

2010 Accidents & Recommendations



Club-Wide Safety Committee

Dan Lauren (Chair). Bellingham: Steven Glenn, Kenneth Small. Everett: Harlan Brown, Lisa Loper, Tony Tsuboi. Olympia: Thomas Pearson. Seattle: Kirk Alm, Helen Arntson, N. Michael Hansen, Miriam Marcus-Smith, Jim Nelson, John Ohlson, Gene Yore. Tacoma: Stephan Kleine, Amy Mann, Gary Peniston, Mindy Roberts.

The Mountaineers

6 June 2011

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2010 Incidents



- **5 Major Incidents**
 - **Definition: 911/SAR and/or hospitalization**
- **11 Significant Incidents**
 - **Definition: Injury & Dr. visit, no 911/SAR**
- **73 Minor Incidents**
 - **Definition: No Dr. visit**

Comparison By Year



Incident Type	'06	'07	'08	'09	'10
Major (SAR and/or hospital)	9	1	3	7	5
Included Fatalities	1	1	0	0	0
Significant (Injury & Dr. - no SAR)	NC*	13	13	6	11
Minor (No Dr. visit)	NC*	37	55	71	73

***Not Collected**

2006-2009 Major Incidents → Appendices

Request of Trip Leaders



- **Please use “Incident Reporting” section in Activity Report to document all incidents**
 - **As soon as possible after trip**
 - **Also include no-injury “near-misses”**
- **Any information is better than nothing**
- **This is principal source of information for our reports**
- **We will follow up if we need more**

Major Incidents (5) (911, SAR and/or hospitalization)



- 1. Overdue Party** **4-29-10**
 - **Currie-Blackcomb Traverse**
 - **SAR, helo evacuation**
- 2. Broken Ankle & Leg** **5-1-10**
 - **Spire Rock, unroped traverse**
 - **911**
- 3. Broken Neck** **5-14-10**
 - **Baker Lodge, child fell from top bunk**
 - **911, hospitalization**



Major Incidents

4. Broken Ankle

5-16-10

- **Mt. Erie, climb, leader fall**
- **SAR**

5. Broken Ankle

6-20-10

- **Royal Columns, Tieton, Climb**
- **Leader fall**
- **SAR**

Significant Incidents (11)

(Injury and Dr. visit, but no SAR)



- **Fall during self-arrest practice** **1**
- **Slip/Trip/Falls on non-technical terrain:**
 - **Fall on trail** **6**
 - **Fall on snow** **1**
 - **Kicked back of leg** **1**
 - **Fell off log** **1**
 - **Cut finger on rock** **1**

Significant Incident Injuries



- **Torn bicep muscle in shoulder**
- **Deep gash in leg**
- **Broken finger**
- **Broken shoulder**
- **Broken wrist**
- **Crampon puncture of leg**
- **Tendon tear in knee**
- **Fractured fibula**
- **Sprained ankle**
- **Sliced finger**
- **Broken rib**



Significant Incidents

- **Two Significant Incidents occurred on organized Field Trips**
 - **Scramble**
 - **Intermediate Ice**

Minor Incidents (No Dr. visit)



- **73 incidents reported**
 - **Likely under-reported, but improving as Leaders learn of our interest**

Minor Incidents



- **Fall - 28**
 - **Fall during glissade – 1**
 - **Fall on non technical terrain – 16**
 - **Fall on rock (roped) – 1**
 - **Fall on snow – 10**
- **Hit/Cut - 4**
 - **Cut by equipment – 3**
 - **Hit by falling object – 1**

Minor Incidents (Cont.)



- **Illness - 18**
 - **Altitude sickness – 2**
 - **Blisters - 4**
 - **Cramping – 1**
 - **Feeling weak – 2**
 - **Heat exhaustion – 2**
 - **Hypothermia - 1**
 - **Knees / ankles– 3**
 - **Previous injury - 3**

Minor Incidents (Cont.)



- **Kayaking – 3**
 - **Kayaking other – 1**
 - **Kayaking weather – 2**
- **Logistics – 6**
 - **Party Separation – 5**
 - **Routefinding – 1**
- **Preparation - 2**
 - **Conditioning – 2**
- **Other - 12**
 - **Informational – 10**
 - **Route warning - 2**



Recommendations Categories

- **Leading Rock**
- **Slips, trips and falls**
- **Equipment**



Learning to Lead Rock

- **Students should practice well within their ability**
- **Students should practice where fall is unlikely to cause injury**
- **Sew up the route**

Slips, Trips and Falls



- **Very common on non-technical terrain**
- **Special emphasis: be careful on descent**
- **Avoidance**
 - **Be aware of risks**
 - **Wet rock**
 - **Moss**
 - **Bark on logs & wet logs**
 - **Could use trekking poles for balance**

Electronics & Equipment



- **Know how to use**
- **Understand limitations**
- **Batteries**
 - **Keep warm in winter**
 - **Be sure fresh and/or charged**

More Information



- **Much more detail online**
 - **Accident Reports (2006-2010)**
 - **Recommendations (2006-2010)**
- **Right click and open Hyperlink to The Mountaineers Safety Committee:**
 - <http://www.mountaineers.org/source/communities/documentArchive.cfm?section=communities&CmtId=2&ParID=267>

Contacts



Dan.Lauren@weyerhaeuser.com (Chair)

John-Ohlson@comcast.net (Editor, this Doc)



A-1. 2006 Major Incidents

- ❖ **Fall on snow w/ice ax – arrest failure**
 1. Cracked pelvis & vertebrae - Crosby Mtn
 2. Lacerated knee, bruised ribs - The Brothers
- ❖ **Steep snow travel - w/o ice ax**
 3. Broken leg - McClellan Butte
 4. Lacerated head - High Priest
- ❖ **Uncontrolled Glissade**
 5. Lacer. face, abdominal puncture - Red Mtn

2006 Major Incidents



❖ Rock Leader Fall

6. Bruising, chipped vertebrae - Chair Peak

❖ Unroped Fall

7. Possibly caused by stroke - broken leg, back, neck, fatality by blood clot 3 weeks later - Yellowjacket Tower

8. Concussion, ankle and wrist injury - Lundin Peak



2006 Major Incidents

❖ Party separation

9. Solo unplanned bivy (2 nights)
 - Hypothermia, dehydration and frostbite
 - Muncaster Mountain



A-2. 2007 Major Incident

- **Hike on Mt. Jupiter**
 - **Fatality**
 - **“Congenital Coronary Artery Hypoplasia”**

A-3. 2008 Major Incidents



- 1. Fractured Hip (hospitalized)**
 - **Magnuson Park Clubhouse - ladder fall**
- 2. Fractured Leg (SAR, hospitalized)**
 - **Suntop Road – ski tip caught**
- 3. Fractured Leg (SAR, hospitalized)**
 - **Mt. Baring – arrest failure, 150' slide**

A-4. 2009 Major Incidents

1. Hip Hematoma

- **Tacoma Clubhouse – step thru ceiling**

2. Deep abdominal cut + Other

- **McClellan Butte, Climb – loose boulder**

3. Fractured Ankle

- **Camp Muir, Scramble – snowshoe fall/slide**

4. Deep Leg Gash

- **Icicle Ridge, Hike (Singles) – fall from log**

2009 Major Incidents

5. Lost Overnite

- **Kaleetan Peak, Scramble**
- **Member separated from party**
 - **Chose “better route”**

6. Felt Faint

- **Foss Waterway, Sea Kayaking**
- **Wilderness First Aid event**

7. Panic Attack

- **Tacoma Clubhouse, MOFA class**



A-5. Club Wide Safety Committee

- **Reports to Board of Trustees**
- **Established after Sharkfin Tower Accident**
- **Promote a culture of safety in The Mountaineers**
 - **Collect/report accidents and near-misses**
 - **Educate our leaders and instructors**