

Weather



WEATHER SOURCES

FSS 1-800-WXBRIEF

ASOS / METARS – KSNT, KMYL, KLLJ, KSMN

AOPA/NOAA – Satellite, Radar, Surface, Winds, etc.

NIFC – TFR's

Noaa Automated Surface:METAR/ RAWS (Remote Automated WX Station)

BLM/USFS – ROMAN Real time Observat`ion and Monitoring and Analysis Network

Web Cam's: Johnson Cr. Flying B, Stanley, McCall, Bogus Basin,

Commercial Operators: McCall Air, Arnold Aviation

I have handouts, or email me and I'll send you the links.

GFS Model

Select Model Guidance, then GFS, then NAMER (for N. America), and finally 850mb, temp, MSLP, Precip. 850mb model shows precip for the previous 6 hours, (from the UTC time stamp at the top of the page), at ~ 5000 ft, the blue contour lines showing where freezing temps begin. The 850mb model shows the upper air ~ 18000 ft) shows where major systems will be.

<http://mag.ncep.noaa.gov/NCOMAGWEB/appcontroller>

NWS Area Forecast Discussion map page to validate your assessment of the GFS model,.

<http://www.wrh.noaa.gov/zoa/cwa.php>

Short-range tools

NCEP Short Range Forecast

<http://www.hpc.ncep.noaa.gov/discussions/pmdspd.html>

Lifted Index

Lifted Index maps will predict areas of unstable air.

<http://www.emc.ncep.noaa.gov/mmb/namsvrfcst/>

Idaho Forecast Tables <http://www.wrh.noaa.gov/boi/forecast.php>

NOAA Graphical Forecast

<http://www.weather.govmdl/synop/gridded/sectors/conusWeek.php?expandweek=ON#tabs>

Fog Sat for Western US (also shows cloud cover at METAR reporting stations)

<http://adds.aviationweather.gov/satellite/> Choose "Western US" under second bullet

NavMonster: <http://www.navmonster.com/> - Very friendly and easy to use. Presents WX along the route you designate, in plain English. Graphical Airmets/Sigmets/Prog Charts, NOTAM's, TFR's also airport directory's/ Goggle Earth maps, fuel, lodging.

Good visual tools, especially radar and satellite looping

NOAA ADDS Aviation Digital Data Service: <http://adds.aviationweather.noaa.gov/>

NOAA Std Briefing: http://aviationweather.gov/std_brief/ (a subset of ADDS)

<http://www.eldoradocountyweather.com/current/usradar.html> (Vivid Graphics)

<http://weather.msfc.nasa.gov/GOES/goeswestpacusir.html> (Infrared/Visible/Water Vapor)

<http://www.wrh.noaa.gov/zoa/mwmap3.php?map=usa> (Entire US Metar/TAF status)

Direct User Access Terminal (DUAT) service for pilots. – Two service providers, also offers flight planning software and on-line filing of flight plans. Provides immediate on-line access to FAA approved information

DUAT: <https://www.duat.com/>

DUATS: <http://www.duats.com/duats.cgi#weather>

AOPA: <http://www.aopa.org/members/wx/> Requires membership, links to DUAT(S) for filing flight plan.

Aviation WX links by Lester: <http://metsun1.met.sjsu.edu/~lester/faq.html> - Good FAQ's on weather

Scott Dennstaedt's Aviation Weather Workshop: <http://avwxworkshops.com/> -

Charlie's Wx Site <http://www.avweather.com/>



TFR-s NOTE: Flight service Briefer has the most current info – websites may not be up to date.

NIFC – TFR's: <http://airspace.nifc.gov/mapping/nifc/index.cfm> (Can print section of Sectional with TFR)

FAA – TFR: http://tfr.faa.gov/tfr_map_ims/html/index.html

Web Cam's:

ID State: Map with web cam links:

<http://511.idaho.gov/default.asp?display=cams&area=&textOnly=>

Johnson Cr: <http://www.ruralnetwork.net/%7Eyellowpinecm/>

Flying B: <http://www.flyingresorttranches.com/>

Stanley: <http://www.sawtoothcamera.com/>

McCall: <http://www.mccall.id.us/government/departments/airport/airport.html>

Idaho Web Cams: <http://www.northwestwebcams.com/idaho-web-cams.shtm> - Also

Oregon/Wash/Mont

Smiley Cr.: http://birice.vaisala.com/photos/03778B5F_06013F28_cam1.jpg

Bogus Basin: <http://www.bogusbasin.org/web-cameras/index.aspx> (good view of Mtn's North of BOI)

Brundage Mtn: <http://www.brundage.com/the-mountain/live-web-cams/>

Teton Mtn-Driggs: <http://www.tetoncam.com/>



(click on a site for latest
observations)

METAR

RAWS

SNOTEL

HANDAR

MISC

DOT

APRS/CWOP

COOP

AGRIMET HADS

Current Hazards

Warnings
Local Outlook
NOAAWatch

Current Conditions

Local
Regional
Satellite Imagery
Radar Imagery
Cameras
Reports/Summaries
Rivers & Lakes
AHPS
Drought Info - MT

Forecasts

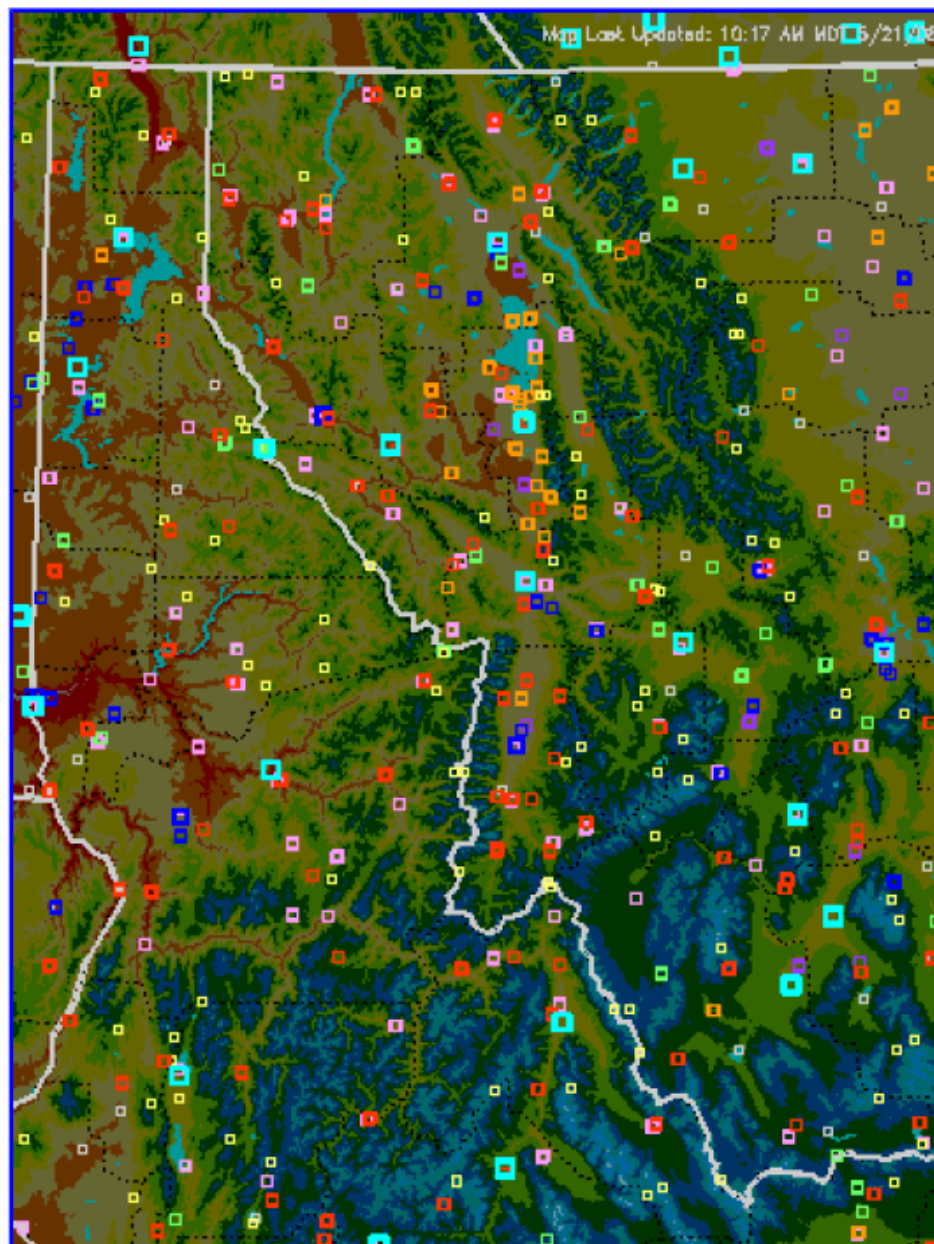
Activity Planner
Forecast Discussion
Current Montana
Text Bulletins
Montana and Idaho
Fire Weather
Hydrology
Avalanche
Aviation
Audio

Climate

Local
National
More...

Weather Safety

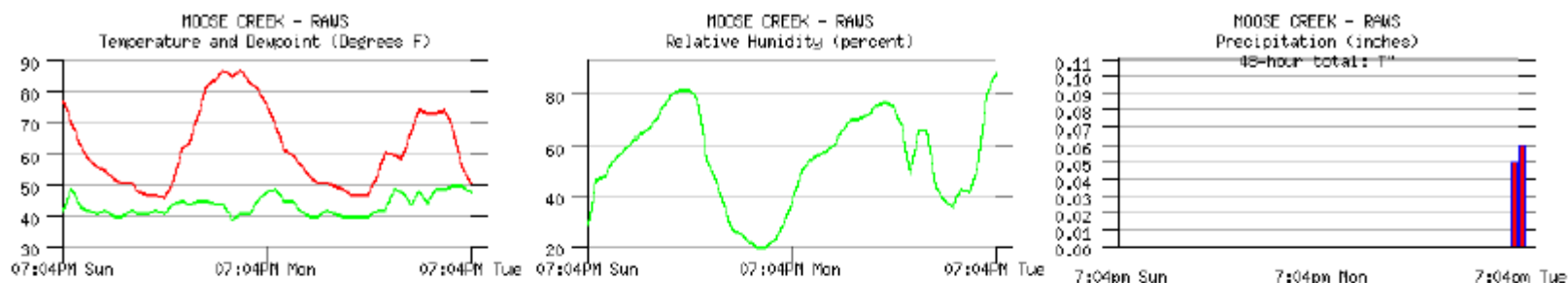
Preparedness
StormReady
Lightning



Moose Cr Raws Data

[Show 7 Days](#)

For Information Regarding the Accuracy of This Data: [MesoWest Disclaimer](#)



Weather Conditions for:

MOOSE CREEK, ID (MOO11)

Elev: 2460 ft; Latitude: 46.1283; Longitude: -114.9217

Current time: Tue, 20 May 20:01 pm (PDT)

Most Recent Observation: Tue, 20 May 7:04 pm (PDT)

Time (PDT)	Temp. (f)	Dew (f)	Relative Humidity (%)	Wind Direction	Wind Speed (mph)	Fuel Temp (f)	Solar Radiation (W/m²m)	Solar Pct of psbl	Precip Accumulated (inches)	Precip 1 hour (inches)	Precip 6 hour (inches)	Precip 24 hour (inches)	Quality Control
20 May 7:04 pm	51	48	89	NE	2G18	51	8	2%	10.65	0.06	0.11	0.11	OK
20 May 6:04 pm	56	50	80	NE	1G16	55	12	2%	10.59	0.05	0.05	0.05	OK
20 May 5:04 pm	68	50	52	S	5G18	66	257	28%	10.54				OK
20 May 4:04 pm	74	49	42	SSW	5G22	76	595	53%	10.54				OK
20 May 3:04 pm	73	49	43	S	7G16	76	468	37%	10.54				OK
20 May 2:04 pm	73	44	36	N	5G16	75	654	48%	10.54				OK
20 May 1:04 pm	74	48	39	N	G06	72	459	33%	10.54				OK
20 May 12:04 pm	67	44	44	N	1G06	70	419	31%	10.54				OK
20 May 11:04 am	59	48	66	SE	G05	60	109	9%	10.54				OK
20 May 10:04 am	60	49	66	NNE	1G08	60	115	11%	10.54				OK
20 May 9:04 am	61	42	49	N	3G05	66	269	31%	10.54				OK
20 May 8:04 am	53	42	67	N	G06	51	107	17%	10.54				OK
20 May 7:04 am	47	40	76	NNE	2G06	46	37	10%	10.54				OK
20 May 6:04 am	47	40	77	NNE	G05	44	14	14%	10.54				OK
20 May 5:04 am	47	40	76	NE	G04	44	0	--	10.54				OK

Johnson Creek Airport WebCam

Please note: This site is provided as a resource and for the viewing pleasure of our customers. It should not be used as the sole source of information when planning a flight into the Johnson Creek Airport.

Please verify the date and time stamp at the top of the photo.

Thank You RNS & MTE

Provided By Midvale Telephone Thu May 22 2008 09:00:20



NOTAMs - N/A at this time.

McCall Airport Webcam
(View from North ramp looking South/Southwest)



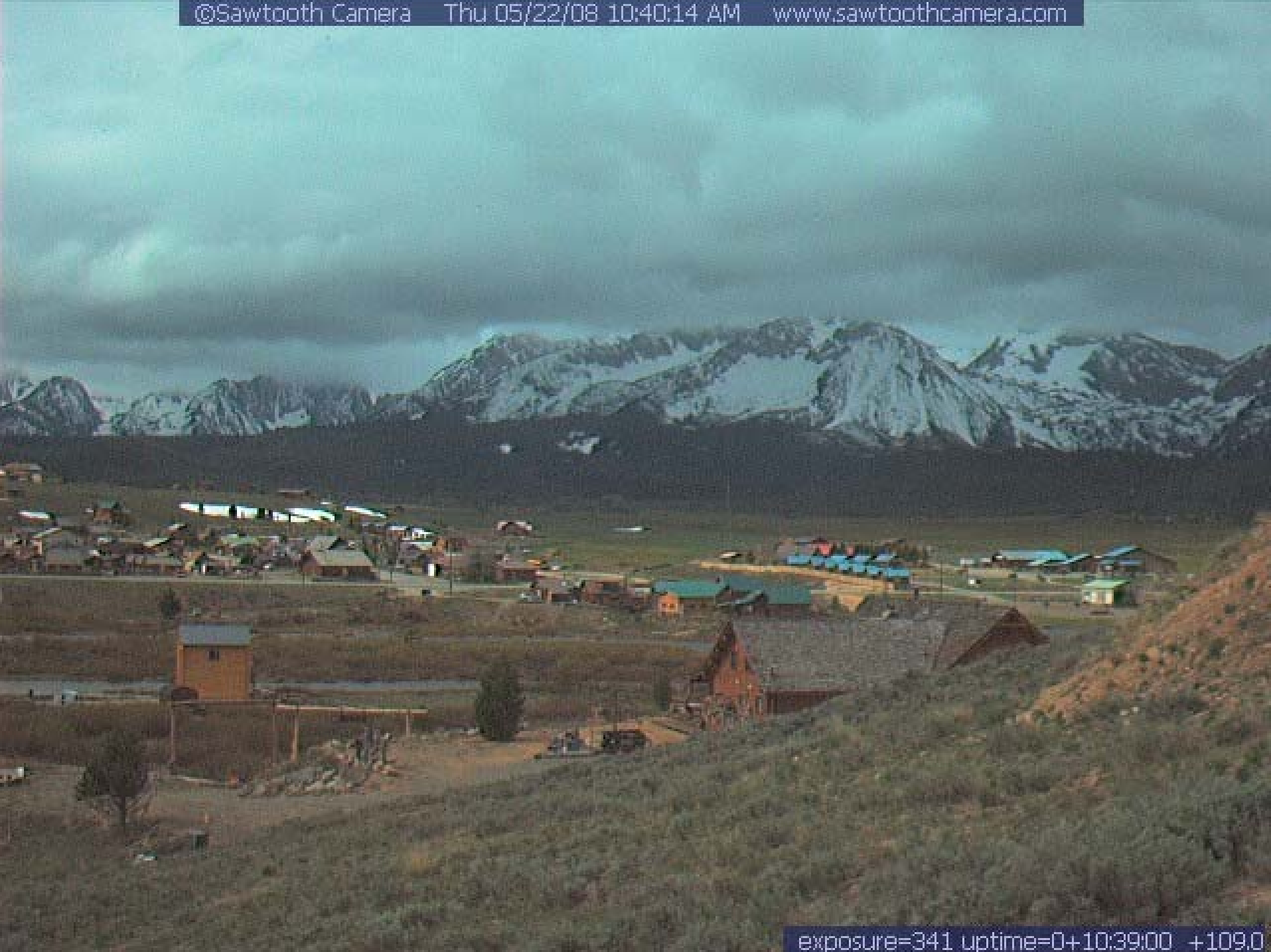
NWS McCall KMYL 05/22/08 15:07:00 Z

MAY.22.08 09:14:00AM









Mountain / Canyon Weather

Lift

- Orographic-Mechanical Lift as air flows over Mtns.
- Thermal Lift

Canyon Meteorology - Winds

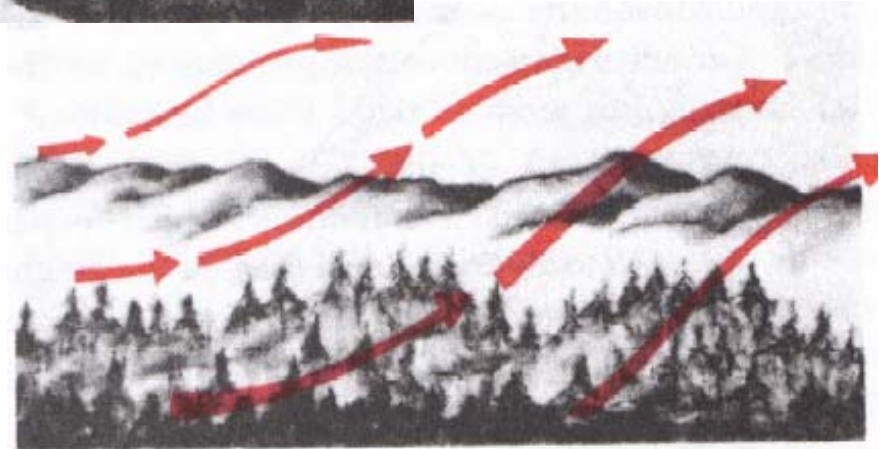
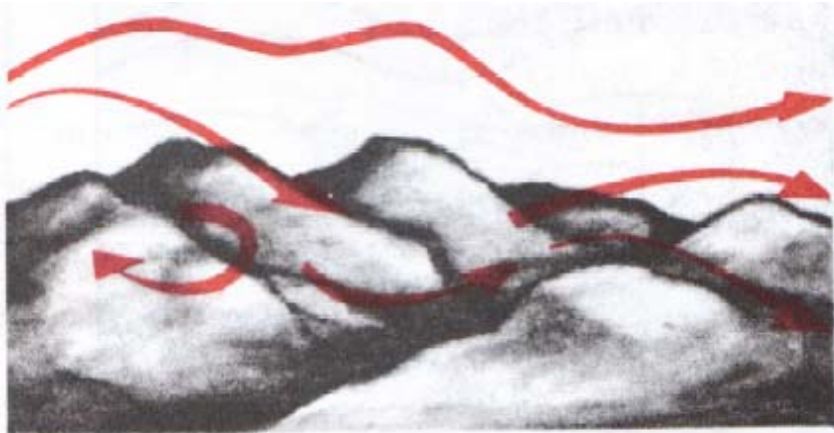
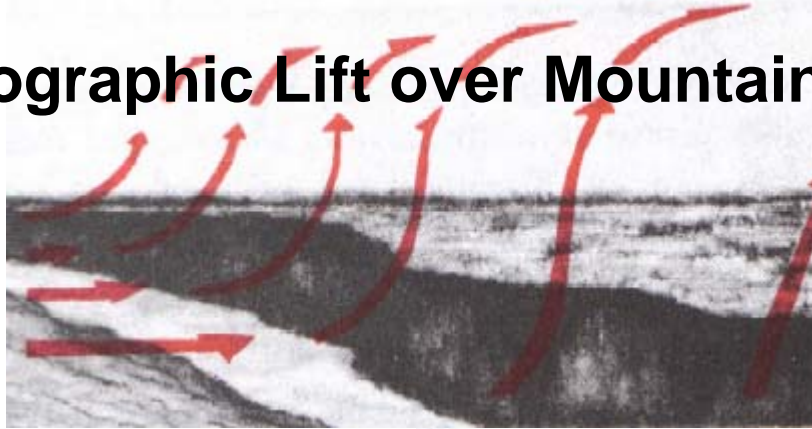
- Diurnal Effect - Flows Up in Day / Down in Evening (some exceptions)
- Convergence Effect – areas of confluence
- Venturi Effect
- Turbulence

Fog (morning canyon fog common after a storm)

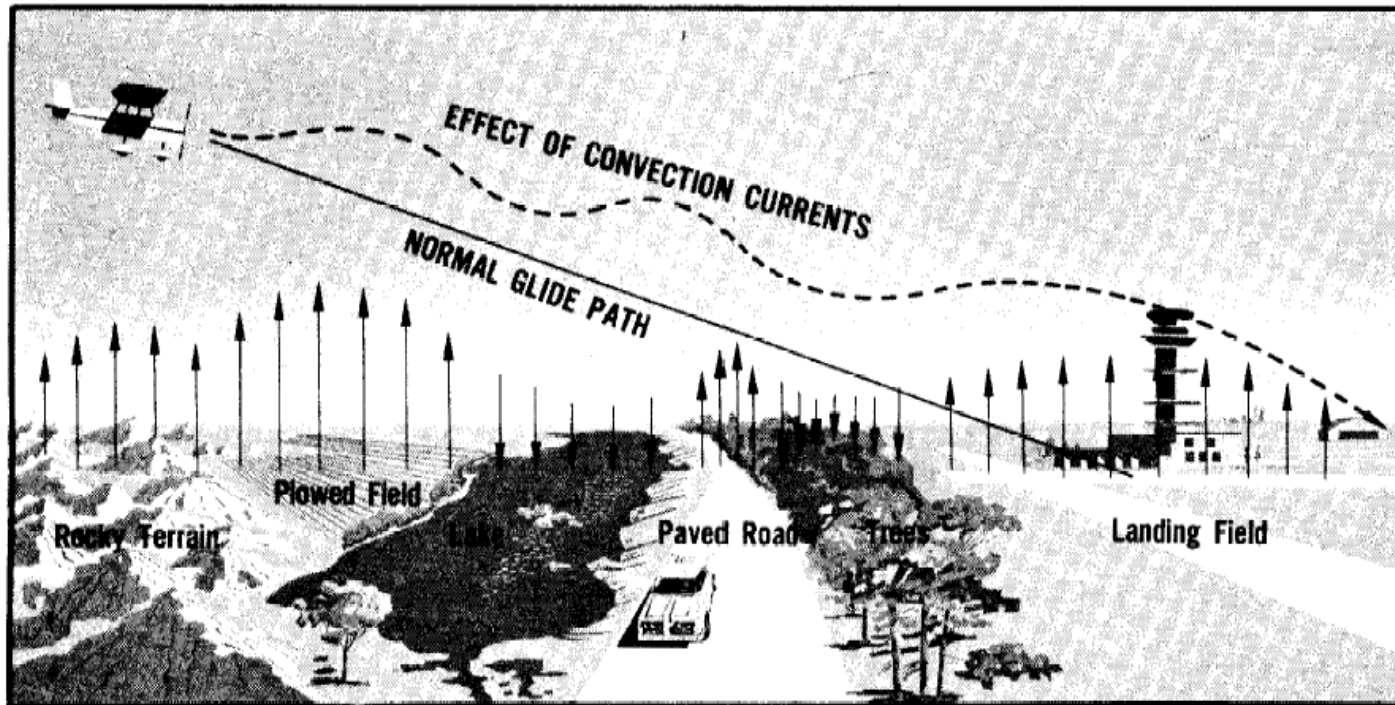
Smoke



Orographic Lift over Mountains/Canyons



Thermal Lift over varying terrain



Thermal and Orographic Collide

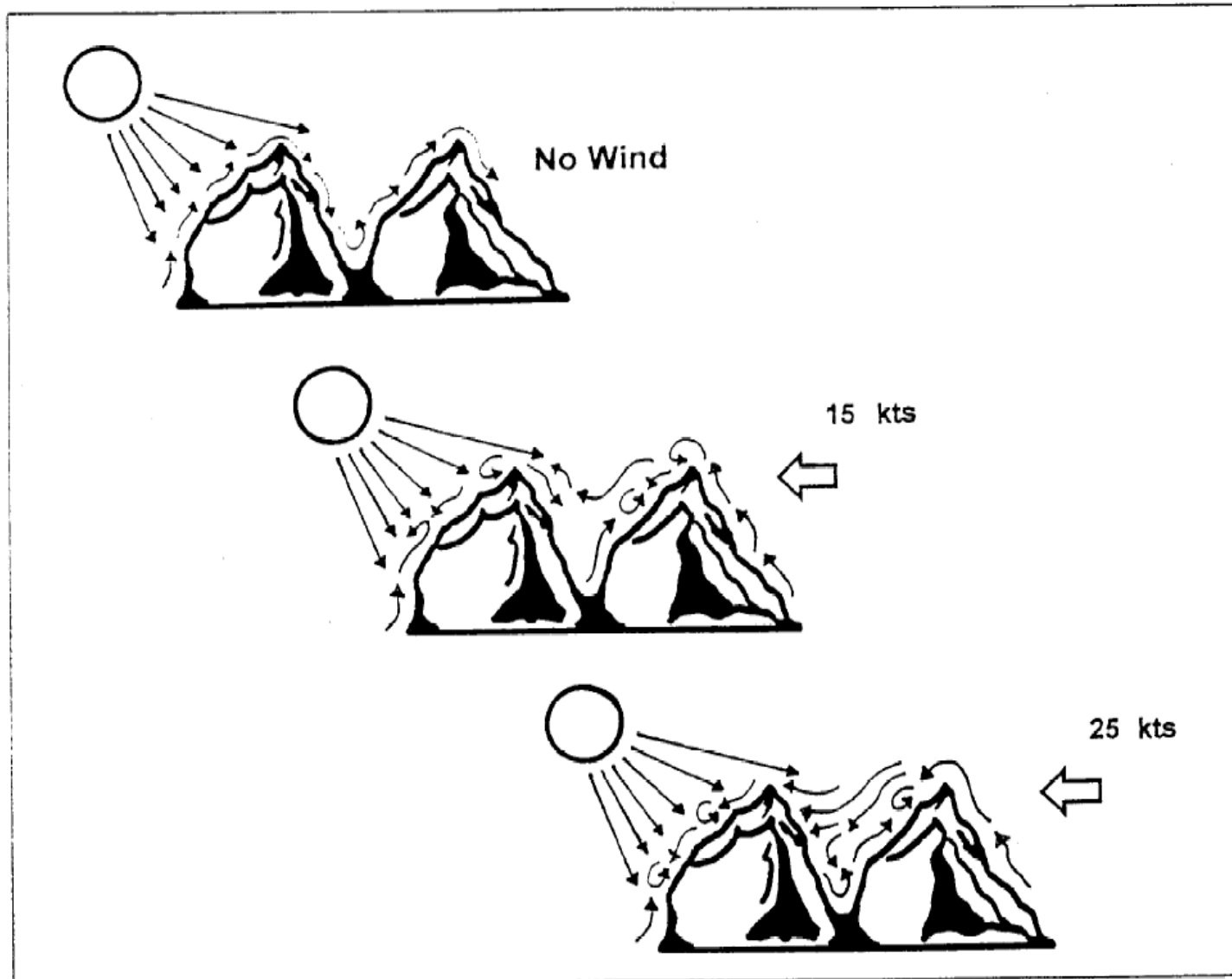
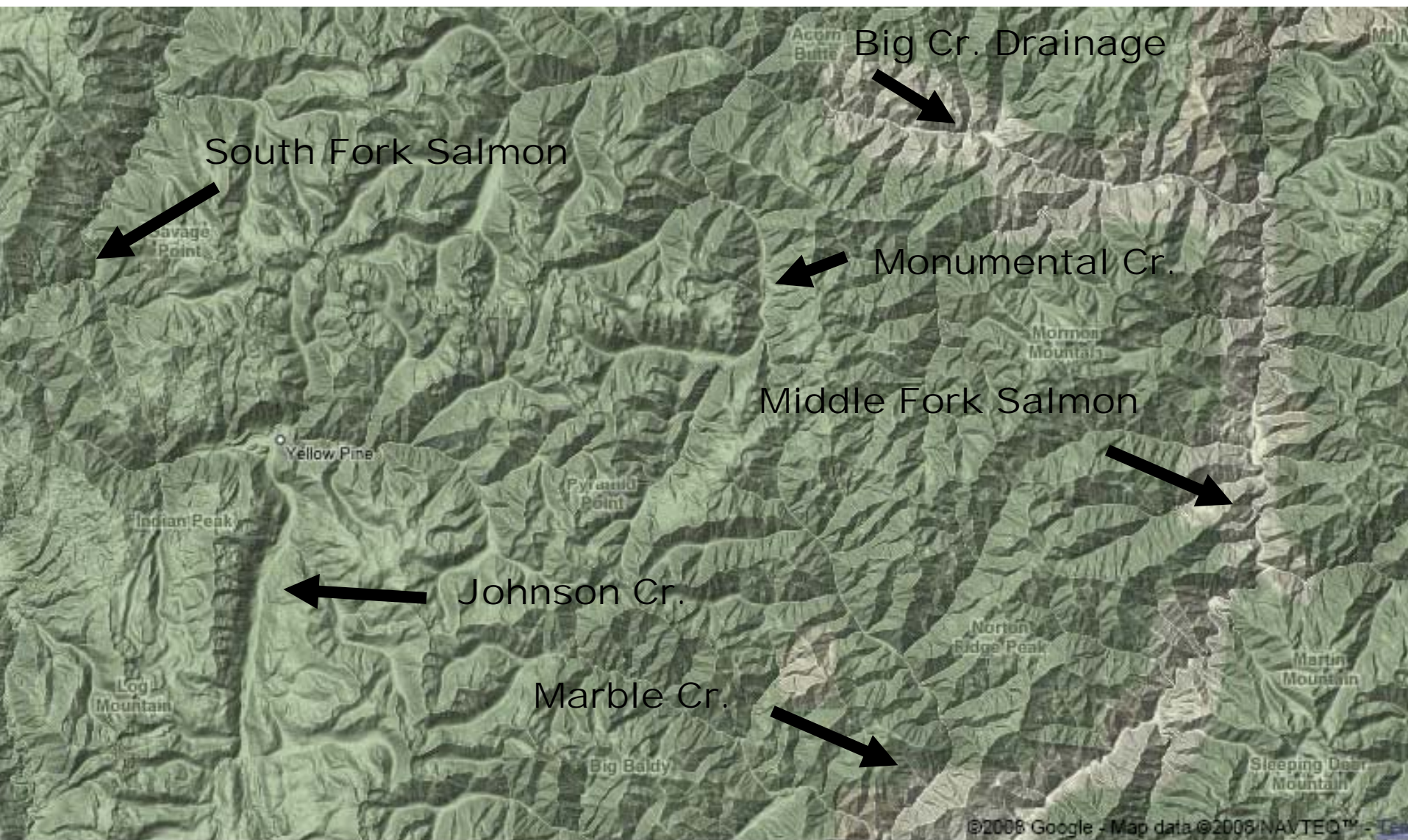


Figure 7: Effects of opposing thermal and orographic influence. When rising thermals created by solar heating encounter orographically produced downdrafts on the lee side of a ridge or in a canyon, expect to encounter a lot of turbulence. As the velocity of the wind increases, the turbulence increases.

Diurnal Effect, Venturi, and Convergence





Thermal, Orographic and Diurnal Effect effects combine and are different depending on direction of drainages
We have a mixture N/S – E/W and combinations of major drainages

Turbulence















Slow Down to at or below V_a

Remember it's less with less weight – Rule of Thumb $\frac{1}{2}$ of % less gross weight). If at 10% less of max. gross weight, reduce V_a 5%.

Where to Expect it –

- Lee side – down wind side of Ridges
- Convergence areas in canyons
- Venturi areas – wide to narrow canyon
- Over Area's of Thermal differences (shade/sun, trees/rock)
- Near Rotor, Lenticular, or Thunder Clouds
- Windy Conditions – Mountain wave over rugged mountains or canyons

Different ways of measuring wind

Beaufort number	Wind speed (mph)	Seaman's term		Effects at sea		Effects on land
0	Under 1	Calm		Sea like mirror.		Calm; smoke rises vertically.
1	1-3	Light air		Ripples with appearance of "fish scales"; no foam crests.		Smoke drift indicates wind direction; vanes do not move.
2	4-7	Light breeze		Small wavelets; crests of glassy appearance not breaking.		Wind felt on face; leaves rustle; vanes begin to move.
3	8-12	Gentle breeze		Large wavelets; crests begin to break; scattered whitecaps.		Leaves, small twigs in constant motion; light flags extended.
4	13-18	Moderate breeze		Small waves; becoming longer; numerous whitecaps.		Dust, leaves and loose paper raised up; small branches move.
5	19-24	Fresh breeze		Moderate waves; becoming longer; many whitecaps; some spray.		Small trees in leaf begin to sway.
6	25-31	Strong breeze		Larger waves forming; whitecaps everywhere; more spray.		Large branches of trees in motion; whistling heard in wires.

Morning Fog



Valley / Canyon Fog

Middle Fork Salmon





A photograph of a volcanic eruption. A large, billowing plume of white smoke and ash rises from a mountain range in the background. In the upper left corner, the nose and wing of a jet aircraft are visible, flying towards the right. The sky is a clear, bright blue.

Smoke







9 2 '03