

Trip 33

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Survey Information

Cave:	Area in Cave:	
Horsethief	Entrance line	
Date:	Location of Cave:	
17 Jul 2022	Bighorns, MT	
Personnel	Surveys	
Sketch / Book:  Alex Fischer-Plan Kalyn Dyn-Profile	Survey Stations:	Tie-in:
	E27-E46	E26
Fore Sight:  Demetri Stamkos		
Point / Back Sight:  Will Boekel		
Other (Inventory, Photography, Rigging):		
Trip Information	Notes	
Time In: 9:00am	Time Out: 2:30pm	
Instruments		
Tape / Disto: Disto X2		
Fore Sight Instruments: 8013		
Back Sight Instruments: 4275		
	Survey Distance	# Survey Shots
New		
Resurvey	307.12	20
Total	307.12	20

Station △	Cave Survey of ATC			L ←	R →	U ↑	D ↓	Notes
	Distance ↔	Azimuth N \downarrow	Inclination \swarrow					
E26	4.30	FS 114.5	FS -16.1	0	2.6	7.1	1.1	
	4.32	BS 113.1	BS -16.5					
E27	8.94	FS 38.7	FS 17.5	2	0	6	.6	
	8.98	BS 37.9	BS 17.2	3	3	6	2	
E28	12.29	FS 69.8	FS -8.5					
	12.27	BS 69.2	BS -9.0	2	3	0	2	
E29	9.28	FS 136.6	FS -16.1	2	3	0	2	
	9.26	BS 135.4	BS -16.1	4	1	2	2	
E30	23.84	FS 121.1	FS -7.9					
	23.80	BS 120.2	BS -8.0	13	35	34	1	
E31	8.38	FS 11.7	FS 8.1	P	P			
	8.46	BS 10.5	BS 8.1					
E32	16.81	FS 73.7	FS 2.4	1	3	30	1	
	16.82	BS 73.1	BS 3.7					
E33	12.71	FS 65.6	FS -1.0	3	0	3	2	
	12.65	BS 65.4	BS -0.9					
E34	34.90	FS 115.3	FS 2.8	0	4	1	1	
	35.01	BS 115.0	BS 3.5	5	0	2	1	
E35		FS	FS					
E36	131.45	BS	BS					
Total survey on this page								

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Scale: 1" =
20'



Magnetic
North Arrow

Plan
 Profile

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E35+

E34+ - C - C - C

E33+

?T33-4

E31 E32+

-E31

?T33-3

dig, T33-2

E30+
x-sec E31-B

E29+

E28+

A E27+

E26+

A' A' E28

gate

Date: 17 Jul '22

Cave: Horse Thief

Sketcher: Alex Fischer

Station △	Cave Survey of HTC			L ←	R →	U ↑	D ↓	Notes
	Distance	Azimuth	Inclination					
E35	16.18	FS N 86.6	FS 4.8	5	0	2	1	
E36	16.23	BS 86.1	BS 5.2	5	0	6	1	0
E37	13.90	FS 59.2	FS 1.3	0	5	13		
E38	13.87	BS 58.5	BS 1.0	0	5	13		
E39	7.29	FS 128.6	FS 6.4					0.6 0.6
E40	7.21	BS 128.4	BS 7.0	2	1	2	1	
E41	20.03	FS 57.1	FS 6.7					
E42	19.92	BS 56.6	BS 6.2	0	3	12	1	
E43	12.30	FS 92.2	FS -13.0					
E44	12.40	BS 91.4	BS -11.7	2	3	8	.8	
E45	17.85	FS 30.3	FS 8.6					
E46	17.83	BS 28.6	BS 8.2	0	10	2	3	
E47	17.77	FS 91.0	FS -3.2					
E48	17.73	BS 90.0	BS -3.1	0	5	3	1	
E49	10.56	FS 124.5	FS 29.4					
E50	10.54	BS 124.1	BS 29.7	2	5	0	3	
E51	10.43	FS 26.6	FS 35.9					
E52	10.45	BS 25.7	BS 35.8	6	13	12	6	
E53	22.04	FS 92.2	FS 3.5					
E54	22.03	BS 91.6	BS 3.9	9	16	3	4	
	148.35	Total survey on this page						

E45

?T33-12

Scale 1:4

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T33-1R
low

F.

-F₂ broken heart

-E44

-E43

T33-10

lower
level
underneath
heart

-E42

?T33-9

-E41

-E40

?T33-9

C' - T33-8 high lead

-E39

E39 +

X-sec

B

B'

-E38

-E37

A - A - E35 - A - A - A = A1

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Date: 17 Jul

Cave:

HTC

Sketcher: Alex Fischer

Trip 33

Scale: 1" =
20'

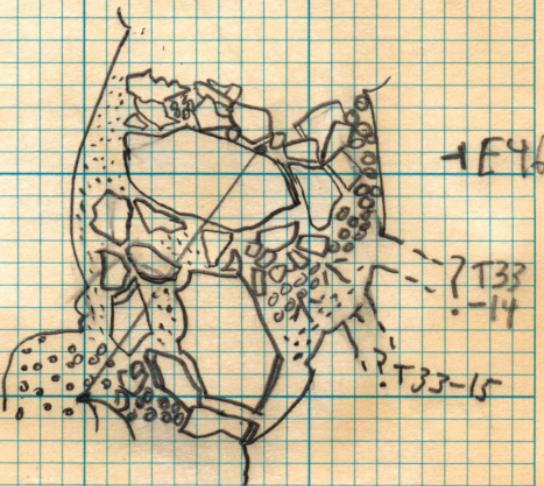


Magnetic
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OnRope I



E45

Date: 7/17/22 Cave: HTJC Sketcher: Alex Fischer