

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



**WATER YEAR 2007
SNOW SURVEY MEASUREMENT SCHEDULE**

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: November 30, 2006

To All Washington Cooperative Snow Surveyors,

Attached is the 2006-07 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

RECOMMENDED DATES FOR SCHEDULING SNOW SURVEYS FOR WATER YEAR 2007

REPORT DATE	SUGGESTED MEASUREMENT DATES	DATA TO REACH SNOW SURVEY OFFICE ON OR BEFORE
JANUARY 1	December 26, 27, 28, 29	1 January 2006
FEBRUARY 1	January 25, 26, 29, 30, 31	1 February 2006
MARCH 1	February 22, 23, 26, 27, 28	1 March 2006
MARCH 15	March 12, 13, 14	15 March 2006
APRIL 1	March 26, 27, 28, 29, 30,	1 April 2006
MAY 1	April 24, 25, 26, 27, 30	1 May 2006
June 1	May 24, 25, 29, 30, 31	1 June 2006

SCHEDULE OF SNOW SURVEYS 2006-07
 WESTERN WASHINGTON
 page 1/5

STATION	OBSERVER	1/1	2/1	3/1	3/15	4/1	5/1	6/1
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		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 AM	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	X	
COUGAR MTN. SNOT	Larry Schick - 206-764-6898		S					
LESTER CREEK		X	X	X	X	X	X	
SAWMILL RIDGE	One mid-month survey	X	X	X	X	X	X	
SAWMILL RIDGE SNTL	will be scheduled per		S			S		
LYNN LAKE	season as determined	X	X	X	X	X	X	
TWIN CAMP	by COE need.	X	X	X	X	X	X	
West Smay	City Of Tacoma		X	X		X	X	
Snow Creek?	Doug Blanchard 253-502-8860		X	X		X	X	

Legend

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

SCHEDULE OF SNOW SURVEYS 2006-07
 WESTERN WASHINGTON
 page 2/5

STATION	OBSERVER	1/1	2/1	3/1	4/1	5/1
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 ST			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			X	X	X	X
HURRICANE	Bill Baccus 360-565-3061				X	
WATERHOLE SNOTEL			S		S	
CORRAL PASS SNTL	NRCS Portland					
JUNE LAKE SNOTEL	Jon Lea - 503-414-3267					
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	
CAYUSE PASS (BI)	Steve Klump 360-569-2611		X	X	X	
CAYUSE PASS SNTL	X3304, 'Uwe Nehring		S		S	
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						

Legend

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

SCHEDULE OF SNOW SURVEYS 2006-07
CENTRAL WASHINGTON
page 3/5

STATION	OBSERVER	1/1	2/1	3/1	4/1	5/1
MUTTON CREEK #1	Okanogan NRCS &		X	X	X	
RUSTY CREEK	Okanogan Irr. Dist.		X	X	X	
SALMON MEADOWS ST	Stan Janowicz 509-422-2750		S			
TOATS COULEE	Okanogan NRCS &	X	X	X	X	
DUNCAN RIDGE	Whitestone Reclamation	X	X	X	X	
IRENE'S CAMP	Stan Janowicz 509-422-2750	X	X	X	X	
COLD CREEK STRIP		X	X	X	X	
BUTTERMILK	Okanogan NRCS &	X	X	X	X	
LAMB BUTTE	Methow Valley Group	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	Janet Jaspers - 509-663-8121		A	A	A	
LYMAN LAKE SNOTEL			S		S	
LYMAN LAKE SC			X	X	X	
LYMAN LAKE AM			A	A	A	
PARK CREEK RIDGE			S		S	
PARK CREEK RIDGE SC			X	X	X	
MINERS RIDGE ST			S		S	
MISSION RIDGE	NRCS-Wenatchee	X	X	X	X	X
CHIWAUKUM G. S.	Justin Mount - 509-664-0265	X	X	X	X	X
MERRIT		X	X	X	X	X
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
S = SNOTEL Manometer and Pillow Sample
A = Aerial Marker Snow Depth Measurement

SCHEDULE OF SNOW SURVEYS 2005-06
CENTRAL WASHINGTON
page 4/5

STATION	OBSERVER	1/1	2/1	3/1	4/1	5/1
BLEWETT PASS ST	Ellensburg NRCS		S			
BLEWETT PASS NO 2	Allen Aronica 509-925-8585		X		X	
GROUSE CAMP ST			S			
COLOCKUM PASS			X		X	
TROUGH SNOTEL			S			
FROST MEADOWS			X	X	X	
SHELL ROCK			X	X	X	
GREEN LAKE SNOTEL			S			
STEMILT SLIDE			X	X	X	
UPPER WHEELER ST			S			
AHTANUM R. S.	NRCS Yakima 509-454-5746	X	X	X	X	
BUMPING LAKE NEW	Yakima BOR	X	X	X	X	X
FISH LAKE SNOTEL	Tony Holcomb - 509-575-5848		S		S	
FISH LAKE	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	
CORRAL PASS ST			S		S	
OLALLIE MEADOWS ST			S		S	
BUMPING RIDGE ST	Mel Moore 509-966-4708				S	
VAN EPPS PASS	Clarence Harrel 509-925-9283				X	
LOST HORSE SNOTEL	YAKIMA INDIAN NATION		S		S	
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
page 5/5

STATION	OBSERVER	1/1	2/1	3/1	4/1	5/1
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 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		X		X	
TOUCHET #2 SNOTEL			S			

Legend

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