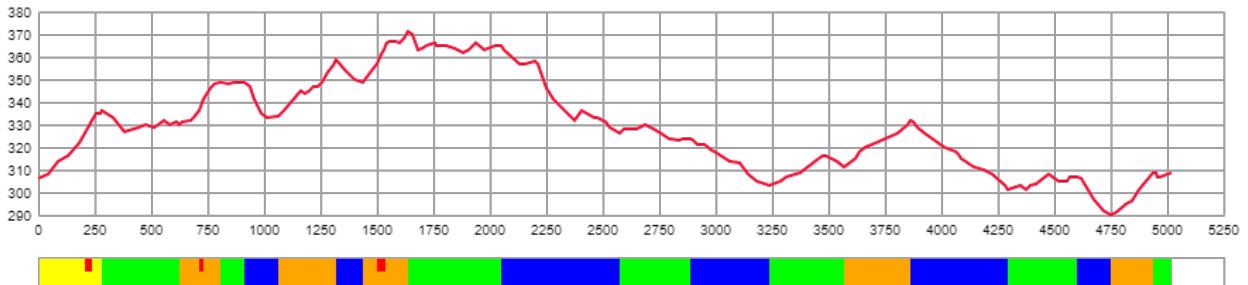




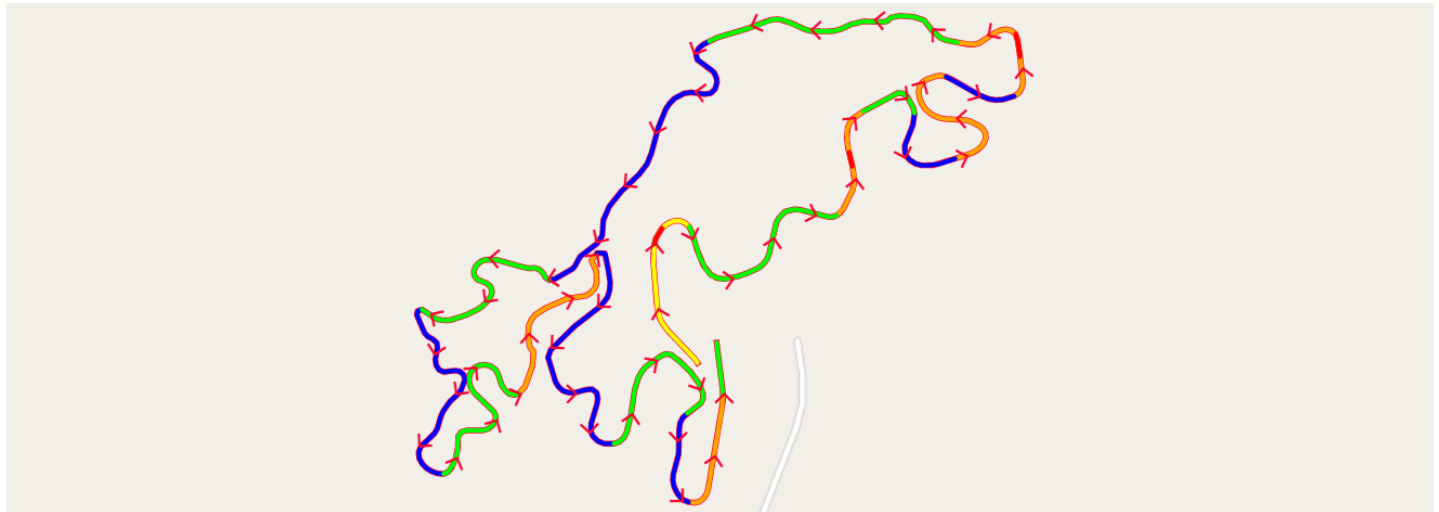
**CERTIFICATE
OF FIS HOMOLOGATED CROSS-COUNTRY COURSE
FIS CROSS-COUNTRY COMMITTEE**

(1) Registration number:	20/66.02/5.0
(2) Name of the competition site:	Government Peak Recreation Area
(3) Name of city/region:	Matanuska-Susitna Borough, Alaska
(4) Organizer:	MatSu Ski Club
(5) National ski association:	USA
(6) Contact person in the organizing committee:	Jeff Kase
(7) Homologation inspector:	John Estle
(8) Name of course:	5 Km Hatch-Eska
(9) Competition level for course	COC

Course length:	5,021m	Height difference (HD):	81m	Lowest point:	290m
Course category:	D	Maximum climb (MC):	30m	Highest point:	371m
		Total climb (TC):	192m		



A-climb B-climb C-climb descent undulated terrain



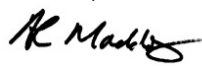
FIS Office


Mignerey, Pierre
FIS International Ski Federation
Blochstrasse 2 / Postfach
CH - 3653 Oberhofen

FIS Stamp



FIS Homologation
Responsible


Maddox, Al

Date of Issue
18.09.2020
Valid until
30.06.2025

(10) Overview of the uphill:

	No.	PTC	% of TC
- major climbs	1	30	15.6
- shorter climbs	5	108	56.3
- steep climbs	3	0	0.0
- descents	6	6	3.1
- undulated terrain	7	48	25.0

(11) Stadium area:

		Indoor working room:	
Fixed stadium area	yes	Timekeeping	yes
Fixed building	yes	Announcer	yes
Temporary stadium	no	Jury	yes
Temporary building	no	Race office	yes
Good infrastructure (access, parking, media, etc.)	yes		
Skitesting area along course/near stadium	yes		
Warm up track near the stadium	yes		

(12) Category for the stadium and course layout:

	Interval	Sprint	Skiathlon	Relay	Mass start
Stadium suitable for following competition formats	yes	yes			yes
Course suitable for following competition formats with					
a) Classical technique	yes				yes
b) Free technique	yes				
Course suitable for relay and skiathlon competition					
a) On same course					
b) Combined on different courses (C+D or D+D)					

(13) Possibility of snow making:

none at this time

(14) Map Material:

USGS/The National Map

(15) Source of accurate elevation data:

Digital Elevation Model from USGS/The National Map

(16) Safety considerations:

None

(17) General remarks:

Course is quite physically challenging

(18) Date of first inspection: 2018/5/31

(19) Date of final inspection: 2018/12/18

(20) Summary of terrain characteristics

	#	at m	PHD (m)	PTC (m)	grad. (%)	avg. grad.(%)	
A-climb ■	1	0	30	30	10.3 - 21.5	10.6	C at 207m, PTC: 6m, 21.4%
	total			30			15.6% part of TC
B-climb ■	1	626	19	19	3.1 - 22.0	10.5	C at 710m, PTC: 5m, 21.7%
	2	1,063	25	26	-5.4 - 18.0	9.7	
	3	1,435	22	23	-5.2 - 22.5	10.9	C at 1,502m, PTC: 8m, 22.2%
	4	3,568	21	21	3.9 - 14.1	7.1	
	5	4,751	19	19	4.1 - 16.3	10.1	
	total			108			56.3% part of TC
C-climb ■	total			0			0.0% part of TC
undulated terrain ■	total			48			25.0% part of TC
	total climb			192			