

Basin Water Supply Good

The 1963 water supply outlook for Klamath Basin has improved. Average water supplies are expected for most lands with stored water. A cool, wet April brought generous increases to the higher elevation snowpack and produced much-needed increases in streamflow to build up reservoir storage. Many streams, especially on the east side of the Basin, are still expected to yield "poor" late season water supplies unless above normal rainfall continues during the summer.

Water content of the mountain snowpack increased generously during April. Below normal temperatures allowed an added accumulation of snow when the spring melt would usually have caused a reduction during April. The snowpack is now 66 per cent of the May 1 average and 90 per cent of last year at this time.

Water shed soils are well primed as is indicated by the measurement at Bly Mountain which is now 82 per cent of total capacity.

Reservoir storage averages 113 per cent of last year at this time and 92 per cent of the May 1 average. Clear Lake now holds 155,400 acre feet while last year it held 116,400 acre feet. Gerber Reservoir has 65,100 acre feet in storage and last year it held only 39,100 acre feet.

Upper Klamath Lake now has 554,900 acre feet in storage and last year on May 1 it held 531,400 a.f.

Gerber Reservoir inflow is forecast at 44 per cent of average of 3,000 acre feet for the May-June period.

These forecasts assume normal precipitation and temperature during the remainder of the forecast period. If above normal precipitation continues on the Basin's well-primed watersheds these forecasts will be exceeded.

WATER SUPPLY OUTLOOK				RESERVOIR STORAGE (1,000 Ac. Ft.) May 1, 1963			
STREAM & AREA	FLOW PERIOD	WATER SUPPLY	WATER DEMAND	RESERVOIR	USABLE CAPACITY	MEASURED (End of Month)	PERCENT OF CAPACITY
St. Klamath Valley	April	1,000	1,000	Clear Lake	450.0	155.4	34.5
Lost River (Clear Lake)	April	1,000	1,000	Gerber	140.0	65.1	46.5
Lost River (Gerber)	April	1,000	1,000	Upper Klamath Lake	554.9	554.9	100.0
Lost River (Willow Pass)	April	1,000	1,000				
Sprague River	April	1,000	1,000				
Upper Klamath Lake	April	1,000	1,000				
Williamson River	April	1,000	1,000				

STREAMFLOW FORECASTS (1,000 Ac. Ft.) as of May 1, 1963			
NO.	NAME	FORECAST THIS YEAR	1962-63 AVERAGE
825	Clear Lake Reservoir Inflow	8.0	18.5
825	Gerber Reservoir Inflow	3.0	8.9
1010	Sprague River Chiltons	100	191
1010	Upper Klamath Lake net inflow	280	432
1010	Williamson below Sprague River	168	300

SOIL MOISTURE			
STATION	DEPTH (inches)	DATE	THIS YEAR
Bly Mountain	42	4-26-63	11.5
Quartz Mountain	48	4-26-63	7.3

NOTE: The soil moisture figures published herein are not comparable to those published last year and earlier due to a change in the scale of evaluation. The new figures represent total moisture in the soil rather than moisture available to plants.

Errors: Quartz Mountain soil moisture should have read 7.2 on April 1 instead of 10.3 as published.

(a) Assuming normal meteorological conditions. (b) 1953-57, 55 year period. (c) Not scheduled. (d) Corrected to natural flow. (e) Actual snow depth; water content estimated. (f) Report delayed. (g) From PMR or USBR records of inflow. (h) Fluctuates; average equals to 112.0. (i) Water content partly estimated. (j) Normal current data. (k) Not averaged. (l) 1953-57 adjusted average. (m) Storage for 5 or more years in the base period.

Klamath Watersheds

SNOW

SNOW COURSE			
NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (inches)
Annie Springs	4018	4/28	73
Beatty (PPAL)	4500		
Billie Creek Divide	3500	4/29	0
Bly Mountain	5010	4/28	0
Bly 101 Ranch (PPAL)	4500		
Chumult	4780	4/28	0
Chilowien (PPAL)	4147		
Old Springs Camp	4100		
Crocker Flat (Calif.)	5200		
Crystal (PPAL)	4200		
Diamond-Crater Summit	4600	4/30	48
Diamond Lake Junction (ST)	4500	4/29	0
Dog Hollow	4000		
Finley Corral	4000		
Fort Klamath (PPAL)	4150		
Gerber	4900	4/30	0
Hyatt Prairie Reservoir	4900		
Kirk (PPAL)	4533		
Lake of the Woods	4780	4/26	7
Park Headquarters	8450	4/28	117
Pelican Guard Station	4150	4/29	0
Quartz Mountain	5320	4/28	3
Quartz Mountain (PPAL)	5304	4/24	4
Seven Lakes #1	8400		
Seven Lakes #2	8200		
State Line (Calif.)	5780		
Strawberry	7100	4/28	8
Summer Run	5200		
Washburn	5200		
Wycan Flat	3500		
Yapier Butte	5100		
Yonahweh Hill (PPAL)	4100		
Yonahweh (PPAL)	4800		

Cattle Prospects Aired At Beef Day

How much gold is there in California for Oregon cattlemen? A West Coast livestock authority attempted to answer the question May 22 at Oregon State University's annual Beef Cattle Day.

Reuben Albaugh, an OSU graduate and now extension animal husbandman at U of C, will discuss the future of Oregon beef production from a California viewpoint. Can Oregon meet California's demand for feeder stock to compete with them for the finished market?

Beef cattle feeding in Oregon now generates about \$33 million annually in local economic activity. However, recent OSU studies estimate it would be \$250 million if all beef cattle produced in Oregon were kept here for finishing, with a large per cent of the finished carcasses going to the expanding California retail market. Large numbers of Oregon feeder cattle now go out of state for finishing in other areas that have developed grain feeding industries.

Another key speaker, Dr. G. Burton Wood, OSU agricultural economics department head, will discuss the effect of the European Common Market on the beef industry in Oregon and the nation. A. T. Ralston, animal scientist and chairman of the event, said

4-H News

NORTH KLAMATH LIVESTOCK CLUB

The April meeting of the livestock club was called to order by Neal Buchanan at Sandy, Randy and Jeff Weaver's home. Seven of the eight members were present and one visitor attended. The visitor was Mrs. Weaver.

The national pledge was given by Bobby Buchanan. The 4-H pledge was given by Jeff Weaver. Roll was called. Under old business John Brown and Sandy Weaver were to check at Don's Super Shell service station about things we will need to bring for our car wash. The car wash will be from 10 a.m. to 4 p.m. on May 11. We then appointed a new news reporter—Sandy Weaver. Next we all took a Beef Advancement test, all of us still trying to complete requirements for "Hanch Hand." The club then accepted a scrapbook which is to be kept by the club photographer, Roger Nicholson. We discussed the IFYE program, and decided to give the required 10 cents per person. Under new business, we talked about the fall fair as some new members had questions. The meeting was then adjourned and refreshments were served.

The next meeting will be held at Joe Leonard's home on May 8. Sandy Weaver, News Reporter.

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Milk Inspection Program Praised

The high regard other states have for Oregon's milk inspection program was emphasized to the Oregon Department of Agriculture's Dairy and Consumer Services Division chief, Kenneth E. Carl, recently when he attended the Ninth National Conference on Interstate Milk Shipments held at Memphis, Tenn.

Carl, who served as one of the consultants for a task force group on rating and certification, reports that many state administrators view the Oregon Fluid Milk Act as a model in establishing authority of a state milk regulatory agency and supervisory control over municipal milk inspection services. They are particularly impressed with the uniformity of the service throughout the state.

It was the first time that Oregon has been represented at the conference, because it is only in recent years the state has had

Advisory Board Launches Brucellosis Free Drive

The State Brucellosis Advisory Committee, meeting in Salem April 24, went on record as favoring total eradication of brucellosis (Bang's) at the earliest possible time, starting with counties now ready for certified - free status.

The action was taken after Dr. Glenn B. Rea, Oregon Department of Agriculture veterinary division chief and state veterinarian, reported Washington would probably have live counties certified by July 1; California expects to certify Del Norte County by the same date and Siskiyou, Modoc, and possibly Tehama County by January, 1963; that Idaho has certified its first county and Ne-

vada is ready to go everywhere. The committee also recommended that the State Department of Agriculture waive the 30-day tuberculosis test requirements on cattle coming into Oregon from states west of the Mississippi River if they originate in quarantined herds in modified tuberculosis accredited area.

Other business included a proposal that the Department of Agriculture suggest guidelines for brucellosis and tuberculosis indemnity payments under 1963 legislation and that the department gather information on change of ownership testing and revival of auction yard testing for presentation to the committee.

4-H NEWS

MURRILL COOKING CRUMBS
We met at the home of our leader, Mrs. Dale Moore, on April 24. Patty Hood and Tina Lanza made brownies. While the ones who cooked washed the dishes, the rest of the group looked at cook books and copied a Wacky Cake recipe. Five members were present, one member was absent. The brownies were very good.

At our ninth meeting we talked about the Spring Fair. Our leader, passed out booklets about "How to Master the Art of Making Cookies." Our leader demonstrated how to make quick Scotch rolls. We ate the rolls for refreshments. For the fair we discussed freezing our cookie exhibits.

Tina Lanza, News Reporter.

FLYING NEEDLES

The fourth meeting of the Flying Needles was held on April 16 at the home of Mrs. Hubert Vanderhoff, our leader. Karen Sterns cut out her dress while we all watched so we could do it. All members must have their project material!

The fifth meeting of the Flying Needles was held on April 23. At this meeting we discussed what we were going to do when Miss Bower, 4-H Agent, came to visit our club. Karen Dean and Diane Vanderhoff will give a demonstration.

Juanita Leonard, News Reporter.

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FARM REVIEW AND FORECAST

HERALD AND NEWS, Klamath Falls, Oregon Tuesday, May 21, 1963 PAGE 9

New Turf Grass Added To Seed Growers Crops

A new seed crop has been detailed care. There will be no added to the list of turf grasses registered class for the variety that may offer opportunity for experienced seed growers in the Willamette Valley and in Jackson, Jefferson, Union and Klamath counties.

Kingstown velvet bentgrass, a specialty variety for golf greens and fine lawns in the New England region, is now available in small quantity from Oregon State University agricultural experiment station. It will be allocated to a limited number of Oregon seed growers who can quickly increase the seed for commercial outlets.

The so-called "aristocrat of turf grasses" was developed by the University of Rhode Island experiment station to provide high-quality, close-knit sod for specialty uses in that region. Breeder seed was supplied to OSU for increase under Oregon's favorable conditions for producing quality seed.

Market potential of Kingstown will depend upon commercial acceptance in the Northeast region.

Seed production must be carried out under highly exacting specifications to make maximum use of the few ounces of foundation seed now available, reports Dr. J. Ritchie Cowan, OSU farm crops department head.

Each grower selected to increase the variety will receive a maximum of one ounce of seed at a cost of \$18 an ounce. Properly handled, an ounce should produce as many as 80,000 plants.

Growers should have access to greenhouse or cold frame facilities where seedlings should be grown in flats of sterilized soil, then transplanted in plant beds for vegetative increase, and finally planted as cuttings for field production.

OSU agronomists emphasize that the seed will be expensive to grow, requiring much time and

Good seed cleaning facilities will also be needed since the seed is extremely small — about 12 million seeds per pound or some 30 per cent more seed than contained in a pound of Highland bentgrass.

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