



Capabilities Brief





- **Overview**
- **Courses**
 - Basic Military Mountaineering Course (BMMC)
 - Summer Advanced Military Mountaineering Course (AMMC-SUM)
 - Winter Advanced Military Mountaineering Course (AMMC-WIN)
 - Rough Terrain Evacuation Course (RTEC)
 - Mountain Planners Course (MPC)
 - Mountain Rifleman Course (MRC)
- **Training Sites**
 - Climbing Walls
 - Ice Wall
 - Castle Rock
 - OP Hill
 - Land Navigation Course
- **Specialized Instruction**
 - High Angle Rescue
 - Avalanche Rescue
 - Over Snow Mobility
 - Cold Weather Survival





BACKGROUND INFORMATION

Army Mountain Warfare School



OPCON to the
Vermont Army
National Guard



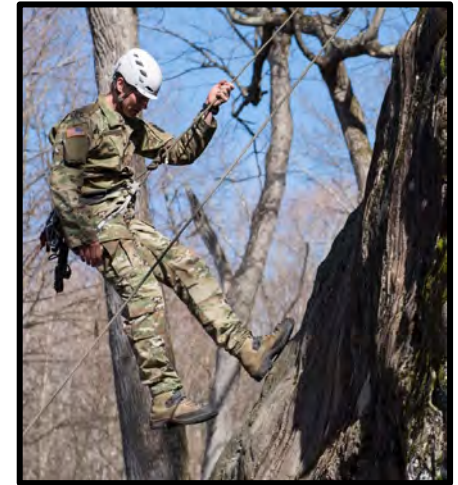
US Army Executive
Agent for Military
Mountaineering



US Army Infantry
School is the
overseeing authority



National Guard
Bureau is the
school resource
manager



AMWS offers 6 courses

- Basic Military Mountaineer Course (BMMC)
- Summer Advanced Military Mountaineer Course (AMMC - SUM)
- Winter Advanced Military Mountaineer Course (AMMC - WIN)
- Rough Terrain Evacuation Course (RTEC)
- Mountain Planners Course (MPC)
- Mountain Rifleman Course (MRC)



- We provide specialized training as needed, both as resident training on EAFR or global Mobile Training Teams (MTT)
- ***Our Focus: relevant, sustainable skills that provide units a mobility edge in complex terrain and austere environments***





Courses





BASIC MILITARY MOUNTAINEER COURSE (BMMC)

- Purpose: Train Service Members in fundamental mountaineering skills to increase mobility and survivability in mountainous terrain.
- Key Tasks:
 - Basic mountain casualty evacuation (CASEVAC)
 - Hauling and lowering systems
 - Soldier load management
 - Fixed rope establishment and movement
 - Rappelling
 - Mountain fieldcraft
 - Basic mountaineering equipment familiarization
 - Introduction to rock climbing
 - Land navigation in mountainous terrain
 - 15 testable knots
 - 6 testable rope systems
- Course Duration: 14 days
- Course Maximum: 80 students
- Course Frequency: 9 courses per year
- Awards the Skill Identifier "Military Mountaineer" (SQI "E")





ADVANCED MILITARY MOUNTAINEER COURSE - SUMMER (AMMC)

- Purpose: The purpose of AMMC-SUM is to train Soldiers in the advanced skills required to lead small units over technically difficult, hazardous or exposed (Class 4 and 5) mountainous terrain during hot weather climatic conditions.
- Key Tasks:
 - Advanced climbing: multi-pitch trad lead on 5.6 routes
 - Hauling systems: simple 3:1, 5:1; compound 6:1
 - Vertical rescue and lowering
 - Training site management: multi-lane top rope training site for Company sized element
 - Advanced fixed rope construction
 - Develop capacity to provide sustainment training for level 1 military mountaineers
 - Develop capacity to advise unit commanders on mountain operations
- Course Duration: 14 days
- Course Maximum: 8 students
- Course Frequency: 5 courses per year
- Prerequisite: BMMC Graduate (SQI "E")





ADVANCED MILITARY MOUNTAINEER COURSE - WINTER (AMMC)

- Purpose: The purpose of AMMC-WIN is to train Soldiers in the advanced skills required to lead small units over technically difficult, hazardous or exposed (Class 4 and 5) mountainous terrain during cold weather conditions.
- Key Tasks:
 - Route planning in winter alpine terrain
 - Lead ice climbing, single and multi-pitch
 - Over snow mobility (skiing)
 - Glacier travel and rescue
 - High angle rescue on snow and ice, snow anchors
 - Avalanche rescue
 - Advanced fixed ropes
 - Simple and compound hauling systems
 - Develop capacity to provide sustainment training for level 1 military mountaineers
 - Develop capacity to advise unit commanders on mountain operations
- Course Duration: 14 days
- Course Maximum: 8 students
- Course Frequency: 3 courses per year
- Prerequisite: BMMC Graduate (SQI "E")





Level 2 Military Mountaineer

Level 2 Military Mountaineer / Assault Climber

- Certification: Soldiers achieve the status of level 2 Military Mountaineer after graduation from both AMMC-Summer and AMMC-Winter courses.
- Role: Assault climbers develop and execute sustainment training for level 1 military mountaineers, plan mountaineering training and operations, advise commanders on mountain operations, tactically lead teams and units through mountainous terrain, and mitigate risk in both the training and tactical environments.
- Level 2 Mountaineers may be tasked with the following:
 - Establishing and supervising mountain training, including top-rope climbing, rappelling, fixed rope movement, etc
 - Lead a mountaineering team in establishing fixed ropes over hazardous terrain – at least up to 5.5 – 5.6
 - Multipitch climbing and rappelling on rock, ice and/or mixed terrain
 - Route recon of Class 4-5 terrain
 - Build complex, multipoint anchors
 - Build vertical hauling and lowering systems
 - Build rescue systems in all climates and terrain, including avalanches and glaciers
 - Assisting Commanders in planning and executing operations in mountainous terrain





ROUGH TERRAIN EVACUATION COURSE (RTEC)

- Purpose: treat, package, and move casualties in mountainous terrain. Course incorporates lessons learned from real-world combat operations in the mountains.

- Key Tasks

- Patient packaging
- Patient assessment
- Remote medicine
- Vertical hauling and lowering systems
- Technical rescue
- 3rd/4th class patient movement techniques
- Hoist operations/HLZ procedures
- Non-standard platform CASEVAC
- CASEVAC planning
- Confined Space
- Urban application

- Course Duration: 8 days
- Course Maximum: 32 students
- Course Frequency: 2 courses per year

- Awards 18 CEUs for 68Ws





MOUNTAIN PLANNERS COURSE (MPC)

- Purpose: To teach Mountain Leaders the basic skills required to plan, support and execute operations in mountainous terrain under various climatic conditions. Focus is especially on practical issues in austere environmental conditions (extreme cold, rugged terrain, altitude, etc.).
- Key Tasks
 - Mountain terrain analysis, route planning and contingency planning
 - Effects of altitude, terrain and weather on personnel, equipment and operations
 - Mountain fieldcraft
 - Soldier load planning
 - CASEVAC techniques in mountainous terrain
 - Troop sustainment in mountain operations
 - Training Soldiers for the mountainous environment
- Practical Exercises:
 - Mission planning
 - Patrolling
 - CASEVAC
 - Fixed rope establishment
- Course Duration: 8 days
- Course Maximum: 16 students
- Course Frequency: 2 courses per year



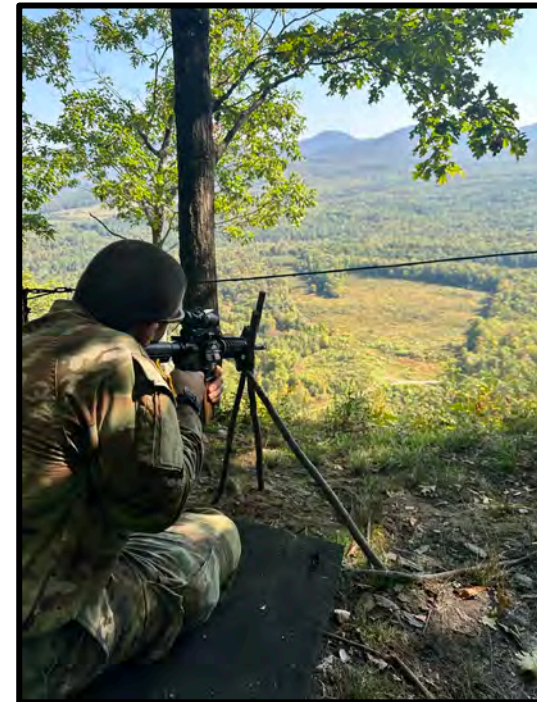


MOUNTAIN RIFLEMAN COURSE (MRC)

- Purpose: To train snipers on a combination of mountain specific skills and angle marksmanship fundamentals. The goal is improving mobility and lethality of snipers in mountainous terrain.

- Key Tasks:

- Provide long range precision fire on targets in mountainous terrain under adverse environmental conditions
- Use ropes to negotiate high risk mountainous terrain to setup for a target of opportunity
- High angle marksmanship out to 1000m
- High altitude ballistics / environmental effects
- Terrain exploitation and mobility (fixed ropes, rappel)
- Alternate shooting positions, e.g. steep downslope



- Course Duration: 8 days
- Course Maximum: 12 students
- Course Frequency: 2 courses per year
- Prerequisite: Sniper Qualified (ASI "B4")





Mobile Training Teams

MTT Capability: The AMWS has the capability to provide virtual or in-person training based on unique mission requirements. MTTs for ARPRINT courses require suitable facilities, terrain and training areas.

Options:

- ARPRINT courses (DA 1059)
- Pre-deployment training
- In-theater training
- Specialized/tailored training



Requirements:

- Requesting unit covers associated instructor costs (P/A and Travel). This typically includes a Pre-deployment Site Survey (PDSS).
- MTTs and training requests submitted through the AMWS Training Request Form (available upon request).
- MTTs for ARPRINT courses require additional approval through the NGB Off-Line TRAP process.



Recent MTTs conducted in Italy, Hawaii, Senegal, Djibouti





Training Sites





55' Indoor Climbing Wall

- Tallest indoor climbing wall in New England
- 19 total lanes for top-rope and lead climbing
- Ledge for multi-pitch climbing with 3 belay stations
- 2 auto-belays
- Anchors at top ledge for rescue training
- Vertical hauling/lowering
- Routes currently range in difficulty from 5.5 – 5.12a





Outdoor Climbing Wall

50' Outdoor Climbing Wall

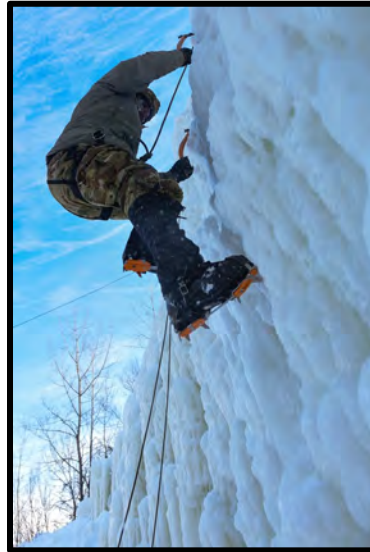
- 9 lanes for top-rope and lead climbing
- 2 lanes for dry-tool climbing
- Routes are of easy to moderate difficulty
- Rope ascending
- Rappelling
- Roof allows for training during inclement weather





40' Vertical Wall

- Beginner ice climbing terrain (WI 1-2)
- 5 lanes for top rope and lead
- Ice produced with snow gun by AMWS
- Reliable manmade ice from January to March
- Ideal for rappel and ascender training
- Multiple lanes for CASEVAC lowering and hauling





75' Natural Crag

- 8 climbing lanes
- Mostly top-rope
- Fixed bolt and tree anchors
- Ascender and rappel training

Routes

5 (Crack): 5.7, 60'

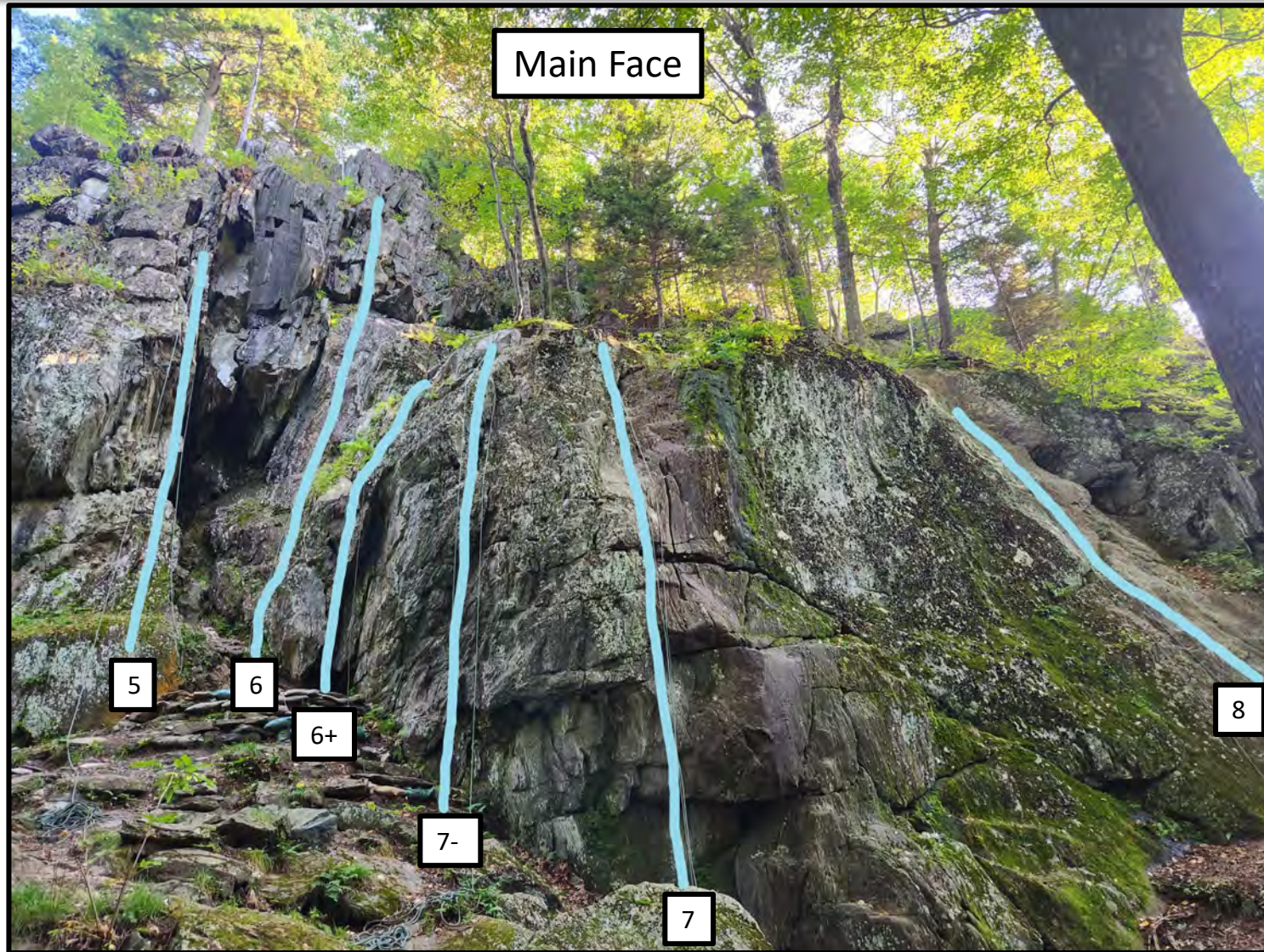
6 (Face/Blocks):
5.6, 70'

6+ (Face): 5.6, 30'

7- (Face): 5.7, 35'

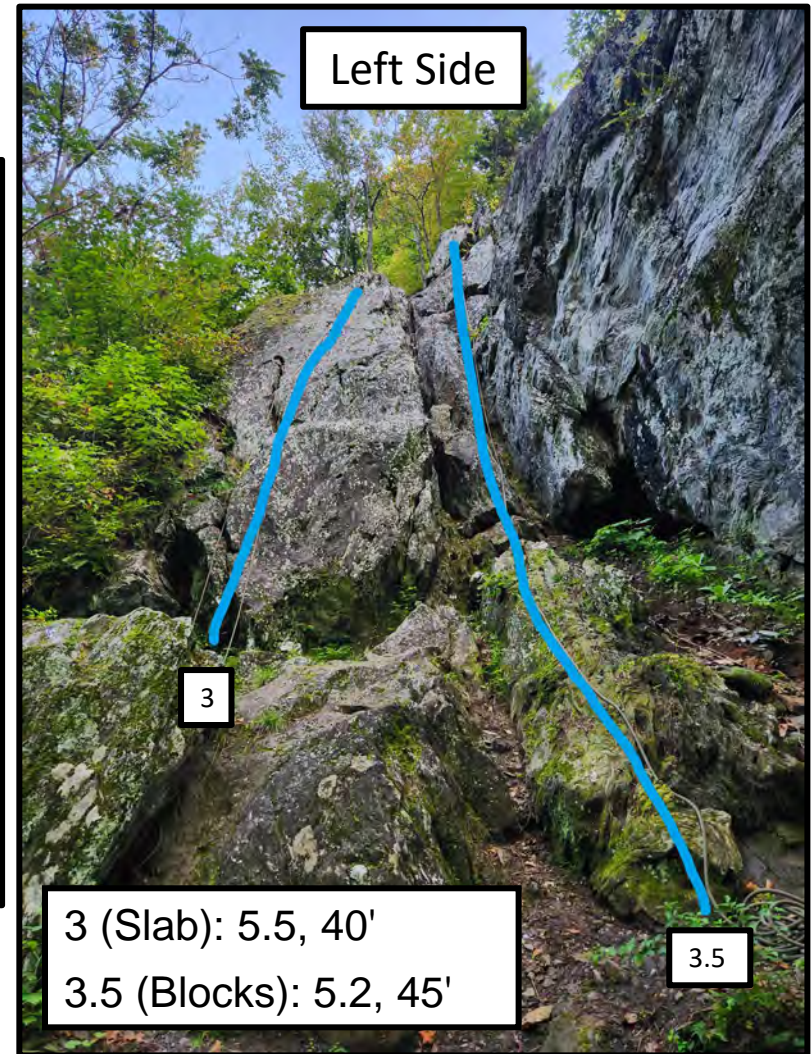
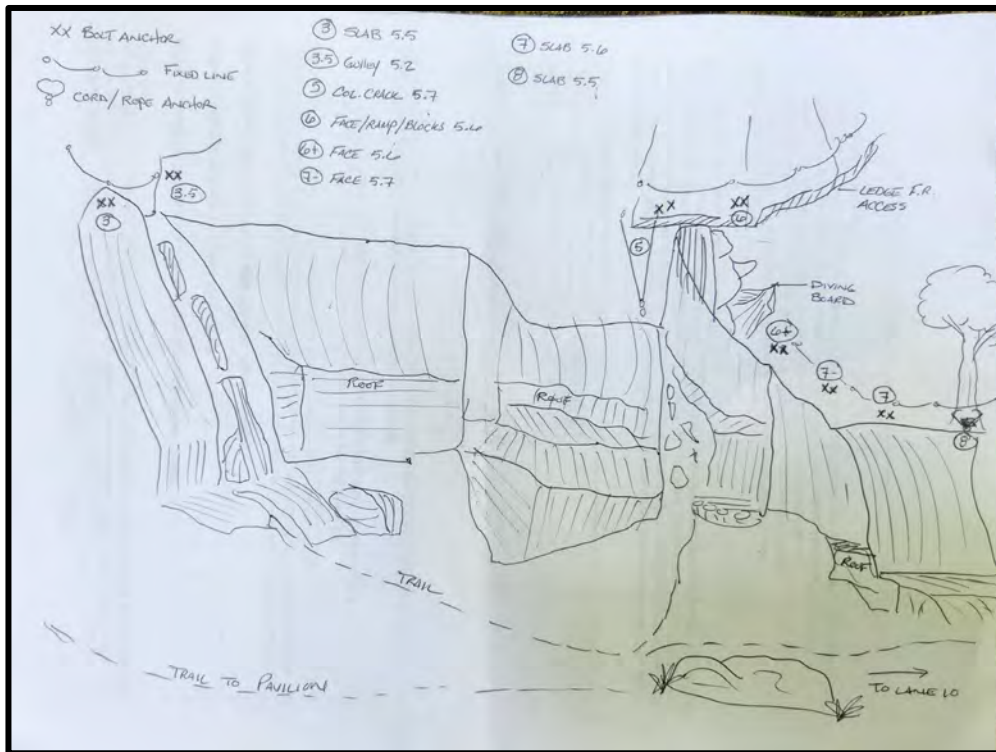
7 (Slab): 5.6, 40'

8 (Slab): 5.5, 40'





Castle Rock overview



3 (Slab): 5.5, 40'

3.5 (Blocks): 5.2, 45'





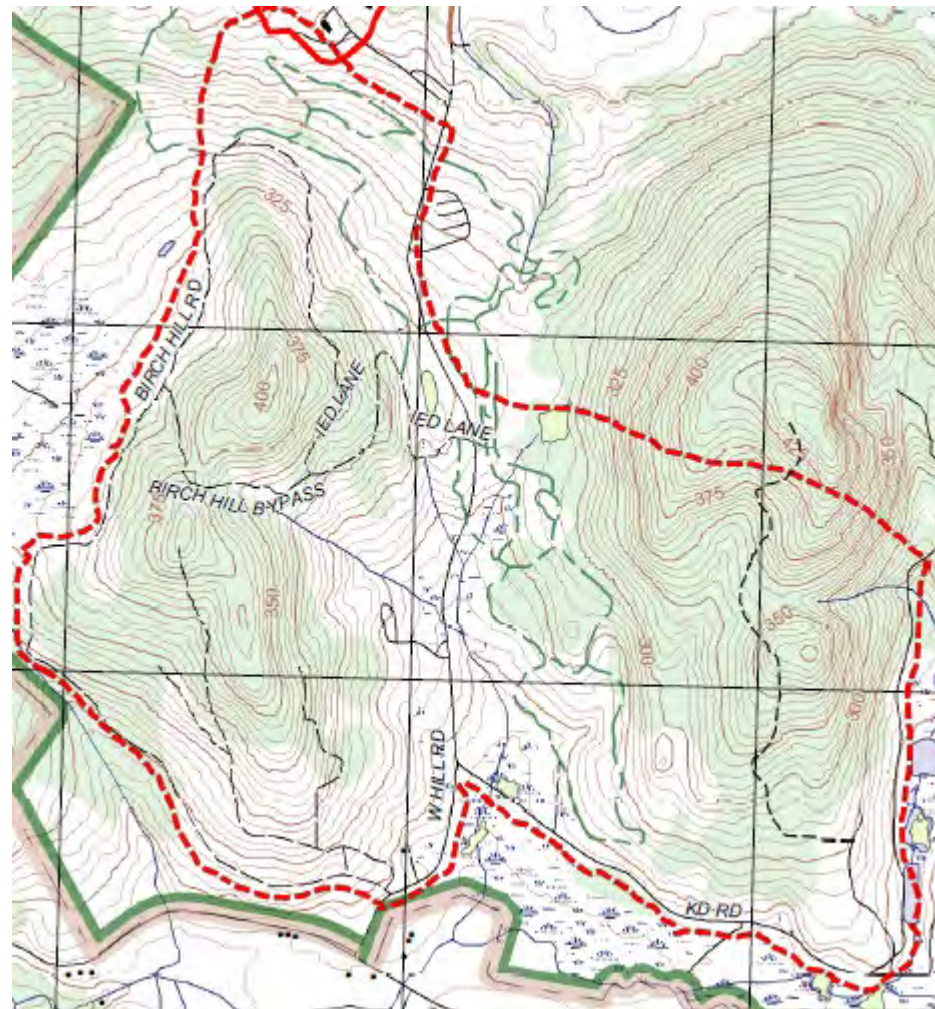
60' Natural Crag

- 6 climbing lanes
- Difficulty ranges from 5.5 to 5.8
- Most routes are bolted



**Approximately 4km² within boundary**

- 28 tri-sided land navigation points
- 200-300m change in elevation between lowest and highest points
- Average distance of four-point course 5600m-6000m
- Multiple improved roads
- Training area request through RFMSS





Specialized Instruction



U.S. Army Mountain Warfare School





High Angle Rescue

- Capability: The AMWS has the capability of teaching basic and advanced technical rescue systems across all classes of terrain based on unique mission requirements.
- Vertical rescue is part of the POI of AMMC (Summer and Winter) and RTEC
- Topics
 - Class 3, 4, and 5 terrain lowering systems on multiple litter types
 - Rescue belay devices and descent control devices, munter hitch lowers, redirected belay device lowers, both horizontal and vertical litter orientation
 - Simple, compound and complex pulley systems, both one and two rope systems, guiding line suspension systems and advanced litter handling techniques
 - Team dynamics / command and control
- Relevant Instructor Certifications
 - International Federation Mountain Guides Association (IFMGA) certification
 - American Mountain Guide Association (AMGA) Rock Guide and Multi-Pitch Instructor certifications
 - Rigging for Rescue certifications
 - Rope Rescue Fundamentals
 - Rope Rescue Operational Leadership
 - Self Rescue and Small Team Response





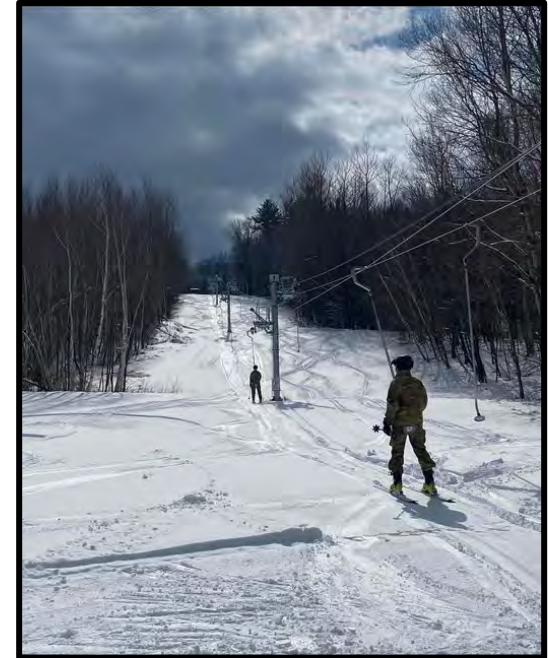
- Capability: The AMWS has the capability of teaching basic and advanced avalanche assessment, mitigation and rescue techniques based on unique mission requirements.
- Basic avalanche training and rescue are part of the AMMC-Winter POI.
- Topics
 - Introductory avalanche training
 - Avalanche risk assessment techniques
 - Avalanche risk mitigation techniques
 - Equipment familiarization
 - Fundamentals of a beacon search
 - Avalanche rescue
 - Single and multiple burials
 - Teamwork and communication
- Relevant Instructor Certifications
 - International Federation Mountain Guides Association (IFMGA) certification
 - American Mountain Guide Association (AMGA) Alpine Guide certification
 - American Institute for Avalanche Research and Education (AIARE) Level 2 PRO certification





Over Snow Mobility

- Capability: The AMWS has the capability of teaching basic and advanced over snow mobility techniques with skis, snowshoes and/or crampons based on unique mission requirements.
- Snowshoes, crampons and equipment familiarization is part of the BMMC POI. Basic ski techniques are part of the AMMC-Winter POI.
- The AMWS has a poma ski lift located adjacent to the schoolhouse with ~70m of elevation gain.
- Topics
 - Basic ski techniques
 - Advanced ski techniques
 - Alpine Touring (AT) ski techniques
 - Snowshoe movement and operational planning
 - Equipment familiarization
- Relevant Instructor Certifications
 - International Federation Mountain Guides Association (IFMGA) certification
 - American Mountain Guide Association (AMGA) Ski Guide certification





- Capability: The AMWS has the capability of teaching cold weather survival techniques based on unique mission requirements.
- Basic cold weather survival techniques are part of the BMMC POI. Advanced winter survival techniques are part of the AMMC-Winter POI.
- Topics
 - Winter fieldcraft
 - Tents; military and civilian
 - Stoves
 - Improvised shelters
 - Water procurement
 - Clothing and packing
 - Equipment familiarization
- Relevant Instructor Certifications
 - International Federation Mountain Guides Association (IFMGA) certification
 - American Mountain Guide Association (AMGA) Alpine Guide certification
 - AMWS routinely tests cold weather equipment for PEO Soldier and clothing manufacturers





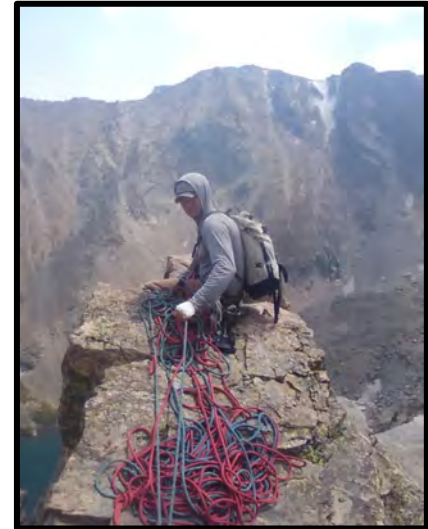
Instructor Qualifications

Civilian Certifications

- International Federation of Mountain Guides Association (IFMGA) Guide Certification
- American Mountain Guides Association (AMGA):
 - Single Pitch Instructor
 - Alpine Guide Course
 - Rock Guide Course
 - Alpine Skills Course
 - Ice Guide Course
- Wilderness First Responder (WFR)
- Rigging for Rescue:
 - Fundamentals 1
 - Fundamentals 2
 - Ice and Rescue
 - Self-rescue / Small Team Response
- American Institute for Avalanche Research and Education (AIARE)
 - Level 2 PRO

Military Experience

- Foreign Military Mountaineering Schools:
 - NATO MW COE
 - Slovenia
 - Switzerland
 - Germany
 - Norway
 - Ecuador
 - Austria
 - Finland
 - Brazil
 - Italy
- Marine Corps Mountain Warfare Training Center (MCMWTC) courses
- Frequent advanced Cadre training and development opportunities across the globe



AMWS Cadre on the summit of Denali

