	calcite 123	hem. 123	qtz. 123	izzedite 123	123	123	# of fracs per foot	frac box numbers	GRAPHIC GEOLOGY	Tr: TRACE 1. WEAK 2. MOD. 3. STRONG VEINLETS	DESCRIPTIONS
3130												
3140												no fractures
3150												
3160												
3170												
3180												chlorite altered
3190												
3200												
3210												
3220												
3230												

DRILL HOLE 45-36

LOCATION medicine lake

LOGGED BY E. jackson

mineral fill 80%

DEPTH	GRAPHIC LOGS: ALTERATION (1. WEAK 2. MOD. 3. STRONG) chlor.	calcite	heim.	qtz.	zeolite			# of per (low / med / high)	frac. box (rubble)	GRAPHIC GEOLOGY	VEINLETS (Tr. TRACE 1. WEAK 2. MOD. 3. STRONG)	DESCRIPTIONS
3230												
3240												chlorite altered
3250												no fractures
3260												
3270												
3280												
3290												
3300												
3310												
3320												
3330												

CONT. ON NEXT PAGE

DRILL HOLE 45-36

LOCATION medicine lake

LOGGED BY e.jackson

mineral fill

pyroclastic ash flow

lithic change

andesite / dacite flow

lithic change

pyroclastic ash flow

GRAPHIC LOGS

DEPTH	ALTERATION (1. WEAK 2. MOD. 3. STRONG) chlor. (23)	calcite (23)	kaol. (23)	qtz. (23)	zeolite (23)	(23)	(23)	# of frac. per box: low	med	high	frac. box: calcite	GRAPHIC GEOLOGY	VEINLETS (TR: TRACE 1. WEAK 2. MOD. 3. STRONG)	DESCRIPTIONS
3280														
3290														chlorite altered
3300														
3310													3307' 44°	chlor¹ calcite² frac @ contact
													3308' 76°	chlor¹ calcite²
													3308.1' 63°	chlor² calcite¹ broken healed frac
													3308.2' 76°	chlor² calcite¹
													3311' 75°	calcite¹ chlor²
													3312' 44°	calcite¹ chlor²
3320													3313' 13°	chlor¹ calcite² blocked calcite and broken healed frac.
													3315' 65°	chlor² calcite¹
													3315.5' 75°	chlor² calcite¹
													3318' 50°	calcite¹ chlor²
3330													3319' 03°	calcite¹ chlor²
													3322 45°	litho. change
														chlorite altered
3340														
3350														
3360														
3370														
3380														

DRILL HOLE 45-36

LOCATION medicine lake

LOGGED BY e. jackson
m. gwynn

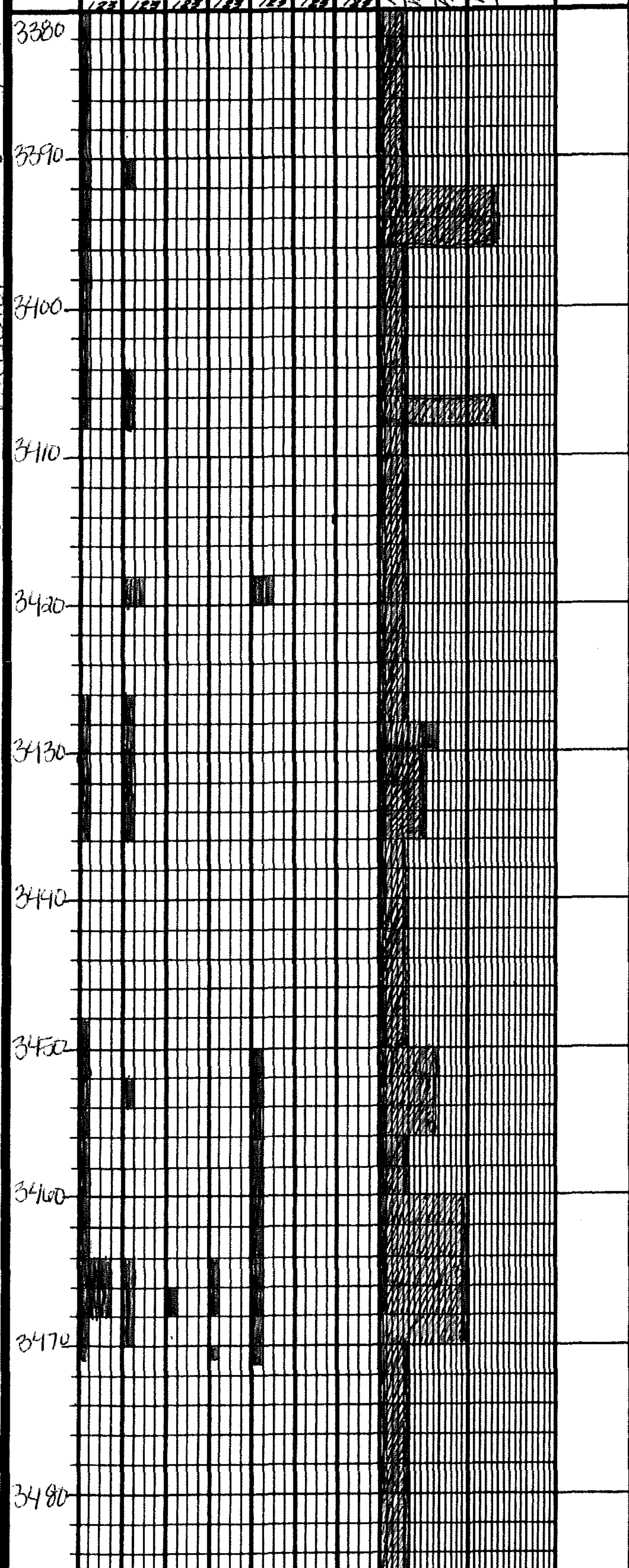
GRAPHIC LOGS

ALTERATION (1. WEAK 2. MOD. 3. STRONG): chlor. | calcite | hem | qtz. | zeolite — # of per (low, mod, high) — frac. box (rubble) — GRAPHIC GEOLOGY — VEINLETS (Tr. TRACE 1. WEAK 2. MOD. 3. STRONG) — DESCRIPTIONS

mineral fill

ash flow / litho change

andesite w/ hydrothermal breccia

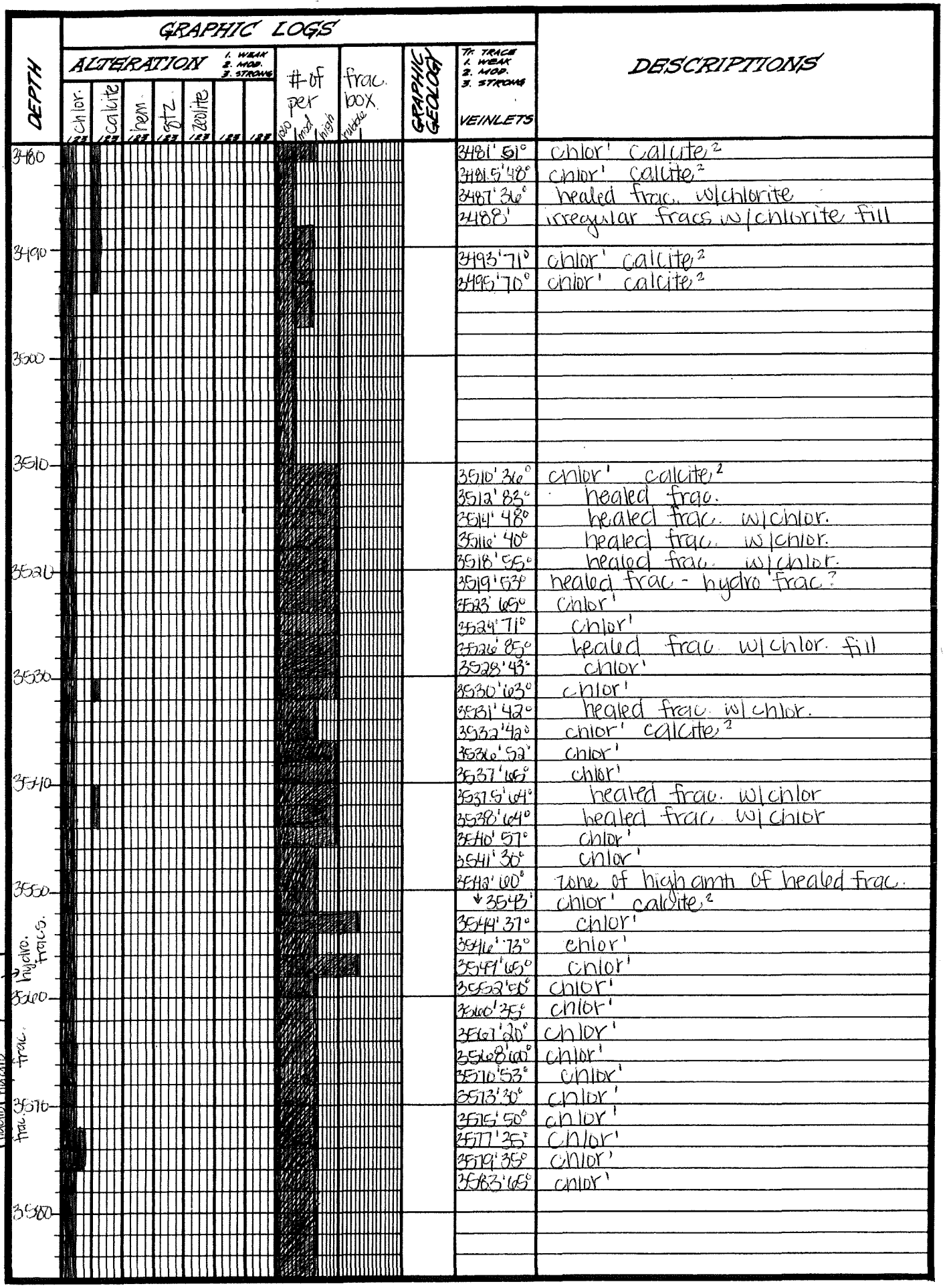


VEINLETS	DESCRIPTIONS
3391' 47°	calcite[1] chlorite[2]
	3395' brown rubble?
3395' 55°	chlorite[1]
3407' 48°	chlorite[1] calcite[2]
3418'	bladed zeolite, euhedral calcite?
3427' 15°	calcite[2] chlorite[1]
~~3428'~~	~~chlorite~~
3428' 18°	calcite[2] chlorite[1]
3430' 33°	chlorite[2] calcite[1]
3432' 30°	chlorite[2] calcite[1]
3450' 20°	chlorite
3451' 35°	chlorite[1] zeo.[2]
3451.5' 40°	chlor[1] zeo[2]
3454' 32°	chlor[1] zeo[2] calcite[3]
3456' 48°	chlor[1] zeo[2]
3463' 28°	chlor[1] zeo[2]
3465' 45°	chlor[1] zeo[2] qtz? calcite[3]
	qtz. in healed fracture
3467' 45°	chlor[1] zeo[2] qtz[3]
3467.1' 56°	chlor[1] zeo[2] qtz[3]
3468' 40°	chlor[1] zeo[2] qtz[3]
3468.5' 43°	chlor[2] hem[3] calcite[1]
3469' 43°	chlor[1]
3469.5' 34°	chlor[1] ~~ca~~calcite[2] zeo[3]
3470' 35°	chlor[1] calcite[2] zeo[3]
3470.5' 65°	chlor[1] qtz.[2] healed
3471' 58°	chlor[1] zeo[2]

DRILL HOLE 45-36

LOCATION medicine lake

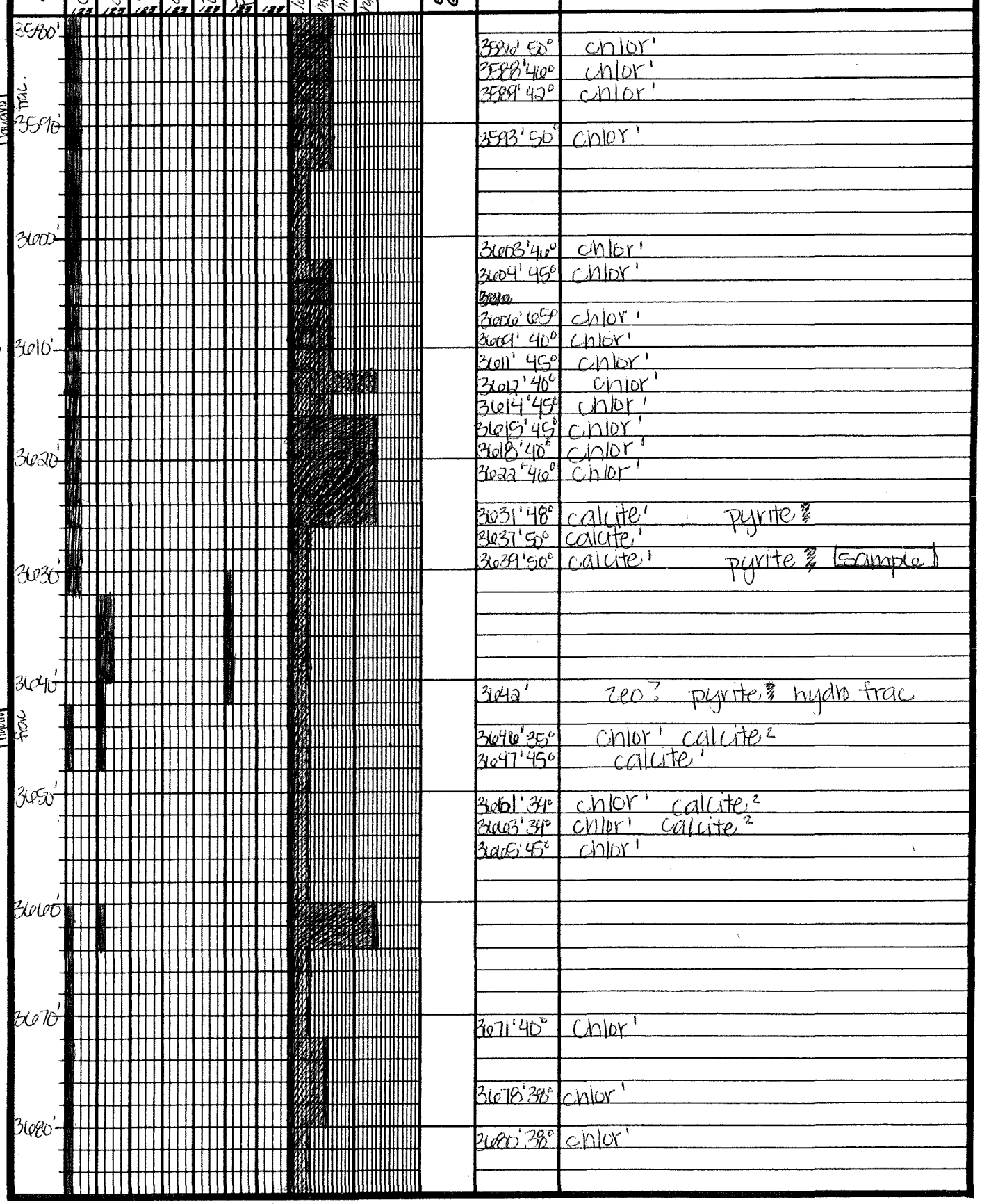
LOGGED BY e. jackson
m. gwynn



DRILL HOLE 45-36

LOCATION medicine lake

LOGGED BY e. jackson
m. gwynn



DRILL HOLE 45-31e

LOCATION medicine lake

LOGGED BY e. jackson
m. guynn

mineral fill 90%

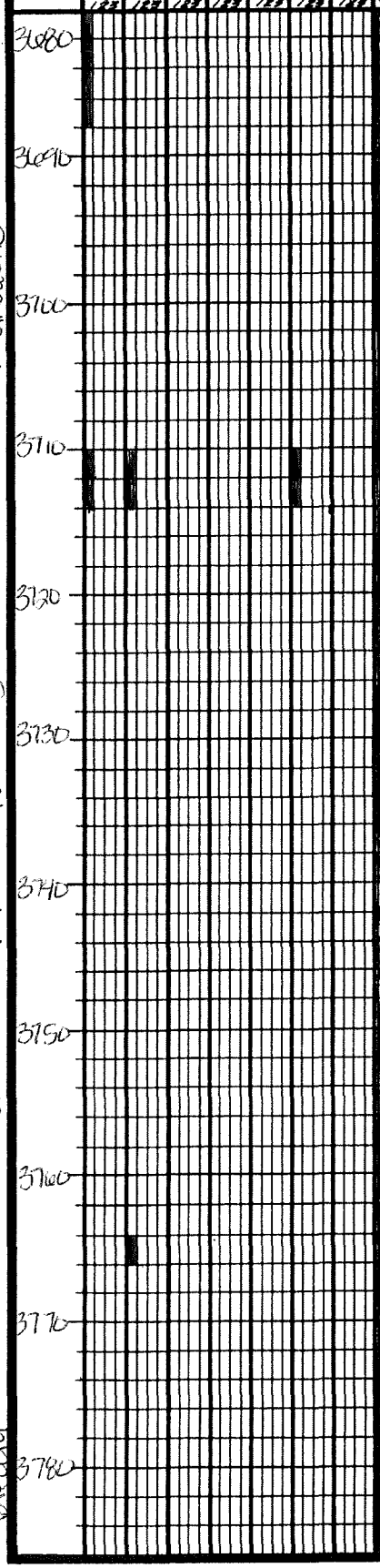
85%

basalt or andesite + dacite flow

dike of dacite w/ flow folding

80%

massive breccia

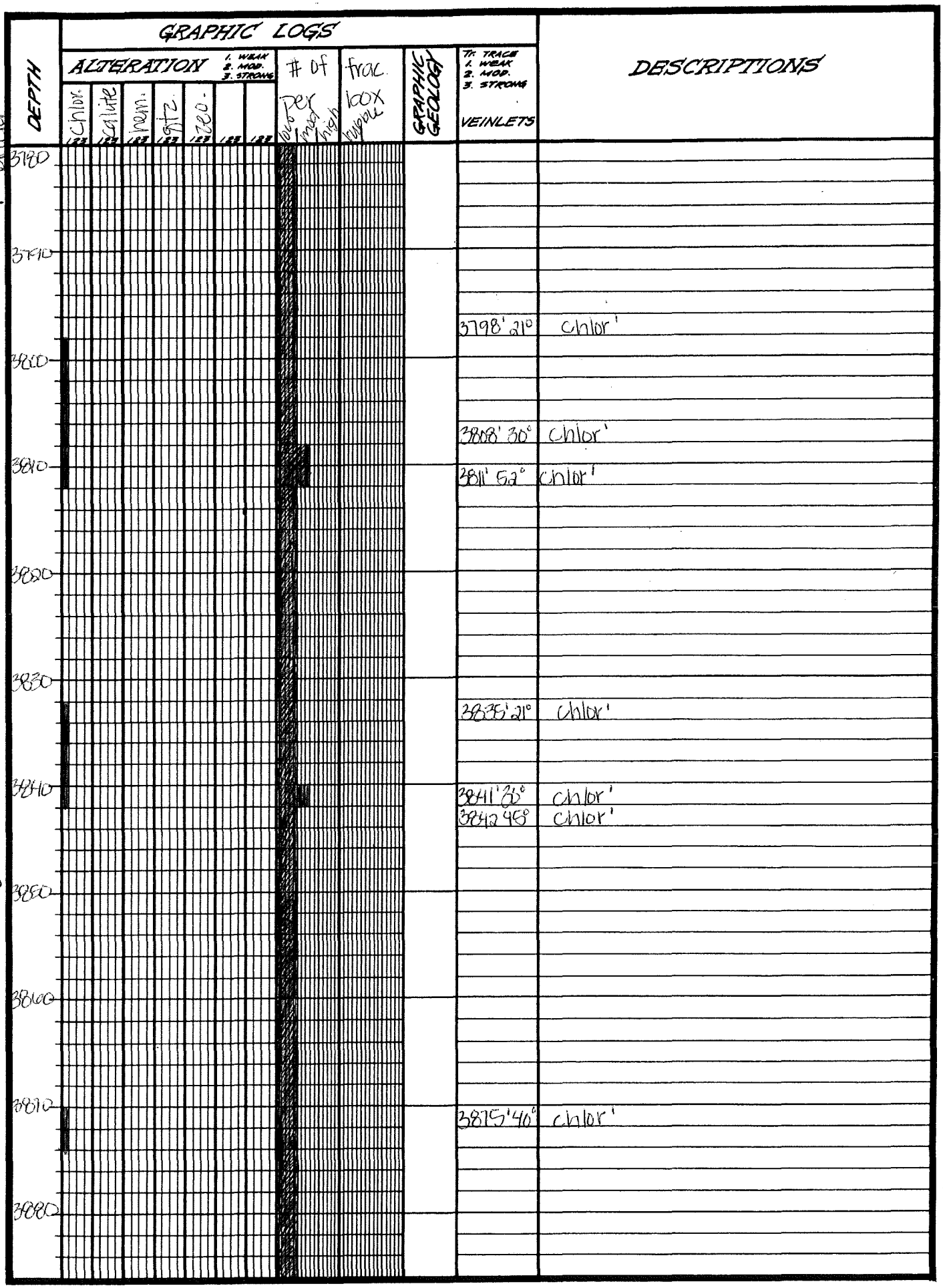


VEINLETS	DESCRIPTIONS
3685'52°	chlor'
3688'56°	chlor'
3712'15°	chlor'
3714'	calcite 2 epidote 2 chlor 3
3764'50°	calcite'

DRILL HOLE 45-31e

LOCATION medicine lake

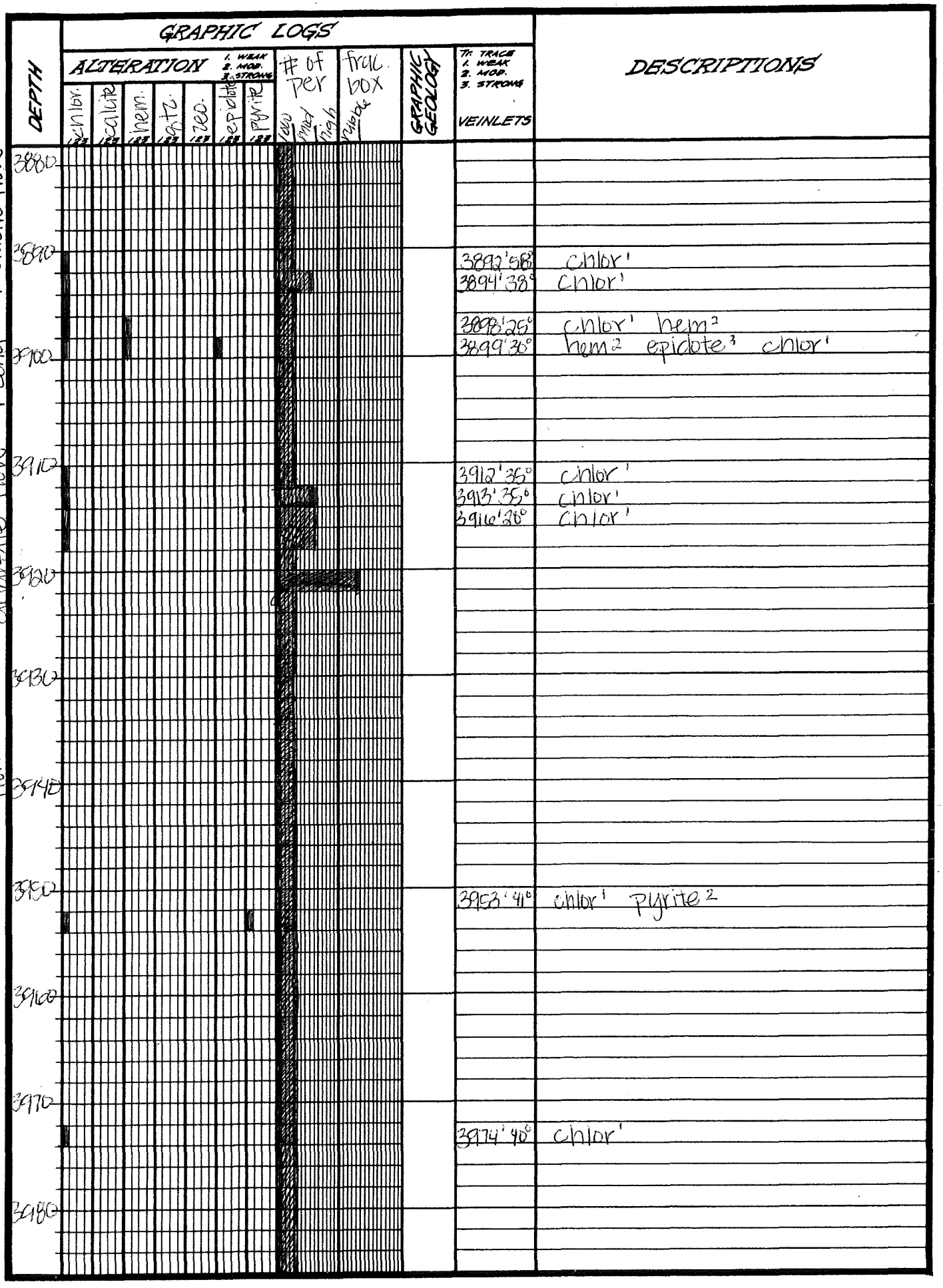
LOGGED BY M. gwynn



DRILL HOLE 45-30

LOCATION medicine lake

LOGGED BY M. ginnn



DRILL HOLE 45-32

LOCATION Medicine Lake

LOGGED BY M. Glynn

mineral fill 80%

dacite flow

DEPTH	GRAPHIC LOGS: ALTERATION (1. WEAK 2. MOD. 3. STRONG) chlor.	calcite	hem.	gtz.	zeo.			# of fracs per box: low	med	high	fracs per box: notable	GRAPHIC GEOLOGY	Tr: TRACE 1. WEAK 2. MOD. 3. STRONG VEINLETS	DESCRIPTIONS
39180														
39970														
41000														

DRILL HOLE 45-36

LOCATION medicine lake

LOGGED BY M. gwynn