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United States Oppartment of Agriculture Soll Censervation Service

Montana Agitouturat Experiment Station Bozeman., Montana

## MONTANA WATER SUPPLY OUTLOOK

Snowpack and Streamflow Forecasts as of April 1, 1982 UNITED STATES DEPARTMENT OF AGRICULTURE SOLL CONSERVATION SERVICE P.O. BOX 99 BOZEMAN, MONTANA 59715 OFFICIAL MUSINIS PRANTY OF FINAL USE, 300



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THE MONTAHA WATER SUPPLY OUTLOOK IS A PUBLICATION OF THE U.S. SOIL CONSERVATION SERVICE. THE SCS ADMINISTERS THE COOPERATIVE SHOW SURVEY PROGRAM IN COOPERATION WITH OTHER FEDERAL, STATE, AND PRIVATE AGENCIES, ORGINIZATIONS, AND INDIVIDUALS.

THE REPORT IS PREPARED BY SCS, SNOW SURVEY AND WATER SUPPLY FORECAST UNIT, P. O. BOX 98, BOZEMAN, MONTANA.

PHILLIP E. FARNES, SNOW SURVEY SUPERVISOR Donald J. Huffman, Hydrologist Denice Schilling, Statistical Assistant Glenk Herdina, Hydrologic Technician Richard Fike, Hydrologic Technician



## STATEWIDE OUTLOOK

## Snowfall above average

Snowfall during March was above average over most of Montana, but three areas still show below average snowpack. Recent storms, lack of melt at low elevations, and generally average or above average snow in the higher elevations have virtually assured a good water supply for all of Montana this spring and summer.

The Snowy Mountains near Lewistown, the northeastern portion of the Beartooth Mountains and the northern part of the Bighorn Mountains still have below average amounts of water stored in the snowpack, but the rest of the state has average or above average mountain snowpack.

Areas having above average snow conditions are the Yellowstone, Madison and Gallatin River headwaters in and near Yellowstone National Park, headwaters of the Big Hole, Bitterroot, Upper Clark Fork and Blackfoot Rivers and along the Continental Divide from Butte to Glacier National Park.

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# Adequate water supplies expected

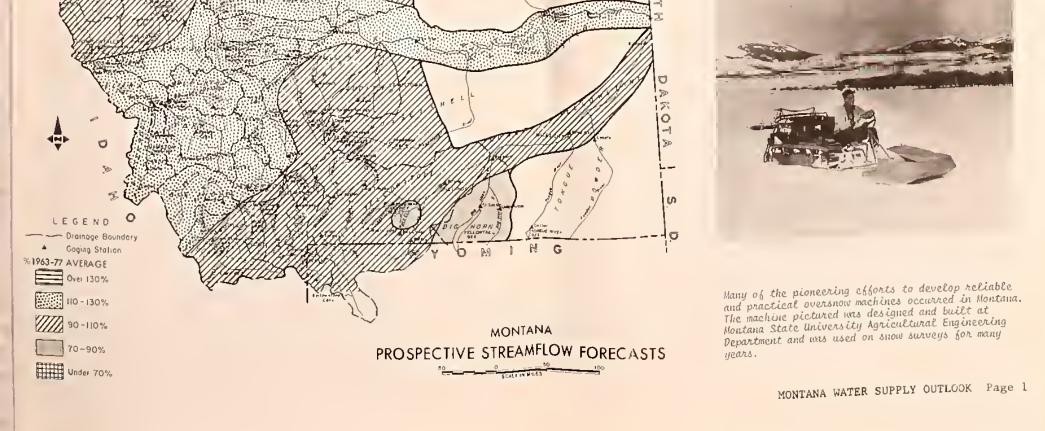
Good March snowfall and heavy snows in early April have assured nearly all of Montana an adequate water supply for this spring and summer. Some smaller drainages in central Montana and the lower Yellowstone River drainage are expected to have runoff a little below average.

Drainages that parallel the Continental Divide from the Big Hole River headwaters to the Marias River headwaters are generally expected to have runoff that is 10 to 30 percent above average.

All other areas are forecast to have near to a little above average streamflow.

Good high elevation snowpack is expected to hold streamflow up well into the summer.

C.A.N.A.D.A



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# Missouri River & Hudson Bay Drainages

STREAMFLOW FORECASTS	Tell	YEAH		AL COAD	THIS	VEAN	PAST	04033P
		FICAS:	THOULANS	VIL FELT	FORC	CASI	PROUTAND	ACRE FEET
BALIN STREAM INSTIT CORECALE POINT	Transford	L nel of	L+IL1+2	Lient	Dissiand Arts Firet	Promiple	C1111+++	ALVIER
	A+++ L++1	e coste	C+111+32	1				
PERIOD		APRIL -	SEPTEMB	.R		APRIL	- 11/17	
REO ROCK RIVER near Monida (1)	111	101	88.4	110	105	102	89.2	103
BEAVERHEAD RIVER near Gran1 (2)	183	107	133	171	160	108	131	148
BEAVERHEAD RIVER at Barraus (2)	230	102	100	226	202	103		196
RUBY RIVER near Alder	105	100		105	89.5	101		89.0
BIG HOLE RIVER near Melrose	970	122		792	900	123		730
BOULDER RIVER nuar Boulder	114	111		103	108	112		96.7
WILLOW CREEK near Harrison	22.7	106		21.5	20.5	107		19.2
MADISON RIVER near Grayling (3)	525	100	405	523	415	101	320	409
MADISON RIVER near McAllister (4)	922	103	716	892	743	105	602	706
GALLATIN RIVER mear Gateway	607	106	,	572	526	108		488
INFLOW MIDDLE CREEK RESERVOIR near Sozeman (5)	30.9	102		30.3	26.9	103		26.2
HYALITE CREEK near Bozeman (6)	47.9	101		47.4	41.7	102		41.0
GALLATIN RIVER at Logan	660	102	-	649	576	103		557
MISSOURI RIVER at Toston (7)	3010	113	2817	2,671	2606	112	2619	2,330
SHEEP CREEK near White Sulphur Springs	20.5	90	2017	22.8	17.8	90		19.8
SUN RIVER at Gibson Dam (8)	65B	113	498	580	604	114	457	529
BELT CREEK near Monarch	132	90		146	121	90		134
MISSOURI RIVER at Fort Benton (9)	4830	116		4,148	4210	116		3,640
TWO MEDICINE CREEK near Browning (10)	285	110		259	268	110		244
BADGER CREEK near Browning	146	110		133	128	110		116
MARIAS RIVER near Shelby	655	114	432	577	615	116	408	532
MISSOUR1 RIVER at Virgelle (11)	5640	118		4,793	5000	118		4,238
MISSOURI RIVER near Landusky (11)	6300	121		5,214	5500	120		4,586
NORTH FORK MUSSELSHELL RIVER near Delpine	6.4	100		6.4	5.5	100		5.5
SOUTH FORK MUSSELSHELL RIVER above Martinsdale	55.5	90		61.5	52.5	91		57.6
MISSOURI RIVER below Fort Peck Dam (11)	6000	122		4,929	5340	122		4,381
MILK RIVER at Eastern Crossing	258	103		250				,
MILK RIVER at Eastern Crossing (12)	90.8	109		83.0				
	14800	110		13,450	13460	110		12,239
SASKATCHEWAN RIVER BASIN								
SWIFTCURRENT CREEK at Sherburne (13)	140	106	121	132	123	107	109	115
ST. MARY'S RIVER near Babb (13)	530	106		498	450	106		426

(1) Adjunted for storage in Lima

- Reservoir. (2) Adjusted for storage in Lima and
- Clark Canyon Reservolra. (3) Adjusted for storage in Hebgen
- (4) Adjusted for storage in Hebgen
- Lake and Ennla Lake. (5) Sum of West Fork Hyslite Creek and East Fork Hyslite Creek above the
- Reservoir. (6) Adjusted for storage in Middle
- Creek Reservolr.
   (7) Adjusted lor storage in Lima, Reb-gen, Ennis & Clark Canyon Reservulra.

Snowfall in early April along with

good March snowfall has assured

most water users of an average or

above average water supply. Almost

all streams having headwaters along

the Continental Divide from the Big

Montana are forecast a little below

Hole River northward to the Marias

River are expected to have above

average runoff this spring and

summer. The streams in central

average, but if present storm

- (6) Adjusted for storage in Glbson Reservoir & diversions. (9) Adjusted for storage in Lims, Clark Canyon, Hebgen, Ennis, Gib-son, Pishkun, Willow Creek S Conyon Ferry Reservoirs. (10) Adjusted for storoge in Two Medicine Reservoir & diversions in Two Medicine Canal. (11) Adjusted for all upstream
- reservolrs. (12) Flow at Eastern Grossing minus St. Mary's Canal.

patterns continue, these areas may

Many forecasts increased 10 to 15

percent over those issued a month

vation snowpack will provide

considerable runoff early in the

season and the good high elevation

snow will hold streamflows up well

ago. The above average lower ele-

have near average snow cover before

(13) Adjusted for storage in Loke Sherburne

melt begins.

into the summer.

ALL FORECASTS PREPARED IN COOPERATION WITH THE NATIONAL WEATHER SERVICE



Above average snowfall

occurred along the Continental Divide

from Butte northward to the Glacier

Presently, all drainages have near

or above average amounts of water

show a higher percentage snowpack than do the higher elevation sites.

Valley soils generally have good

little below average moisture.

moisture due to recent precipitation and snowmelt, while mountain soils under the snowpack have near to a

\$

This is due to good snowfall and very little melt during March at elevations

stored in the snowpack. Low elevation snow courses generally

above the foothills.

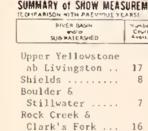
Park area.

recorded on Missouri

Snowfall during March was above average, and almost all drainages show an increase in snow cover percentages over last month. The greatest increase in snowpack



	Flam Preind				
STREAM & AREA	Selfor	Lete			
Beaverhead	Avg	Avg			
Ruby	Avg	Avg			
Big Hole	Exc	Exc			
Boulder	Exc	Exc			
Jefferson	Exc	Exc			
Madison	Avg	Avg			
Gallatin	Avg	Avg			
West-Side Missouri	Exc	Exc			
Smith-Belt	Avg	Avg			
Sun	Exc	Exc			
Teton	Exc	Exc			
Marias	Exc	Exc			
Judith	Avg	Fai			
Musselshell	Avg	Avg			
Milk	Avg	Avg			
Bear Paws	Avg	AVR			
St. Mary's	Exc	Exc			



Clark's Fork ... Yellowstone (ab Bighorn River) . Bighorn/Wyoming . Little Bighorn . Bighorn (Total) . Tongue ..... Powder ..... Yellowstone





Above average run-off forecast

MOUNTAIN SNOW WATER EQUIVALENT

MONTANA WATER SUPPLY OUTLOOK Page 2



Special tests on the accuracy of snow measurements are being conducted in California, Montana, British Columbia, and Ontario.

## SUMMARY of SHOW MEASUREMENTS

MPARISON WITH PREVIOUS YEARS										
RIVER BASIN	Number of Courses		AR'S SHOR PERCENT DE							
SUB WALERSHED	Avaraged	Levi Year	A+craje +							
eaverhead	22	158	112							
luby	12	149	108							
ig Hole	20	170	118							
loulder	14	140	120							
efferson	68	157	115							
ladison	27	182	114							
allatin	20	161	102							
lissouri Headwate	r 115	164	112							
lest-side Missour	i									
(Toston-Cacade)	9	132	114							
mltb	8	131	101							
lelt-Arrow	3	147	97							
lissouri Main-ste	m. 20	133	105							
eton & Sun	10	286	122							
larias	4	213	119							
larias-Teton-Sun	14	251	121							
udith	11	142	97							
usselshell	14	147	101							
uditb-Musselshel	1 25	145	99							
lilk	7	271	108							
lear Paws	6	307	88							
lissouri (Total)	174	163	110							
askatchewan										
t. Mary's	З	154	111							
low River in										
Alberta	15	105	99							

	-

SUMMARY of SHOW MEASUREMENTS

## Yellowstone River Drainage

STREAMFLOW FORECASTS	ſ	1615	PEAR Y	PLST P	CHE LLET	EH15-1		PASIA	1 2010
		1.046	LA51	THOUSAND		FONCO	1245	1+0U5A40 A	CREPTON .
RASIN STREAM AND/OF FORECAST POINT		Thousann As a Feet	Transmitt C* Jugereite	CINTER	****1[*	Discussion April Rent	Percent of Autoest	Lear er re-	1000
	Բţ⊾₀Ciն		APRIL	- SEPTE	IBER		APRIL -	JULY	
YELLOWSTONE RIVER at Corwin Springs YELLOWSTONE RIVER near Livingston BOULDER RIVER at Big Timber STILLWATER near Absarokee (1) CLARKS FORK RIVER near Belfry ROCK CREEK near Red Lodge INFLOW COONEY RESERVOIR near Boyd (2) YELLOWSTONE RIVER at Billings RIGHORN RIVER near St. Xavier (3) LITTLE BIGHORN RIVER near flardin YELLOWSTONE RIVER at Miles City (4) YELLOWSTONE RIVER near Sidney (5)		2560 408 625 700 130 57.0 4830 1830 157 6990	105 104 98 95 109 110 88 103 90 80 98 98	1703 123 3998 1331	2,102 2,471 416 660 644 118 64.5 4,682 2,034 196 7,142 7,806	1860 2120 373 520 618 100 46.0 4100 1675 140 6120 6670	106 104 98 94 110 109 88 103 90 80 98 98	1466 98.6 3628 1328	1,749 2,048 382 555 564 91.4 52.5 3,979 1,861 174 6,243 6,805

(i) Adjusted for storage in Mystle Lake.
(2) Adjusted for storage in Conney Reservoir.
(3) Adjusted for storage in Buffalo Bill, Boysen, Buil Lake, Place Date of Place and Place (4) Adjusted for storage to built only layer, object, built pare, Pilot Butte and Bigborn Reservoirs.
 (4) Adjusted for storage lo Bull Lake, Buffalo Bill, Boymen, Pilot Butte, Bigborn and Toogue River Reservoirs.
 (5) Adjusted for reservoirs shown in (4) and diversions into the Lover Yetlowstone Gmoal.

ALL FORECASTS PREPARED IN COOPERATION WITH THE NATIONAL WEATHER SERVICE

Snow samples are made at marked locations called

snow courses. The average of 10 samples, taken

## Water supply

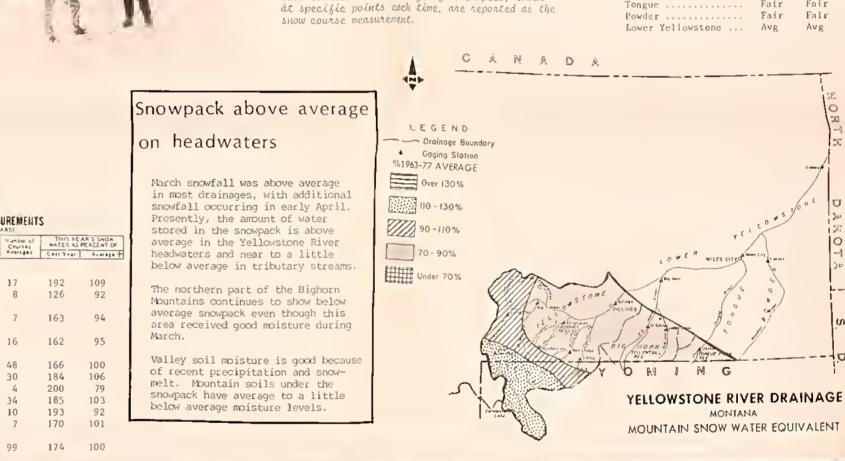
## outlook good

Storms in early April, along with snowpack measured on April 1 surveys, have virtually assured Yellowstone River water users an adequate supply this runoff season. Some minor shortages may be expected on smaller drainages in the Red Lodge Creek and the Little Bighorn River areas. However, if present storm patterns continue, even thes areas may have near average snowpad before melt begins.

Almost all forecasts increased from 5 to 10 percent over those issued last month. In general, the headwaters are expected to produce a little more water than average this spring and summer while downstream tributaries are forecast to have a little below average runoff

### WATER SUPPLY OUTLOOK Experiment of Page, Fin, Average, Con-collegel with Respect to David Supply Flyn P+1103

STREAM IN AREA	Spriv g Season	U, e + e S-E E E Mis
Vallaughang at		
Yellowstone at	Dura	E.c.s
Livingston	Exc	Exc
Shields	Avg	Avg
Boulder	Avg	Avg
Sweetgrass - Big		
Timber	Avg	Avg
Stillwater	Avg	Avg
Rock Creek	Avg	Avg
Clark's Fork	Avg	Λvg
Yellowstone above		
Bighorn	. Avg	Avg
Bighorn	. Avg	Ave
Little Bighorn	Fair	Fair
Tongue	. Fair	Fair
Powder	. Fair	Falr
Lower Yellowstone	. A∨B	Avg



## average monthly weather outlook

192

126

163

162

166

184

200

185

193

170

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16

48

30

34

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FOR APRIL 1982





New powder snow and wind combine to create drifts and cornices. MONTANA WATER SUPPLY OUTLOOK Page 3

## SNOW SURVEY DATA

SNOW April 1, 1982		(	THEFT			0+023
DRAINARL DASIN ME or SNI + COURSE		Darr	ONO BADT	+ milliontest		and Line Lines
N dy+1	flevere	al Surre	Harbert	Thearrt	Carl Tear	A . 81.7.17
	0083	3/25	74	25.5	15.5	22.5
ABUNDANCE LAKE	6480	3/26	54	17.0	6.7	14.4
AMBROSE	7350	3/29	56	14.2	6.6	14.4
ARCH FALLS	4820	3/31	85	8.2	1.5	
ASHLEY DIVIDE	4000	3/31	26	6.7	2.0	-
ASHLEY LAKE	6900	4/02	113	46. 3A	26.1	41_7
AADGER PASS	\$700	3/25	173	72.6	39.3	64.7
BALD EAGLE PEAK	7500	3/26	44	13.3	10.3	14.6
BALD RIDGE	5600	3/25	77	28.4	15.0	25.8
BANFIELD MOUNTAIN BANFTELD MOUNTAIN PILLDW	5600	3/25	SP	25.9	14.8	22.5
BAREE CREEK	\$\$00	3/31	121	49.5	28.0	50.3
BAREE MIDWAY	4600	3/30	99	39.6	16.1	38.8
BAREE IRAIL	3800	3/31	24	9.2		9.8
BARKER LAKES	8250	3/26	56	15.9	13.6	-
BARKER LAKES PILLOW	8250	4/01	SP	17.7	13-5	-
BASIN CREEK	7180	3/29	47	11.8	9.3	8.4
BASIN CREEK PILLOW	7180	4/01	S P	11.0	9.0	-
BASSDD PEAK	5150	4/01	30	10.2	3.1	11.5
BEAGLE SPRINGS	8850	3/27	46	12.5	9.8	-
BEAGLE SPRINGS PILLOW	8850	4/01	SP	12.7	8.9	-
BEAR BASIN	8150	3/31	76	25.4	16.2	23.3
BEAR PAW SKI AREA	5200	3/30	27	8.4	2.1	7.3
BEAVER LAKE	\$900	4/02	79	30.2	12.8	25.8
BERRY MEADOW	7300	3/29	39	10.6	5.8	8.4
BIG CREEK	6750	4/01	EST	50.0	33.8	47.6
BIG SKY	7700	4/01	69	51.5	11.0	17.3
BIG SKY MEADOW	6350	3/31	43	12.6	5.9	10.0
BIG SNOWY	7150	3/31	61	19.3	18.7	24.1
BLACK BEAR	7950	3/30	147	57.4	27.2	44.1
BLACK BEAR PILLOW	7950	3/30	S P	48.5	27.0	40.0
BLACK MOUNTAIN	7750	3/30	64	18.1	15.8	-
BLACK PINE	7100	3/30	59	18.6	7.7	155
BLACK PINE PILLOW	7100	3/30	Ş P	18.9	11_6	16.0
BLOODY DICK	7600	4/02	55	18.2	11.0	14.8
BLOODY DICK PILLOW	7600	4/02	SP	16.5	9.9	-
BLUE LAKE	5900	4/02	84	33.6A	15.6	0.85
BOTS SOIS	8000	3/29	5.2	6.8	3.6	9.1
BOULDER MOUNTAIN	7950	3/25	67	21.3	16.7	20.7
BOULDER MOUNIAIN PILLOW	7950	4/01	S P	25.3	18.7	-
BOX CANYON	6670	3/28	42	12.9	5.7	14-2
BOX CANYON PILLOW	6670	4/01	SP	12.7	4.2	-
BRANHAM LAKES	8850	3/29	95	35.6	26.4	31.9
BRIDGER BOWL	7250	4/01	78	28.2	19.7	30.2
BRIDGER BOWL PILLOW	7250	4/01	S P	26.2	55.8	29.5
BRISTOW CREEK	3900	3/25	32	13.0	• 2	12.6
BRUSH CREEK LIMBER	5000	3/29	34	11.0	3.9	10.6
BULL MOUNTAIN	6600	3/26	3.5	8.6	5.5	6.7
CABIN CREEK	5200	3129	5 6	7.4	.0	7.2
CALL ROAD	8050	3/27	48	13.1	9.0	13.1
CALVERT CREEK	6450	4/01	5.1	15.4	7.0	13.2
CALVERT CREEK PILLOW	64 50	4/01	\$ <del>P</del>	12.4	4.5	9_8
CAMP MISERY	6400	3/26	124	50.3	48.2	55.0
CAMP SENIA	7890	3/29	2.0	3.2	3.1	7.7
CARROT BASIN CARROT BASIN PILLOW	9000	4/05	141	50.6	23.5	39.5 1
CHARGE BASIN FICLOW	9000	4/05	S P	35.2	21.0	29.8
NOW April I, 1982			THIS Y ( 4.8		PASEA	ECU40

NOW April I, 1982			THIS YEAR		PAST	AE CU40
DRAINALE DASIN and as SNON COURSE		al Supara	We - Dram	eriri Commt	• rial Cont	et techtit
NAME	Elmain	al Surirr	10stber1	Herbert)	Lerr Vr.et	4,0111
CARTER CREEK	7400	3/26	27	6.9	4.0	6.6
CASHE CREEK PILLOW	7800	4/01	SP	13.2	6.5	-
CEDAR GROVE	4100	3/25	35	12.8	2.3	14.2
CHESSMAN RESERVOIR	6200	3/31	2.0	4.9	4.2	4.2
CHICKEN CREEK	4060	3/30	40	15.8	6.8	-
CLOVER MEADOW	0068	3/27	65	19.0	14.6	19.7
CLOVER MEADOW PILLOW	8600	4/01	\$ P	21.7	14.6	-
COLE CREEK	7850	3/25	70	16.0	14.0	19-6
COLE CREEK PILLOW	7850	3/25	SP	14.8	12.8	19_4
COLLEY CREEK	6300	3/26	38	10.6	4.4	9-8
COMBINATION	5600	3/30	30	8.8	2.4	6.5
COMBINATION PILLOW	5600	3/30	\$ P	9.3	5.2	6.6
COOKE STATION	8150	3/29	76	23-6	13.0	21.3
COPPER BOTIOM COPPER BOTIOM PILLOW	5200	4/01	E \$ T	14.0	1.2	11.9
COPPER CAMP	5200 6950	4/01	SP	16.0	7.4	14.8
COPPER CAMP PILLOW	6950	4/01	EST SP	40.0 43.1	19.6 24.0	34.2
COPPER CREEK	\$700	4/01	EST	50.0	4.4	16.1
COPPER LAKE CREEK	6100	4/01	EST	32.0	12.3	26.3
COPPER MOUNTAIN	7700	3/31	5 e	16.4	10.4	12.2
COTTONWOOD CREEK	6400	3/29	40	10.3	7.9	9.0
COYO1E HILL	4200	3/26	31	11.8	3.1	10.7
CREVICE MOUNTAIN	8400	3/31	57	14.9	4.7	11.5
CRYSIAL LAKE	6100	3/31	42	13.6	12.2	15.7
CRYSIAL LAKE PILLOW	6100	4/01	SP	12.3	11.6	-
DAD CREEK LAKE	8400	3/27	EST	17.5	12.0	15.8
OAISY PEAK	7600	3/25	50	14-2	6.8	12.0
DALY CREEK	\$780	3/28	5 2	16.4	7.0	13.1
DALY CREEK PILLOW	5780	4/01	SP	18.3	8.5	-
DARKHORSE LAKE	8600	3/28	81	31.6	50.0	30.1
DARKHORSE LAKE PILLOW	8600	4/01	SP	30.2	18.1	-
DAVIS CREEK	5400	3/25	77	30.2	19.2	27-1
DEADMAN CREEK DEADMAN CREEK PILLOW	6450	3/31	39	11.8	8.0	12.6
DESERT MOUNTAIN	6450	3/31	SP	11.5	5-6	11.1
DEVILS SLIDE	\$600 8100	3/25	51 87	17.4	12.2	17.3
DISCOVERY BASIN	8100	3/29 3/30	48	25.3 13.8	13.6	24-6
DIVIDE	7900	3/26	\$4	14.2	7.4	11.9
DIVIDE PILLOW	7900	3/26	SP	14.4	8.2	12.2
OIX HILL	6400	3/31	43	14.2	7.4	10.4
EAGLE CREEK	7000	3/27	47	15.6	8.8	16.1
EAST BOULDER S	9250	4/05	EST	33.5A	19.0	33.6
EAST FORK R.S.	\$400	3/25	24	8.6	0.0	6.7
EL DORADO MINE	7800	3/29	82	26.0	18.4	23.8
ELK HORN SPRINGS	7800	3/27	40	11.5	5.8	10.1
ÉLK PEAK	8000	3/30	56	18.4	15.8	18.7
EMERY CREEK	4350	3/25	47	17.7	11.2	17.1
EMERY CREEK PILLOW	4350	3/25	S P	18.1	12.0	-
FAITY CREEK	\$\$00	4/01	EST	28.0	16.3	1.25
FISH CREEK		7/20	54	14.4	9.8	9.8
FISHER CREEK	8000	3/29				
	9100	3/29	12 é	44.8	24.4	41.3
FISHER CREEK PILLOW	9100 9100	3/29 3/29	126 SP	44.8 40.2	24.4 23.8	41.3 38.7
FISHER CREEK PILLOW FI <b>VE-BULL</b>	9100 9100 5700	3/29 3/29 4/02	126 SP 31	44.8 40.2 9.9	24.4 23.8 .6	41.3 38.7 7.6
FISHER CREEK PILLOW	9100 9100	3/29 3/29	126 SP	44.8 40.2	24.4 23.8	41.3 38.7

April 1, 1982 SHOW Dire Usere Sho- Drush Arris Conte Ulabert Ulabert FODLHEN 8280 3/25 62 40 33 20 20.6 11.9 9.8 7.3 13.2 7.8 3/27 3/25 FOREST LAKE 6400 FOUR MILE FOURTH OF JULY 6900 6.4 34.50 3/29 .0 FRED BURR PASS 8000 6000 4620 33.0 21.5 19.0 27.7 7.4 17.2 4702 91 FREIGHT CREEK FRIDAY HILL FRDHNER MEADOWS 4/02 57 3/29 64 39 24.6 11.4 3/31 3/31 11.2 10.8 4.8 6480 FROHNER NEADOWS PILLOW 6480 S P 3 3 4250 GARVER CREEK 3/25 12.4 6.1 11.1 30.9 13.7 19.4 22.8 6.7 GARVER CREEK PILLOW 6.4 17.8 3.4 12.4 15.0 \$ P GIBBONS PASS 7100 3/25 84 7000 7200 GDAT MOUNTAIN 3/29 45 GOLD CREEK LAKE 3/29 65 GOLD STONE GRASSHOPPER 8100 7000 4300 4300 5150 4/02 6.8 3/30 2.5 4.2 9.7 8.1 GRAVE CREEK 3/25 18.6 50 GRAVE CREEK PILLOW \$ P 6.7 11.5 24.6 9.4 10.6 25.1 22.3 9.4 8.2 7.7 GRIFFIN CREEK DIVIDE 4/01 3/25 42 14.0 GRIZZLY PEAK 8640 64 14.1 6300 5030 GUNSIGHT LAKE 4/02 47.9 15.6 18.8 36.0 31.7 113 HAND CREEK 3/29 HAND CREEK PILLOW 5030 4/01 \$ P HAWKINS LAKE 64.50 3/25 91 HAWKINS LAKE PILLOW 22-3 31-6 9-4 13-8 8-2 23-8 7-7 12-5 22-2 34-4 18-3 -6450 3/25 SP HAYMAKER 80 50 3/26 54 14.4 HEART LAKE TRAIL 4800 3/29 59 24.2 HEBGEN DAM HELL ROARING DIVIDE 6550 5770 16.4 4/01 62 4/01 93 HERRIG JUNCTION 48 50 45 30 66 00 60 00 3/30 80 33.2 3/27 3/30 3/29 2.6 HOLBROOK 32 11.34 HOOD MEADOW 44 148 12.4 HOODOO BASIN 34.4 6000 \$900 30.6 51.9 28.5 49.9 10.4 20.3 6.6 9.4 HOODOO BASIN PILLOW 54.3 58.5 19.8 11.6 4/01 \$Ρ HOODOO CREEK 3159 139 62 38 INDEPENDENCE 7850 3/28 6450 7500 6.6 2.8 7.4 1.8 INTERGAARD. 3/30 JACK CREEK 3/26 2.5 8.6 15.7 10.0 JAHNKE LAKE TRAIL 7200 4/02 50 6450 3300 7500 JOHNSON PARK 3/25 31 KEELER CREEK 13.3 3/25 32 0 12.5 3.3 KINGS HILL 3/31 5.1 KISHENEHN KIWANIS CAMP 3890 3720 3/27 33 10.0 3/30 • 0 2•9 5•4 9•8 9•4 0 •0 17•1 KRAFT CREEK PILLOW LAKE CREEK LAKEVIEW CANYON 4750 4/01 SP 6100 6930 7400 7400 7480 3/27 9.5 13.2 13.4 35 3/31 3/31 61 LAKEVIEW RIDGE 57 LAKEVIEW RIDGE PILLOW 4/01 3/28 SΡ 13.9 11.4 LEMHI PASS 7.0 8.9 9.7 33 10.4 LEMHI RIOGE 8100 3/28 3/28 42 15-8 LEMHI RIDGE PILLOW 8100 \$ P 13.1 3/30 LICK CREEK 6860 12.2 11.6 19.7 9.1 6.8 9.6 11.8 3.2 46 SP 63 LICK CREEK PILLOW LITTLE PARK LOGAN CREEK LONE MOUNTAIN 6860 7400. 43002 8880 3/31, 31,29 2.8 98 4/01 59.0 14.2 24.6 \_\_\_\_\_ Amorth 8

i.	SNOW April I, 1982			THIS FEAR		PASTA	ECOAD
i	DRAINAST BASIN & E or SHON COURSE		Drit	hro-Droch	Marri Content	+1117 Cooli	miterrali
1	NAME	Eleveran	of Swirt	dation 1	Dubart	LANETPH	Averair
	LOST HORSE	5940	3/30	10.6	45.2	14.8	35.2
1	LOST SOUL	4800	3/25	57	20.4	10.5	16.8
	LOWER TWIN	7900	3/25	71	25.6	18.8	55.8
11.	LOWER TWIN PILLOW	7900	4/01	SP	22.2	18.8	< < • O
	LUBRECHI FLUME	4800	3/30	55	8.5		
	LUBRECHI FLUME PILLOW	4800	4/01	SP	9.3	.0	6.5
	LUBRECHT FORES1 # 3	\$450	3/31	34	10.8	0.6	6.4
11	LUBRECHI FOREST # 4	4650	3/31	11	3.8	5.6	7.8
1 i -	LUBRECHT FOREST # 6	4040	3/31	14	4.6	.0 .0	5.9
Li.	LUBRECHI HYORGPLOT	4200	3/30	20	7.8	.0	3.7
i.	MADISON PLAIEAU	77 50	3/30	90	29.1	14.6	23.9
i	MADISON PLATEAU PILLOW	7750	3/30	S P	29.2	17.2	
i.	MANY GLACIER	4960	3/30	64	24.5	11.2	24.8
j.	MANY GLACIER PILLOW	4960	3/30	\$ P	21.3	9.6	_
1	MARIAS PASS	5250	3/25	69	25.4		10.3
1	MAYNARO CREEK	6210	4/01	45	14.5	10.2	19.2
1	MAYNARD CREEK PILLOW	6210	4/01	SF	9,7	9.3	14.9
	MIDOLE MILL CREEK	7850	3/29	59		10.7	12.6
1	MILL CREEK	7500	3/26	51	T8.4 15.4	12.8	18.2
1	MINERAL CREEK	4000	3/24	57	22.4	7.4	
	MONUMENT PEAK	8800	3/28	90	30.9	10.8	19.2
!	MONUMENT PEAK PILLOW	0083	4/01	SP	25.0	18.0	29.1
1	MOULION RESERVOIR	6850	3/26	37	9.2	14+0	_
	MOUNT LOCKHART	6400	3/25	85	28.0	6.1 13.2	27.0
	MOUNT LOCKHARI PILLOW	6400	3/25	SP	27.6	14.5	23.9
	MUDO LAKE	7650	4/01	74	27.0	14.4	21.8
	NULE CREEK	8300	3/27	62	20.0	12.0	22.4
- i -	MULE CREEK PILLOW	8350	4/01	S P	18.8		_
- i -	NEVADA CREEK PILLOW	6480	4/01	S P	17.5	11.4	_
i	NEW WORLD	6700	4/02	57	16.0	11.4	
i	NEWION MOUNTAIN	\$600	3/29	103		12.3	17.3
i	NEZ PERCE CAMP	5650	3/27	55	42.0 20.8	28.2	1 4 7
1	NEZ PERCE CAMP PILLOW	5650	3/27	SP	21.0	8.8	16.3
1	NEZ PERCE CREEK	6500	3/31	34	10.3	9.6	
1	NEZ PERCE PASS	6570	3/27	62	24.1	4.9	7.7 19.0
1	NOISY BASIN	6040	3/26	116	44.1	8.8 47.3	48.3
	NOISY BASIN PILLOW	6040	4/01	SP	41.3	41.0	41_2
	NORTH FK. ELK CREEK	6250	3/30	5.8	18.8	6.8	13.9
1	NORTH FK. ELK CREEK PILLOW		3/30	SP	20.4		
	NORTH FORK JOCKO	6330	4/01	EST	52.0	8.4 32.0	14.4
	NORTH MEADOW	7500	3/25	38	9.2	5.9	9_4
		7400	3/31	39	9.7		
	NORTHEAST ENTRANCE NORTHEAST ENTRANCE PILLOW	7400	3/30	SP		4.0	10.4
		8500	3/26	65	10_5 18_4	5.9 12.4	17.5
1	NOICH BARK	7150	3/31	61	21.4		21_1
- i -	OPHIR PARK PALISADE CRÉEK	8250	4/01	105	39.2	16.6	33,1
i	PETERSON MEADOWS	7200	4/01	49	13.2	21.8	11.5
i	PETERSON MEADOWS PILLOW	7200	4/01	S P	12.8	10.1	12,0
i	PICKE1 PIN D	9450	4/05	EST	30.0A	15.0	28.5
1	PICKET PIN LOWER	6200	3/30	9	2.0		2.4
1	PICKET PIN MIODLE	8100	3/30	39	13.1	.0 4.5	13.3
1		8100	3/30	67	20.2	14.3	
1	PICKET PIN UPPER PICKFOOT CREEK	6650	3/25	40	11.8	7.0	23.1
1	PICKFOOT CREEK PILLOW	6650	4/01	4 U S P	12.8	6.5	_
	PICNIC GROUNDS	6500	3/30	25	6.8		4.9
1		5930	3/51	94	33.9	2.4	4 <b>.</b> Y
	PIKE CREEK PILLOW	5730	3/21	SP	34.7	18.2	_
	LIVE ANECH LICEON	0,00	2261	31	2441	TUAC	



19\_1 12.3 9\_3

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9.2 10.0 12.0

10.8 24.8 11.6 17.7 18.9

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10.7 12.4 53.6

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70-3 13-8 12-1

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SNOW S	SUR	VE	YE	)A1			SHOW April I, 1982			NIS YEAR	Y	PAST RCC	
* *	CONT	INUE	D * *				MAME WYOMTING	Electricat	Dill at Spring	Nen Orach In Hischerj	IV Dail		Aratraa
SNOW April I, 1982 URANAGE BASIN mdrei SNOA COURSE NAME	Elevaron	Data of Surrey	THIS YEAR Snam Depth (Inches)	Halar Content (Tethri)	PAST REG Relif Content Leet Year		BALD MOUNTAIN (WY) BALD MOUNTAIN PILLDW (WY) BURGESS R.S. (HY)	9380 9380 7880	3/30 3/30 3/29	78 SP 29	21.6 20.1 7.4	9.5 9.3 5.0	25.2 - 9.3
PIPESTONE PASS PLACER BASIN F	7200 8830	3/31 4/05	3 2 E S T	8.4 26.5A	3.9 15.0	6.2 23-4	BURGESS R.S. PILLOW (WY) CANYON PILLOW (WY) EAST ENTRANCE (WY) TIVE SPRINGS FALLS (WY)	7880 7940 6960	3/29 3/28 3/26	S P S P 4 4	8.0 22.5 15.5	- 5.0	- 9-6
PLACER BASIN PILLOW POORMAN CREEK PODRMAN CREEK PILLOW	8830 5100 5100	4/01 3/25 3/25	S P 100 S P	17.6 44.2 40.1	12_3 19_5 16_8	38.0 34.3	LAKE CAMP (WY) LUPINE CREEK (WY) NORRIS BASIN (WY)	7620 7780 7380	3/31 3/31 4/02	26 45 47	6.0 12.3 9.3	2.6 5.5 5.3	8.4 T0.1 11.1
PORCUPINÉ Porcupine pillow Potomageion park	6500 6500 7150	3/26 3/26 4/01	2 6 S P 6 9	8.0 6.6 18.8	5.4 4.8 8.2	8.8 15.9	PITCHSTONE PLATEAU (WY) STEAMBOAT POINT (WY) SYLVAN LAKE PILLOW (WY)	7500 8520 7560	3/28 3/29 3/29	4 6 1 7 9 2 6	13.5 74.2A 6.3	5.6 - 3.6	T1.8 56.7 09.4
RED MOUNTAIN RED TDP RDCK CREEK	6000 5260 5600	3/31 3/29 3/31	6 2 8 8 2 1	22.3 35.0 8.8	13.3 21.6 5.9	20-6	SYLVAN PASS (WY) THUMB DIVIDE (WY) TDGUDIEE PASS (WY)	8420 7100 7980	3/26 3/26 3/29	S P 5 2 7 6	26.7 17.5 25.0	7.4	- 14.5 22.1
ROCK CREEK MEADOWS ROCKER PEAK ROCKER PEAK PILLDW	8160 8000 8000	3/31 3/29 3/29	89 62 5 P	28.2 19.0 18.7	14.5 15.7 15.4	24.8 16.5 16.2	VOLVERINE (WY)	7650	3/30 4/01 3/30	110 SP 48	39.3 37.5 15,1	20.4 18.3 8.4	- 13.6
ROCKY BOY Rocky bdy pillow sacajawea	4700 4700 6550	3/30 3/30 4/01	15 SP 53	4.6 6.7 16.4	1.0 1.9 12.0	48 5.0 16.1	VOLVERINE PILLOW (WY) YDUNIS PEAK PILLOW (WY)	7650 8350	3/30 4/01	\$ P S P	15.3 25.8	8.T 10.0	23.6
SADDLÉ MOUNTAIN Saddle Mountain Pillow Sand Basin Lower	7940 7940 6480	3/25 3/25 4/01	92 \$ P 5 9	33.0 33.5 18.0	19.9 21.8 11.0	27.3	ALBERTA AKANINA (AL)	50.10					10
SENTINEL CREEK Shower falls Shower falls Pillow	8300 8100 8100	4/01 3/29 4/01	E S T 9 O S P	28.0 26.7 26.7	16.7 15.2 17.1	25.6 26.7 26.4	ALLISDN PASS (AL) BOW RIVER (AL) BOW RIVER SUMMIT (AL)	5810 6490 5080	4/01 4/01 3/31	81 72 36	26.1 22.7 9_2	17.0 17.6 9.6	19.6 19.9 8.3
SILVER RUN SILVER RUN PI <b>LLO</b> W SKALKAHO S <b>U</b> MMI1	6630 6630 7260	3/29 3/29 3/28	11 SP 92	3.3 3.5 33.4	2.0 4.2 17.2	5.8 - 28.4	CHATEAU LAWN (AL) CUTHEAD LAKE (AL)	6660 5710 7250	4/02 3/31 4/01	51 44 61	13.9 11.8 15.3	15.0 12.9 16.6	15.4 10.8 17.2
SKALKAHO SUMMIT PILLOW SKYLARK TRAIL PILLOW SLAG-A-MELT LAKE	7260 6200 8750	4/01 4/01 3/28	S P S P 8 6	34.4 44.1 32.9	18.0 21.2 22.2	28.7	NIGHWODD SUMMIT BUSH (AL) LEE CREEK Q (AL) L11ILE ELBOW SUMMIT (AL) MIDDLE DRYWOOD (AL)	7250 4890 7090	3/30 3/30 3/30	54 29 48	12.0 7.9 10.5	14.1 4.6 11.0	16.T <sup>7</sup> 7.2 12.2
SLIDE ROCK MOUNIAIN SMUGGLER MINE SOUIH FORK SHIELDS	7100 6960 8100	3/31 3/29 3/26	64 43 69	20.1 12.4 25.0	10.3 7.2 21.6	19.0 11.0 26.7	MIRROR LAKE (AL) MIST CREEK (AL) MOUNT SKOKI (AL)	5150 6590 5740	3/29 3/31 3/30	10 43 37	2.9 11.6 9.8	0.4 12.4 6.0	1.9 11.9 7.8
SOUTH FORK SHIELDS PILLOP SPOTED BEAR MOUNTAIN SPUR PARK		3/26 4/02 3/31	SP 53 74	17.5 19.4A 25.6	14.8 6.8 17.6	16.3 23.7	MUD LAKE (AL) NIGEL CREEK (AL)	6740 6200 6400	4/01 3/30 3/29	54 58 52	14.4 16.7 15.3	14.4 10.6 16.0	14.2 12.4 17.1
SPUR PARK PILLOW STAHL PEAK STAHL PEAK PILLOW	8100 6050 6050	3/31 3/25 3/25	S P 105 S P	24.2 40.0 35.7	18.6 33.3 28.7	23.7 42.4 34.7	PIPESTONE UPPER (AL) PIARMIGAN HUI (AL) SUNSHINE VILLAGE (AL)	5300 7150 7300	3/31 4/01 4/02	4 0 5 8 8 1	11_2 16_6 25.9	9.7 15.1 20.0	8.3 16.6 25.4
STEMPLE PASS STORM LAKE STRYKER BASIN	6600 7780 6180	3/29 4/01 3/30	5 2 5 9 9 7	14.2	6.6 10.2 27.2	11.5 15.1	SUNWAPTA FALLS (AL) IHREE ISLE LAKE (AL) VILKINSON SUMMIT BUSH (AL		3/29 3/30 4/01	31 81 31	7.6 25.7 6.8	7.7 22.0 6.0	8.2 - 9.1
STUARI MILL STUART MOUNIAIN SUCKER CREEK	6500 7400 3960	3/30 4/01 3/30	31 ES1 0	10.2	2.8 27.8 4	7.9 34.6 0.5	WILKINSON SUMMIT OPEN (AL	) 6490	4/01	29	6-5	le <sub>e</sub> le	7.7
SUGARLOAF TAYLOR ROAD TEN MILE LOWER	7350 4080 6600	3/29 3/30 3/31	4 6 0 3 4	13.1 _0 9.3	9.9 1.0 6.8	10.7 3.1 8.2	BEAVERFOOT (BC) FERNIE (BC)	6200 3510	3/28 3/30	37 27	9.5 9.6	8.2 .0	9.6 7.7
TEN MILE UNDLE TEN MILE UPPER TEPÉE CREEK	6800 8000 8000	3/31 3/31 3/27	55 58 66	14.6 16.8 19.6	12.9 14.8 11.4	13.2 15.4 16.7	FERNIE EAST (OC) FERNIE NE (OC) FIDELITY MOUNTAIN (OC)	4100 3510 6130	3/30 3/30 3/31	47 35 135	18.3 12.1A 52.8	9.2 5.1 40.9	15.1 10.0 43.6
TEPEE CREEK PILLOW -	8000	3/27	SP	15.7	10.4	13.9	FIELD (8C) FLOE LAKE (8C)	4 <b>200</b> 6860	3/30 3/28	29	9-1A 34-3	29.0	31_7
	8850	3/29	48	13.0	<u> </u>								
SNOW April 1, 1982			THIS YEAR	R	PAST R	RECORD	SHOW April 1, 1982		Dali	THIS LEA		Burne Car	ACCORD
		J/29		A	PAST R		SHOW April 1, 1982		0atr 11 Suter1 3/31	THIS LEA	0 114 Contro (Inchi) 32.2	1 Arter Cor Latt Yer 26.2	27.6
SNOW April 1, 1982 DRADNAGE DASIN AND TO SHOW COURSE NAME TRAIL CREEK TRUMAN CREEK TV MOUNTAIN	Elevation	Date al Sutrei	THIS YEA	R Matar Contro (Inthia)	PAST 8 Water Cont Late Yew	RECORD Arerage	SHOW April 1, 1982 DRAINAGE DASH HITOR SHOP COURSE NAME	Eleterion		Turs rea Sher Dra (Inches) 8 2 6 6 9 8 5 1	32.2 21.4 34.6 15.3	26.2 15.1 27.6 13.2	27.6 19.2 32.0 14.9
SNOW April 1, 1982 ORANAGE DASIN motion Show COURSE NAME TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK PILLOW IWENIY-ONE MILE	Elevelon 7090 4060 6800	0ate al Sutrat 3/28 3/31 4/01	THIS YEAL Show Drol (Inches) 3 S 1 6 E S T	A Matar Contr (Inthia) 10.42 5.0 23.0	PAST R Wetter Cont Lent Year 7.0 0 13.1 6.2 9.5 10.0	PALIZACIUM Areroso 9.5 20-7	SHOW April I, 1982 DRAINAGE DASH mith SHOP COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) GRAY CREEK UPPER (BC)	Elayarlor 4100 5080 6260 5410 3800 4490	3/31 3/31 3/31	THIS IEA Snor Dra (Inchas) 8 2 6 6 9 8	a niter Control (Inchi)) 32-2 21-4 34-6 15-3 8-4A 9-6 13-9	26.2 15.1 27.6 13.2 4.7 4.6 9.5	27.6 19.2 32.0 14.9 6.8 7.3 12.5
SHOW April 1, 1982 ORADNAGE DASIN Andron Show COURSE NAME TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK TWENTY-ONE MILE TWIN CREEKS TWIN LAKES TWIN LAKES PILLOW	2000 2000 2000 2000 2000 2000 2000 200	0412 41 Sulv e1 3 / 28 3 / 31 4 / 01 3 / 30 4 / 01 3 / 30 4 / 02 3 / 30 3 / 30	THIS YEA Show Orol (Inchas) 3 S 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P	A Watar Contr- (Inthia) 10-2 5-0 23-0 29-2 25-2 18-4	PASTR Water Cont Lan Yew 7.0 0 13.1 6.2 9.5 10.0	P. 5 2 0 - 7 2 3 - 4 2 0 - 7 1 9 - 6	SHOW April 1, 1982 DRAINAGE DASM MITOR SYON COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) GRAY CREEK UPPER (BC) KICKING HORSE (BC) KIMBERLEY (BC) KIMBERLEY LOWER VOR (BC)	Elayarlor 4100 5080 6260 5410 3800 4490	3/31 3/31 3/31 3/30 3/30 3/31	THIS FEA	all         all         control           32.2         21.4         34.6           15.3         8.4A         9.6           13.9         21.1         15.0           30.7         30.7         30.7	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8
SNOW April 1, 1982 DRADNAGE DASIN AND TO SHOW COURSE NAME TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK TWENTY-ONE MILE TWIN CREEKS TWIN LAKES TWIN DAKES TWIN DAKES TWIN DAKES TWIN CAKES TWIN DAKES TWIN DAKES T	Elevelon 7090 4060 6800 5600 5600 7150 3580 6510 6510 6510 6510 6500 5600 5600	0ate al Surret 3/28 3/31 4/01 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/25 3/25	THIS YEAD Soor Orol (Inchas) 3 5 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 E S I 4 7 S P	n h watar Contr ((nutria) 2 3.0 2 9.2 2 5.2 1 8.4 1 3.0 2 9.2 2 5.2 1 8.4 1 3.0 4 3 5 3.1 4 0.0 1 5.2 1 5.2	PAST R Weitr Cont Lati Yew 7.0 0 13.1 6.2 9.5 10.0 23.3 24.7 23.4 2.0 6.0	SECOND Prof Unochili A-crosso 9.5 - 20.7 23.4 20.7 19.6 12.1 44.9 43.5	SHOW April 1, 1982 DRAINAGE DASM INTOF SYON COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) GRAY CREEK UPPER (BC) KICKING HORSE (BC) KIMBERLEY (BC) KIMBERLEY LOWER VOR (BC) KIMBERLEY MIDDLE VOR (BC) KIMBERLEY UPPER VOR (BC)	Eleveron 4100 5080 6260 5470 3800 4490 5510 7020 4990	3/31 3/31 3/30 3/30 3/31 3/30 3/31 3/30 3/29	This LEA Sher Dro (Inches) (In	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.4 14.2 28.8 50.3 21.8 15.7
SHOW April 1, 1982 ORADNAGE GASIN Andron SNOW COURSE RAAGE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK TWIN CREEKS TWIN LAKES TWIN CREEKS TWIN LAKES TWIN LAKES TWIN LAKES TWIN CREEKS TWIN CREEKS	Elevelon           7090           4060           6800           5600           5600           5600           5610           6510           6510           6500           5600           6500           5600           5450	Date at Subret 3/28 3/31 4/01 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/25 3/25	THIS YEA Show Drol (Inchas) 3 S 1 G E S T 7 O S P 6 4 3 3 1 2 9 S P E S I 4 7 S P E S I 4 7 S P 9 8	************************************	PAST R Water Cent U 411 Yew 7.0 0 13.1 6.2 9.5 10.0 23.3 24.7 23.4 2.0 6.0 16.6 17.6 25.8	VecCOND           Prof. 1 / I           A-cross           9.5           20.7           23.4           20.7           23.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           3.5           3.8.6           11.1           10.4           -           -           -           -           -           -           -           -           -           -           -           -           -           -           - <td>SHOW April I, 1982 DRAINAGE DASM INTOF SYOP COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) GRAY CREEK UPPER (BC) KINBERLEY (BC) KIMBERLEY LOWER VOR (BC) KIMBERLEY UPPER VOR (BC) KIMBERLEY UPPER VOR (BC) MARBLE CANYON (BC) MORRISSEY RIDGE (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ASSINIBOINE (BC) SINCLAIR PASS (BC) SULLIVAN MINE (BC)</td> <td>Élaçarlon 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310</td> <td>3/31 3/31 3/30 3/30 3/31 3/31 3/31 3/31</td> <td>This i EA Sear Deo (Inchair) (Inchair) (Inchair) (Inchair) 98 51 24 32 50 68 50 84 141 71</td> <td>32.2 21.4 34.6 15.3 8.4A 9.6 13.9 21.1 15.0 30.7 53.9 22.5</td> <td>26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6</td> <td>27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.4 14.2 28.8 50.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7</td>	SHOW April I, 1982 DRAINAGE DASM INTOF SYOP COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) GRAY CREEK UPPER (BC) KINBERLEY (BC) KIMBERLEY LOWER VOR (BC) KIMBERLEY UPPER VOR (BC) KIMBERLEY UPPER VOR (BC) MARBLE CANYON (BC) MORRISSEY RIDGE (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ASSINIBOINE (BC) SINCLAIR PASS (BC) SULLIVAN MINE (BC)	Élaçarlon 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310	3/31 3/31 3/30 3/30 3/31 3/31 3/31 3/31	This i EA Sear Deo (Inchair) (Inchair) (Inchair) (Inchair) 98 51 24 32 50 68 50 84 141 71	32.2 21.4 34.6 15.3 8.4A 9.6 13.9 21.1 15.0 30.7 53.9 22.5	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.4 14.2 28.8 50.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7
SNOW April 1, 1982 DRANAGE GASIN AND COURSE NAME TRAIL CREEK TRUMAN CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK TWEN1Y-ONE MILE TWIN CREEKS TWIN LAKES TWIN CREEKS TWIN CREEKS TWIN CREEKS TWIN CREES TWIN CREEKS TWIN CREEKS TWIN CREEKS TWIN CREES TWIN CREES TW	Elevelon           7090           4060           6800           5600           5600           7150           3580           6510           6510           6500           5600           7800           5450           7800           5450           7800           5450           6700           6700	Date at Suiver 3/28 3/31 4/01 3/30 4/01 3/27 4/02 3/30 4/01 3/25 3/25 4/02 3/25 4/02 3/27	THIS YEAL Show Orol (Inchas) 3 S 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P 7 S P 9 8 3 4 4 2 S P	A A A A A A A A A A A A A A	PAST R Well/Cent Cent	SECORD         And Second         And Second         9.5         20.7         23.4         20.7         23.4         20.7         12.1         44.9         43.5         38.6         11.1         10.4         37.2         13.0         12.8         9.4	SHOW April 1, 1982 DRAINAGE DASM MITTOR SYOP COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) KICKING HORSE (BC) KIMBERLEY (BC) KIMBERLEY LOWER VOR (BC) KIMBERLEY UPPER VOR (BC) KIMBERLEY UPPER VOR (BC) MOBERLEY AIDDLE VOR (BC) MORALSSEY RIDGE (BC) MOUNT ABBOT (BC) MOUNT ASSINIBOINE (BC) MOUNT ASSINIBOINE (BC) MOUNI JOFFRE (BC)	Elaration 4100 5080 6260 5470 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080	3/31 3/31 3/30 3/30 3/31 3/30 3/31 3/30 3/29 3/29 3/29 3/29 3/29 3/29 3/29 3/29	THIS LEA Source Deal (Inchest) (Inchest) 8 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0	32.2           21.4           34.6           15.3           8.44           9.6           13.9           21.1           15.0           30.7           3.9           21.1           15.0           30.7           3.9           21.6           15.2	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5
SHOW April 1, 1982 ORANAGE GASH Andro SHOW COURSE RAAGE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES TWIN SPILLOW WALDRON WALDRON WALDRON WALDRON WALDRON WALDRON WAST SPILLOW WEASEL OIVIDE WEST YELLOWSTONE WEST YELLOWSTONE WHISKEY CREEK PILLOW WHIE MILL	Elevation           7090           4060           6800           5600           5600           5610           6510           6510           6500           5600           7090           4060           6800           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           6800           6800           6800           6800           8700	2010 2128	THIS YEAL Show Droug Hinchesy 3 5 1 6 E S T 7 0 S P E S 1 4 7 S P E S 1 4 7 S P E S 1 4 7 S P 9 8 3 4 4 2 S P 9 8 3 4 4 2 S P 9 8 3 4 4 2 S P 9 8 3 4 4 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5	************************************	PAST R Water Cent Vater Cent Cat Year 7.0 0 13.1 6.2 9.5 10.0 0 23.3 24.7 23.4 2.0 6.0 16.6 17.6 25.8 3.6 5.3 4.9 12.8 12.8 12.5 17.5	Second           Prof. Junchill           Average           9.5           20.7           23.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           20.7           3.4           3.5           3.8.6           11.1           10.4           -           -           37.2           13.0           12.8           9.4           21.8           18.4           29.7	SHOW April 1, 1982 DRAINAGE DASM MIGHT STOP COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) GRAY CREEK UPPER (BC) KICKING HORSE (BC) KIMBERLEY (BC) KIMBERLEY LOWER VOR (BC) KIMBERLEY UPPER VOR (BC) KIMBERLEY UPPER VOR (BC) MARBLE CANYON (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ASSINIBOINE (BC) MOUNT JOFFRE (BC) SINCLAIR PASS (BC) SULLIVAN MINE (BC) THUNDER CREEK (BC)	Élaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400	3/31 3/31 3/30 3/30 3/30 3/30 3/30 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/30	This iEA Dear Dear (Inchair) (	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6
SNOW April 1, 1982 DRAWAGE DASIN AND COURSE NAME TRAIL CREEK TRUMAN CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWEN1Y-ONE MILE TWIN CREEKS TWIN LAKES TWIN CREEKS WALDRON WALDRON PILLOW WARM SPRINGS WARM SPRINGS WARM SPRINGS WARM SPRINGS WARM SPRINGS WAST YELLOWSTONE WEST YELLOWSTONE WEST YELLOWSTONE WHISKEY CREEK WHISKEY CREEK WHISKEY CREEK WHITE MILL WHITE PINE RIDGE WILLOW CREEK	Elevelon           7090           4060           6800           5600           5610           3580           6510           6510           6510           6500           7600           6500           7600           6700           6700           6800           8700           8700           8700           8700           8700           850           6500	Date           at Subret           3/28           3/31           4/01           3/30           4/01           3/30           4/01           3/30           4/01           3/25           4/02           3/30           4/01           3/25           4/02           3/25           4/02           3/25           4/02           3/25           4/01           3/25           4/02           3/25           4/01           3/25           4/02           3/25           4/01           3/25           4/02           3/27           3/27           3/27           3/29           3/27           3/29           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27	THIS YEAL Show Orol Inchas) 3 5 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P E S I 4 7 S P 8 5 9 8 3 4 4 2 S P 8 0 2 S P 10 2 3 2 4 3	A A A A A A A A A A A A A A	PAST R Well' Cent 1. Vell' Cent 7.0 .0 13.1 6.2 9.5 10.0 23.3 24.7 23.4 2.0 6.0 16.6 17.6 25.8 3.6 5.3 4.9 12.8 12.5 17.5 16.0 5.4 4.4 4.4	SECOND         PPL UNCALLI         Accrean         9.5         20.7         23.4         20.7         19.6         12.1         44.9         43.5         38.6         11.1         10.4         37.2         13.0         12.8         9.4         18.4         29.7         35.9         10.8	SHOW April 1, 1982 DRAINAGE DASM MIGHT STOP COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) GRAY CREEK UPPER (BC) KICKING HORSE (BC) KIMBERLEY (BC) KIMBERLEY LOWER VOR (BC) KIMBERLEY UPPER VOR (BC) KIMBERLEY UPPER VOR (BC) MARBLE CANYON (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ASSINIBOINE (BC) MOUNT JOFFRE (BC) SINCLAIR PASS (BC) SULLIVAN MINE (BC) THUNDER CREEK (BC)	Élaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400	3/31 3/31 3/30 3/30 3/30 3/30 3/30 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/30	This iEA Dear Dear (Inchair) (	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6
SHOW April 1, 1982 DRAMAGE GASH and/or SHOW COURSE RAATE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES TWIN LAKES TWIN LAKES PILLOW UPPER HOLLAND LAKE WALDRON WALDRON PILLOW WARM SPRINGS WARM SPRINGS PILLOW WEASEL DIVIDE WES1 ROSEBUO WEST YELLOWSTONE WES1 YELLOWSTONE WES1 YELLOWSTONE WES1 YELLOWSTONE WES1 YELLOWSTONE WES1 YELLOWSTONE WES1 YELLOWSTONE WHISKEY CREEK WHISKEY CREEK PILLOW WHITE MILL WHITE MILL WHITE MILL WHITE PINE RIDGE WILLOW CREEK WOOD CREEK WOOD CREEK WOOD CREEK	Elevation           7090           4060           6800           5600           5600           7150           3580           6510           6510           6500           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           6700           6700           6700           6800           8700           8700           8500           5960           5960           5700	3/28 3/31 4/01 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 3/27 3/31 3/27 3/27 3/27 3/27 3/27 3/27 3/27 3/27	THIS YEAL Show Droug Inchest 3 5 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P 9 8 3 4 2 S P 9 8 3 4 2 S P 1 0 2 S P 3 2 4 3 5 7 5 8 9 8 3 4 2 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	************************************	PAST R Water Cent Vater Cent Catil Yew 7.0 0 13.1 6.2 9.5 10.0 23.3 24.7 23.4 2.0 6.0 16.6 17.6 25.8 3.6 5.3 4.9 12.8 12.5 17.5 16.0 5.4 4.4 4.8 8.1 6.1	VECOND         PPI Inchili         A.crosp         9.5         20.7         23.4         20.7         23.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         3.5         3.8.6         11.1         10.4	SHOW April 1, 1982 DRAINAGE DASM MIGHT STOP COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) GRAY CREEK UPPER (BC) KICKING HORSE (BC) KIMBERLEY (BC) KIMBERLEY LOWER VOR (BC) KIMBERLEY UPPER VOR (BC) KIMBERLEY UPPER VOR (BC) MARBLE CANYON (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ASSINIBOINE (BC) MOUNT JOFFRE (BC) SINCLAIR PASS (BC) SULLIVAN MINE (BC) THUNDER CREEK (BC)	Élaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400	3/31 3/31 3/30 3/30 3/30 3/30 3/30 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/30	This iEA Dear Dear (Inchair) (	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6
SHOW April 1, 1982 ORANAGE GASH and/or SHOW COURSE RAAVE TRAIL CREEK TRUMAN CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES TWIN LAKES TWIN LAKES PILLOW UPPER HOLLAND LAKE WALDRON WALDRON PILLOW WARM SPRINGS WARM SPRINGS PILLOW WEASEL OIVIDE WESI ROSEBUO WEST YELLOWSTONE PILLOW WHISKEY CREEK WHISKEY CREEK PILLOW WHITE MILL WHITE MILL WHITE MILL WHITE PINE RIDGE WILLOW CREEK WOOD CREEK WOOD CREEK PILLOW	Elevation           7090           4060           6800           5600           5600           580           6510           6510           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5400           5450           7500           6700           6800           8700           8700           850           6500           5960	3/28 3/31 4/01 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 3/27 3/31 3/31 3/29 3/29 3/27 3/27	THIS YEAL Show Oral (Inchea) 3 5 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P E S I 4 7 S P 8 4 4 2 S P 9 8 3 4 2 S P 3 2 4 3 4 2 S P 3 2 4 3 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	A         h         10.2         5.0         23.0         29.2         25.2         18.4         13.0A         54.3         53.1         40.0         15.2         25.4         26.4         38.5         9.7         10.2         27.2         21.5         33.4         28.9         5.4         25.3         33.4         28.9         5.4         15.2	PAST R Water Cont Vater Cont Latt Yew 7.0 0 13.1 6.2 9.5 10.0 23.3 24.7 23.4 2.0 6.0 16.6 17.6 25.8 3.6 5.3 4.9 12.8 12.5 16.0 5.4 4.4 4.4 8.1	VECOND         rml Inchili         A.eroan         9.5         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.5         3.8.6         11.1         10.4	SHOW April 1, 1982 DRAINAGE DASM HIGTOR SYDD COURSE HAME GLACIER (0C) GRAY CREEK LOWER (0C) GRAY CREEK UPPER (0C) KINDERLEY (0C) KIMBERLEY (0C) KIMBERLEY LOWER VOR (0C) KIMBERLEY UPPER VOR (0C) MARBLE CANYON (0C) MOUNT ABOOT (0C) MOUNT ABOOT (0C) MOUNT ABOOT (0C) MOUNT ASSINIBOINE (0C) SINCLAIR PASS (0C) SULLIVAN MINE (0C) UPPER ELK RIVER (0C) VERMONI CREEK (0C) VERMONI CREEK (0C)	Elarator 4100 5080 6260 5410 3800 4490 510 7020 4990 6100 6490 6490 5080 6590 4490 5080 6590 4490 5080 6590 4990	3/31 3/31 3/30 3/30 3/37 3/30 3/37 3/30 3/29 3/29 3/29 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	This iEA See Dep (Inchair) (In	32.2 21.4 34.6 15.3 8.4A 9.6 13.9 21.1 15.0 30.7 53.9 22.5 16.4 7.2 15.2 8.6 6.1 25.1	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1
SHOW April 1, 1982 DRAMAGE GASHA madiou SHOW COURSE RAAVE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES TWIN LAKES TWIN LAKES PILLOW UPPER HOLLAND LAKE WALDRON WALDRON PILLOW WARM SPRINGS WARM SPRINGS WARM SPRINGS PILLOW WEASEL OIVIDE WESI YELLOWSTONE WESI YELLOWSTONE WESI YELLOWSTONE WHISKEY CREEK PILLOW WHITE MILL PILLOW WHITE MILL PILLOW WHITE PINE RIDGE WILLOW CREEK WOOD CREEK WOOD CREEK WRONG RIDGE	Elevation           7090           4060           6800           5600           5600           7150           3580           6510           6510           6500           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           6700           6700           6700           6800           8700           8700           8500           5960           5960           5700	3/28 3/31 4/01 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 3/27 3/31 3/27 3/27 3/27 3/27 3/27 3/27 3/27 3/27	THIS YEAL Show Droug Inchest 3 5 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P 9 8 3 4 2 S P 9 8 3 4 2 S P 1 0 2 S P 3 2 4 3 5 7 5 8 9 8 3 4 2 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	************************************	PAST R Water Cent Vater Cent Catil Yew 7.0 0 13.1 6.2 9.5 10.0 23.3 24.7 23.4 2.0 6.0 16.6 17.6 25.8 3.6 5.3 4.9 12.8 12.5 17.5 16.0 5.4 4.4 4.8 8.1 6.1	VECOND         rml Inchili         A.etaan         9.5         20.7         23.4         20.7         23.4         20.7         33.6         12.1         44.9         33.6         11.1         10.4         37.2         13.0         12.8         9.4         21.8         18.4         29.7         35.9         10.8         -         15.4         21.5         24.7         64.2	SHOW April 1, 1982 DRAINAGE DASM HIGTOR STOP COURSE NAME GLACIER (0C) GRAY CREEK LOWER (0C) GRAY CREEK UPPER (0C) KICKING HORSE (0C) KIMBERLEY (0C) KIMBERLEY (0C) KIMBERLEY UPPER VOR (0C) KIMBERLEY UPPER VOR (0C) MARBLE CANYON (0C) MOUNT ABBOT (0C) MOUNT ABBOT (0C) MOUNT ASSINIBOINE (0C) MOUNT ASSINIBOINE (0C) SULLIVAN MINE (0C) THUNDER CREEK (0C) VERMONI CREEK (0C) VERMONI CREEK (0C)	Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6590 6590 6500 5200 6950 5700 6750 5200 6950 5700 6750	3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/28 4/01 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/28	THIS LEA Des Des (hebe) 124 32 50 68 50 84 141 71 50 28 50 41 17 64 128 46 100 58 83	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 33.8 t.2 19.6 4.4 12.3	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1
SHOW April 1, 1982 DRAWAGE DASIM AND/OF SHOW COURSE NATE TRAIL CREEK TRUMAN CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK TWELVEMILE CREEK TWELVEMILE CREEK TWIN CREEKS TWIN CREEKS TWIN LAKES TWIN CREEKS WALDRON WAL	Elevision           7090           4060           6800           5600           5610           5510           6510           6510           6510           6510           6500           7800           5600           7800           6500           7800           6700           6700           6800           8700           8700           8700           8700           8700           8700           6500           5960           5700           6800           8700           8850           6500           5700           6800           5700           6800           5700           6800           5700           6800           5700           6800           5700           6800           5700           6800	3/28 3/28 3/31 4/01 3/27 4/02 3/30 3/30 3/30 4/01 3/27 4/02 3/30 3/30 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 3/25 4/02 3/27 3/31 3/27 3/27 3/27 3/27 3/27 3/27 3/27 3/27	THIS YEAL Show Droug Inchest) 3 5 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P E S I 4 7 S P 8 6 4 2 S P 9 8 3 4 2 S P 9 8 3 4 2 S P 3 2 S P 9 8 3 4 2 S P 3 2 S P 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	A         h         10.2         5.0         23.0         29.2         25.2         18.4         13.0A         54.3         53.1         40.0         15.2         25.4         26.4         38.5         9.7         21.5         33.4         28.9         5.4         21.5         33.4         28.9         5.4         21.5         33.4         28.9         5.4         21.5         33.4         28.9         5.4         24.0         15.2         21.4         75.1A         24.0         16.7	PAST R           Wattr Cont           0           0           13.1           6.2           9.5           10.0           23.3           24.7           23.4           2.0           6.0           16.6           17.6           25.8           3.6           5.3           4.9           12.8           12.5           17.5           16.0           5.4           4.4           8.1           6.1           9.9           8.4           4.10           9.9	VECOND         rml Inchili         A.eroan         9.5         20.7         23.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.5         38.6         11.1         10.4         -         37.2         13.0         12.8         9.4         21.8         18.4         20.7         27.3         5.9         10.8         -         -         15.4         21.5         24.7         64.2         22.0         17.7	SHOW April 1, 1982 DRAINAGE DASM MISTOR STOR COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) KICKING HORSE (BC) KIMBERLEY (BC) KIMBERLEY (BC) KIMBERLEY (BC) KIMBERLEY UPPER VOR (BC) KIMBERLEY UPPER VOR (BC) MARBLE CANYON (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) SINCLAIR PASS (BC) SULLIVAN MINE (BC) THUNDER CREEK (BC) VERMONI CREEK (BC) VERMONI CREEK (BC)	Elaration 4100 5080 6260 5410 3800 4490 510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4490 5080 6590 6500 6950 5700 6100 6500 6100 6330	3/31 3/31 3/30 3/30 3/37 3/30 3/29 3/29 3/29 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	THIS FEA Star Day (Machaniz 8 2 6 4 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 3 6 1 2 8 1 2 4 1 2 8 1 3 6 1 3 7 1 3 8 1 3 8 1 3 6 1 3 6 1 3 6 1 3 7 1 4 1 1 7 1 7 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	32.2         21.4         34.6         15.3         8.4A         9.6         13.9         21.1         15.0         30.7         53.9         22.5         16.4         7.2         15.2         8.6         6.1         25.1         51.6         16.7         38.8         22.1         31.5         29.0         19.2         54.3	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 33.8 1.2 13.6 31.6 31.6 31.6 32.0	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1
SHOW April 1, 1982 DRAMAGE GASHA madiou SHOW COURSE RAAVE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES PILLOW UPPER HOLLAND LAKE WALDRON PILLOW WARM SPRINGS WARM SPRINGS PILLOW WEASEL DIVIDE WESI ROSEBUO WEST YELLOWSTONE WESI YELLOWSTONE WESI YELLOWSTONE PILLOW WHISKEY CREEK PILLOW WHISKEY CREEK PILLOW WHITE MILL PILLOW WHITE PINE RIDGE WILLOW CREEK WOOD CR	Elevation           7090           4060           6800           5600           5600           7150           3580           6510           6510           6500           7600           5600           7800           7800           7800           7800           6700           6700           6700           8800           8700           8700           8700           8700           8700           8700           8800           6500           5960           5700           6500           5960           5700           6500           5960           5700           6800           6500           5960           5700           6800           6500           5960           5700           6800           6500           6500           6500           6900	Date           at Subret           3/28           3/31           4/01           3/30           4/01           3/30           4/01           3/30           4/01           3/28           3/30           4/01           3/25           4/02           3/25           4/01           3/25           4/02           3/25           4/02           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/27           3/28           3/28           3/28           3/30           3/28           3/28           3/28	THIS YEAL Srow Orol Inchas) 3 5 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P E S I 4 7 S P 8 5 9 8 3 4 4 2 S P 8 0 2 S P 10 2 S P 5 2 4 3 4 3 4 9 S P 5 0 5 2 4 3 4 3 4 4 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	n       10.2         5.0       23.0         29.2       18.4         13.0       25.2         18.4       13.0         53.1       40.0         15.2       25.4         26.4       38.5         9.7       12.1         10.2       27.2         21.5       33.4         28.9       5.4         21.5       33.4         28.9       5.4         21.5       33.4         28.9       5.4         21.5       33.4         28.9       5.4         21.5       33.4         28.9       5.4         21.5       33.4         28.9       5.4         15.2       17.6         24.4       75.1         24.4       75.1         25.2       1.5         15.2       60.8	PAST R Well' Cent Vell' Cent Vell' Cent Cent Yeb 7.0 .0 13.1 6.2 9.5 10.0 23.3 24.7 23.4 2.0 6.0 16.6 17.6 25.8 3.6 5.3 4.9 12.8 12.5 17.5 16.0 5.4 4.4 4.4 4.8 8.1 6.1 9.9 8.4 4.1 9.9	VECOND         rml Inchill         A.etaan         9.5         20.7         23.4         20.7         23.4         20.7         33.6         12.1         44.9         33.6         11.1         10.4         37.2         13.0         12.8         9.4         21.8         18.4         29.7         35.9         10.8         -         15.4         21.5         24.7         64.2         22.0	SHOW       April 1, 1982         DRAINACE DASM match stor course         NAME         GLACIER (0C)         GRAY CREEK LOWER (0C)         GRAY CREEK UPPER (0C)         KICKING HORSE (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY UPPER VOR (0C)         KIMBERLEY UPPER VOR (0C)         MARBLE CANYON (0C)         MOUNT ABOOT (0C)         MOUNT ASSINIBOINE (0C)         MOUNT ASSINIBOINE (0C)         SINCLAIR PASS (0C)         SULLIVAN MINE (0C)         THUNDER CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         NEVAOA CREEK <tr< td=""><td>Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800</td><td>3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/29 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28</td><td>THIS FEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0</td><td>32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           54.3           31.5           29.0           19.2           54.3           37.7           51.0           23.0</td><td>26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1</td><td>27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 </td></tr<>	Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800	3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/29 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	THIS FEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           54.3           31.5           29.0           19.2           54.3           37.7           51.0           23.0	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 
SHOW April 1, 1982 DRAWAGE GASHA BARGAR SHOW COURSE RATE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES TWIN LAKES TWIN LAKES PILLOW UPPER HOLLAND LAKE WALDRON PILLOW WARM SPRINGS WARM SPRINGS PILLOW WEASEL OIVIDE WESI ROSEBUO WEST YELLOWSTONE PILLOW WHISKEY CREEK PILLOW WHISKEY CREEK PILLOW WHISKEY CREEK PILLOW WHITE MILL PILLOW WHITE MILL PILLOW WHITE PINE RIDGE WILLOW CREEK WOOD CREEK PILLOW WRONG CREEK WRONG	Elevation           7090           4060           6800           5600           5600           5600           5600           580           6510           6510           6500           5600           5600           5600           5600           5600           5600           5600           5600           5400           5400           5400           6700           6700           6800           8700           8700           8700           8700           6800           5960           5700           6500           5960           5700           6800           6800           6800           6800           6800           6800           6800           6800           6800           6800           6800           6900           6800           6800	3/28 3/28 3/31 4/01 3/27 4/02 3/30 3/30 3/30 3/30 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 4/01 3/27 3/27 3/27 3/27 3/27 3/27 3/28 3/29 3/28 3/29 3/29 3/29 3/29 3/29 3/29 3/29 3/29	THIS YEAL Store Orol Inchas) 3 5 1 6 E S T 7 0 S P 6 4 3 3 1 2 9 S P E S I 4 7 S P E S I 4 7 S P 8 6 4 2 S P 8 5 9 8 3 4 4 2 S P 8 5 9 8 3 4 4 2 S P 8 5 8 5 1 6 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5	************************************	PAST R Waltr Cent Waltr Cent Valtr Cent Call Yes 7.0 .0 13.1 6.2 9.5 10.0 23.3 24.7 23.4 2.0 6.0 16.6 17.6 25.8 3.6 5.3 4.9 12.8 12.5 17.5 16.0 5.4 4.4 4.8 8.1 6.1 9.9 14.0 5.4 4.4 4.4 5.5 16.0 5.4 4.4 4.4 5.5 16.0 5.4 4.4 6.1 9.9 7.0 6.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 5.4 6.1 7.5 16.0 7.1 2.4 17.5 17.5 16.0 7.1 2.4 17.5 16.0 7.1 2.4 17.5 17.	VECOND         Prof Inchili         Average         9.5         20.7         23.4         20.7         23.4         20.7         23.4         20.7         3.4         20.7         3.5         38.6         11.1         10.4         7.2         13.0         12.8         9.4         21.8         18.4         29.7         27.3         5.9         10.8         -         15.4         21.5         24.7         64.2         22.0         17.7         12.0         -         44.2         2.1.5	SHOW April 1, 1982 DRAINAGE DASM MISTOR STOR COURSE NAME GLACIER (BC) GRAY CREEK LOWER (BC) KICKING HORSE (BC) KIMBERLEY (BC) KIMBERLEY (BC) KIMBERLEY (BC) KIMBERLEY UPPER VOR (BC) KIMBERLEY UPPER VOR (BC) MARBLE CANYON (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) MOUNT ABBOT (BC) SINCLAIR PASS (BC) SULLIVAN MINE (BC) THUNDER CREEK (BC) UPPER ELK RIVER (BC) VERMONI CREEK (BC) VERMONI CREEK (BC) VERMONI CREEK (BC) STULIVAN COULD AND ACTOR COPPER CAMP COPPER CREEK COPPER LAKE CREEK FATTY CREEK NEVAOA CBEEK M. FORK JOLKO STUART MOUNTAIN TRINKUS LAKE	Elayarism 4100 5080 6260 5410 3800 4490 7020 6490 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 6100 6100	3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/29 3/29 3/29 3/28 3/28 4/01 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	THIS FEA Second Second	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           51.6           16.7           38.8           22.1           31.5           29.0           19.2           54.3           37.7           51.0	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 1.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4	47.6 11.9 28.8 28.8 28.8 50.3 21.4 14.2 28.8 50.3 21.4 14.2 28.8 50.3 21.4 14.2 28.8 50.3 21.4 14.2 28.8 50.3 21.4 14.2 28.8 50.3 21.4 14.5 11.7 6.6 20.1 4.5 11.7 6.6 20.1 4.5 11.9 34.2 16.1 26.3 25.1 
SHOW April 1, 1982 DRAMAGE GASHA madiou SHOW COURSE RAAVE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES PILLOW UPPER HOLLAND LAKE WALDRON PILLOW WARM SPRINGS PILLOW WEASEL OIVIDE WESI ROSEBUO WEST YELLOWSTONE PILLOW WHISKEY CREEK PILLOW WHISKEY CREEK PILLOW WHISKEY CREEK PILLOW WHITE MILL WHITE MILL PILLOW WHITE PINE RIDGE WILLOW CREEK WOOD CREEK	Elevision           7090           4060           6800           5600           5610           7190           4060           6800           5600           7500           6510           6510           6510           6510           6500           7800           7800           7800           6700           6700           6800           8700           8700           8700           8700           6800           5960           5700           6800           5700           6800           5960           5700           6800           5960           5700           6800           5960           5700           6800           4100           5400           5800           6800           6800           6800           6800           6800           6800	3/28 3/28 3/31 4/01 3/30 4/01 3/30 4/01 3/27 3/30 4/01 3/25 4/02 3/25 4/02 3/25 4/02 3/27 3/27 3/27 3/27 3/27 3/27 3/27 3/2	THIS YEAL         Srow Orol         Inchas)         3 5         1 6         E S T         7 0         S P         6 4         3 3         1 2 9         S P         E S I         4 7         S P         E S I         4 7         S P         8 6         S P         3 2         4 3         4 2         S P         8 5 P         1 0 2         S P         3 2 4         4 3         4 4 2         S P         8 5 P         1 0 2         S P         3 2 4         4 3 4         5 5 7         5 3         1 6 6         5 3         1 6 6         5 3         1 6 8         6 7         5 5 1         1 3 9         5 6         4 0	10.2         5.0         23.0         29.2         18.4         13.0A         54.3         53.1         40.0         15.2         25.4         26.4         38.5         9.7         10.2         25.4         26.4         38.5         9.7         10.2         27.2         21.5         33.4         28.9         5.4         8.2         15.2         17.6         24.4         21.5         33.4         28.9         5.4         8.2         15.2         15.2         15.2         15.2         15.2         15.2         15.2         24.4         25.2         13.1         37.6         22.0	PAST R           Waltr Cent           Valtr Cent           Call Yes           7.0           0           13.1           6.2           9.5           10.0           23.3           24.7           23.4           200           6.0           16.6           17.6           25.8           3.6           5.3           4.9           12.8           12.5           16.0           5.4           4.4           8.1           6.1           9.9           8.4           4.1.9           12.9           13.0           9.9           8.4           4.1.9           12.9           13.0           9.6           36.4           10.7           7.1	VECOND         rml Inchill         A.etaan         9.5         20.7         23.4         20.7         23.4         20.7         23.4         20.7         33.6         12.1         44.9         38.6         11.1         10.4         7.2         13.0         12.8         9.4         21.8         18.4         29.7         35.9         10.8         -         15.4         22.0         17.7         12.0         4.22         12.0         4.2         24.7         64.2         22.0         17.7         12.0         4.2         4.2         1.5          4.2          1.5	SHOW       April 1, 1982         DRAINACE DASM match stor course         NAME         GLACIER (0C)         GRAY CREEK LOWER (0C)         GRAY CREEK UPPER (0C)         KICKING HORSE (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY UPPER VOR (0C)         KIMBERLEY UPPER VOR (0C)         MARBLE CANYON (0C)         MOUNT ABOOT (0C)         MOUNT ASSINIBOINE (0C)         MOUNT ASSINIBOINE (0C)         SINCLAIR PASS (0C)         SULLIVAN MINE (0C)         THUNDER CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         NEVAOA CREEK <tr< td=""><td>Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800</td><td>3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/29 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28</td><td>THIS FEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0</td><td>32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           51.6           16.7           38.8           22.1           31.5           29.0           19.2           54.3           37.7           51.0           23.0           39.9</td><td>26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1</td><td>27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 </td></tr<>	Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800	3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/29 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	THIS FEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           51.6           16.7           38.8           22.1           31.5           29.0           19.2           54.3           37.7           51.0           23.0           39.9	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 
SHOW April 1, 1982 DRAWAGE GASHA BARGE SHOW COURSE RATE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES TWIN LAKES PILLOW UPPER HOLLAND LAKE WALDRON WADRON PILLOW WARM SPRINGS WARM SPRINGS PILLOW WEASEL OIVIDE WES1 ROSEBUO WES1 YELLOWSTONE PILLOW WHISKEY CREEK PILLOW WHISE CREEK WHISKEY CREEK PILLOW WHITE MILL PILLOW WHITE MILL PILLOW WHITE PINE RIDGE WILLOW CREEK WOOD CREEK WOOD CREEK WOOD CREEK PILLOW WHITE PINE RIDGE IDAHO ABOVE BURKE (ID) BEAR MOUNIAIN (ID) BIG SPRINGS (ID) BLUE LEDGE MINE (ID) CRAB CREEK (ID) HALVERSON CREEK (ID) KILGORE (ID) KIL CARSON (ID) LOCKOUT (ID) HGOSE CREEK (ID)	Elevation           7090           4060           6800           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           5600           7800           5450           7500           6700           6800           8700           8850           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           5960           590           6800           6800           6800	3/28 3/28 3/31 4/01 3/30 4/01 3/27 4/02 3/30 3/30 4/01 3/25 3/25 4/02 3/25 4/02 3/25 4/02 3/25 4/01 3/27 3/27 3/27 3/27 3/27 3/27 3/27 3/29 3/29 3/29 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	THIS YEAL         Sree Orol         Inchas)         35         16         EST         70         SP         64         33         129         SP         EST         70         SP         64         33129         SP         EST         75         SP         84         42         SP         834         42         SP         834         42         SP         334         42         SP         34         57         34         42         SP         34         57         58         57         57         57         57         58         57         58         57         58         57         58         58         58 <tr< td=""><td>************************************</td><td>PAST R           Wattr Cent           0           0           13.1           6.2           9.5           10.0           23.3           24.7           23.4           2.0           6.0           16.6           17.6           25.8           3.6           5.3           12.5           17.5           16.0           5.4           4.9           12.8           12.5           17.5           16.0           5.4           4.9           12.8           12.9           13.0           9.9           8.4           4.1.9           9.9           8.4           4.1.9           9.6           36.4           10.7           7.1           2.4           10.8</td><td>VECOND         PPI I JACAIII         A.croan         9.5         20.7         23.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.5         9.4         21.8         18.4         29.7         27.3         5.9         10.8         -         15.4         21.5         24.7         64.2         22.0         17.7         12.0         -         44.2         2.1.5         24.7         64.2         2.0         17.7         12.0         -         44.2         2.1.5      <tr td=""></tr></td><td>SHOW       April 1, 1982         DRAINACE DASM match stor course         NAME         GLACIER (0C)         GRAY CREEK LOWER (0C)         GRAY CREEK UPPER (0C)         KICKING HORSE (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY UPPER VOR (0C)         KIMBERLEY UPPER VOR (0C)         MARBLE CANYON (0C)         MOUNT ABOOT (0C)         MOUNT ASSINIBOINE (0C)         MOUNT ASSINIBOINE (0C)         SINCLAIR PASS (0C)         SULLIVAN MINE (0C)         THUNDER CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         NEVAOA CREEK      <tr< td=""><td>Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800</td><td>3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28</td><td>THIS FEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0</td><td>32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           54.3           31.5           29.0           19.2           54.3           37.7           51.0           23.0</td><td>26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1</td><td>27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 </td></tr<></td></tr<>	************************************	PAST R           Wattr Cent           0           0           13.1           6.2           9.5           10.0           23.3           24.7           23.4           2.0           6.0           16.6           17.6           25.8           3.6           5.3           12.5           17.5           16.0           5.4           4.9           12.8           12.5           17.5           16.0           5.4           4.9           12.8           12.9           13.0           9.9           8.4           4.1.9           9.9           8.4           4.1.9           9.6           36.4           10.7           7.1           2.4           10.8	VECOND         PPI I JACAIII         A.croan         9.5         20.7         23.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.4         20.7         3.5         9.4         21.8         18.4         29.7         27.3         5.9         10.8         -         15.4         21.5         24.7         64.2         22.0         17.7         12.0         -         44.2         2.1.5         24.7         64.2         2.0         17.7         12.0         -         44.2         2.1.5 <tr td=""></tr>	SHOW       April 1, 1982         DRAINACE DASM match stor course         NAME         GLACIER (0C)         GRAY CREEK LOWER (0C)         GRAY CREEK UPPER (0C)         KICKING HORSE (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY UPPER VOR (0C)         KIMBERLEY UPPER VOR (0C)         MARBLE CANYON (0C)         MOUNT ABOOT (0C)         MOUNT ASSINIBOINE (0C)         MOUNT ASSINIBOINE (0C)         SINCLAIR PASS (0C)         SULLIVAN MINE (0C)         THUNDER CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         NEVAOA CREEK <tr< td=""><td>Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800</td><td>3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28</td><td>THIS FEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0</td><td>32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           54.3           31.5           29.0           19.2           54.3           37.7           51.0           23.0</td><td>26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1</td><td>27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 </td></tr<>	Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800	3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	THIS FEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           54.3           31.5           29.0           19.2           54.3           37.7           51.0           23.0	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 
SHOW April 1, 1982 DRAMAGE GASHA madiou Show COURSE RAAVE TRAIL CREEK TRUMAN CREEK TV MOUNTAIN TWELVEMILE CREEK PILLOW IWENIY-ONE MILE TWIN CREEKS TWIN LAKES TWIN LAKES PILLOW UPPER HOLLAND LAKE WALDRON PILLOW WARM SPRINGS PILLOW WEASEL DIVIDE WESI ROSEBUD WEST YELLOWSTONE PILLOW WHISKEY CREEK PILLOW WHISKEY CREEK PILLOW WHISKEY CREEK PILLOW WHITE MILL WHITE MILL WHITE MILL PILLOW WHITE PINE RIDGE WILLOW CREEK WOOD CREEK	Elevation           7090           4060           6800           5600           5600           5600           5600           580           6510           6500           7800           5400           7800           7800           7800           7800           7800           7800           6700           6700           6800           8700           8700           8700           8700           8700           6800	3/28 3/28 3/31 4/01 3/27 4/02 3/30 3/30 3/30 4/01 3/27 4/02 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 4/02 3/25 4/02 4/01 3/27 3/31 3/31 3/31 3/29 3/29 3/29 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	THIS YEAL         Store Drol         Inchast         3 5         1 6         E S T         7 0         S P         6 4         3 3         1 2 9         S P         E S I         4 7         S P         E S I         4 7         S P         E S I         4 2         S P         8 4         4 2         S P         8 3 4         4 2         S P         3 3 4         4 2         S P         8 4         5 5 1         5 2         1 3 9         5 6         4 0         3 1         8 4         9 7         5 6         4 0         3 1         8 4         9 7         5 6         4 0         3 1         9 2	************************************	PAST R           Water Cont           0           0           13.1           6.2           9.5           10.0           23.3           24.7           23.4           2.0           6.0           16.6           17.6           25.8           3.6           12.5           17.6           25.8           16.0           5.3           4.9           12.8           12.5           16.0           5.4           4.4           4.8           8.1           6.1           9.9           8.4           4.1           9.9           8.4           4.1           9.9           8.4           10.9           36.4           10.8           25.6           17.6           26.0           34.2	VECOND         Prof Inchili         Average         9.5         20.7         23.4         20.7         23.4         20.7         23.4         20.7         23.4         20.7         23.4         20.7         23.4         20.7         23.4         20.7         23.4         20.7         38.6         12.1         44.9         43.5         38.6         11.1         10.4         7         37.2         13.0         12.8         9.4         21.8         18.4         29.7         35.9         10.8         -         15.4         21.5         24.7         64.2         22.0         17.7         12.0         -         44.2         7.1         20.7         22.0         17.7      <	SHOW       April 1, 1982         DRAINACE DASM match stor course         NAME         GLACIER (0C)         GRAY CREEK LOWER (0C)         GRAY CREEK UPPER (0C)         KICKING HORSE (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY (0C)         KIMBERLEY UPPER VOR (0C)         KIMBERLEY UPPER VOR (0C)         MARBLE CANYON (0C)         MOUNT ABOOT (0C)         MOUNT ASSINIBOINE (0C)         MOUNT ASSINIBOINE (0C)         SINCLAIR PASS (0C)         SULLIVAN MINE (0C)         THUNDER CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK (0C)         VERMONI CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         COPPER CREEK         NEVAOA CREEK <tr< td=""><td>Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800</td><td>3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28</td><td>THIS LEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0</td><td>32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           51.6           16.7           38.8           22.3           31.5           29.0           19.2           54.3           37.7           51.0           23.0           39.9</td><td>26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1</td><td>27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 </td></tr<>	Elaration 4100 5080 6260 5410 3800 4490 5510 7020 4990 6100 6490 7310 5740 4490 5080 6590 4400 4990 6100 6590 6100 5500 6950 5700 6100 6330 7400 6100 6330 7400 6100 6800	3/31 3/31 3/30 3/30 3/31 3/30 3/29 3/31 3/28 3/28 3/28 4/01 3/31 3/28 3/28 3/28 3/28 3/28 3/28 3/28 3/28	THIS LEA Description B 2 6 6 9 8 5 1 2 4 3 2 5 0 6 8 5 0 8 4 1 4 1 7 1 5 0 2 8 5 0 4 1 1 7 6 4 1 2 8 4 6 1 00 5 8 8 3 8 2 5 8 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 4 1 1 7 6 4 1 2 8 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0	32.2           21.4           34.6           15.3           8.4A           9.6           13.9           21.1           15.0           30.7           53.9           22.5           16.4           7.2           15.2           8.6           6.1           25.1           51.6           16.7           38.8           22.3           31.5           29.0           19.2           54.3           37.7           51.0           23.0           39.9	26.2 15.1 27.6 13.2 4.7 4.6 9.5 15.1 10.4 18.9 43.1 20.0 13.4 4.3 12.3 9.6 0.0 14.0 14.0 33.8 t.2 19.6 4.4 12.3 10.6 32.0 27.8 33.4 13.1	27.6 19.2 32.0 14.9 6.8 7.3 12.5 20.4 14.2 28.8 50.3 21.8 15.7 5.4 14.5 11.7 6.6 20.1 47.6 11.9 34.2 16.1 26.3 25.1 

MONTANA WATER SUPPLY OUTLOOK Page 4

MONTANA WATER SUPPLY OUTLOOK Page 5

## Columbia River Drainage

STREAMFLOW FORECASTS	THE YEAR			11.346	THIS	YEAR	PAST	RECORD	1 MIS		PAST	HECORD
OTHEATIN LON TOTAL	F 089+ 15		1-0354-6	CDE + 281	1 041	ICASI	THOUSAND	ACREFEET	FOAF	CAST	THOUSAND A	CHI. FEET
RASH STREAM and a FORECAST POINT	The Land Po Age 6 and D	TRADE AR	L+11 +++	A . 5** 5*	Theward Active Face	Partent of Aratista	600100	area te	Thousand Acts Figure	P+ICENT DT A+FIFK+	6 200 7 8 20	A 13 19 2*
GAINTH	APR	IL - SE	PTFMBER			APRIL -	JULY			APRIL -	JUNE	
KOOTENAI RIVER below Libby Dam (1)         FISHER RIVER near Libby         YAAK RIVER near Troy         KOOTENAI RIVER at Leonia (1)         INFLOW HOULTON RESERVOIR nr BUTTE (Million Gallons)         WARM SFRINGS CREEK AT HEYERS DAM near Anaconda (2)         FLINT CREEK near Southern Cross (3)         FLINT CREEK below Boulder Creek (4)         INFLOW LOWER WILLOW CREEK RESERVOIR near Hall (5)	260 534 9,380 56.0 21.0 85.5	96 99	6,726 7,941 23.8	7,246 240 537 8,883 50.7 18.5 77.6 16.9	6,680 243 510 8,160 365 45.5 17.5 68.0 20.0	108 96 99 106 128 110 114 111 125	5,516 6,601 378 20.3	6,178 253 514 7,727 286 41.2 15.4 61.3 16.0	6,520 335	106 129	4,573 352	6,150 260
INFLOW LOWER WILLOW CREEK RESERVOIR hear harr (0)         MIDDLE FORK ROCK CREEK near Philipsburg         NEVADA CREEK near Finn         BLACKFOOT RIVER near Bonner         CLARK FORK RIVER above Miltown (6)         CLARK FORK RIVER above Miltown (6)         CLARK FORK RIVER above Missoula         WEST FORK 81TTERROOT RIVER near Conner (7)         BITTERROOT RIVER near Darby         SKALKAHO CREEK near Namilton	96.0 28.5 1,145 960 2,105 242 775 68.0	122 121 113 114 113 129 129 118	1,530 445	78.8 23.6 1,017 843 1,859 187 602 57.4	86.5 26.5 1,040 838 1,878 223 710 59.5	122 122 113 115 114 130 129 119	1,359 401	71.1 21.8 920 730 1,651 172 552 49.8	900 705 1,605 625	113 115 114 130	1,148 339	794 613 1,408 480
BURNT FORK CREEK near Stevensville (8) BITTERROOT RIVER at Hissoula (9) CLARK FORK RIVER below Hissoula CLARK FORK RIVER at St. Regis NORTH FORK FLATHEAD RIVER near Columbia Falls NIDDLE FORK FLATHEAD RIVER near Columbia Falls (10) SOUTH FORK FLATHEAD RIVER near Columbia Falls (10)	1,880 3,895 5,180 1,970 2,100 2,500	100 110 109	3,586 1,504 1,815	38.8 1,543 3,405 4,521 1,969 1,911 2,302 6,330	38.8 1,745 3,623 4,670 1,785 1,920 2,350 6,220	115 123 118 115 100 110 109 107	3,240 1,385 1,714 4,664	33.6 1,416 3,069 4,078 1,782 1,750 2,159 5,827	1,495 3,100 4,010 1,500 1,620 2,050 5,300	123 118 115 100 110 109 107	2,797 1,134 1,475 3,860	1,211 2,618 3,492 1,498 1,470 1,884 4,964
FLATHEAD RIVER at Columbia Falls (10)	740 8,050 14,000 275 153	109 109	5,061 6,097 0,071	681 7,394 12,340 263 143 13,781	650 7,400 12,700 247 143 14,400	109 109 113 106 108 115	5,622 9,190	596 6,806 11,222 234 133 12,519	6,300 10,750 12,200	109 113 115	4,600 7,570	5,779 9,507 10,633
										×* 1		

- Adjusted for starage in Lake Kasconusa.
   Adjusted for storage in Silver Lake, diversions to and pumping from Georgetown Lake.
- (3) Adjusted for storage in Georgeturn Lake, diversions from and pumping to Silver Lake.
   (4) Sum Flint Greek at Maxville and
- Baulder Greek at Maxville. (5) Sum of North Fark Lover Willaw Greek
- near Hall and South Fark Lover Willaw Creek mear Rall. (6) Difference in observed flaw Clark Fark above
- Missaula and Blackfoot near Banner.



Tucker sno-cats are used by Montana snow surveyors to travel over the loose, powder show common in the higher elevation drainages.

### SUMMARY OF SHOW MEASUREMENTS

RIVER BASIN	Number all Courses	THIS YEAR S SHAR MATER AS LERCENT OF				
SUB NATERSHED	Annaba	LTH YSE	A			
East Kootenay/BC		140	110			
- Kootenai/Hontana	27	182	108			
Kootenai above						
Bonners Ferry		165	109			
Little Sitterroof		227	106			
N. Fk. Flathead.		148	101			
M. Fk. Flathead,	. 9	175	111			
S. Fk. Flathead.	. 11	142	102			
Swan	7	126	101			
Flathead	42	148	104			
Stillwater &						
Whitefish	5	184	106			
Clark Fork above						
Blackfoot	37	165	118			
81ackfoot	20	214	116			
Upper Clark Fork						
above Missoula .	57	182	117			
Sitterroot	15	225	122			
Lower Clark Fork						
below Missoula .	14	201	108			
Clark Fork (Total						
w/o Flathcad)		196	116			
Pend O'Reille			110			
(Clark Fork &						
Flathcad)	128	173	111			
Columbia (Pend	120	1,1				
O'Reille &						
Kootenai)	137	182	113			
household in	131	102	113			

MONTANA WATER SUPPLY OUTLOOK Page 6

- (7) Adjusted for storage in Painted Rocks Reservalt. (8) Adjusted far diversion inta Sunset Highline Canal.
- (9) Difference in abserved flow Clark Fork above and
- belaw Missoula. (10) Adjusted far størage in Hungry Morse Reservoir. (11) Adjusted far størage in Hungry Morae Reservoir and
- Flathead Lake. (12) Adjusted for starage in Hungry Rorse Reservair, Flathead Lake and Nakon Ropids Reservoir.

ALL FORECASTS PREPARED IN COOPERATION



CANADA

## Streamflows should

### be adequate

Good March and early April snowfall has improved water supplies particularly in the Upper Clark Fork and Blackfoot River drainages. Generally, the higher percentage or above average forecasts are in the southern drainages and the lower percentage or near average forecasts are in the northern portion of the drainage. Adequate irrigation water supplies are anticipated for all drainages. Good high elevation snowpack should hold streamflows up well into the summer.

Flan Pollod		
50+i+ a 5443 01	1, 2 22 542 200	
Avg	Avg	
Exc	Avg	
Exc	AVR	
Exc	Exc	
Exc	Exc	
Exc	Ave	
Exc	Exc	
	Avg Exc Exc Exc Exc Exc Exc Exc Exc Exc Exc	

COLUMBIA RIVER DRAINAGE MON1ANA MOUNTAIN SNOW WATER EQUIVALENT

Above average snowpack

70-90%

Under 70%

## in high and low elevations

March snowfall was above average in most drainages. Low elevation snow courses have well above average snowpack due to good snowfall and less than normal melt at these elevations. The Continental Divide from Butte to Glacier Park received large increases in water content during March.

Presently, all drainages have near or above average amounts of water stored in the mountain snowpack.

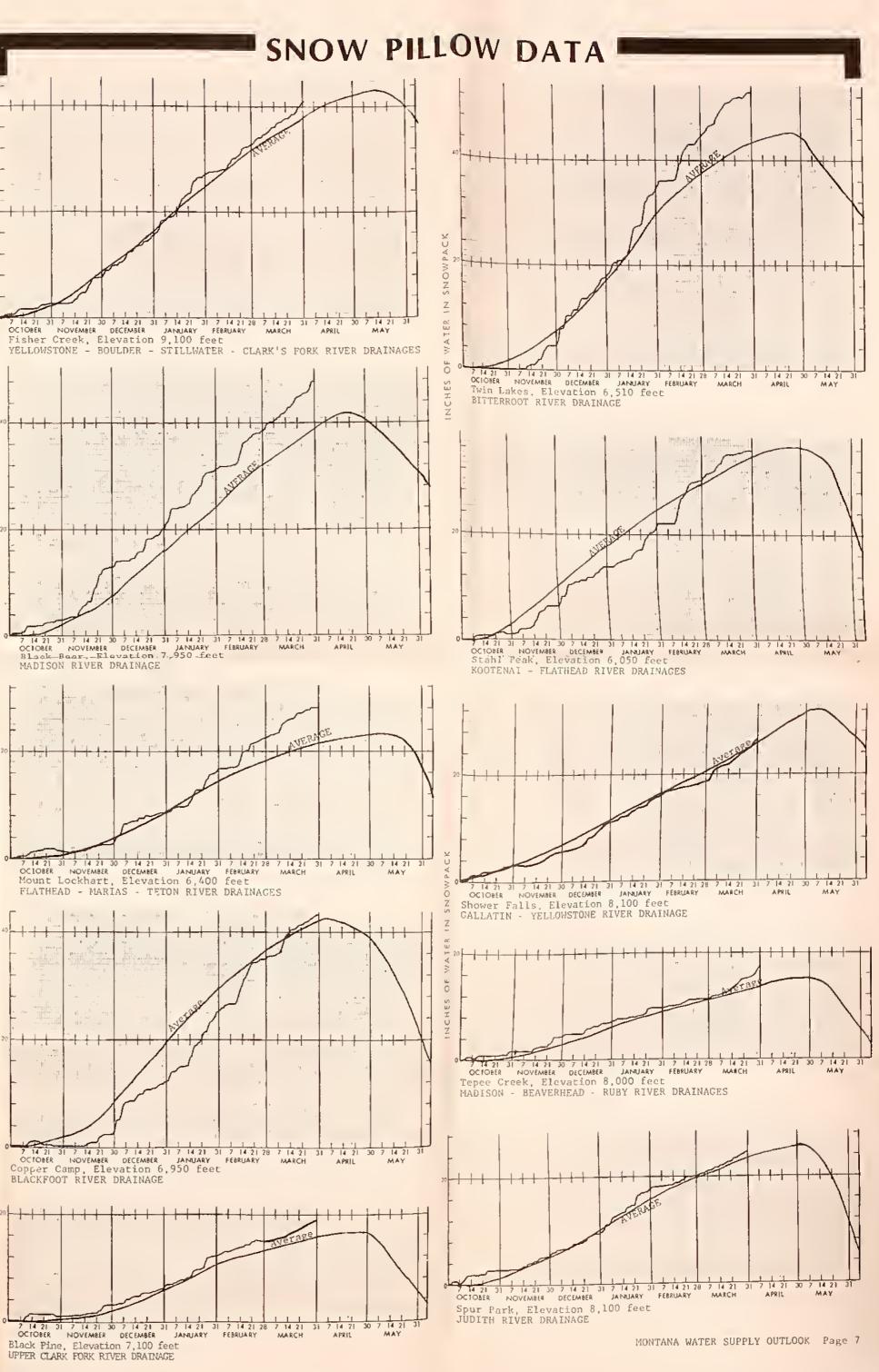
The Bitterroot and Upper Clark Fork continue to show well above average Snow cover.

Mountain soils under the snowpack have near to below average moisture.

AAAAAA S ... AAAAAA



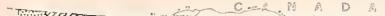
Big game animals must forage through the snowpark that has accumulated on their winter range.

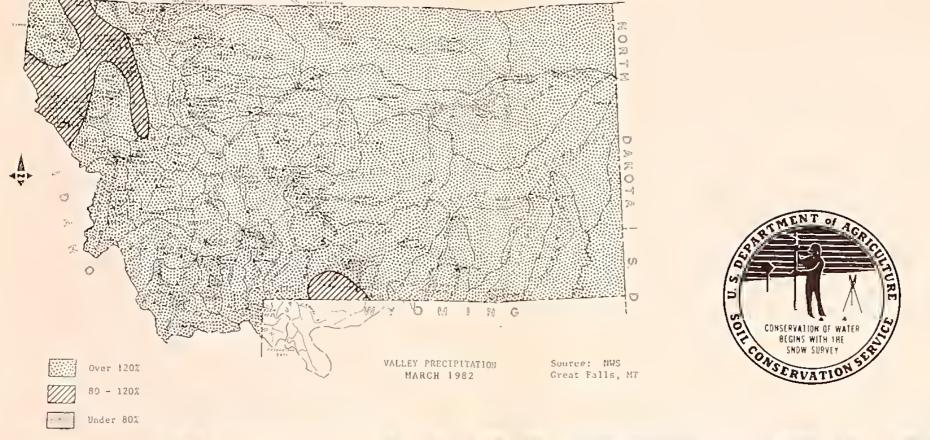


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20-110 %	~~
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### RESERVOIR STORAGE (Thousand Acre Feet) END OF HONTH March 31, 1982 Average based on 1963-77 period. T

Utable Storage					
Basin or Stream	RESERVOR	Casecity	This Year	Lasr Year	Arrigh
	COLUMBIA				
Kootenai	Koocanusa	5,748.2	1,904.0	2,014.0	
Flathead	Hungry Horse	3,451.0	2,158.0	2,646.0	2,016.0
	Flathead Lake	1,791.0	750.4	745.6	775.7
	Camas (4)	45.2	27.0	28.0	23.8
	Mission Valley (8)	100.3	24.4	44.2	41.1
Clark Fork	Georgetown Lake	31.0	28.5	28.0	24.0
	Lower Willow Creek	4.9		2.7	1.9
	Nevada Creek	12.6	8.9	9.0	7.9
	Noxon Rapids	334.6	312.1	158.7	191.9
Bitterroot	Painted Rocks	31.7			17.6
DIGULILOUU	Como	34.9			15.6
	00110	3.112			
	HISSOURI				
Beaverhead	Lima	84.0	29.0	55.2	42.6
	Clark Canyon	257.2	167.3	170,8	143.7
Ruby	Ruby	38.8		36.5	30.9
Madison	Hebgen Lake	377.5	260.8	277.2	245.5
	Ennis Lake	41.0	30.1	31.6	34.4
Gallatin	Middle Creek	8,0	3.8	4.4	4.0
Missouri	Canyon Ferry	2,043.0	1,436.0	1,569.0	1,527.0
	Hauser & Helena	61.9	63.0	63.0	59.8
	Lake Helena	10.4	10.9	10.9	9.8
	Holter Lake	81.9	77.2	15.1	66.2
	Fort Peck Lake	18,910.0	14,200.0	14,820.0	15,480.0
Smith	Smith River	10.6	8.1	6.8	7.7
	Newlan Creek	12.4	10.2	10.0	
Musselshell	Bair	7.0	4.6	5.1	5.4
	Martinsdale	23.1	11.8	10.9	10.1
	Deadman's Basin	72.2		61.4	52,6
Sun	Gibson	99.1	56.2	61.9	47.0
	Willow Creek	32.2	24.7	20.5	22.8
	Pishkun	32.0	19.8	26.4	16.5
Harias	Lower Two Medicine	11.9		12.0	6.9
	Four Horns	19.2		11.2	12.3
	Swift	30.0	12.0	22.9	16.9
	Lake Frances	111.9	78.4	79.9	71.9
Milk	Elwell (Tiber)	1,347.0	535.2	510.9	551.9
	Beaver Creek	3.5	2.5	1.8	1.9
	Fresno	127.2	54.9	59.9	89.1
	Nelson	66.8	35.6	24.5	41.5
		0010			
	HUDSON BA	Y			
St. Mary's	Lake Sherburne	64.3	20.8	17.2	25.1
	YELLOWSTON	E			
Stillwater	Mystic Lake	21.0	0.6		4.3
Clark's Fork	Cooney	27.4	3.1		16.4
Tongue	Tongue River	68.0	18.4	17.1	44.0
Bighorn	Bighorn Lake	1,356.0	836.0	847.4	552.1

## SATELLITE SNOW COVER Canyon Ferry Reservoir MISSOURI RIVER BASIN Above Canyon Ferry Dam U Bozeman 🖲 DATA PROVIDED BY NOAA/NESS Snow Covered Area Scale 1:2,500,000 AVERAGE SNOWLINE PERCENT ELEVATION

DATE	SNOW COVER	IN FEET
November 8, 1981	9.5	8535
November 19, 1981	53	6530
November 26, 1981	100	3800
November 29, 1981	100	3800
Oecember 7, 1981	71	5770
December 17, 1981	100	3800
December 20, 1981	91	4680
December 29, 1981	95	4380
January 6, 1982	96	4300
January 10, 1982	91	4680
January 17, 1982	100	3800
February 3, 1982	100	3800
February 18, 1982	76	5540
February 24, 1982	88	4890
February 28, 1982	76	5540
March 5, 1982	95	4380
March 13, 1982	59	6290
March 21, 1982	100	3800
March 25, 1982	91	4680

## AGENCIES AND ORGANIZATIONS COOPERATING IN MONTANA SNOW SURVEYS

GOVERNMENT AGENCIES	
Canada	
Department of the Environ	ment
Atmospheric Environmen	t Service
Water Management Servie	ce
British Columbia Ministry	of Environment
inventory and Engineer:	ing Branch, Hydrology Section
Alberta chvironment	
Technical Services Div	iston
Federal	
Department of the Army	- Corns of Engineers
Department of Agriculture	- Forest Service
	- Soil Conservation Service
Department of Commerce	- Notional Environmental Catally -
- · · · · · · · · · · · · · · · · · · ·	- National Environmental Satellite Service - National Weather Service
Department of Interior	
solver our of the citof	- Bureau of Indian Affairs
	- Fish and Wildlife Service
	- Geological Survey
	- National Park Service
	- Bureau of Reclamation
Department of Energy	- Bonneville Power Administration

STATE AGENCIES Nontana Conservation Districts Montana Department of Fish, Wildlife and Parks Montana Department of Natural Resources and Conservation Montana State University - Agricultural Experiment Station University of Montana - School of Forestry

PRIVATE ORGANIZATIONS The Annconda Company Big Sky of Montana Butte Water Company Flathead Valley Community College Montana Power Company

Other organizations and individuals furnish valuable information for snow survey reports. Their cooporation is gratefully acknowledged.

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