COMPANY SURGEONS

*Dr. Ernest R. Anderson, Asst. Chief Surgeon	Minneapolis, Minn.
*Dr. M. Nerseth	Klamath Falls, Ore.
Dr. Arthur M. Compton .	Klamath Falls, Ore.
*Dr. C. J. Rademacher	Bend, Ore.
Dr. J. C. Vandevert	Bend, Ore.
*Dr. A. O. Meier	Bieber, Cal.

*Designates also Examining Surgeon.

S. H. Snell, Chief Dispatcher.

D. E. Parks, Trainmaster.

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GREAT NORTHERN RAILWAY COMPANY

KLAMATH DIVISION

TIME TABLE 16

EFFECTIVE 12:01 A. M.
PACIFIC TIME

Wednesday January 1, 1958.

R. H. HEMMESCH, Superintendent.

C. M. RASMUSSEN, General Manager.

A. W. CAMPBELL, General Superintendent Transportation.

Printed in U.S.A.

2	W	EST	WARI)				FIRST SUBDIVISION					F	EASTW	ARD
		ar acity		SECON	D CLASS			Time Table No. 16					SECONI	CLASS	
		<u></u>			153	155	from	Effective January 1, 1958	oh Calls	from	SIGNS	156	154		
Station	Siding	Other					Distance	STATIONS	Telegraph	Distance from South Klamath					
	- S	OF			Daily	Daily						Daily	Daily		
BK 0	Yard				L 9.00pm	L 6.00 A m		BEND	ND	144.74	BDNKOP RVWXYZ	а 11.45 A m	A 11.45Pm		
BET	NEE	I BEI	ND DEPO	T AND T	THIRD ST	REET, T	RAIN	S WILL BE GOVERNED BY ORE	GON	TRU	NK RAI	LWAY, T	IMETA	BLE AND	RULES.
214		010			0.05	6.051	0.70	2,79 BEND YARD					11.20-		
BK 3	91	210			9.05Pm 9.28	6.05Am 6.28	2.79 13.01	10.22 LAVA		141.95	PXY	11.39Am 11.24	11.39 _{Pm}		
								11.29		131.73					
BK 24	102	10			9.43	6.43	24.30	7.32 LA PINE	·····	120.44	P	11.07	11.07		
BK 32		15			9.54	6.54	31.62	6.40	NE	113.12	DP	10.56	10.56		
BK 39	107	24			10.05 10.25	7.05	38.02	13.69		106.72	P	10.45	10.45 10.25		
BK 52	120		.		10.25	7.25	51.71	CRESCENT		93.03	P	10.25	10.25		
BK 68	108	47			A 10.57Pm	A 7.57Am	68.34	16.63 CHEMULT	MU	76.40	DNJKP	l 10.00Am	r 10.000		
					1	l	<u> </u>	<u> </u>							
BET	WEE	N CH	EMULT	AND BII	EBER LII	NE JCT.,	TRAI	NS WILL BE GOVERNED BY SO	DUTI	HERN	PACIF	C RY. T	IME TAE	LE AND	RULES.
							144.05	BIEBER LINE JCT		0.69	J BDNKOP				
BK145	Yard	625					144.74	SOUTH KLAMATH	SK		RVWXYZ				
					1.57 35.04	1.57 35.04		Time Over Subdivision Average Speed Per Hour				1.45 39.05	1.45 39.05		
737	TEG1	`WA	מפ		1	\	<u>'</u>	SECOND SUBDIVISION		1			T.	ASTW	APD
**	C			SECONI	D CLASS		<u>`</u>	Time Table No. 16	1					CLASS	
		acity		JEGORE	153	155	rom nath	Effective January 1, 1958	Calls	E	SIGNS	156	154	OLASS	
Station Numbers	B	P SS			155	100	Distance from South Klamath		Telegraph Calls	Distance from Bieber	SIGNS	156	154		
S Z	Siding	Other			Daily	Daily	Sou	STATIONS	Į į	Dist		Daily	Daily		
BK145	Yard	625			L 7.00Am	ь 2.00 р m		SOUTH KLAMATH	sĸ	88.80	BDNKOP RVWXYZ	A 6.15Am	A 5.15Pm		
BK159	69	68			7.18	2.18	14.37	14.37 MERRILL	MR	74.43	DP	5 . 55	4.55		
BK169	100	130			7.29	2.29	23.79	9.42 MALIN	MA	65.01	DP.	5.43	4.43		
	 						30.48	.SOUTHERN PACIFIC RY. CROSSING.		58.32	IM				
BK176	85	43			7.42	2.42	30.89	STRONGHOLD		5 7. 91	P	5.30	4.30		
DV100	100	12			8.04	3.04	43.61	12.72 MAMMOT H		45.10	Р	5.08	4.08		
BK188 BK199	100	14			8.04	3.04	53.80	10.19 KEPHART		45.19 35.00	P	4.53	3.53	•••••	• • • • • • • • • • • • • • • • • • • •
BK210	100	0			8.37	3.37	65.44	11.64 SCARFACE		23.35	P	4.35	3.35		•••••
BK210	69	94			8.55	3.57 3.55	77.56	12.11 LOOKOUT	ко	11.24	DPW	4.17	3.17		• • • • • • • • • • • • • • • • • • • •
BK222 BK234	Yard	319			A 9.15Am		88.80	11.24 BIEBER	BR	11.24	BDNKP	4.17 L 4.00Am			• • • • • • • • • • • • • • • • • • • •
DR234					2.15	2.15		Time Over Subdivision				2.15	2.15		
					39.46	39.46		Average Speed Per Hour				39.46	39.46		

Westward trains are superior to eastward trains of the same class on the first and second subdivisions.

SEE ADDITIONAL SPECIAL INSTRUCTIONS PAGES 3 THROUGH 7.

ALL SUBDIVISIONS

1. SPEED RESTRICTIONS GENERAL.

- (a) Where Automatic Block and Interlocking Rules and Signal Indications require movement at RESTRICTED SPEED, such movements must be made prepared to stop short of train, obstruction, or switch not properly lined and on the lookout for broken rail or anything that may require the speed of a train to be reduced; but not exceeding 15 MPH or as much slower as necessary; and where conditions require the movement must be controlled so stop can be made in time to avoid accident.
- (b) Maximum permissible speed of passenger, freight and mixed trains, will be designated by distinctive reflectorized roadway signs set in an upward angle of 45 degrees.

Except as directly affected by speed restrictions prescribed in Item 1—ALL SUBDIVISIONS—and other speed restrictions covered by Item 2 under individual Subdivisions, the 45 degree signs designate zone speed territories and the numerals thereon indicate in miles per hour the maximum permissible speed which will govern until the next zone sign is reached.

When the movement is from a higher to a lower speed zone, the zone sign is located approximately one mile from the point where the lower speed becomes effective. At the end of this one mile is located a reflectorized angular Restricting Sign, yellow background with black stripes, indicating the point where lower speed becomes effective. Lower speed to govern until entire train passes next zone sign.

When the movement is from a lower to a higher speed zone, the 45 degree sign is located at the point where speed may be increased.

In double track territory, when trains or engines are operated against the current of traffic or when one of the tracks is being used as single track, in either case if the track being used is not signaled for traffic in the direction of the movement, the maximum permissible speed is,

Passenger.... 59 MPH
Freight....... 49 MPH

This does not modify Rule 93.

Further, trains and engines operating under the above conditions must not exceed the maximum permissible speed prescribed by the 45 degree signs with the current of traffic.

On sub-divisions where both passenger and freight trains are operated, the 45 degree sign has two sets of figures. The numerals preceded with the letter "P" apply to passenger trains. The numerals preceded with the letter "F" apply to freight and mixed trains and to passenger trains when handling freight cars, except cars equipped with steel wheels, air signal and steam heat lines. On sub-divisions where normally only freight or mixed trains are operated, the 45 degree sign may have just one set of figures preceded with the letter "F", which applies to all trains.

- (c) Speed shown on Speed Limit Plate on engines must not be exceeded.

 (e) Open cars loaded with poles, piling, lumber, timber, pipe or other lading which might shift, shall be handled as far as possible in pole trains or local trains. Except at points where it is necessary to classify trains, such cars should be placed as close as possible to the head end of the train but shall not be placed immediately next to engines, or immediately next to caboose, occupied outfit cars or passenger cars. These commodities must not be placed in trains at such locations as will conflict with the rules governing the handling of explosives, inflammables or acids.

In double track territory, engineers on trains containing such cars must at all times use extreme care to avoid slack running in or out when passing or being passed by other trains.

On single track, trains containing such cars must be at stop when on siding or adjacent track when meeting or being passed by other trains, except when there are more cars than siding will hold, it is permissible for such train to pull by other train at restricted speed.

2. MOVEMENT OF ENGINES DEAD IN TRAINS.

Diesel and Gas-Electric engines 2303-2350 must be handled on rear of train.

Not less than five cars will be placed between steam engines moving dead in train.

Switcher and road switcher type Diesel engines G.N. numbers 1 through 232, and 600 through 722, moving dead in freight trains are to be handled near rear of train and behind helper engines. Where more than one unit is moved such units must be separated by a freight car.

When towing multiple unit road type Diesel engines dead in freight trains, not more than four adjacent units are to be towed in a single grouping, separated from the road engine and additional groups by not less than five cars.

Trains handling steam engines with side rods on both sides will not exceed speed designated by Superintendent; and without side rods will not exceed 10 MPH.

Engines that have any of the truck or driving wheels removed will not be moved in a train without authority of Superintendent. Trains handling Diesel and Gas-Electric engines in tow dead in train will not exceed following speeds:

- 3. Under Rule 24, engine number only will be displayed in indicators on engines so equipped. This will also apply when our engines are operating over Northern Pacific tracks. Between Klamath Falls and Chemult, Southern Pacific rules will govern.
- 4. When two or more Diesel engine units are coupled together the numerals and suffix letter, where provided, of the leading unit will be illuminated at all times when in service. The numerals and suffix letter of trailing units must not be illuminated.

The numerals and suffix letter of the leading unit only will be used in train orders as prescribed by Consolidated Code Rule 206.

- Gas-Electric engines must not be fueled while occupied by passengers, or coupled to cars occupied by passengers.
- 6. Air hose on engines must be hooked up in hose fastener when not in use.
- 7. EMPLOYEES WILL BE GOVERNED AS FOLLOWS ON ENGINES, PASSENGER AND FREIGHT CARS EQUIPPED WITH ROLLER BEARINGS.

Roller bearing failures on cars or engines equipped with roller bearing journal boxes may be due to lack of oil or grease. If the box is not blazing, the oil plug in the cover should be removed and engine or valve oil added. Oil must never be added to a box that is blazing. Grease lubricated roller bearing boxes have grease plugs locked with metal strap which must be cut off with chisel before plug can be removed. After the oil has been added and plug replaced, the train should proceed at reduced speed and care exercised until it is apparent that the box will run cool. If fire develops in roller bearing box on any equipment, it must be closely watched, train moved slowly, and Superintendent notified from first available point of communication, who will prescribe for the movement.

Some engines and cars equipped with roller bearings have heat indicators or stench bombs inserted in the housing of boxes which release a strong pungent odor in the event of excessive journal box temperatures. When this odor is detected, train must be stopped at once and box located. Compare the temperature of this box with the other boxes on the same engine or car, check the oil level, and if there is no evidence of overheating, train may proceed, but if the box is overheating proceed only as instructed in the preceding paragraph.

Car and engines equipped with roller bearings must not be allowed to stand alone, even on level track, without brakes being adequately applied.

- 8. Omitted.
- Under Rule 2, watches that have been examined and certified to by a designated inspector must be used by train dispatchers and yardmen. Rule 2A of the Consolidated Code of Operating Rules and General Instructions does not apply to employes of the Great Northern Railway.
- Brakemen with less than one year of experience should not be used as flagmen except in emergency, and then Superintendent will be notified by wire.
- 11. When operating snow machines in non-block signal territory, no train should be permitted to follow closer than a station apart, when that cannot be done they will be blocked not less than thirty minutes apart.
- 12. After severe blizzard or dirt storm, employes on first train over road must exercise care to avoid accident caused by striking drift without first having drifts faced with hand shovels, cutting in far enough to get beyond the hard snow and giving a perpendicular wall to strike against instead of slope or wedge-like shape. When operating snow dozer, Conductor in charge will ride in dozer. On snow and dirt dozers every precaution must be taken to see that cage, flangers and wings clear all obstacles when in service and are properly secured when in through trains, and dozers properly turned. Hand screws must be tightened to raise flangers on dozers as high as possible before making a back-up movement, and must not be released until the dozing work is actually to start. Hand screws holding the cage on dozers must be tightened or chains otherwise fastened except when dozer has air in cylinders and is attended by an employe.
- 13. Loaded dump cars should not be handled on double track after dark, but if necessary to do so, close watch must be kept by trainmen and if a car dumps its load, train must be stopped and protection afforded on the opposite track.
- 14. Omitted.

- 15. Conductors will report by wire all flat spots on wheels of passenger cars. Any cars having flat spots on wheels of more than two and one-half inches long must be set out.
- 16. Engineers finding flat spots on diesel engines in excess of two and one-half inches will immediately notify Superintendent who will prescribe for their movement.
- 17. Due to limited overhead clearance at tunnels and structures, employes are warned to keep off top of cars of extreme height and width when handled in trains and yards, also such standing cars in electrified zone, except in emergency. In absence of previous advice on such cars, wire proper officer for instructions.
- 18. The Railway Company is responsible for proper handling of perishable freight on road and at points where Western Fruit Express Company does not maintain representatives. Conductors on trains handling perishable freight will ascertain from waybills class of service required and light or extinguish heaters and manipulate vents in accordance with current instructions provided for handling perishable freight issued by the National Perishable Freight Committee.
- Placarded loaded tank cars handled in through freight trains shall not be nearer than 6th car from engine, occupied caboose or passenger car.

Cars placarded "Explosives", "Inflammable", "Corrosive Liquids", or "Poison Gas" handled in through freight trains, local and mixed trains, shall not be nearer than 16th car from engine, occupied caboose or passenger car.

When length of train will not permit handling of cars as prescribed above—ANY PLACARDED CAR, loaded with above commodities—shall be placed near middle of train, but not nearer than 2nd car from engine, occupied caboose or passenger car.

When switching such cars in terminal yards they must be separated from engine by at least one non-placarded car.

When placarded cars described above are handled in freight trains made up in "blocks" or classifications, placarded car or cars shall be placed near middle of the "block" or classification, but not nearer than 6th car from engine, occupied caboose or passenger car.

When such placarded cars are placed in trains they must not be placed next to each other, next to refrigerators equipped with gas-burning heaters, stoves or lanterns, or next to loaded flat cars, or gondola cars containing lading higher than ends of car that is liable to shift.

Carload express shipments of explosives, sealed and placarded, may be handled on passenger trains; LCL shipments may be made in so-called peddler car with messenger in charge when such car is assigned to the handling of express and baggage exclusively.

Terminal or pick-up points enroute must furnish conductor and engineer Form 250 showing consecutively location in train of all cars placarded "Explosives". At points other than terminals where crews change, notice will be transferred from crew to crew.

Employes will be guided by further instructions governing handling of loaded tank cars, Explosives, Inflammables, Corrosive Liquids, and Poison Gas found in I. C. C. Regulations and Consolidated Code Rules 726(C) and 808.

- 20. In automatic Block Signal Territory, the absence of the lunar light on a spring switch signal, Rule 501 E, page 114, of the Consolidated Code, will not be regarded as an imperfectly displayed signal, as prescribed by Rule 27, when the Automatic Block Signal governing movement over such switch indicates "Proceed". This does not modify Rule D-524.
- 21. The normal position of a spring switch with facing point lock is identified by a color light type signal displaying a "lunar white" light for train or engine movements in a trailing point direction and for movements in facing point direction when conditions require.

The normal position of a spring switch without facing point lock is identified by a triangular yellow target on switch stand with letter "S" in black, and "lunar white" light in switch lamp in place of green light displayed in both directions through or over the switch.

Trains departing from stations, either from siding or main track, in trailing point movement actuating points of spring switches, a member of crew must observe indication of governing signal in opposite direction after rear end of train has passed through switch to ascertain if switch points return to normal position. If this signal indicates Stop and no immediate train movement or other cause is evident report the fact to Superintendent from first available point of communication.

During and immediately following snow storms or violent wind storms, spring switches must be operated by hand and relined to normal position before heading out through switch in trailing point movement, actuating switch points, to insure switch is in proper operating condition.

INDICATORS AT SPRING SWITCHES.

Spring switch indicators consisting of a red and yellow light unit or a single yellow light unit (all units normally dark) mounted on an iron mast is located at the clearance point of a siding. The switch-key-controller mounted on the mast must be operated by a member of the crew who, together with engineer, must observe and be governed by its indication before fouling main track or making movement from siding to main track through a spring switch in automatic signal territory, unless the movement is made immediately after an opposing train has passed the switch and Automatic Signal at leaving end of siding indicates "Proceed".

If Indicator displays a yellow light when switch-key-controller is operated, train or engine movement to main track may be made immediately in accordance with train rights and operating rules. Display of yellow light must continue until leading wheels have passed clearance point.

If Indicator does not display a yellow light when switch-keycontroller is operated, train or engine movement to main track may be made in accordance with train rights and operating rules, after operating spring switch by hand; waiting three minutes and taking every precaution to provide proper protection.

To operate Switch Indicator, insert switch key in controller and turn clockwise toward "R", hold a few seconds, and remove key. If yellow light is displayed and intended movement is not made, insert switch key in controller and turn counter-clockwise toward "N" to restore signal system to normal condition to avoid delay to trains on main track.

Switch-key-controller must never be operated toward "N" after having been operated toward "R" if intended movement to main track is to be made.

- 22. Facing point locks on hand operated switches are indicated by a six-inch yellow stripe painted on target staff. Be positive locking device is restored to normal position after using. A running switch must not be made through this type switch.
- 23. DRAGGING EQUIPMENT DETECTOR INDICATOR consists of a single white light unit (normally dark) with a circular background mounted on signal or other mast. When white light is displayed, train must be stopped and inspected for dragging equipment. Notify Superintendent from first available point of communication.
- 24. Rule 204(A) prescribes that copies of train orders will be furnished the rear trainman, such orders will only be furnished on trains designated: Nos. 3, 4, 7, 8, 9, 10, 31, 32, and sections thereof; also extra passenger trains whether operated as section of regular train or as a passenger extra.
- 25. OSCILLATING EMERGENCY RED HEADLIGHT will be immediately displayed by day or night when a train is disabled or stopped suddenly by an emergency application of air brakes or when engineer and conductor find it necessary to stop train due to some defect which might cause accident, over-running clearance point at meeting and waiting points, end of double track or junction.

Engineer of an approaching train observing display of emergency red headlight must stop before passing and be governed by conditions existing. If operating on adjacent track, ascertain and if safe for passage, then proceed at restricted speed until train is passed.

OSCILLATING EMERGENCY RED REAR END LIGHT is of two types—Automatic Control—Portable Manual Control—and except as otherwise provided, must be displayed by day or night each time train stops or is running at speed less than 18 MPH. Automatic Control type automatically functions in this manner. However, when train running at speed above 18 MPH and moving under circumstances in which it might be overtaken by another train or engine and during foggy and stormy weather, light may be operated manually with emergency switch and employes to afford other protection prescribed by rule.

THE USE OF EMERGENCY RED HEADLIGHT AND REAR END LIGHT DOES NOT IN ANY WAY RELIEVE ENGINEMEN AND TRAINMEN FROM RESPONSIBILITY OF COMPLYING WITH RULES 99 AND 102.

Emergency red rear end light must be extinguished under the following conditions:

When standing at initial and final terminal of run.

When train is being switched from rear.

When train is in the clear on siding.

When operating on double track, or two or more main track territory, where another train is approaching from the rear on an adjacent main track, but not until it is known such train is not on same track.

Portable light must be removed before coupling to rear of such car.

Oscillating white light on engines will be displayed in addition to standard headlight governed by Rules 17 and 17(B). In case of headlight failure it can be used as emergency headlight or as a focus light by push button control if desired.

Enginemen and trainmen on trains and engines equipped with oscillating emergency red lights must familiarize themselves with the operation of the lights.

- 26. Rule D-97 is in effect on this division.
- 27. Trains handling flat or skeleton cars loaded with logs must stop at appropriate locations immediately before passing over through-truss bridges or through tunnels and make thorough inspection of all cars of logs in their train, making certain train and lading are in safe condition before proceeding. Extra stops enroute will be made for this purpose when in the judgment of the conductor it is necessary.

Trainmen must maintain watch behind their trains for logs that may have rolled off cars and if main track is fouled take prompt action to protect trains.

On double track, conductors must notify train dispatcher when logs are to be handled and the log train must be at stop when being passed by other trains, except that when two trains handling logs are passed, either one should stop until the other train has pulled by whether on siding or double track.

On single track, trains handling logs must be at stop when meeting or being passed by passenger and freight trains, except when there are more cars than siding will hold, it is permissible for log train to pull by such trains at restricted speed.

Unless conditions require further speed restrictions, trains handling logs must not exceed 25 MPH.

28. Rule 19, figures 2 to 9 inclusive and rule 19B are supplemented

When the rear car of a passenger train is equipped with built-in electric markers, or when the rear unit of an engine, moving light, is equipped with electric signal lamps, they must be lighted by day and by night to be considered as markers. The requirement for showing green to the front, or direction of movement, and green to the side will not apply. The built-in electric markers, or electric signal lamps used as markers must not be extinguished until the train has arrived at the final terminal of run, or is in the clear of the main track at the terminal and switch closed.

FIRST SUBDIVISION

(Main Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Freight Bend and Chemult 50 MPH

2. SPEED RESTRICTIONS.

Klamath Falls, Lake Ewauna Drawbridge...... 10 MPH

3. TRAIN REGISTER EXCEPTIONS.

Chemult, all trains register by ticket.

SECOND SUBDIVISION

(Main Line)

1. MAXIMUM PERMISSIBLE SPEED FOR TRAINS.

Freight South Klamath and Bieber 50 MPH

2. SPEED RESTRICTIONS.

Between Home Signals of Interlocking at:30 MPH Stronghold.

3. AUTOMATIC INTERLOCKINGS.

4. Merrill, Main Street crossing is equipped with Griswold signals which automatically give stop indication to highway vehicles on approach of train. To permit the movement of highway traffic, when necessary for train to stand in circuit, crossing signal may be cleared by inserting switch key into key controller mounted on highway side of signal case and turning to right to position marked "R" (reverse). If necessary to again move train over crossing signals should be restored to "Stop" by turning key to left to position marked "N" (normal). When key controller has been used signals return to automatic operation as soon as approach circuits are cleared.

KLAMATH FALLS TERMINAL

1. RESTRICTED CLEARANCES.

Klamath Falls, following structures will not clear man on side of car:

Freight house, automobile platform. Tillman Booth warehouse, South Sixth Street.

ceded by a flagman across drawbridge.

Platform on Copco Spur. Browskids on Klamath Basin Pine Mills and Kalpine log dumps.

Draw span over Lake Ewauna. Klamath Basin Pine Mills, Crane Shed track.

Klamath Falls, tracks serving Weyerhaeuser Timber Company have rail braces applied between rails at certain locations which are protected by signs. These braces will not clear flangers of

snow dozers.

Klamath Falls, draw bridge over Lake Ewauna. Trains and engines must stop before crossing draw span and be governed by indication of the color light type signal. Yellow light indicates that draw span is in safe position for rail traffic. Red light indicates that draw span is not in safe position for rail traffic. If the red light is displayed or in the absence of a light when draw span appears to be in proper position for rail traffic, movement may be made at restricted speed when pre-

WATCH INSPECTORS

J.	C.	Re	nie	Klamath	Falls,	Ore
Sy	mo	ns :	Bros	3	Bend,	Ore

SPEED TABLE

Time Per Mile Miles Min. Sec. Per Hour	Time Per Mile Miles Min. Sec. Per Hour	
	Min. Sec. Per Hour	
$egin{array}{cccccccccccccccccccccccccccccccccccc$		
1 10 51.4 1 12 50.0 1 14 48.6 1 16 47.4	7 — 8.5 8 — 7.5 9 — 6.7 10 — 6.0	

BUSINESS TRACKS NOT SHOWN AS STATIONS ON TIME TABLE.

Name	Location	Capacity Cars	Switch Opens	
First Subdivision.				
La Pine Wye Shevlin Jct. Fremont Klamath Falls (GN Depot)	34 Miles West La Pine 3.17 Miles West Beal 7.09 Miles West Beal 2.72 Miles East South Klamath	340 140 14 468	E & W E & W E & W E & W	
Second Subdivision.				
Henley Dehlinger Berry Spur Stonebridge Adams Point Kalina Dalton Suty Hannchen Kandra Ainshea Butte Tionesta Hollenbeck Finney Logging Co. Spur	3.85 Miles West South Klamath 6.95 Miles West South Klamath 7.33 Miles West South Klamath 1.89 Miles West Merrill 5.94 Miles West Merrill 1.00 Mile West Malin 4.92 Miles West Malin 2.15 Miles West Stronghold 4.52 Miles West Stronghold 5.22 Miles West Stronghold 3.72 Miles West Stronghold 3.72 Miles West Mammoth 6.10 Miles West Mammoth 3.00 Miles East Scarface 1.85 Miles East Bieber	26 24 20 27 46 10 60 20 21 42 270 40 46 50	E & W E & W West E & W West E & W West E & W E & W E & W E & W E & W E & W E & W	

Page 8 (outside back cover) blank.