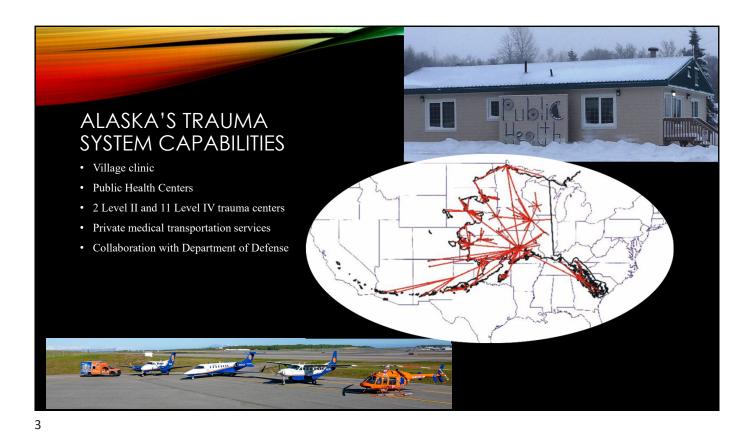


Population of approximately 740,000

Size is greater than that of the next three states' sizes combined

60,000+ people live off the road system and only accessible by plane, boat, or snowmobile

Most villages and towns have less than 1000 people



WHO AM I?

• NREMT-Paramedic since 1992

• United States Pararescueman for 25 years

• Retired as Chief Master Scrgeant of the 212th Rescue Squadron in Alaska

• Small Business Owner

• Helicopter Ski Guide

212TH RESCUE SQUADRON

- Pararescue is the Department of Defense's only dedicated rescue force
- Operational Responsibilities
 - Search and Rescue Alert for military assets in Alaska
 - Overseas Deployments- Combat Search and Rescue
 - Alaska Search And Rescue Support
 - Disaster Response Alaska, Overseas and CONUS
 - Arctic/Long-Range Rescue
- Air Force's Busiest Rescue Squadron
- 2022
 - 24/7/365 Alert 55 SAR missions/62 lives saved in AK





5

WHERE WE WORK

- All Environments
 - Mountain
 - Snow/Ice
 - Maritime
 - Underwater
 - Urban
 - Jungle
 - Desert
- Specialized Environments
 - Underwater
 - Confined Space
 - Collapsed Structure
 - High-Angle





ONSCENE

Medical Capabilities

NREMT-Paramedic

Prolonged Field Care

Add'l Med/Trauma Training

Tactical Combat Casualty Care

Tactical Capabilities

Mass-Casualty Scene Management

Small-Unit Tactics

Technical Capabilities

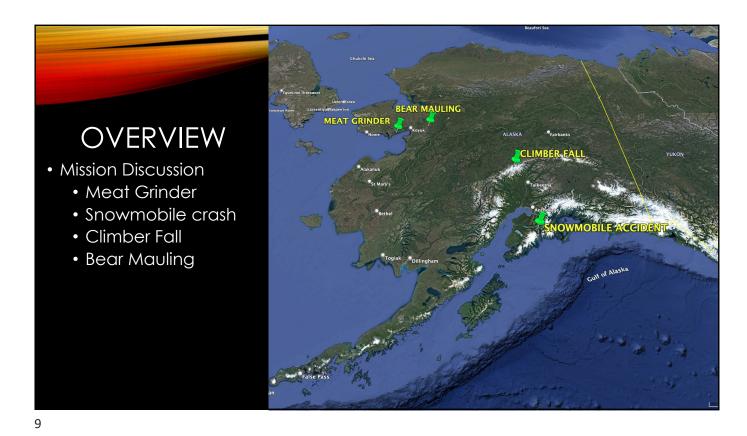
Confined Space/Structural Collapse

Vehicle Extrication

High-Angle/Rope Rescue

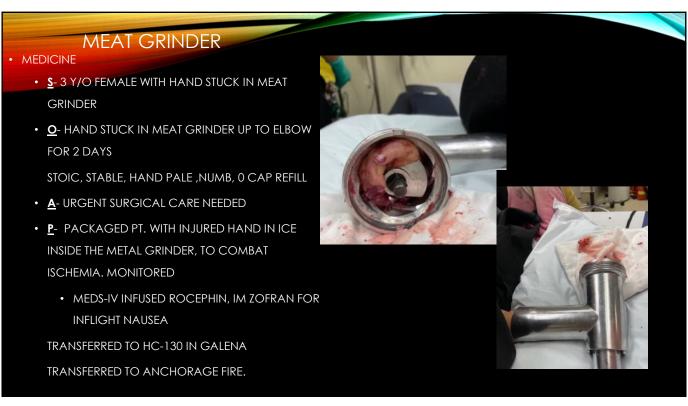
Dive Rescue/Recovery

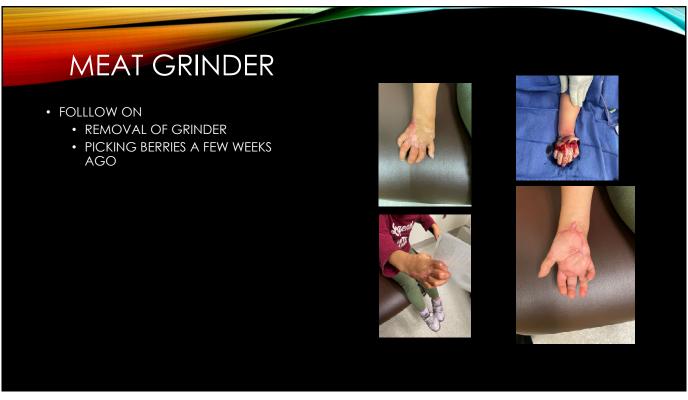
Swiftwater



MEAT GRINDER 23 FEBRUARY/1700L-24 FEBRUARY 2023/2000L

- SITUATION
 - REQUEST FROM THE ALASKA NATIVE MEDICAL CENTER TO MEDEVAC A PEDIATRIC PATIENT FROM VILLAGE WITH SEVERE TRAUMA TO THE RIGHT ARM.
 - CIVILIAN AIR AMBULANCES WERE UNABLE TO CONDUCT THE MEDEVAC DUE TO EXTENDED PERIODS OF POOR WEATHER.
- MISSION
 - PICKUP 3 Y/O PATIENT FROM VILLAGE APPROXIMATELY 500 MILES AWAY
 - BRING BACK TO SURGICAL CARE IN ANCHORAGE AT ALASKA NATIVE MEDICAL CENTER.
- EXECUTION
 - PICK UP PATIENT WITH HH-60 HELICOPTER DUE TO RUNWAY SIZE
 - TRANSFER TO HC-130 CARGO PLANE WAITING AT GALENA AIRFIELD 150 MILES FROM VILLAGE
 - FLY BACK TO ANCHORAGE
- COMPLICATIONS/CONTINGENCIES
 - NIGHT/WEATHER- 2 ATTEMPTS
 - HC-130 WAS PREPARED TO PARACHUTE IN IF NECESSARY





LESSONS LEARNED

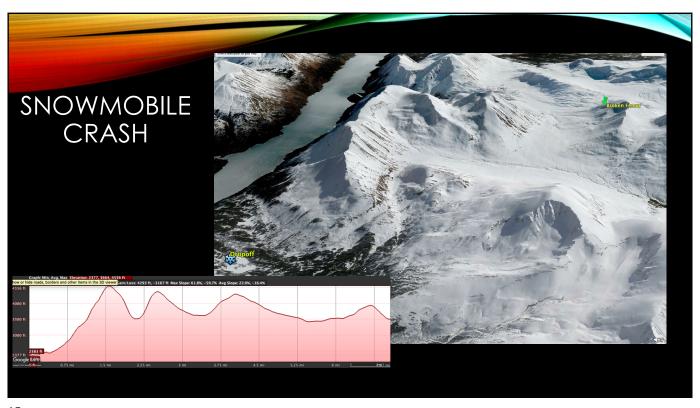
- Weather is always a factor, often the hardest thing
- Phone a friend
- Simplest may be the most effective

13

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SNOWMOBILE CRASH 5 MARCH 2016/1500L

- Situation
 - WOMAN INVOLVED IN SNOWMOBILE ACCIDENT IN BACKCOUNTRY, SUSPECTED BROKEN FEMUR.
- Mission
 - FLY TO ACCIDENT SITE 60 MILES, STABILIZE, PACKAGE AND RETURN TO ANCHORAGE
- Execution
 - DUE TO WEATHER, HELICOPTER COULD ONLY GET WITHIN 7 AIR MILES OF SITE
 - DECIDED TO MOVE OVERLAND TO PATIENT
 - DETERMINE IF OVERLAND EVAC WAS POSSIBLE
 - IF NOT REMAIN WITH PATIENT OVERNIGHT





SNOWMOBILE CRASH

- MEDICINE
 - §- 25 Y/O FEMALE C/O BROKEN LEG
 SNOWMOBILE FELL ON HER LEG APPROX. 1330L.

 CONTACT MADE AT 1945L
 - <u>O</u>-. NO LOC, VITALS STABLE,
 10/10 PAIN IN LEFT THIGH
 - A- SUSPECTED BROKEN FEMUR
 - P- IV ACCESS
 - MEDS-IM KETAMINE/VERSED

 KTD TRACTION SPLINT, PAIN DROPPED TO 2/1

 PACKAGED PT. IN -40 SLEEPING BAG

 MONITORED PATIENT AND WEATHER

 WEATHER CLEARED BUILDING SNOW CAVE

 HASTY LANDING ZONE

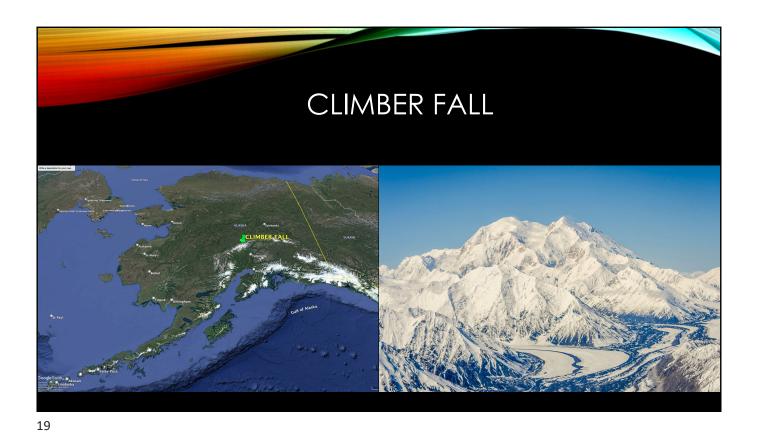
 TRANSFERRED TO ANCHORAGE @ 2215L



17

LESSONS DELIVERED

- Good Samaritans are everywhere
- Prepare for the worst, BE READY TO CHANGE THE PLAN
- The right tool
- Always keep an eye on weather



CLIMBER FALL
25 MAY 2011/2315L

- Situation

- ON PATROL WITH DENALI NATIONAL PARK SERVICE ON AT HIGH CAMP (17.200')

- GUIDED ROPED CLIMBING PARTY OF A FELL (18.000')

- WITHESSED PERSON ON KNEES WAVING

- Mission

- INITIATE RESCUE WITH NATIONAL PARK SERVICE AND VOLUNITEESS

- TRIAGE, RENDER AID AND EVACUATE

- EXECUTION

- KASTY IEAM AND MOVE TO SITE

- INITIAL TRIAGE POUND 2 WITH NO SIGNS OF UFE, 1 URGENT, 1 IMMEDIATE

- PATIENTS WERE STABILIZED, PACKAGED AND BROUGHT BACK TO TENS FOR TREATMENT

- IMMEDIATE EVACUATION BY HELICOPTER PUT ON HOLD UNTIL DAYLIGHT

- HIGH CAMP (17.K)

- HIGH CAMP (17.K)

- HIGH CAMP (17.K)

- HIGH CAMP (17.K)

CLIMBER FALL

- MEDICINE-Patient #1
 - §- 32 Y/O MALE, FRACTURED LEG, LACERATED SCALP WITNESSED CLIMBING PARTY FALL 1,400'
 ON KNEES WAVING THROUGH SPOTTING SCOPE MOVED TO TENT AT HIGH CAMP FOR TREATMENT
 - O- PATIENT TALKING, ALERT AND ORIENTED
 FRACTURED LOWER LEFT LEG
 MULTIPLE SCALP LACERATIONS
 - <u>A</u>- LEAST CRITICAL PATIENT, STILL REQUIRES TIMELY EVACUATION
 - P- SPLINTING

SUPPORTIVE CARE

PATIENT FLOWN TO 7200' CAMP NEXT MORNING

TRANSFERRED TO LIFEMED HELICOPTER



21

MEDICINE-Patient #2

CLIMBER FALL

- <u>\$</u>- 31 Y/O MALE UNCONSCIOUS
 - WITNESSED CLIMBING PARTY FALL 1,400'
 PATIENT MOVED TO TENT AT HIGH CAMP
- O- UNCONSCIOUS, DIFFICULTY BREATHING

 DECORTICATE POSTURING

 CLENCHED JAW

 VOMIT SEEPING THROUGH TEETH
- A- CLOSED HEAD INJURY, IMMEDIATE EVAC

ROPED WRAPPED AROUND MIDSECTION

- P- CRIC W/ IMPROVISED EQUIPMENT

 O2-ASSISTED VENTILATIONS
 - MEDS-DEXAMETHASONE
 PATIENT FLOWN TO 7200' CAMP
 TRANSFERRED TO LIFEMED HELICOPTER
 F LOWN TO ANCHORAGE





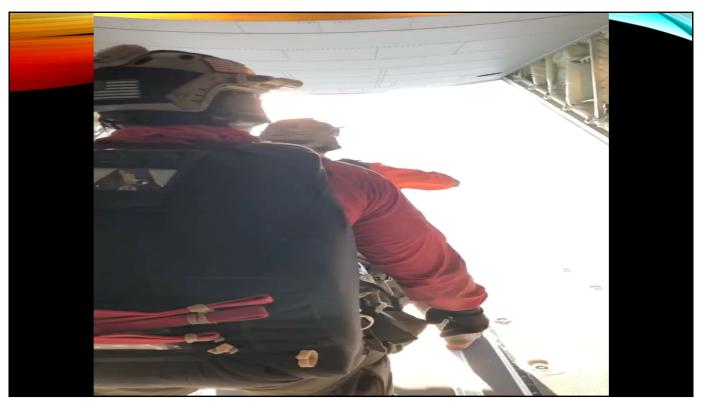
LESSONS LEARNED

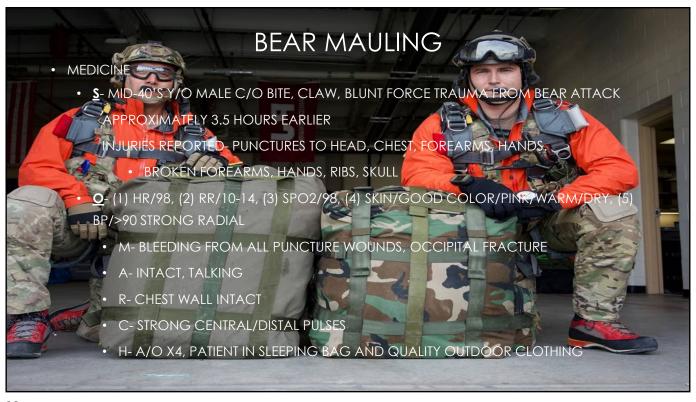
- Survival first, Team and Patients
- Weather AND Environment
- If you don't have it, you don't need it



BEAR MAULING INCIDENT 10 JUNE 2019/0200L

- Situation
 - INJURED HUNTER FROM BEAR ATTACK, 350 MILES NW OF ANCHORAGE
 - REPORTEDLY IN SHOCK FROM MULTISYSTEMS TRAUMA
- Mission
 - DEPLOY 2 PJS VIA PARACHUTE FROM HC-130 CARGO PLANE TO DELIVER IMMEDIATE MEDICAL CARE
 - PICKUP WITH HH-60 HELICOPTER AND TRANSLOAD TO HC-130, RETURN TO ANCHORAGE
- Execution
 - JUMPED IN WITH SHOTGUN, MEDICAL/SURVIVAL EQUIPMENT, LANDED AND MOVED 700 METERS TO PATIENT- 0530L
 - FIRST PHASE OF TREATMENT-45 MINUTES
 - PICK UP PATIENT WITH HH-60 HELICOPTER- 0615L
 - TRANSFER TO HC-130 CARGO PLANE WAITING AT GALENA AIRFIELD 75 MILES FROM ATTACK-0700L
 - SECOND PHASE OF TREATMENT-90 MINUTES
 - FLY BACK TO ANCHORAGE
 - TRANSFER TO U.S. ARMY HELO FOR SHORT FLIGHT TO HOSPITAL- 5 MINUTES











BEAR MAULING

MEDICINE- IN AIRCRAFT

- §- MID-40'S Y/O MALE BEAR MAULING
- O-CONSTANT REASSESSMENT OF VITALS AND INTERVENTIONS
 - HELO RIDE (1) HR/90-105, (2) RR/10-14, (3) SPO2/98, (4) SKIN/GOOD COLOR/PINK/WARM/DRY, (5) BP: 115/78
 - PLANE RIDE (1) HR/82-105, (2) RR/10-14, (3) SPO2/98, (4) SKIN/GOOD COLOR/PINK/WARM/DRY, (5) BP: 76/46 (JUST AFTER TAKE OFF) BP: 92/58-115/74 (REMAINDER OF FLIGHT)
 - HELO TO HOSPITAL (1) HR/94, (2) RR/10-14, (3) SPO2/98, (4) SKIN/GOOD COLOR/PINK/WARM/DRY, (5) BP: 110/78
- <u>A</u>- MUTLI-SYSTEMS TRAUMA, TREAT WITH AV-GAS
- P- PREPPED PRBCS FOR LOW BP, PATIENT STABILIZED ON NEXT SET OF VITALS.
- NO NEW INTERVENTIONS NEEDED
- TRANSLOAD TO U.S. ARMY HELO IN ANCHORAGE FLOWN TO HOSPITAL- 5 MIN

LESSONS LEARNED

- SCENE SAFETY
- IT'S NOT OVER UNTIL YOUR HOME

LESSONS LEARNED

- ENVIRONMENT GETS A VOTE...ALWAYS
 - WEATHER
 - ALTITUDE
 - TERRAIN
- GOOD SAMARITANS
- NO PAGE IN A BOOK, DYNAMIC SITUATION
 - NO GOOD OR BAD
- IF YOU DON'T HAVE IT, YOU DON'T NEED IT
- EMERGENT CARE CAN BE HOURS IF NOT DAYS AWAY-PLAN FOR IT MENTALLY
 - BALANCE BETWEEN TAKING TOO MUCH OR TOO LITTLE

33

