

United States Department of Agriculture



Natural Resources Conservation Service
Washington Snow Survey Office
2021 East College Way, Suite 214
Mount Vernon, WA 98273-2373
360-428-7684, Ext. 141
fax 360-424-6172
web site www.wa.nrcs.usda.gov/snow

Date: December, 10, 2007

To All Washington Cooperative Snow Surveyors,

Attached is the 2007-08 Snow Survey Schedule for Washington. Please review the schedule and note on your calendar the dates you will need to do the surveys. **Please review the attached schedules and information carefully as there are a number of changes from previous years.**

Things to Remember

- Record the pillow and precipitation manometer levels on the snow note sheet. The manometer tapes are in feet, tenths of feet and hundredths of feet. They are not feet and inches. Double-check your readings.
- Snow Pillow and manometer measurements are to be taken at all SNOTEL sites as indicated on the schedule with an "S".
- If the snow pillow marking stakes are covered by snow and can't be seen, **DO NOT** try to estimate where to measure. Take manometer readings only and make comments on snow survey sheet.

The time to check your equipment is before the season begins. Be sure your snow sampling kit contains all the required parts. Review the "Snow Survey Sampling Guide" (Agriculture Handbook No. 169). When sampling, make sure that the tube contains a core which is representative of the entire snow profile. **Determine the snow density after each sample.** If the density is not within 5% of the other densities, resample that point.

Please use one field note sheet for each snow course measured and another field note sheet for each SNOTEL site even if there is no snow. Please be sure and calculate totals and averages for both water content and snow depth for each course/site. Double check your figures as these are what we enter in the water supply forecast procedures.

Please do the surveys within five days prior to the first of the month. The timing for the SNOTEL snow pillow and manometer readings is not as critical as for the snow courses. SNOTEL sites can be measured up to a week prior to or after the scheduled date.

Surveyors should:

- phone snow sample data in to the Washington Snow Survey office (360-428-7684, ext. 141) or to the Idaho Data Collection Office (208) 378-5740 for Idaho reporting sites. Leave a detailed message if no one answers.
- keep a reference copy in your office.
- mail original copy of each field note sheet to the appropriate Office (unless prior agreed to keep original).

The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural resources and environment.

An Equal Opportunity Provider and Employer

WASHINGTON:

USDA - NRCS
Washington Snow Survey Office
2021 E. College Way, Suite 214
Mount Vernon, WA 98273

ATTN.: Snow Survey Notes
(360) 428-7684, ext. 141
fax: (360) 424-6172

IDAHO:

USDA - NRCS
Data Collection Office
9173 W. Barnes Drive, Suite C
Boise, ID 83709-1574

ATTN.: Snow Survey Notes
(208) 378-5741
fax: (208) 378-5735

It is important that you keep a copy of the snow note in case the originals get lost in the mail or if you get a call for the information.

Good Luck on a successful snow survey season. If you have any questions, please call the appropriate Snow Survey Data Collection Office or Scott Pattee at (360) 428-7684, ext. 141.

SCOTT PATTEE
Water Supply Specialist

Attachments

cc: Larry Johnson, ETL, Spokane
Jon Lea, DCO, Portland
Phil Morrissey, DCO, Boise
Phil Pasteris, Hyd, NWCC, Portland
Harold Crose, AC, Ephrata
Rick Knoble, AC, Olympia
Ralph Christiansen, AC, Spokane

**WASHINGTON
COOPERATIVE SNOW SURVEY
AND
WATER SUPPLY FORECASTING PROGRAM**



**WATER YEAR 2008
SNOW SURVEY MEASUREMENT SCHEDULE**

RECOMMENDED DATES FOR SCHEDULING SNOW SURVEYS FOR WATER YEAR 2008

REPORT DATE	SUGGESTED MEASUREMENT DATES	DATA TO REACH SNOW SURVEY OFFICE ON OR BEFORE
JANUARY 1	December 26, 27, 28, 31, 2	2 January 2008
FEBRUARY 1	January 28, 29, 30, 31, 1	1 February 2008
MARCH 1	February 25, 26, 27, 28, 29	3 March 2008
MARCH 15	March 12, 13, 14	15 March 2008
APRIL 1	March 25, 26, 27, 28, 31	1 April 2008
MAY 1	April 28, 29, 30, 1, 2	2 May 2008
June 1	May 26, 27, 28, 29, 30,	2 June 2008

SCHEDULE OF SNOW SURVEYS 2007-08
 WESTERN WASHINGTON
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STATION	OBSERVER	JAN	FEB	MAR	APR	MAY	JUN
BEAVER PASS	SEATTLE CITY LIGHT	X	X	X	X	X	X
BEAVER PASS ST			S		S		
BEAVER CR. TRAIL	Ole Kjosnes	X	X	X	X	X	X
BROWN TOP	206-386-4544	X	X	X	X	X	X
DEVILS PARK	Keith Kingslien 360-305-1118	X	X	X	X	X	X
FREEZEOUT CR.		X	X	X	X	X	X
GRANITE CREEK		X	X	X	X	X	X
HARTS PASS SNOTEL			S		S		
HARTS PASS AERIAL		X	X	X	X	X	X
HOZOMEEN SNOTEL			S		S		
MEADOW CABINS		X	X	X	X	X	X
NEW LAKE HOZOMEEN		X	X	X	X	X	X
RAINY PASS SNOTEL			S		S		
RAINY PASS AERIAL		X	X	X	X	X	X
SWAMP CREEK SNTL			S		S		
THUNDER BASIN			X		X		
THUNDER BASIN ST			S		S		
DOCK BUTTE AM	PSP&L - BELLEVUE	A	A	A	A	A	
EASY PASS AM	Bob Barnes 425-462-3096	A	A	A	A	A	
JASPER PASS AM		A	A	A	A	A	
MARTEN LAKE AM		A	A	A	A	A	
MT. BLUM AM		A	A	A	A	A	
ROCKY CREEK AM		A	A	A	A	A	
SCHREIBERS AM		A	A	A	A	A	
S.F. THUNDER AM		A	A	A	A	A	
WATSON LAKES AM		A	A	A	A	A	
MARTIN RIDGE SNTL	NRCS MT. VERNON		S		S		
SCHREIBERS SC	Scott Pattee 360-428-7684	X	X	X	X	X	
EASY PASS SNOTEL?			X		X		
GRASS MOUNTAIN #2	COE-Seattle	X	X	X	X	X	
COUGAR MTN. SNOT	Larry Schick - 206-764-6898		S				
LESTER CREEK		X	X	X	X	X	
SAWMILL RIDGE	One mid-month survey	X	X	X	X	X	
SAWMILL RIDGE SNTL	will be scheduled per		S		S		
LYNN LAKE	season as determined	X	X	X	X	X	
TWIN CAMP	by COE need.	X	X	X	X	X	
LYNN LAKE SNTL			S		S		
WEST SMAY CREEK	City Of Tacoma		X	X	X	X	
	Doug Blanchard 253-502-8860						

Legend

- X = Manual Snow Course Measurement
- S = SNOTEL Manometer and Pillow Sample
- A = Aerial Marker Snow Depth Measurement

SCHEDULE OF SNOW SURVEYS 2007-08
 WESTERN WASHINGTON
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STATION	OBSERVER	JAN	FEB	MAR	APR	MAY
ALPINE MEADOWS	SEATTLE PUBLIC UTILITY		X	X	X	
ALPINE MEADOWS ST	Darian Davis - 206-386-4221		S	S	S	
CITY CABIN			X	X	X	
MEADOWS PASS ST			S	S	S	
MT. GARDNER			X	X	X	
MT. GARDNER SNTL			S	S	S	
TINKHUM CREEK ST			S	S	S	
REX RIVER SNOTEL			S	S	S	
SKOOKUM CREEK ST			S	S	S	
COX VALLEY	NPS Port Angeles		X	X	X	X
DEER PARK	Bill Baccus 360-565-3061		X	X	X	X
WATERHOLE SNOTEL		AS NEEDED				
GREEN LAKE SNTL	NRCS Portland					
BUMPING RIDGE	Jon Lea - 503-414-3267					
CORRAL PASS SNTL						
JUNE LAKE SNOTEL						
LONE PINE SNOTEL						
MORSE LAKE SNOTEL						
POTATO HILL SNTL						
SHEEP CANYON SNTL	(Surveyed as Needed)					
SPENCER MEADOWS S						
SPIRIT LAKE SNTL						
SURPRISE LAKES ST						
SWIFT CK. SNOTEL						
PIGTAIL PEAK ST						
WHITE PASS SNOTEL						
PARADISE SNOTEL	NPS Mt. Rainier		S		S	
	Steve Klump 360-569-2611					
MT. CRAG SNOTEL	NRCS Mt. Vernon					
DUNGENESS SNOTEL	Scott Pattee 360-428-7684					
WELLS CREEK SNTL						
ELBOW LAKE SNTL						
M.F. NOOKSACK SNTL	(SURVEYED AS NEEDED)					
BURNT MTN. SNOTEL						
HUCKLEBERRY CK. ST						
MOWICH SNOTEL						
STEVENS PASS ST						
POPE RIDGE SNOTEL						

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SCHEDULE OF SNOW SURVEYS 2007-08
CENTRAL WASHINGTON
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STATION	OBSERVER	JAN	FEB	MAR	APR	MAY
MUTTON CREEK #1	Okanogan Irr. Dist.&		X	X	X	
RUSTY CREEK	Okanogan NRCS		X	X	X	
SALMON MEADOWS ST	Stan Janowicz 509-422-2750		S			
TOATS COULEE	Whitestone Reclamation	X	X	X	X	
DUNCAN RIDGE	Okanogan NRCS	X	X	X	X	
IRENE'S CAMP	Jerry Barnes 509-322-1293	X	X	X	X	
COLD CREEK STRIP	Stan Janowicz 509-422-2750	X	X	X	X	
BONAUPART SOUTH	Whitestone Reclamation	X	X	X	X	
PETTIJOHN CREEK	Jerry Barnes 509-322-1293	X	X	X	X	
Lost LAKE	(1 ST YEAR NEW COURSES)	X	X	X	X	
BUTTERMILK	Methow Valley Group &	X	X	X	X	
LAMB BUTTE	Okanogan NRCS	X	X	X	X	
LOUP LOUP	Stan Janowicz 509-422-2750	X	X	X	X	
MAZAMA		X	X	X	X	
STARVATION MTN.		X	X	X	X	
THOMPSON RIDGE		X	X	X	X	
CLOUDY PASS AM	CHELAN PUD		A	A	A	
LITTLE MEADOWS AM	Scott Buehn - 509-661-4828		A	A	A	
LYMAN LAKE SNOTEL			S		S	
LYMAN LAKE SC					X	
LYMAN LAKE AM			A	A	A	
PARK CREEK RIDGE			S		S	
PARK CREEK RIDGE SC					X	
PARK CREEK RIDGE AM			A	A	A	
MINERS RIDGE ST			S		S	
KELLER RIDGE	Colville Tribe		X	X	X	
MT TOLMAN	Walt Hunner - 509-634-2428		X	X	X	
DISATEL PASS			X	X	X	
MOSES PEAK	(alias Moses Mtn #2)		X	X	X	
MOSES MTN. #2	(alias Moses Mtn. #1)		X	X	X	
MOSES MTN. SNOTEL			S			
SUMMIT TRAIL			X	X	X	
METEOR	(replaces Twin Lakes)		X	X	X	
GOLD MOUNTAIN			X	X	X	
BROWNS PASS			X	X	X	

X = Manual Snow Course Measurement
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SCHEDULE OF SNOW SURVEYS 2005-06
CENTRAL WASHINGTON
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STATION	OBSERVER	JAN	FEB	MAR	APR	MAY
BLEWETT PASS ST	NRCS-Wenatchee		S			
BLEWETT PASS NO 2	Justin Mount - 509-664-0265		X		X	
GROUSE CAMP ST		SURVEY AS NEEDED				
COLOCKUM PASS			X		X	
TROUGH SNOTEL		SURVEY AS NEEDED				
FROST MEADOWS			X	X	X	
STEMILT SLIDE			X	X	X	
UPPER WHEELER ST		SURVEY AS NEEDED				
MISSION RIDGE		X	X	X	X	
CHIWAUKUM G. S.		X	X	X	X	
MERRIT		X	X	X	X	
AHTANUM R. S.	NRCS Yakima	X	X	X	X	
	Corey Bonson 509-454-5746					
BUMPING LAKE NEW	Yakima BOR ext 219	X	X	X	X	X
FISH LAKE SNOTEL	Quentin Kruter 509-575-5848		S		S	
FISH LAKE SC	A December 1 survey is also	X	X	X	X	X
DOMMERIE FLAT	Made at all of the SC's	X	X	X	X	X
STAMPEDE PASS ST		S	S	S	S	S
TUNNEL AVENUE		X	X	X	X	X
SASSE RIDGE ST			S		S	
OLALLIE MEADOWS ST			S		S	
CAYUSE PASS (BI)			X		X	
CAYUSE PASS SNTL			S		S	
LOST HORSE SNOTEL	YAKIMA INDIAN NATION		S		X	
SATUS PASS	Rocko Clark 509-856-4946		X	X	X	
	Scott Ladd					

Legend

X = Manual Snow Course Measurement
S = SNOTEL Manometer and Pillow Sample
BI = Basin Index Point

SCHEDULE OF SNOW SURVEYS 2005-06
EASTERN WASHINGTON
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STATION	OBSERVER	JAN	FEB	MAR	APR	MAY
BAIRD #2	Colville NRCS		X	X	X	
BOYER MOUNTAIN	Dave Krefth - 509-685-0937		X	X	X	X
BUTTE CREEK #2 (BI)	Doug Rochester				X	
CHEWELAH #2			X	X	X	
GOAT CREEK #2			X	X	X	
STRANGER MTN (BI)					X	
SENTINEL BUTTE			S		S	
SUMMIT G.S. #2			X	X	X	
VULCAN MTN.			X	X	X	
VULCAN ROAD			X	X	X	
BUNCHGRASS MDWS				S		
RAGGED RIDGE	W/ Spokane County		X	X	X	X
THOMPSON CR.	Marianne 509-477-7443		X	X	X	X
ROUND TOP MTN.			X	X	X	X
QUARTZ PEAK SNTL				S		
SOUTH BALDY	Kalispel Tribe	X	X	X	X	
SKOOKUM LAKES	Michele Wingert 509-445-1147	X	X	X	X	
			X	X	X	
TOGO	Spokane Tribe	X	X	X	X	
CHAMOKANE #2	Brian Crossley 509-258-9217x20	X	X	X	X	
SPRUCE SPRINGS S	ASOTIN COUNTY		S		S	
SOURDOUGH GULCH	BUTCH AIKEN 509-243-2088		S		S	
INDIAN RIDGE	NRCS DAYTON FO	X	X	X	X	X
MILKSHAKES SNOTEL	GREG SCHLENZ 509-382-4773		S		S	
TOUCHET #2 SNOTEL				S		

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