

# GREAT NORTHERN RAILWAY LINE

GREAT NORTHERN RAILWAY

## CASCADE DIVISION

# TIME TABLE No. 58

TO TAKE EFFECT AT TWELVE-ONE (12:01) O'CLOCK A. M.

## SUNDAY, JULY 22, 1906.

THIS TIME TABLE IS FOR THE USE OF EMPLOYEES ONLY.

DESTROY ALL PREVIOUS TIME TABLES.

W. D. SCOTT, Superintendent.

H. A. KENNEDY, Asst. General Superintendent.

R. W. BRYAN, General Supt. Transportation.

GEO. T. SLADE, General Superintendent.

F. E. WARD, General Manager.

THIRD CLASS.		SECOND CLASS.		FIRST CLASS.			Car Capacity of Shilling.	Distance from Leavenworth	TIME TABLE No. 58. IN EFFECT JULY 22, 1906.				Distance from Delta.	Water, Coal, Wagon, and Crainine.	FIRST CLASS.			SECOND CLASS.		THIRD CLASS.	
713	711	401	277	3	1	2			4	278	402	712			714	Passenger	Passenger	Passenger	Fast Freight	Way Freight	Way Freight
Way Freight Leave Daily	Way Freight Leave Daily	Fast Freight Leave Daily	Passenger Leave Daily	Passenger Leave Daily	Passenger Leave Daily	Arrive Daily			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily			Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily
STATIONS.																					
	7:00pm	2:25pm			12:40am	1:05pm	231		DN-R	LEAVENWORTH	CB	107.6	WCT	3:45pm	2:25am		4:30pm	12:20am			
	7:40	3:28			12:58	1:25	42	6.3		DRURY		101.3		3:28	2:08		4:00	11:50			
	8:05	3:45			1:10	1:38	89	10.5	DN	CHIWAUKUM	CY	97.1	W	3:18	1:57		3:45	11:30			
	8:35	4:15			1:25	1:53	55	17.5		NASON CREEK		90.1		3:02	1:42		3:15	11:00			
	9:05	4:45			1:35	2:05	55	20.5	DN	MERRITT	CK	67.1	W	2:56	1:35		2:56	10:45			
	9:40	5:25			1:50	2:20	43	24.9		GAYNOR		82.7		2:46	1:20		2:20	10:30			
	10:15	5:55			2:03	2:37	42	28.0	D	BERNE	BR	79.6	W	2:37	1:11		1:55	10:15			
	11:10	6:50			2:20	2:55	214	32.3	DN-R	CASCADE TUNNEL	CN	75.3	WT	2:25	1:00		1:35	9:50			
	11:30	7:05			2:30	3:07	92	35.9	DN	WELLINGTON	WN	71.7	WC	2:10	12:46		12:30pm	8:50			
	11:50	7:20			2:40	3:17	65	39.5	D	ALVIN	NY	68.1	W	1:56	12:32		11:55	8:05			
	12:23am	7:35			2:49	3:25	35	42.2		COREA		65.4		1:47	12:23		11:25	7:35			
	12:40	7:50			3:00	3:37	53	45.2	DN	SCRNIC	MA	62.4	W	1:35	12:10am		10:55	6:55			
	12:55	8:05			3:10	3:48	41	48.3		NIPPON		59.3	W	1:19	11:54		10:10	6:10			
	1:10	8:20			3:20	3:56	30	51.8		TONGA		55.8		1:07	11:42		9:40	5:40			
6:30am	1:30am	8:40 9:10		6:00am	3:34 3:40	4:10 4:15	145	57.0	DN-R	SKYKOMISH	KY	50.8	WCTY	12:50 12:45	11:25 11:20	10:20pm	9:00 8:15	5:00pm	3:10pm		
6:55		9:30		6:12	3:50	4:25	68	61.1		GROTO		46.5		12:35	11:10	10:08	7:50	2:40			
7:25		9:56		6:25	4:00	4:35	69	66.1		HALFORD		41.5	W	12:24	10:50	9:56	7:13	2:10			
8:05		10:10		6:40	4:12	4:47	56	71.2	DN	INDEX	NX	36.4		12:10pm	10:44	9:45	6:40	1:20			
8:30		10:29		6:50	4:22	4:56	81	76.3		ROBY		31.3	W	11:55	10:29	9:30	5:45	12:20pm			
9:15		10:50		7:00	4:28	5:05	113	80.0	D	GOLD BAR	GB	27.6		11:45	10:20	9:22	5:10	11:45			
				7:08	4:33	5:10	17	82.4		STARTUP		25.2		11:39	10:15	9:14					
10:15		11:20		7:18	4:43	5:18	76	85.8	DN	SULTAN	SU	21.8		11:33	10:10	9:05	4:43	10:15			
11:17		11:50		7:35	5:00	5:31	88	93.3	DN	MONROE	RO	14.3	W	11:17	9:54	8:50	4:10	9:15			
12:20pm		12:20am		7:57	5:16	5:44	83	100.2	DN	SNOWHISH	S	7.4		11:01	9:40	8:35	3:45	7:57			
12:50		12:50		8:10	5:26	5:54	34	106.0	DN-R	LOWELL	W	1.6		10:48	9:29	8:20	3:25	7:20			
				8:14am	5:30am	6:00pm		107.6		PACIFIC AVENUE				10:45am	9:25pm	8:15pm					
1:20pm		1:30am					670	106.7	DN-R	Via N. P. Ry. DELTA	PG		WCT OS				3:00am				
Arrive Daily	Arrive Daily	Arrive Daily		Arrive Daily	Arrive Daily	Arrive Daily								Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily		
713	711	401		277	3	1								2	4	278	402	712	714		
6:50	6:30	11:05		2:14	4:50	4:55								5:00	2:00	2:05	13:30	7:20	8:25		
7:4	8:8	9:8		22.7	22.3	21.9								21.5	21.5	24.3	8:0	7:8	6:0		

Freight Trains will use Northern Pacific tracks between Lowell and Delta, and will be governed by N. P. time table between these points.

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS. (See Rule 43.)

All trains will be handled under absolute control and without regard to making schedule time at all points where land or snow slides or falling rocks are liable to be encountered. Trains must not follow each other out of stations less than 15 minutes apart. Destroy all time Tables of previous date. (See Rule 5.) All trains must register their arrival and departure at Leavenworth, Cascade Tunnel, Skykomish, Lowell and Delta.

Trains in the same direction down grade between Skykomish and Leavenworth must keep at least 25 minutes apart and operators will block trains as provided in this rule. Skykomish will be considered terminal for Nos. 277, 278, 711, 712, 713 and 714. NOTE:—See general rules for operation of trains through Cascade Tunnel. All trains will reduce speed to eight miles per hour through Martin Creek Tunnel.

WEST BOUND.

SECOND DISTRICT—PACIFIC AVENUE TO SEATTLE.

EAST BOUND.

THIRD CLASS.		FIRST CLASS.						Car Capacity of Siding.	Distance from Pacific Avenue.	TIME TABLE No. 58. IN EFFECT JULY 22, 1906.		Distance from Seattle.	Water, Coal, Wrecks, and Cranes.	FIRST CLASS.						THIRD CLASS.		
719	717	277	275	273	271	3	1			STATIONS.				2	4	272	274	276	278	718	720	
Way Freight	Way Freight	Passenger	Passenger	Passenger	Passenger	Passenger	Passenger							Passenger	Passenger	Passenger	Passenger	Way Freight	Way Freight			
Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily							Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily			
		8.14am	<sup>274</sup> 10.05am	2.22pm	8.39pm	5.30am	<sup>272</sup> 6.00pm	127		DN-R	PACIFIC AVENUE	D	34.2	Y	10.45am	9.25pm	<sup>1</sup> 6.00pm	<sup>275</sup> 10.05am	7.05pm	5.15pm		
		8.28	10.15	2.32	8.40	5.40	6.18		1.1	DN-R	<sup>1.1</sup> EVERETT	ND	33.1		10.41	9.21	5.55	10.00	7.00	5.10		
<sup>2</sup> 10.36am	4.00am	8.30	10.17	2.34	8.42	5.42	6.15		1.9		<sup>0.8</sup> EVERETT JUNCTION		32.3		<sup>719</sup> 10.36	9.15	5.49	9.50	6.51	7.58	5.25pm	12.25am
11.10	4.15	8.38	<sup>2</sup> 10.29	2.44	8.50	5.51	6.24	51	5.7	D	<sup>3.8</sup> MUKILTEO	MU	28.5		<sup>275</sup> 10.29	9.09	5.41	9.42	6.45	7.50	5.05	12.10am
11.30	4.35	8.47	10.40	2.54	<sup>4</sup> 9.00	6.00	<sup>276</sup> 6.35	65	9.9		<sup>4.2</sup> MOSHER		24.3		10.22	<sup>271</sup> 9.00	5.31	9.33	<sup>1</sup> 6.35	7.37	4.30	11.50
11.45	4.45	8.53	10.50	3.00	9.06	6.05	6.44	55	12.6		<sup>2.7</sup> MEADOWDALE		21.6		10.17	8.54	5.26	9.27	6.28	7.28	4.15	11.40
12.15pm	5.00	9.04	11.01	3.10	9.15	6.13	6.58	103	16.8	DN	<sup>4.2</sup> EDMONDS	DR	17.4	W	10.10	8.45	5.18	9.18	6.18	7.17	3.50	11.25
12.40	5.10	<sup>274</sup> 9.11	11.09	<sup>716</sup> 3.17	9.22	6.21	<sup>278</sup> 7.08	58	19.8		<sup>3.0</sup> RICHMOND BEACH		14.4		10.05	8.38	5.12	<sup>277</sup> 9.11	6.09	<sup>1</sup> 7.08	<sup>271</sup> 3.17	11.10
1.10	5.30	9.30	11.24	3.31	9.35	6.35	7.22	26	26.0		<sup>6.2</sup> METUM		8.2		9.53	8.26	4.59	8.55	5.55	6.55	2.25	10.45
1.20	5.40	9.40	11.31	3.40	9.42	6.42	7.28	102	28.9		<sup>2.9</sup> BALLARD	BD	5.3		9.48	8.18	4.52	8.48	5.48	6.43	2.10	10.35
1.30pm	5.50am	<sup>2</sup> 9.45	11.35	3.45	9.45	6.45	7.30	706	30.0	DN-R	<sup>1.1</sup> INTERBAY	RB	4.2	WCTO	<sup>277</sup> 9.45	8.15	4.50	8.45	5.45	6.45	2.00pm	10.30pm
		9.50	11.40	3.50	9.50	6.50	7.35	100	31.7	D	<sup>1.7</sup> G. N. DOCK	DK	2.5		9.40	8.10	4.45	8.40	5.40	6.40		
		10.00am	11.50am	4.00pm	10.00pm	7.00am	7.45pm	538	34.2	DN-R	<sup>2.5</sup> SEATTLE	UD	0		9.30am	8.00pm	4.35pm	8.30am	5.30pm	6.30pm		
Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily							Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily
2.54	1.50	1.51	1.45	1.38	1.28	1.30	1.45							2	4	272	274	276	278	718	720	
11.7	15.4	18.5	19.5	21.0	23.3	22.8	19.5							1.15	1.25	1.25	1.35	1.35	1.45	3.25	1.55	
														27.1	24.3	24.3	21.6	21.5	19.8	8.2	14.6	

WEST BOUND TRAINS ARE SUPERIOR TO EAST BOUND TRAINS OF THE SAME CLASS. (See Rule 43.)

All trains will be handled under absolute control and without regard to making schedule time at all points where land or snow slides or falling rock are liable to be encountered.  
 Trains must not follow each other out of stations less than 15 minutes apart.  
 Destroy all Time Tables of previous date. (See Rule 5.)  
 Trains No. 273 and 274 will stop on signal for passengers at the Great Northern Clay Co.'s works at M. P. 10, between Metum and Richmond Beach.  
 Ballard, Edmonds and Mukilteo will be flag stops for No. 2 to take passengers destined Spokane or points east.  
 All trains must use 15 minutes between Seattle and Interbay.  
 All trains must register their arrival and departure at Pacific Av., Everett, Interbay and Seattle.

EAST BOUND.

THIRD DISTRICT—PACIFIC AVENUE TO VANCOUVER.

WEST BOUND.

THIRD CLASS.			SECOND CLASS	FIRST CLASS.			Car Capacity of Sld-Ing.	Distance from Van-couver.	TIME TABLE No. 58. IN EFFECT JULY 22, 1908.		Distance from Delta.	Water, Coal, W. Y. and Daily Drawings.	FIRST CLASS.			SECOND CLASS	THIRD CLASS.			
Way Freight	Way Freight	Mixed Mon. Wed. Fri. Leave Tri-Weekly	Passenger	Passenger	Passenger	272			274	276			398	716	722	Passenger	Passenger	Passenger	Mixed Mon. Wed. Fri. Arrive Tri-Weekly	Way Freight
Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Leave Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily	Arrive Daily		
5.00am			2.10pm		8.35am	274 4.00pm			DN-R	VANCOUVER	VN.	123.7	WCY	10.30pm	271 3.45pm		10.20am		6.15pm	
ALL TRAINS BETWEEN NEW WESTMINSTER AND VANCOUVER WILL BE GOVERNED BY V. W. & Y. TIME TABLE.																				
6.00am			274 3.50pm		722 9.20am	722 4.35pm		13.8	DN-R	NEW WESTMINSTER	NW	109.9		9.55pm	397 3.00pm		275 8.45am		271 4.15pm	
6.10			722 4.00		9.30	4.42	47	15.3		LIVERPOOL		108.4	Y	9.47	2.50		8.35		397 4.00	
					9.35			17.6		BON ACCORD		106.1	WimE		2.43					
6.35		4.25			9.48	4.57	42	24.2		PORT KILLS		99.5		9.30	2.30		8.05		3.25	
7.10		4.40pm			9.59	5.08	44	29.5	D-R	CLOVERDALE	CL.	94.2		9.20	2.18		7.45am		8.00	
					10.10			34.6		HAZELMERE		89.1			2.04					
8.00					10.17	5.19				DOUGLAS, B. C.		86.0		9.08	1.57 722				1.57 274	
8.05					10.18	5.20	27	37.7						9.05	1.54				1.50	
8.10					10.19	5.21			D	BLAINE	BN	85.7	W	9.04	1.55				1.45	
8.50					10.28	5.28	18	35.0						8.56	1.48				12.45	
273 10.43					721 10.43	5.39	42	45.4	D	CUSTER	CU	78.3		8.44	1.34					12.10pm
					10.50			48.1		ENTERPRISE		75.6			1.28					
722 11.30					722 10.58	5.48	42	51.0	D	FERRISDALE	FD.	72.7		8.35	1.21					11.30 274 10.50 721
					11.05			53.3		BRENNAN		70.4			1.15					
12.45pm 1.30 274	8.00am			7.30am	11.25	6.08	150	60.8	D-R	BELLINGHAM	BM	62.9	CWT	8.18	721 1.00	10.00pm		3.30pm	9.45 9.00	
2.10	8.45			7.40	11.37	6.18	42	62.8	D	HARRIS AVE.	FN.	60.9	W	8.10	12.50	9.50		3.15	8.45	
2.35	9.10			7.50	11.48	6.27	87	67.0		CHUCKANUT		56.7		7.58	12.35	9.30		2.35	8.25	
2.55	9.35			722 8.02	12.02pm	6.37	70	72.9		SAMISH		50.8	W	7.48	12.22	9.20		2.05	8.02	
3.10	10.05			8.10	12.12	6.44	67	78.6	D	BOW	BO	47.1		7.41	12.12	9.14		1.40	7.30	
3.30	10.30			8.19	12.22	6.54	30	81.3	R	BELLEVILLE		42.4		7.33	12.02pm	9.02		1.05	7.00	
4.00	10.45 274 11.55 716			8.30	12.35	7.04	100	83.9	D-R	BURLINGTON	Bu	39.8	WYX	7.25	715-716 11.53	8.54		271 12.35pm 274 11.20 71A	6.40	
4.30	273 12.50pm			8.41	12.50	7.15	80	85.0	D	MT. VERNON	MR.	35.7		7.15	11.38	8.42		10.55	6.00	
5.00	1.20			8.52	1.04	7.24	84	93.4	D	FIR	FR	30.3		7.04	11.23	8.28		10.10	5.40	
5.35	2.10			716 9.08	1.20	7.36	100	100.5	D	STARWOOD	B	23.2		6.53	11.09	8.15		275 9.08	5.15	
6.00	3.00			9.18	1.34	7.47	29	106.0	D	SILVANA	SA	17.7	W	6.44	10.55	8.03		8.15	4.55	
273 6.36	3.30			9.28	1.42	7.55	79	110.0		ENGLISH		13.7		721 6.36	10.47	7.51		7.40	4.40	
7.00	4.20			9.40	1.57	8.09	95	117.1	D	MARYSVILLE	MS.	6.6		6.24	10.32	7.38		7.00	4.10	
276 7.20pm	5.00pm			9.55	2.12	8.24	670	121.0	DN-R	DELTA	PD.	2.7	WCTO	6.15	10.20	7.22		6.15am	3.45am	

ALL TRAINS WILL USE NORTHERN PACIFIC TRACKS BETWEEN DELTA AND N. P. JUNCTION—1.2 MILES.

Arrive Daily	Arrive Daily	Arrive Tri-Weekly	Arrive Daily	Arrive Daily	Arrive Daily					Leave Daily	Leave Daily	Leave Daily	Leave Tri-Weekly	Leave Daily	Leave Daily
721	715	397	275	273	271					272	274	276	398	716	722
14.20 8.4	9.0 6.7	2.30 11.8	2.35 24.3	5.47 21.4	4.32 27.3					4.30 27.5	5.40 21.8	3.55 21.5	2.35 11.0	9.15 6.5	14.30 8.3

EAST BOUND TRAINS ARE SUPERIOR TO WEST BOUND TRAINS OF THE SAME CLASS. (See Rule 43.)

Switch at Everett Junction will be kept set for Main Line.  
All trains must register their arrival and departure at Pacific Av., N. P. Junction, Delta, Burlington, Belleville, Bellingham, Blaine, Cloverdale, New Westminster.

Seattle and Bellingham are terminals for Nos. 275 and 276.  
Seattle and Vancouver are terminals for Nos. 271, 272, 273 and 274.  
Delta, Bellingham and Vancouver are terminals for Nos. 721 and 722.  
Delta and Bellingham are terminals for Nos. 715 and 716.

## EAST BOUND.

## FOURTH DISTRICT—ANACORTES TO ROCKPORT.

## WEST BOUND.

5

SECOND CLASS.			FIRST CLASS.			Dist. from Rockport.	TIME TABLE No 58. IN EFFECT JULY 22, 1906.			Dist. from Anacortes.	Water Tank, Water Yard, Baker Station and Crossings.	FIRST CLASS.		SECOND CLASS.	
	395			279				280				396			
	Mixed			Passenger	Chs. Capacity of Sid-ing.		Passenger		Mixed			Arrive Daily			
	Leave Daily			Leave Daily			Arrive Daily		Arrive Daily						
	7 00Am			6 45Am	42		D-R	ROCKPORT	RK	53.7	WY	9 00Pm		2 20Pm	
	7 25			6 57	57	5.8		5.8 FABER		47.9		f 8 49		1 45	
	7 50			7 08	42	10.2		4.4 GRASSMERE		43.5	W	f 8 39		1 15	
	8 15			7 20	44	15.5		5.3 BIRDSVIEW		38.2	*	8 27		12 40	
	8 55			7 34	47	20.6	D	5.1 HAMILTON	H	33.1	*	8 15		12 10Pm	
	9 20			7 43		23.9		3.3 LYMAN		29.8	W	8 03		11 20	
	9 50			7 55	22	29.2		5.2 COKEDALE JUNCTION		24.5	f	7 50		10 40	
	10 15 10 50 <sup>396</sup>			8 09	27	32.4	D	3.2 WOOLLEY	WL	21.3	YX	* 7 42		395 10 15	
				8 15	8	34.7		2.3 STERLING		19.0	f	7 32			
	11 30 12 45Pm			8 30	54	37.2	D-R	2.2 BURLINGTON	BU	16.5	CW OYX	7 25 6 50		9 15 8 10 <sup>279</sup>	
	1 00			8 40	16	40.0		2.8 AVON		13.7	*	6 40		7 55	
	1 15			8 48	5	42.6		2.6 FREDONIA		11.1	f	6 32		7 25	
	1 30			8 53	20	44.1		1.5 WHITNEY		9.6	*	6 27		7 10	
						46.3		2.2 DRAW BRIDGE		7.4					
	2 00			9 07	25	49.6		3.3 FIDALGO		4.1	f	6 13		6 50	
	2 15			9 17	20	53.2		3.6 TENTH STREET		0.5	TWC	* 6 03		6 35	
	2 20Pm			9 20Am	63	53.7	D-R	0.5 ANACORTES	AC			6 00Pm		6 30Am	
	Arrive Daily			Arrive Daily								Leave Daily		Leave Daily	
	395			279								280		396	
	7 20 7 3			2 35 20.7				Time Over District. Average Speed Per Hour.				3 0 17 9		7 50 6.8	

EAST BOUND TRAINS ARE SUPERIOR TO WEST BOUND TRAINS OF THE SAME CLASS. (See Rule 43.)

All trains will register at Anacortes, Burlington and Rockport.

Nos. 279 and 280 will stop at Cement Co. plant, east of Baker, to take on and let off passengers.

Nos. 395 and 396 will have coach between Anacortes and Woolley, and carry passengers between those points.

Water Tank at Minkler's Mill, two miles east of Lyman.

Yard limit at Burlington 2,500 feet west of transfer switch. All trains must be moved under perfect control expecting to find trains occupying main line within these limits.

## CAPACITY OF ENGINES IN ADDITION TO WEIGHT OF ENGINES, TENDERS AND CABOOSES.

STATIONS.	Rating Grade.	Class F4-1095-1099 " F5-1100-1109 " F6-1110-1129 " F7-1130-1139 " F8-1140-1199 " F9-1300-1324 " G5- 800- 807				Class G2-700-719 " G3-720-769				Class F1-500-565 " D5-450-476				Class D2-300-359				Class D4-400-426				Class B0-232-238				Class B16-135-138 " B17-145-149 " B18-268-287 " B19-152-181				Class B20-197-206 " B21-207-225 " B22-226-230						
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
		Everett to Skykomish.....	1.0	1200				1000				775				575				715				385											435	
Skykomish to Cascade Tunnel...	2.2	600				480				360				276				340				183												200		
Cascade Tunnel to Leavenworth.....	Down	1500				1250				900																										
Leavenworth to Cascade Tunnel.....	2.2	600				480				360				275				340				185													200	
Seattle to Delta.....	0.5	2100				1750				1350				1050																						
Delta to Seattle.....	0.4	2500				2100				1460				1120																						
Cascade Tunnel to Lowell.....	Down	1500				1250				900																										
Silvana to Delta.....	0.5	1800				1400				1080				875																						
Delta to Silvana.....	0.4	2500				2100				1460				1120																						
Bellingham to Silvana.....	0.5	2100				1800				1350				1050																						
Silvana to Bellingham.....	0.5	2100				1800				1350				1050																						
Bellingham to New Westminister.....	1.1	1080				900				700				515																						
New Westminister to Bellingham.....	1.5	800				675				600				485																						

WEATHER RATING:   
 1—When temperature is 25 degrees above zero or over.   
 2—Very frosty or wet. 5 to 25 degrees above zero or over.   
 3—Five degrees above to 10 below zero.   
 4—Ten below zero and colder.

Chief Train Dispatcher may increase or decrease above rating as it may be found necessary.

The following will govern when handling empty cars: With 10 or less empty cars in a train no allowance will be made for wheel friction; with 10 to 20 empty cars in a train, add to actual weight 5 tons for each empty car for wheel friction; with more than 20 empty cars in a train add 6 tons per car for wheel friction.

Average weights of empty cars will be estimated as follows when not marked:

Box Cars, 28 to 30 foot.....	11 Tons
Box Cars, 33 foot.....	12 Tons
Box Cars, 34 foot.....	13 Tons
Box Cars, 36 foot.....	16 Tons
Box Cars, 40 foot.....	17 Tons
Refrigerators.....	20 Tons
Furniture, 30 to 40 foot.....	17 Tons
Furniture, 40 to 50 foot.....	19 Tons
Caboose, 8-wheel.....	19 Tons
Caboose, 4-wheel.....	17 Tons
Flat Cars, 28 to 30 foot.....	10 Tons
Flat Cars, 33 and 34 foot.....	9 Tons
Flat Cars, 40 foot.....	11 Tons
Flat Cars, 40 foot.....	12 Tons

Coal Cars.....	12 Tons
Gondola Cars.....	17 Tons
Oil Tanks.....	15 Tons
Ballast Cars.....	12 Tons
Steam Wreckers.....	55 Tons
Engine Tank, (Empty).....	40 Tons
Standard Engine and Tank.....	81 Tons
Small Mogul Engine and Tank.....	102 Tons
Large Mogul Engine and Tank.....	108 Tons
Consolidated Engine and Tank.....	111 Tons
Mail.....	35 Tons
Baggage.....	30 Tons
Coaches, 8-wheel.....	30 Tons
Coaches, 12-wheel.....	35 Tons
Dining Cars.....	40 Tons
Sleeping Cars.....	41 Tons
Ore Cars, Wood, 12' Steel.....	15 Tons

Yardmasters will at all times make up trains in accordance with the above instructions.

## DERAIL SWITCHES.

Derail Switches must always be set for derail except when in actual use, whether there are any cars on the tracks or not.

Cascade Tunnel east passing track lead, 30 feet from main line.

Wellington, west end passing-track.

Wellington Safety Switch, 70 feet west of station, on main line.

Alvin, 150 feet east of west passing track switch head block.

Index passing track 120 feet from west head block.

Roby, west end passing track.

Richmond Beach, 120 feet west H. B. Industry track.

Monroe Mill Spur, 200 feet from head block.

Sultan Jet., 143 feet from head block.

Derail Brewery Spur, Pacific Ave., 210 feet from head block.

Power House Spur, 105 feet from head block.

Mukilteo Lumber Co., Spur, 144 feet from head block.

Samish Lake, M. P. 85.2, on Spur, 3,635 feet north from head block.

Chuckanut, east end siding.

B. B. & E. Transfer Track east end.

Ferndale, 200 feet from east head block passing track.

## NAME AND LOCATION OF SPUR TRACKS—MAIN AND COAST LINES.

7

NAME	LOCATION.	OPENS.	LENGTH.	CAR CAPACITY.	NAME	LOCATION.	OPENS.	LENGTH.	CAR CAPACITY.
Woods Spur	2.5 Miles west of Chiwaukum	East		11	Alger Mineral Spur	Miles east of Alger	East		9
Seattle-Boston Copper Co. Spur	0.8 Miles west of Tonga	East.	300 feet	3	Gaudette's Spur	0.0 Miles east of Alger	East.		8
Skykomish Mill Co.'s Spur	0.3 Miles west of Skykomish	East.		20	Samish Lake Spur	0.1 Miles west of Samish Lake	East		90
Great Republic Mining Co.	1.5 Miles west of Skykomish	West.		14	Owen's Spur	Miles east Off Samish Spur	West.		5
Berlin Spur, Miller River Co.	1.5 Miles west of Skykomish	West.		4	Lindley Spur	Miles east Off Samish Spur	East.		1
Grota Lumber Co.		East.	1200 feet	25	Sound Shingle Co.'s Spur	2.9 Miles west of Belleville	Both ends		3
G. N. Shingle Co.'s Siding	3.5 Miles west of Grotto	Both ends		24	McCoy's Transfer Track	1.2 Miles east of Bow	West		3
Smith Lumber Co.	0.5 Miles east of Index	East.		12	Winnier Shingle Co.'s Spur	0.2 Miles west of Bow	West.		6
Heybrook Spur	1.5 Miles east of Index	East.		2	Blanchard Spur	1.0 Miles west of Samish	West.		3
Soderburg Spur	0.7 Miles west of Index	West.		10	Chuckanut Cannery Spur	0.7 Miles east of Chuckanut	West.		8
Robinson's Spur	0.5 Miles west of Gold Bar	East.		26	Chuckanut Quarry Spur	1.0 Miles east of Chuckanut	West.		38
Black Bros. Spur	0.0 Miles east of Startup	West.		26	Marietta Spur	0.9 Miles west of Bellingham	East.		2
Casey's Spur	1.3 Miles east of Sultan	East.		5	Henry Spur	1.0 Miles east of Brennan	East.		2
Sultan Lumber Co. Spur	1.5 Miles east of Sultan	West.		3	LaPointe Spur	0.0 Miles west of Brennan	East.		2
Owen's Spur	1.7 Miles east of Monroe	East.		4	Sani Pit Spur	1.0 Miles east of Enterprise	East.		15
Holmquist Spur	1.0 Miles east of Monroe	East.		4	Shield's Spur	0.8 Miles east of Enterprise	East.		2
Monroe Mill Spur	1.0 Miles east of Monroe	East.		9	Enterprise Spur	0.5 Miles east of Enterprise	East.		3
Monroe Gravel Pit	0.0 Miles east of Monroe	West.		56	Red Cedar Shingle Co.	2.5 Miles east of Custer	East.		9
Three Lakes Lumber Co.	3.0 Miles west of Monroe	East.		35	McDonald Spur	1.2 Miles west of Custer	East.		2
Cascade Cedar Spur	0.3 Miles east of Snohomish	East.		27	Melrose Spur	2.5 Miles west of Custer	East.		5
Crescent Spur	0.5 Miles east of Lowell	West.		25	Blaine Shingle Co.'s Spur	2.0 Miles east of Blaine	West.		12
House Track	0.5 Miles east of Lowell	East.		25	Blaine Spur	1.9 Miles east of Blaine	East.		2
State Mill Co.	0.5 Miles west of Everett	West.		12	Shelton Spur (off Blaine Spur)		East.		2
Power House Spur	0.1 Miles west of Everett	West.		10	City Dock Spur (off Blaine Spur)		East.		8
G. N. Clay Co. Spur	2.0 Miles west of Metum	West.		2	Erie Mill Spur (off City Dock Spur)		East.		14
E. W. Mills Spur	2.3 Miles east of Richmond Beach	East.		2	Monarch Mill Spur (off City Dock Spur)		East.		14
Brady's Spur	0.0 Miles west of Edmonds	West.		3	Hazelmere Spur	3.4 Miles west of Blaine	West.		3
Sand Spur	3.4 Miles west of Edmonds	West.		7	McNair Spur	2.0 Miles west of Cloverdale	East.		5
Mul-tex Lumber Co	2.1 Miles east of Mukilteo	West.		10	Brownsville Spur	2.1 Miles east of Liverpool	East.		9
McNeeley No. 2	0.5 Miles west of Everett Jct.	East.		9	House Track	0.1 Miles west of Anacortes	West.		4
Weyerhaeuser Timber Co	1.0 Miles east of Everett Jct	West.		24	Repair Track	0.2 Miles west of Tenth Street	West.		15
Nad House Spur	1.0 Miles west of Everett Jct	West.		4	Store Track	0.2 Miles west of Tenth Street	West.		7
Nickerson Machinery Co	0.0 Miles west of Everett	West.		4	Skagit Mill Spur	0.7 Miles west of Tenth Street	West.		24
Everett Milling Co	1.5 Miles west of Everett Jct	East.		15	Storm Mill Spur	0.9 Miles west of Tenth Street	West.		12
Clark-Nickerson Mill	1.8 Miles west of Everett Jct	West.		31	E. S. Cook Spur	0.8 Miles west of Tenth Street	East.		4
Log Dump Spur	1.8 Miles west of Everett Jct	West.		21	Cavanaugh Spur	1.4 Miles west of Tenth Street	East.		4
Wheeler Spur	1.9 Miles east of Everett Jct	West.		7	Skagit Mfg. Spur	1.7 Miles west of Tenth Street	West.		6
Neff's Spur	1.0 Miles west of Long Siding	East.		50	Log Rollway	1.9 Miles west of Tenth Street	Both ends		22
Blackman Spur	0.4 Miles east of Long Siding	East.		7	Fidalgio Mill Spur	2.0 Miles west of Tenth Street	East.		3
Union Slough	1.5 Miles east of Marysville	East.		6	Gravel Pit Spur	5.9 Miles west of Tenth Street	East.		9
Kruse Bros Spur	1.4 Miles west of Marysville	West.		7	Fox Lumber Co. Spur	0.5 Miles east of Fredonia	West.		6
Cox's Spur	2.0 Miles west of Marysville	West.		2	Callahan-Abbott Spur	Fredonia	East.		6
Zindorf Spur	3.9 Miles west of Marysville	East.		2	Hawkin's Spur	0.7 Miles west of Fredonia	West.		5
Kennedy Spur	4.2 Miles west of Marysville	East.		6	J. C. Waugh Spur	0.3 Miles east of Avon	East.		2
British Spur	4.4 Miles east of Silvana	East.		2	Burlington Mill Spur	0.6 Miles east of Burlington	East.		6
Summit Mill Co	4.7 Miles west of Marysville	East.		2	Holbrook's Spur	0.4 Miles east of Woolley	East.		8
English Spur	2.9 Miles east of Silvana	East.		16	Sound Iron Spur		East.		7
Norman Spur	1.1 Miles west of Silvana	East.		2	Tyee Spur	1.4 Miles west of Woolley	Both ends		2
Rabel's Spur	1.8 Miles west of Silvana	West.		3	Green Mill Spur	3.3 Miles west of Woolley	East.		22
Washington Shingle Co	1.1 Miles east	East.		4	Munkler's Mill	3.0 Miles west of Cokedale Jct	Both ends		13
Manley & Church Spur	1.4 Miles east of Stanwood	West.		4	Child's Spur	3.6 Miles west of Cokedale Jct	East.		3
Hal's Spur	1.5 Miles east of Stanwood	West.		2	Hitchcock-Kelly	Miles west of Lyman	East.		3
Ketchum Spur	2.0 Miles west of Stanwood	East.		12	Skagit Mill Co. Spur	Lyman	East.		22
Morrison Mill Spur	2.5 Miles east of Fir	East.		18	Hop Ranch Spur	0.8 Miles west of Lyman	East.		3
Milltown	2.2 Miles east of Fir	East.		6	L. L. Spur	0.2 Miles east of Hamilton	East.		3
Hawley Spur	2.0 Miles east of Fir	West.		15	Hightower No. 2	1.8 Miles east of Birdsview	East.		19
Skagit Crossing Tr. Track	1.0 Miles east of Fir	East.		12	Wiley Spur	1.0 Miles west of Grassmere	East.		9
Little Mountain Spur	2.0 Miles east of Mt. Vernon	East.		3	Van Horne's Spur	0.5 Miles east of Faber	West.		16
Skagit Spur	2.0 Miles west of Mt. Vernon	East.		11	Tower Mill Co.	0.3 Miles east of Faber	West.		19
Burlington Quarry	0.5 Miles west of Burlington	East.		11	Hightower No. 3	1.0 Miles east of Faber	West.		15
Butler Spur	0.1 Miles west of Belleville	East.		2	Sank Spur	2.0 Miles east of Rockport	East.		2
Belfast Mfg. Co	0.5 Miles east of Belfast	East.		10					
Samish Pit Spur	0.6 Miles east of Belfast	East.		52					
Burlington Mill Spur	0.1 Miles east of Belfast	East.		6					
Desmond Spur	1.4 Miles east of Alger	West.		3					

## SPECIAL RULES.

1. Bulletin Boards are located at Leavenworth, Cascade Tunnel, Skykomish, Delta, Interbay, Seattle, Burlington, Bellingham, Anacortes and Rockport.
2. Trains will date from time due to leave terminals. Leavenworth and Seattle will be considered terminals for passenger trains; Leavenworth, Everett Junction, Interbay and Lowell for freight trains.
3. All trains will reduce speed to eight miles per hour through Martin Creek tunnel and over bridges at each end.
4. Passenger trains descending the two and two-tenths per cent grade between Leavenworth and Skykomish must not exceed thirty-five miles per hour and west bound trains should not exceed schedule time through Cascade Tunnel. Passenger trains between Everett and Seattle must not exceed time card schedule.
5. Additional to other required tests of the air brake, no train will leave Cascade Tunnel until the air brakes have been carefully tested. Engineer will set the brakes and leave them set until trainmen examine each car, then release them, and trainmen will again examine each car and see that brakes release before giving the signal to start the train. Conductors must inform engineers how many cars loaded and empty in the train, and how many cars of "air" are working.
6. All retainers must be used from Cascade Tunnel to Merritt, and from Chiwaukum to Leavenworth, and from Cascade Tunnel to Skykomish.
7. Trains are operated between a block post, 125 feet west of the east crossover switch Cascade Tunnel and the east switch of the passing track at Wellington, by a train staff block system. No train or engine will be run in either direction between the limits mentioned unless train engineman and the engineman of helper engine each has in their possession a section of a staff, which will be handed to them by operators and will be retained by them until entire train has cleared block, then sections of staff must be handed to operator. When no helper engine is used, a conductor or brakeman located on rear of train must be in possession of one-half of the staff.
8. Only one train is permitted to enter or use the block at the same time.
9. Seattle yard limit extends to the yard-limit board east of Ballard. All trains except regular passenger trains will run under control between this yard-limit board and Seattle, expecting to find main track occupied.
10. West-bound trains will not exceed schedule time between Halford and the east mile-board at Gold Bar.
11. All except first class trains must be under absolute control while passing through yard limits Leavenworth Skykomish, Lowell, Pacific Avenue, Delta, Burlington, Harris Avenue and Bellingham.
12. Semaphores are located 1200 feet west of west switch Edmonds, 1200 feet east of east switch Madison, 1200 feet west of west switch at Chiwaukum, 1200 feet east of switch Holmquist spur, half mile east of Monroe.
13. SEMAPHORES for protection of draw on Fraser River bridge between Liverpool and New Westminster are located on the east and west end of bridge.
14. Horizontal position of the semaphore blades by day and yellow light shown by night indicates that switches with which the distant signals are connected are open and approaching trains should immediately be brought under control.
15. Diagonal position of the blades and green lights displayed at night indicate that switches with which the distant signals are connected are properly set and train should proceed as per rule
16. Under no circumstances must distant signals be used as flags by trains standing between switches, nor will their use modify in any way the existing rule in regard to the protection of trains standing at stations.
17. Cars must not be set out on passing tracks without an order from the Superintendent.
18. Empty flats and gondolas must be hauled in trains behind all loaded and empty box, stock and refrigerator cars and when helper engine used they must be put behind it and ahead of caboose.
19. Outfit cars must be placed next to caboose. When helper engine used they must be put behind it and ahead of caboose.
20. West yard-limit board Bellingham is located 400 feet west of round house track switch.
21. Delta yard limit commences 500 feet east of junction switch, east of coal chute, and extends to west end of draw bridge 11 on Coast line and around the point on Bayside (old Coast line) to Everett Junction yard-limit board. Between the hours of seven (7) p. m. and seven (7) a. m., the yard-limit rules are suspended between Everett Junction and Delta yard and all trains will be operated by train orders over this district (going towards Seattle is west-bound.)
22. All trains will reduce speed to 8 miles per hour passing through town limits of Mt. Vernon and Edmonds.
23. All trains will reduce speed to 10 miles per hour passing through town limits of Burlington.
24. All trains will reduce speed to 10 miles per hour over Fraser River Bridge.
25. Switch at Everett Junction will be kept set for main line.
26. Standard clocks are located in telegraph offices at Leavenworth, Skykomish, Vancouver, Interbay, Delta and Bellingham.
27. All trains must register their arrival and departure at Pacific Avenue, N. P. Junction, Delta, Burlington, Belleville, Bellingham, Blaine, Cloverdale and New Westminster, stating whether or not they are carrying signals. No train will be considered registered unless such notation is made and in case of omission conductors of trains affected will govern themselves accordingly and report the fact to the Superintendent.
28. No trains in either direction will cross International Boundary at Blaine without permission of Customs officers.
29. All trains must stop at drawbridges and railroad crossings at a distance not exceeding 200 feet from same.
30. Conductors of trains hauling logs must stop on all summits and see that brakes are properly set before descending grade.
31. Freight trains will not carry passengers.
32. NEW WESTMINSTER INTERLOCKING SYSTEM.—Signal tower is located 3,694 feet west of west end of Fraser River bridge opposite crossing of the C. P. Ry. This apparatus controls the crossing of the C. P. Ry., also switches leading to and from the Fraser River Bridge tracks and New Westminster. Distant Semaphores are located 1,200 feet east and west and Home Signals are 500 feet east and west of tower, respectively.

Reference Marks: S—regular stop; F—stop on signal; D—day telegraph office; N—night telegraph office; W—water; C—coal; O—scales; T—turntable; Y—wye; R—registering station.

## COMPANY'S SURGEONS.

Dr. J. A. Quinn, Chief Surgeon, Ernst Building, Cor 5th and Wabasha, St. Paul.	
Dr. J. W. Chamberlin, Ophthalmic Surgeon, Lowry Building, St. Paul.	
Leavenworth.....G. W. HOXSIE.	Everett.....DR. W. C. COX.
Seattle.....DR. J. B. EAGLESON.	Bellingham.....DR. H. A. COMPTON.
Seattle.....DR. E. W. PERRY, Oculist.	Anacortes.....DR. GEO. B. SMITH.

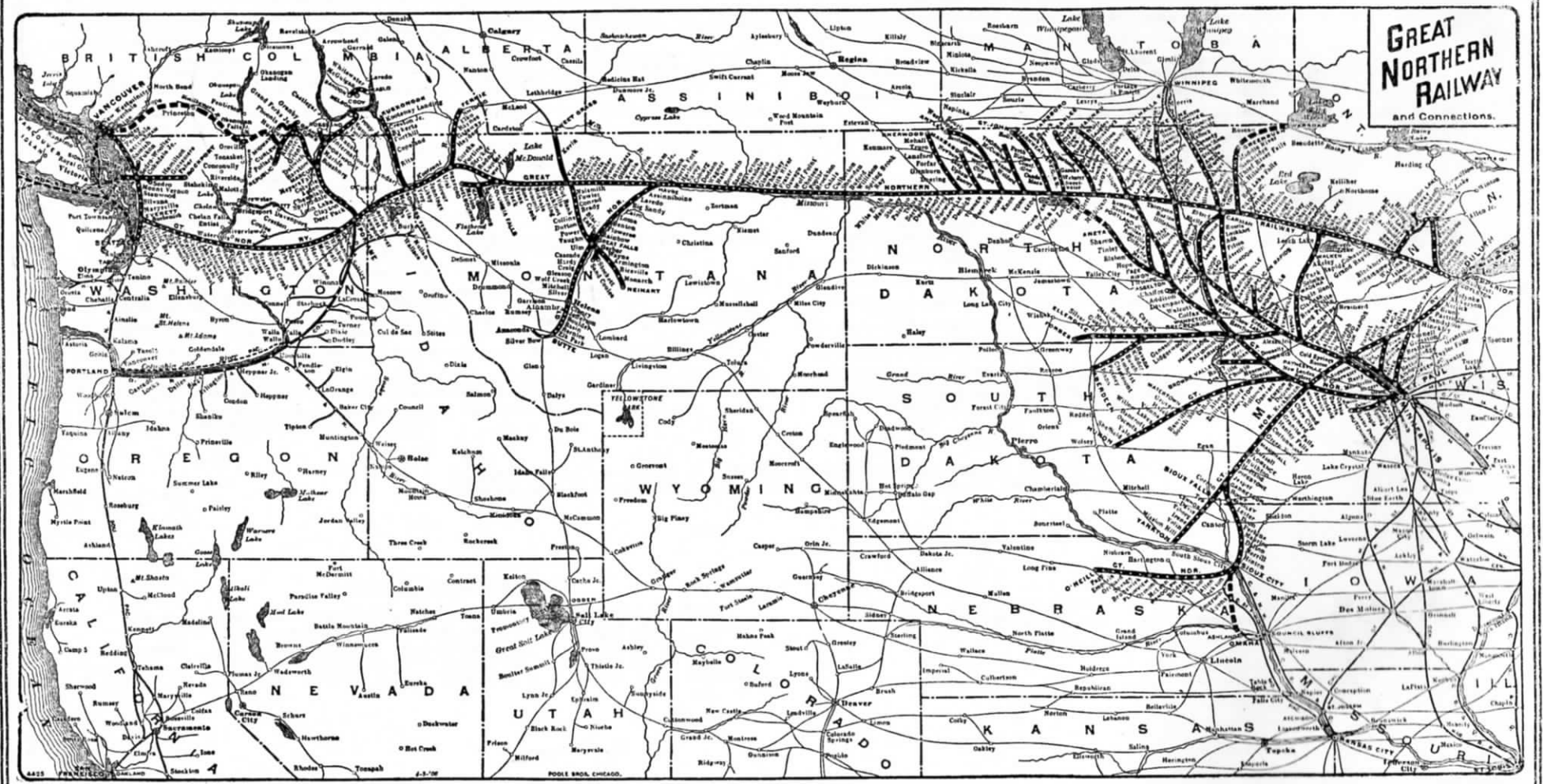
## TIME INSPECTORS.

Leavenworth.....F. E. CARLQUIST.	Everett.....SWALLWELL & CO.
Seattle.....J. F. HUNTER.	Bellingham.....BEVINS & SONS.
	Anacortes.....H. L. DODGE.

J. C. DEVERY, Chief Dispatcher.  
B. B. GREER, Assistant Superintendent







**GREAT  
NORTHERN  
RAILWAY**  
and Connections.

1895

U.S.M.

POOLE BROS. CHICAGO.