

**CMC AM FORM: YEAR 2**

 DATE: 20200310 TIME: 0700 LOCATION: CMC LV

 OBSERVERS: TEAM A

 TODAY'S FIELD LOCATION: SH91 BUCKEYE ZION PATHS
**WEATHER STATION OBSERVATIONS**

| Location            | CMC Wx Station                           | <u>CMC ZION</u>     | <u>FREMONT</u> |
|---------------------|--|---------------------|----------------|
| Elevation (ft)      | 10,025                                   |                     |                |
| Time                | <u>0630</u>                              | <u>0700</u>         | <u>0700</u>    |
| Sky                 | <u>OVC.</u>                              | <u>N/O</u>          | <u>N/O</u>     |
| Precip Type/Rate    | <u>NO</u>                                | <u>N/O</u>          | <u>N/O</u>     |
| T Max               | <u>5C</u>                                | <u>-2C</u>          | <u>1C</u>      |
| T Min               | <u>-10C</u>                              | <u>-9C</u>          | <u>-7C</u>     |
| T Pres              | <u>-9C</u>                               | <u>-7C</u>          | <u>-6C</u>     |
| Surf T              | <u>-13C</u>                              | <u>n/o</u>          | <u>n/o</u>     |
| T 20                | <u>-4C</u>                               | <u>n/o</u>          | <u>n/o</u>     |
| HST                 | <u>0</u>                                 | <u>N/O</u>          | <u>N/O</u>     |
| HSTW                | <u>N/O</u>                               | <u>N/O</u>          | <u>N/O</u>     |
| HS                  | <u>95cm</u>                              | <u>N/O</u>          | <u>149.9cm</u> |
| Foot Pen            | <u>0cm</u>                               | <u>n/o</u>          | <u>n/o</u>     |
| Surface Form / Size | <u>FCSE / 1mm</u>                        | <u>n/o</u>          | <u>n/o</u>     |
| Wind Speed / Dir    | <u>2 MPH / 115°</u>                      | <u>7 MPH / 320°</u> | <u>N/O</u>     |
| Blowing Snow        | <u>NONE</u>                              | <u>N/O</u>          | <u>N/O</u>     |
| Comments            | <u>SOLID SURFACE</u><br><u>PE-FREEZE</u> |                     |                |

**CMC ASP WEATHER FORECAST**

|                  | Today                | Tonight              |
|------------------|----------------------|----------------------|
| Temperature (F)  | <u>27°F</u>          | <u>15-20°F</u>       |
| Wind Speed (mph) | <u>12-24 MPH G35</u> | <u>5-15 MPH</u>      |
| Wind Direction   | <u>W</u>             | <u>W</u>             |
| Sky Cover        | <u>OVC</u>           | <u>Mostly Cloudy</u> |
| Snow (in)        | <u>0-1"</u>          | <u>0-1"</u>          |

**CAIC DANGER RATING**

|                | Today      | Tomorrow   |
|----------------|------------|------------|
| ABOVE TREELINE | <u>Low</u> | <u>Low</u> |
| NEAR TREELINE  | <u>Low</u> | <u>Low</u> |
| BELOW TREELINE | <u>Low</u> | <u>Low</u> |

**CRITICAL WEATHER FACTORS**

INCREASING CLOUDS - DECREASING VISIBILITY  
 MODERATE WINDS, GUSTING INTO 30'S WESTERLY  
 AIR TEMPS NEAR OR BELOW FREEZING  
 INTERMITTENT SNOW SHOWERS

**CRITICAL AVALANCHE FACTORS**

ALL OTHER ZONES IN STATE MOVED TO MODERATE WITH WET LOOSE BTL  
 NO AVALANCHES REPORTED IN SEARCH OVER A WEEK  
 ASPEN - WL BTL  
 VAIL - SUMMIT - WS - TRISCO / WL - BERTHOUD / WL - HIGHWAY 24 → BTL 9500 ↓

**CRITICAL SNOWPACK FACTORS**

ATL - FIRM / COLD SNOW SUPPORTIVE WIND AFFECTED  
 NTL - COOLER SNOW, VARIABLY SUPPORTIVE, DEEPER  
 BTL - SHALLOW, UNSUPPORTABLE, CRUST @ SURFACE → NO SLABS PRESENT

**RELEVANT OBSERVATIONS**

CT SC @ SCABS / WEAK LAYER INTERFACE  
 ECTX  
 COLD SNOW, HARD, DENSE SCABS, BASAL FACETS

**AVALANCHE PROBLEMS: ABOVE TREELINE**

| TYPE OF PROBLEM:    | SENSITIVITY: | DISTRIBUTION: | SIZE: |
|---------------------|--------------|---------------|-------|
| 1. PERSISTENT SCABS | UNLIKELY     | NE-E-SE       | DZ    |
| 2.                  |              |               |       |
| 3.                  |              |               |       |

**AVALANCHE PROBLEMS: NEAR TREELINE**

| TYPE OF PROBLEM:   | SENSITIVITY: | DISTRIBUTION: | SIZE: |
|--------------------|--------------|---------------|-------|
| 1. PERSISTENT SCAB | UNLIKELY     | NE-E-SE       | DZ    |
| 2.                 |              |               |       |
| 3.                 |              |               |       |

**AVALANCHE PROBLEMS: BELOW TREELINE**

| TYPE OF PROBLEM: | SENSITIVITY: | DISTRIBUTION: | SIZE: |
|------------------|--------------|---------------|-------|
| 1.               |              |               |       |
| 2.               |              |               |       |
| 3.               |              |               |       |

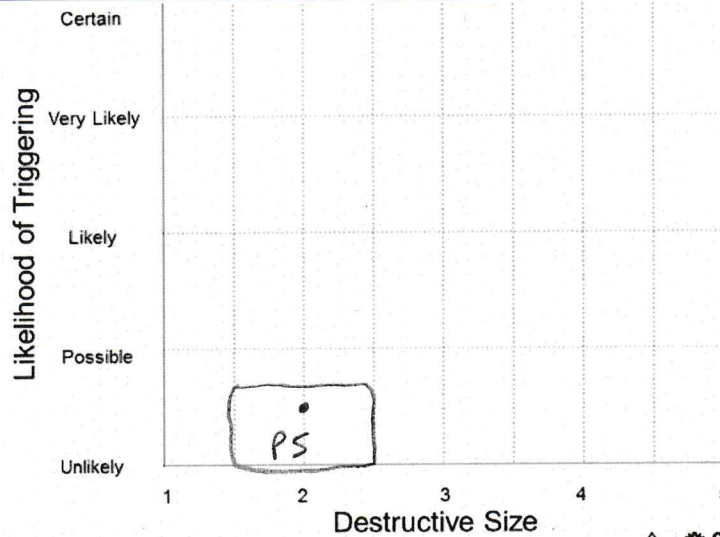
**ABOVE TREELINE**



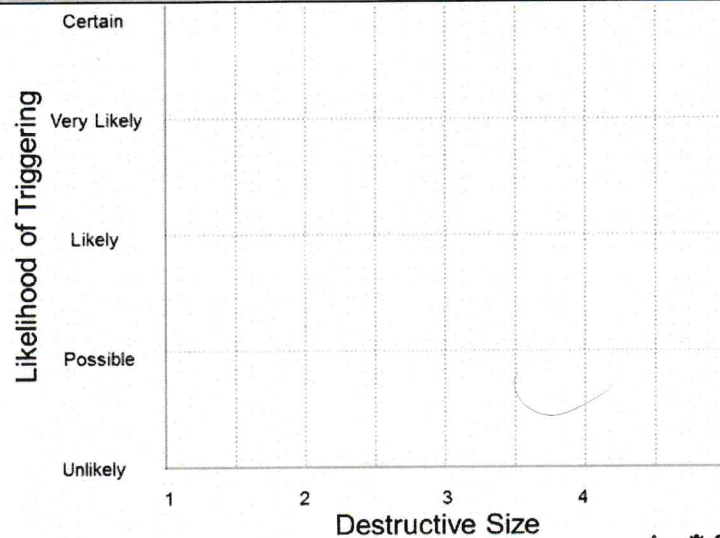
**Directions:**

- You need to place a point, a shape, and a label.
- Center shape at the assessment point
- Shape boundaries indicate uncertainty in your assessment
- Label each shape with problem type.

**NEAR TREELINE**



**BELOW TREELINE**



**TERRAIN TO AVOID (include mitigation strategies)**

START ZONES

CORNICES - SPECIFICALLY CLOSE TO EDGES → LIMITED VISIBILITY  
SHALLOW, ROCKY TERRAIN  
7300

**PLAN (Run List- Open/Closed)**

OPEN

HUT TRAIL  
N-NE-E GLADES (ZION TRAIL)  
PT. 11557 (RIDGE)  
ZION SUMMIT

CLOSED

TERRAIN TRAPS (Gully of Doom)  
START ZONES

**GOALS (What are we trying to accomplish? What information do we need? Sources of uncertainty?)**

INVESTIGATE S ZION PATHS

- PHOTO
- VIDEO
- ALPHA ANGLE
- PROFILE

WIND/WX STATION LOCATIONS

SAFE TRAVEL

**ANTICIPATED HAZARDS AND EMERGENCY PLAN (Discuss: conditions, group ability, evac route, communications, available resources)**

CMC CAP - INREACH, RADIO FR5 14.0, MCP/DUG/SLED, 911 LAKE SAR  
EVAC TO SH91/TH  
USE CAUTION ON FROZEN CAT TRACKS ON RUNOUT