2019
Mount Shasta Wilderness
Search & Rescue - Incident Narratives

5.2.19 – Near Summit - false InReach SOS activation

Siskiyou County SAR and USFS Rangers were notified of an InReach SOS activation near the summit of Mount Shasta. The InReach unit was determined to be moving. Siskiyou County Sheriffs Dept SAR coordinator, Mike Burns determined through phone calls to Meyers and mountain guides on the mountain that no action was necessary and confirmed false activation.

5.5.19 – Avalanche Gulch – lost climber – female/36

At approximately 1630, a 36-year-old female climber separated from her group one mile past the Horse Camp cabin. The climbing party had descended the Avalanche Gulch route together but eventually became separated near treeline. The female climber stated that she followed some snowshoe tracks but missed the “turn off” to Bunny Flat, a 90 degree jog to the east to cross a low saddle in Green Butte Ridge. When she realized she was lost, she could not call her climbing partners because she had lost her cell phone earlier while glissading in Avalanche Gulch. She stated that she wandered around in the forest until she decided to follow her tracks back to where she initially thought she had become lost. At this time the sun was setting, and so she set up her tent. She had a stove, food, and sleeping bag with her and made camp. At 1900, her partners called 911 to report their friend never arrived at the Bunny Flat trailhead. Sheriff Mike Burns contacted the U.S. Forest Service (USFS) Mt. Shasta Climbing Rangers to report the missing climber. The following morning, 05.06.2019, the female climber was located near Horse Camp at 0700 by one of her friends. Rangers and Siskiyou County SAR members were staged at Bunny Flat preparing for the SAR. Around 0820 the lost climber and her friends arrived at Bunny Flat. She was uninjured and in good health.

5.11.19 – Avalanche Gulch – slip/fall - failure to self-arrest

At 0755 Lead Climbing Ranger Nick Meyers called Paul Moore and notified him of a fallen climber in Avalanche Gulch. Other climbers were on scene aiding the injured climber. Ranger Moore was at Lake Helen, 10,400’. Moore looked up the route and could see the injured climber and individuals surrounding him. Moore packed up rescue gear and strapped a backboard to the outside of his pack and started to climb up to the party at 0804. Moore arrived on scene at 0830. Ranger Meyers, in partnership with Siskiyou County SAR coordinator Mike Burns, notified the CHP (H14) helicopter crew of the situation. The location of the incident was near the Upper Moraine at 11,100 feet in Avalanche Gulch. Two of the men on scene were retired firefighters and a third was an EMT. They had built a platform and secured the patient to the slope with an ice axe anchor and some cord. Ranger Moore instructed 2 of the climbers to get upslope with their shovels to deflect falling rime ice. The amount of falling rime was
more than normal and a real objective hazard. Moore asked what happened and looked over the patient. The patient had obvious facial trauma and bleeding that had already been stopped. He was wearing a helmet and the initial responders removed it. A quick assessment revealed left shoulder/arm pain as well facial trauma. No other injuries were found. Witnesses stated that around 0730 Richard Zhang, 53, fell approximately 1,000 feet from near the Heart 12,300’. He “rag dolled” and some climbers helped “jump on him” until he came to a stop at 11,100’. He was initially unconscious and later confused. He knew his name but did not know he was on Mt. Shasta. Richard initially said he was solo. Later he told his helpers that two of his friends were higher on the mountain. Turns out, there were three of Richard’s climbing partners above him who had no idea of his fall due to party separation. Richard did not recall the details of the fall. He did not self-arrest and lost his ice axe in the fall. Based on his MOI and facial trauma, Moore decided to backboard the patient. A C-spine collar was placed on Mr. Zhang. Moore coordinated his movement onto the board with the help of others. He was secured with webbing and head blocks were placed. CHP was notified by Moore that they were ready to hoist via the Bowman Bag. At 0920, CHP hoisted the patient and flew him to Mercy Mt. Shasta Hospital.

5.24.19 – Clear Creek – lost solo climber – male/33

A 33-year-old male climber arrived in Mount Shasta with his girlfriend at 0100 on the morning of 05.23.2019. After 2 hours of sleep at approximately 0330 he headed to the Clear Creek trailhead alone. Access was blocked by snow 3.4 miles from the trailhead where he parked his vehicle. He started climbing at 0545 and successfully reached the summit via the Clear Creek route at 1800 in whiteout conditions. Soon after he began his descent, he became disorientated. At 2056 he texted his girlfriend a screen shot of his location telling her he was lost. The map on the screen showed Hunter at approximately 11,000 feet on the Wintun Glacier having descended too far north of the Clear Creek route. The climber’s girlfriend called 911. At 2100 Lead Climbing ranger Nick Meyers received a call from Siskiyou County sheriff deputy Joe Hopper concerning a missing climber on the east side of Mount Shasta. Joe Hopper had spoken to the climber. Meyers called Hunter and after a short discussion of location and route down the mountain, Hunter stated that he would hike out and self-rescue. The following morning, there had been no word from him and a search and rescue was organized by Siskiyou County SAR. USFS climbing rangers set out on skis, county SAR members began searching the roads and CHP Helicopter H16 began an aerial search. At 1455, H16 located tracks near Ash Creek falls. GPS coordinates were giving to USFS Climbing Rangers who found the tracks. At 1530, H16 located the climber and performed a hoist operation with climbing rangers nearby, ready to assist if needed. At 1545, the lost climber was safely at SAR Base. He suffered from fatigue due to exposure, lack of sleep, and ascending too quickly. These were all contributing factors to getting lost along with poor navigation tools and unfamiliar with the terrain.
5.25.19 – Green Butte Ridge- slip/fall – male/54

A 54-year-old male climber slipped and fell while descending the Green Butte Ridge route. By the time Siskiyou County SAR and the USFS Climbing Rangers received the 911 call, he and some of his party members had made a traverse over to Helen Lake and were waiting at the ranger tent. Rangers Coots was conveniently just above Helen Lake, descending from his summit climb that day and was able to quickly arrive on scene around noon. Siskiyou County requested CHP helicopter and shortly after, landed at Helen Lake with the assistance of Coots for pickup. The climber was transported to Mercy Mt Shasta. The climber reported moderate mountaineering experience.


A 31-year-old female fell and twisted her ankle while skiing Green Butte Ridge at approximately 1500. The skier’s friends descended to the Bunny Flat trailhead where they alerted USFS Climbing Rangers of the accident. Rangers Coots and Sorenson responded from Bunny Flat. Qin was attempting to walk down when climbing rangers arrived on scene at 1520. The skier was transported via a SKED litter to Bunny Flat trailhead where she was released.

6.2.19 – Avalanche Gulch– skiing fall, broken femur – female/23

At 0640 on Sunday June 2
\(^{nd}\) Siskiyou County SAR coordinator Mike Burns notified USFS ranger Sorenson and Coots of a fallen skier in Avalanche Gulch with a chief complaint of a broken femur. Approximate location of the skier was below the Lake Helen high camp, in the 50/50 Flat area. Witnesses stated that around 0630, Tara Quattcone, 23 of Bellingham, Washington slipped while skinning up towards Lake Helen, falling approximately 500ft. Both Rangers Coots and Sorenson responded from their 11,000-foot location on the Avalanche Gulch route. Coots and Sorenson reconfigured at the Helen Lake ranger tent, packing up the necessary gear to perform a helicopter extraction or ground transport (pending helicopter availability). At 0700 Ranger’s Coots and Sorenson left Helen Lake and descended the 500ft to the injured climber/skier. At 0705 Rangers Coots and Sorenson arrived on scene, notifying Siskiyou County SAR coordinator Burns and requesting helicopter extraction. Ranger Sorenson/Coots constructed a snow platform for the injured. A patient assessment revealed a likely femur fracture based off the patient experiencing extreme pain. Both Rangers Coots and Sorensen did not have a traction device on hand. They attempted makeshift methods, but all proved ineffective. At 0800, CHP H14 arrived on scene, and lowered the Bowman bag litter down to Ranger Coots on the ground. Coots/Sorenson moved Tara into the bag and secured her inside. At 0815 CHP H14 hoisted and transported her to Mercy Mt Shasta. A broken femur was confirmed later. Snow surface conditions were smooth and icy that particular day.

6.8.19 – Avalanche Gulch – skiing fall, broken ribs – male/39

At 1200 on Saturday June 8\(^{th}\), Ranger Coots while at Lake Helen was informed of a possible injured skier at the bottom of The Heart with a chief complaint of possible broken ribs. Ranger
Coots made the notification to Siskiyou county SAR coordinator Mike Burns of the injured skier. Ranger Coots requested via SAR Coordinator Burns for a helicopter extraction from the Helen Lake high camp. At 1245, Ranger Coots arrived on scene, meeting the injured skier at 11,000 while he was descending on foot to Helen Lake. After a patient assessment, Coots confirmed possible broken ribs. Witnesses stated that Michale Calarco, 39 of Sacramento, CA had fallen while skiing near the middle of The Heart. The snow surface conditions were very smooth and icy. The witnesses stated that he fell around 600 ft before coming to a rest below the upper moraine above Helen Lake. Ranger Coots decided to continue to walk with Michale to the nearby Helen Lake high camp for the helicopter extraction. At 1330, CHP-H16 landed at Helen Lake where Michale was loaded into the aircraft and flown to Mercy Mt Shasta.

6.9.19 – Avalanche Gulch – slip/fall – loss of consciousness – male/60

At 0550, Thomas Su, 60, slipped and fell at approximately 12,300’ in Avalanche Gulch. He did not have his axe in hand after he fell and thus was not able to self-arrest. He slid ~800’ headfirst to 11,500’ where two climbers were able to stop him. The two climbers stated that Mr. Su was unconscious for 5 minutes before waking with an altered level of consciousness. At 0600, two guides from Shasta Mountain Guides arrived on scene. A platform was dug out of the slope and the patient was insulated from the snow with packs, ropes and jackets. The guides took c-spine precautions by manually holding his head. A patient assessment revealed facial trauma (abrasions, bleeding, swelling, and bruising) and a possible head injury. The patient was wearing a helmet. Vitals were taken. He was found to be initially A+Ox1 and later A+Ox2. He was covered with a space blanket and kept warm with hot water bottles when a passing climber let the guides use his stove. Guides dialed 911 was called and the Siskiyou County Sheriff and USFS Climbing Rangers were notified. Ranger Paul Moore responded from Lake Helen and arrived at 0715. With the help of the guides, Ranger Moore packaged the patient in a SKED litter after improvising a c-collar with a SAM splint. CHP-H16 responded and lowered the bowman bag litter. Su was placed in the bag and H16 hoisted the patient. The rescue was complete at 0830 and Su was flown to Mercy Mt. Shasta Medical Center.

6.9.19 – West Face – slip/fall – knee/ankle injury

A climber slipped and fell on the West Face route, the morning of June 9th. Conditions had been smooth and firm on the upper mountain, typical conditions of April and May. A rescue on the Avalanche Gulch route was already in progress and a California Highway Patrol helicopter was in the area. CHP was able to bump over Casaval ridge and quickly land and pick up the injured climber in Hidden Valley. The climber suffered minor abrasions and an unknow leg injury.


At 1300 on Sunday June 9th 2019, Gang Chen of Fremont Ca, walked into the USFS Helen Lake high camp requesting first aid after a fall while descending the upper mountain of the Avalanche Gulch route. Ranger Coots and Sorensen conducted a patient assessment and
bandaged Mr. Chen’s abrasions and cuts on his lower back, lower chest and arms. After the first-aid support by rangers, Chen was released and self-rescued along with the other members of his party.


A 76-year-old male slipped and fell while climbing the Avalanche Gulch route. The climber noticed his partner’s crampon came off while climbing and attempted to scamper over to stop the crampon from sliding down the hill. He tripped, his ice axe fell out of his hand and he slid approximately 300 feet down the mountain. The two male climbers were about 1,000 feet from the top of the Redbanks formation. The climber came to a stop by hitting a large ice block. He suffered a broken thumb, a minor bone in neck and rib and large contusion to the leg.

California Highway Patrol was requested by Siskiyou County SAR personnel. CHP was able to hoist the climber with their own crew. USFS Meyers and Coots staged at Mercy Mt Shasta helipad.

6.22.19 - North Side, Hotlum/Bolam Ridge – slip/fall, inReach activation - male

During the afternoon of June 22nd, a climber slipped and fell low on the main Hotlum/Bolam Ridge route. He activated his inReach SOS function and reported injuries to his hands and needing help.

Siskiyou County SAR requested CHP H-16 for aerial recon. All rangers were on the south side of the mountain at Helen Lake. While en-route, SAR personnel was notified that the climber had received assistance from another climbing group and would self-rescue off the mountain.

The rescue and helicopter were cancelled.

7.2.19 – Clear Creek route - separated from party, disoriented on descent - female

A female climber and her boyfriend attempted a two day climb of the Clear Creek route. On their second day, the two began climbing to the top and at some point, separated. The boyfriend went back to their camp near 10,000 feet. Nidia continued and eventually turned back. Upon descending, she became disoriented and called 911.

Ranger Paul Moore happened to be out for the day on the same route. Moore was near the Clear Creek springs when the 911 call came in from Siskiyou County SAR. Ranger Moore was able to respond immediately and within 10 minutes had a visual on her. Moore made contact, assisted her back to her camp and her boyfriend and made sure they were comfortable/familiar with the route back to the trailhead. Both climbers were not injured and said they were okay with traveling on their own back to the trailhead. Ranger Moore ceased contact.
7.17.19 - Old Ski Bowl/Green Butte - male and female - 50’s - stranded on cliff edge

Two hikers started hiking from Bunny Flat at 10:30am toward the Panther/Old Ski Bowl/Green Butte area. Their exact path of travel is not known. (The gate at Bunny Flat was still closed due to snow). Late in the day, approximately 2 hours before sunset, the two became stranded on a loose, rocky ledge over a large cliff. They reported cramps and panic attacks and called 911. Their location was along the southern ridge line that separates Powder Bowl from the Old Ski Bowl. Initially, CAL FIRE and Mount Shasta Fire Dept received the call and responded. Eventually, Siskiyou County SAR and USFS Rangers were notified. Ranger Meyers, Sorenson and County SAR coordinator Burns responded to the Old Ski Bowl. California Highway Patrol H-16 was requested by the county and on scene 15 minutes before sunset. CHP H-16 inserted SAR personnel to the hiker’s site, separately hoisted both hikers back to the Old Ski Bowl parking lot. Both were taken back down to Bunny Flat.

8.15.19 – Avalanche Gulch - slip/fall - off route, unfamiliar with terrain, inadequate equipment, poor judgement - male, 30

Two climbers attempted a one day climb of the Avalanche Gulch route. Both were equipped with lightweight distance running style backpacks, gore-tex running shoes, micro-spikes as their “crampons” and ice axes. One of the climbers had experience on Mount Shasta. The two began to travel off route above Helen Lake, veering climbers right onto the flank of Sargents Ridge, locally dubbed the “Alaska Chute”. This steep snow slope ascends toward the saw tooth portion of Sargents ridge. About halfway up, one of the climbers attempted to adjust his micro spikes on his shoes as they were beginning to slip off. He slipped and fell, sliding several hundred feet down the slope. He stuck his foot out to avoid hitting a rock and continued to slide down the slope. He suffered a severe tear or fracture to his right ankle.

Siskiyou County SAR and USFS Rangers were notified. CHP H-14 was requested. Meyers and H-14 flew to Helen Lake for a landing. Meyers and a CHP crew member climbed to approximately 11,200 feet with a SKED and lowering equipment. The patient was examined and cleared for any life-threatening injuries. His chief complain was his right ankle. Meyers and CHP crew member packaged the patient in the SKED and lowered by hand to the eastern side of the upper moraine above Helen Lake. H-14 pilot was able to conduct a “toe-in” hover landing and Meyers and CHP crew member loaded the patient into the helicopter.

8.15.19 – Whitney Glacier - crevasse fall, glissaded into bergschund, off route, unfamiliar with terrain, inadequate equipment, poor judgement, no navigation tools - female, 32

Two hikers attempted an up and over of Mount Shasta, climbing the Clear Creek route with the intention of descending the West Face. This was the end of their several hundred-mile trip from Ashland, Oregon south, down through 7 wilderness areas west of I-5. They camped the first night near the Clear Creek springs. Their second night, they made bivy near the summit as they summited near 5pm. Day 3, they attempted to descend the West Face only to mistakenly start
down the head of the Whitney Glacier. The two did not have an ice axe, crampons, helmet or any other mountaineering gear. They were equipped as lightweight hikers and had running shoes with small gaiters for footwear. The two decided they would try to “butt scoot” (glissade) down the head of the Whitney glacier, unbeknownst that this was the wrong way with ample danger below. The female climber wanted her boyfriend to go first and insisted she be directly behind hugging him...essentially glissading together, holding onto each other, one behind the other. The two began their glissade and very quickly lost control, sliding directly into the Whitney glacier bergschrund (crevasse). The male hiker landed face first on the downhill side of the bergschrund, hitting his face and breaking his sunglasses on the firm snow and ice, but was uninjured. The female hiker landed directly on top of him and then fell back into the bergschrund. She landed about 25 feet deep down in a vertical ice and snow hole. Below, the bergschrund fell away further. Fortunately, she was able to catch herself on a small ice shelf but unable to climb out. Miraculously, good cell service inside the crevasse allowed a 911 call. She stated that she was perched on an ice ledge, about to fall deeper into the crevasse and to hurry. A strong sense of urgency was relayed and implied.

Siskiyou County SAR and USFS Rangers were in the area and just finishing up a rescue in Avalanche Gulch on the south side of the mountain. While Siskiyou County and FS Rangers assembled additional gear and personnel, FS Ranger Meyers was already on the mountain for the south side rescue. It was decided that the best course of action was to quickly insert one person at scene and fix a rope around the climber as well as assess further resources needed. CHP H-16 picked Meyers up in the Old Ski Bowl and transported to the bottom of Misery Hill. Meyers was on scene within 15 minutes of landing/drop off. The crevasse was at approximately 13,000 feet. CHP helicopter H-16 was able to drop Meyers very close to the accident site before density altitudes changed. Subsequent flights to drop off SAR personnel had to occur lower in the Shasta/Shastina saddle. Rescuers then had to climb to the location, about a 45 minute climb.

On scene, Meyers immediately constructed a snow anchor and lowered a rope to the hiker in the crevasse instructing the patient to tie the rope around the waist. After securing the patient, Meyers conducted a verbal patient assessment finding nothing significant. All other rescue personnel were up to 1 hour + away due to the new, lower elevation landing zone for the helicopter. After a repeated verbal assessment for injury and finding nothing significant, Meyers decided to try and manually hoist the patient out with the aid of her boyfriend. Using a snow picket and munter hitch belay, Meyers and the boyfriend were able to pull the patient up and out of the bergschrund. The patient was able to also aid in her own rescue by stemming and climbing out of the hold with rope assistance. Meyers immediately requested hoist from H-16 and the hiker was successfully hoisted at 1630. Other rescue personnel enroute were cancelled. Meyers and the uninjured boyfriend hiked down to the Shasta/Shastina saddle for final extrication via CHP helicopters. The patient suffered minor cuts, bruises and was very cold...and humbled.
USFS Climbing Rangers responded to a heat related illness of an 83-year-old woman at Horse Camp. Horse Camp is 1.7 miles via a well-used trail from the Bunny Flat trailhead. USFS fire personnel and Cal Fire were already on scene. The patient was not feeling well and was unable to hike out on her own accord. Cal Fire medics assessed the patient and placed her on oxygen. Her vitals were stable. She was placed in the wheeled stokes litter and firefighters and rangers transported the patient to Bunny Flat where an ambulance was waiting.

At 0714, climbers on Mount Shasta called 911 to report an unconscious climber (27 year old Hispanic male) with a head injury in Avalanche Gulch at approximately 11,000 feet. The accident was unwitnessed. The reporting party (RP) were members of the injured climber’s team. The RP stated the team initially got off route going far climbers’ left up the slopes of Casaval Ridge, above the Upper Moraine (11,400 feet). At this point, a different and older member of the team slipped, injuring his leg and face. The team was now uncomfortably off route on a steep slope along with an injured member of their party. They decided to descend, using a rope to lower the injured climber. Carlos, 27, and in good shape, decided to descend alone, not wanting to wait to use the rope according to the RP. Carlos was later found unconscious by the team and 911 was called. At 0722, Sheriff Deputy and Siskiyou County SAR Coordinator Mike Burns, notified USFS Climbing Rangers and the Northern California Highway Patrol helicopter crew of the accident. USFS Ranger Coots notified Redding ECC to request a helicopter use in the wilderness. He then notified fellow Climbing Ranger Paul Moore. ECC approved the helicopter at 0742. At 0805 the Rangers rendezvoused with Mike Burns and CHP at the Mercy Mount Shasta Helipad. After offloading gear from the H-16 helicopter, the CHP pilot with an onboard CHP paramedic and flight crew member flew to the site of the injured climber. Already on the scene was off duty Squaw Valley Fire Paramedic, Scott Halferman, who was climbing the mountain and came to the injured climber’s aide. CHP lowered a backboard and bowman bag and then inserted the CHP medic to the scene. The patient was assessed and packaged. According to the medics, the patient suffered a head injury and facial trauma. His eyes were not tracking, he was posturing and had agonal respirations. His injuries are consistent with a slip and fall with a failure to self-arrest. The patient was hoisted and flown to Mercy Mount Shasta. Ranger Coots, CHP paramedic and SAR Coordinator Burns offloaded the patient from the helicopter and placed on a Mt. Shasta Ambulance gurney while Ranger Moore performed BVM ventilations with supplemental oxygen until he was loaded in the ambulance and the CHP medic took over. The patient was transported to the Emergency Room. The rescue was completed at 0908 and Redding ECC was notified. On September 2nd, Carlos Flores succumb to the injuries sustained during his slip and fall. The Sheriff’s office advised of Flores death on Monday afternoon.
9.20.19 - Clear Creek – lost – couldn’t find vehicle - male

Early Friday morning, Trevor began driving over to the east side of the mountain with intentions of going for a day hike on the Clear Creek Trail. He began driving at around 2am and entered “clear creek trail” into his Google mapping application on his iPhone. He followed the directions given to him by his phone and eventually it told him “he had arrived”. Little did he know, he was nowhere near the Clear Creek Trailhead and not at any trailhead. Trevor slept for a couple hours and then began hiking around 5am, when it was still dark out. He followed a faint “trail” for a short distance before it faded and became off trail hiking. Trevor hiked up to just above treeline that day and then started his descent. Unfortunately, he became lost on his way back down. He attempted to use his phone to navigate as well as a compass he had, but this only took him farther away from where he had parked. He did not set a location pin of his vehicle. Trevor wandered around looking for his car from 11am to 4pm. It was then he became concerned and started to panic. He tried numerous 911 calls but was unable to get through with the poor cell service. Eventually, he was able to get through to the US Forest Service ranger station in Mount Shasta and transferred to on duty ranger, Nick Meyers. Meyers immediately talked Trevor through acquiring his lat/long location via his iphone. Meyers then attempted to help Trevor walk back to his vehicle, but without knowing exactly where the vehicle was, this proved difficult. Meyers instructed Trevor to stay put and would drive out to pick him up and help return Trevor to his vehicle. Meyers reached Trevor’s location and spent the next 3 hours driving roads and asking Trevor questions to help aid the search. His vehicle was not found at the actual Clear Creek Trailhead or on any of the roads near the area. Trevor finally mentioned that he had crossed a creek, and Meyers then knew that he had crossed Ash Creek, the only legitimate flowing creek on that side of the mountain. This helped tremendously. Trevor was able to point on a map where he thought his vehicle might be based on that information. In a last-ditch before calling it off for the night, Meyers and Trevor drove to the location Trevor pointed out on a map and there sat his vehicle. Trevor was uninjured and made it safely off the mountain.

10.6.19 – Clear Creek – Mud Creek Canyon – lost – public assist/self-rescue

On October 6th 2019, a climber became lost on the Clear Creek route and called 911. Siskiyou County Sheriffs SAR coordinator patched the call through to on duty USFS climbing ranger Coots. After speaking to the lost climber, Ranger Coots instructed the climber to take several photographs of his location and text them to him. Coots was able to edit the photo, drawing arrows on the images to help the climber travel down the mountain and regain the correct route and eventually the trail. After several back and forth texts and phone calls, the climber was able to locate the trail safely and continue back to his camp. The climber texted Coots one last time announcing he was safe and off the mountain.
12.31.19 – Old Ski Bowl - hip injury – female – Cal Fire response

A female slipped and fell near the Old Ski Bowl. Initial reports came in for a dislocated/broken hip injury. Cal Fire was dispatched and handled the incident. The injured was extricated via California Highway Patrol helicopter.