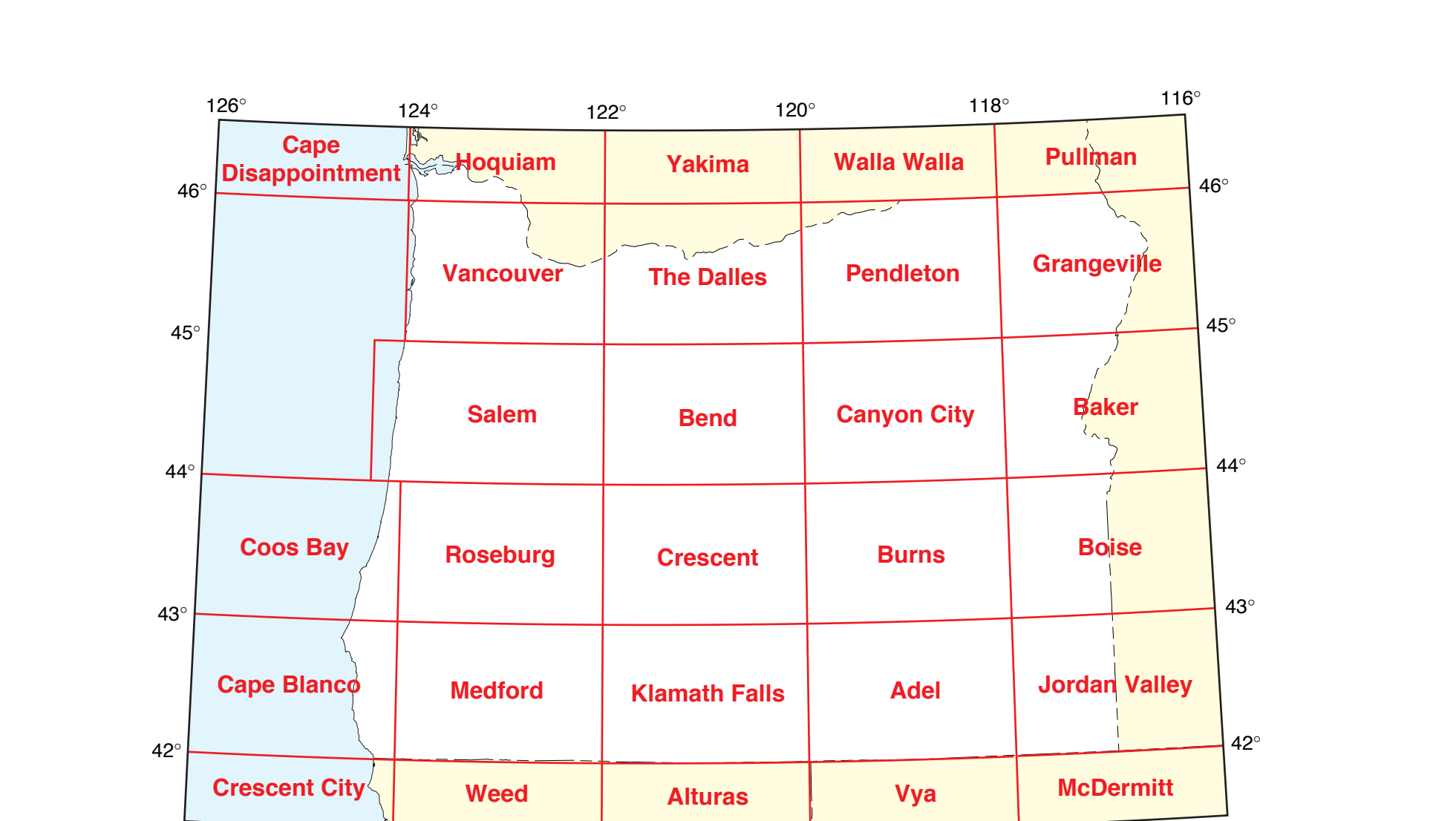
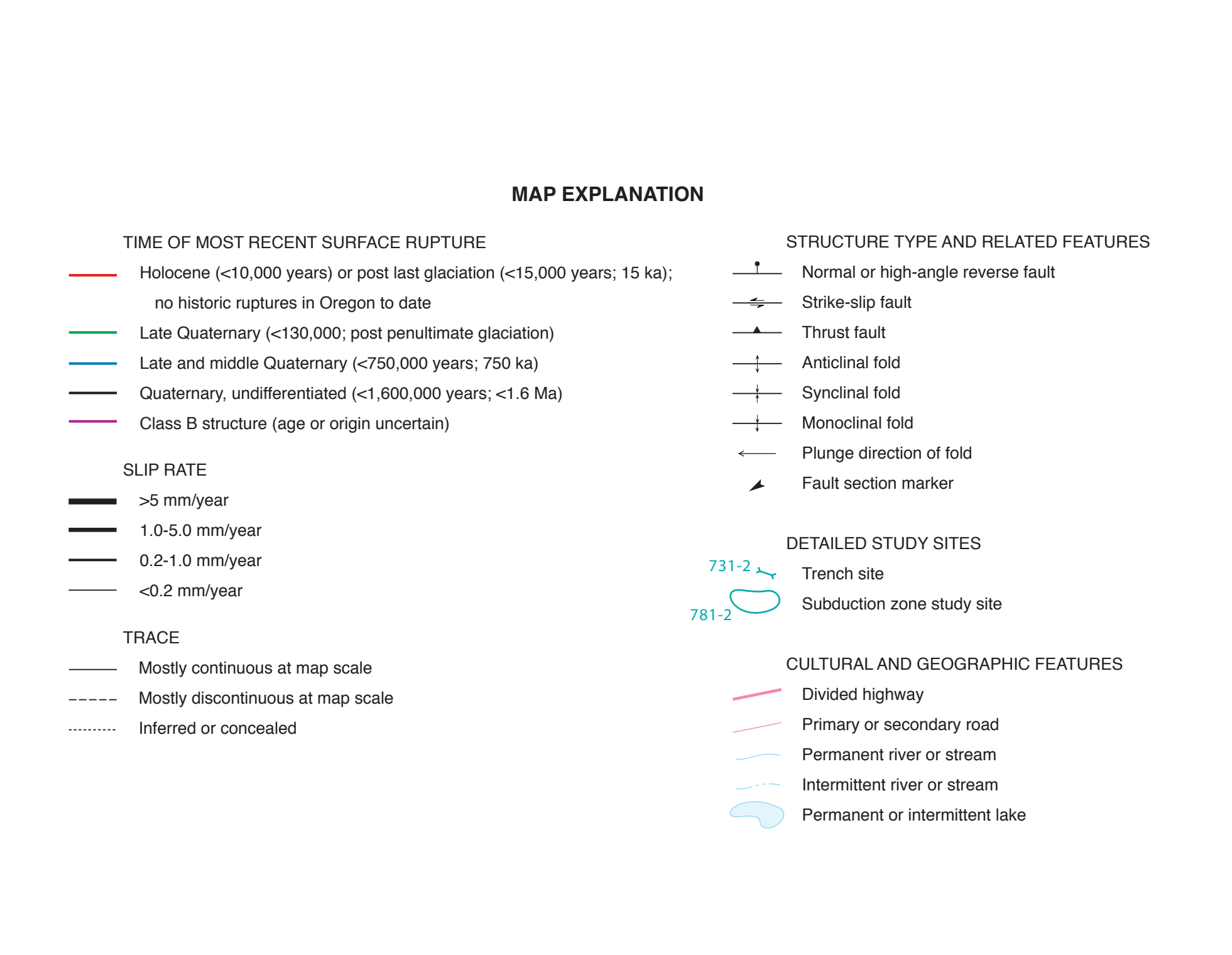
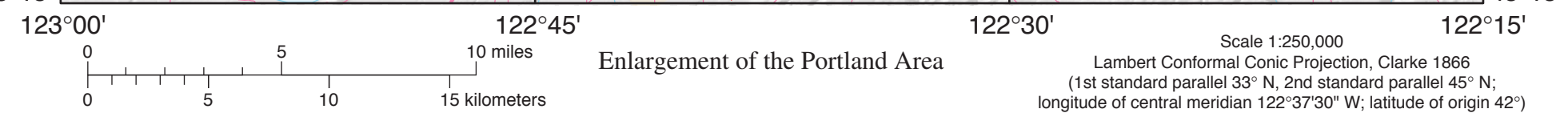
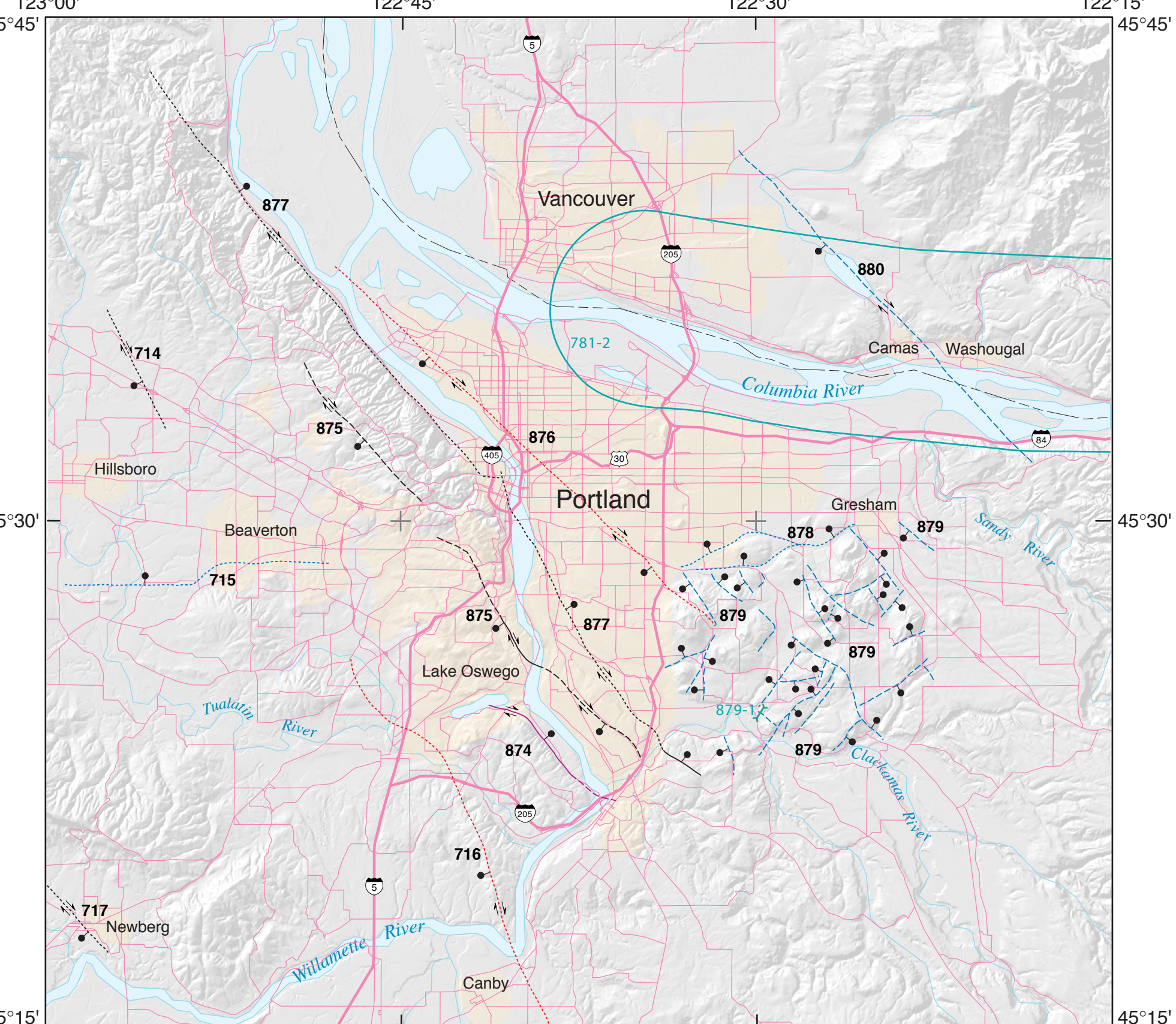
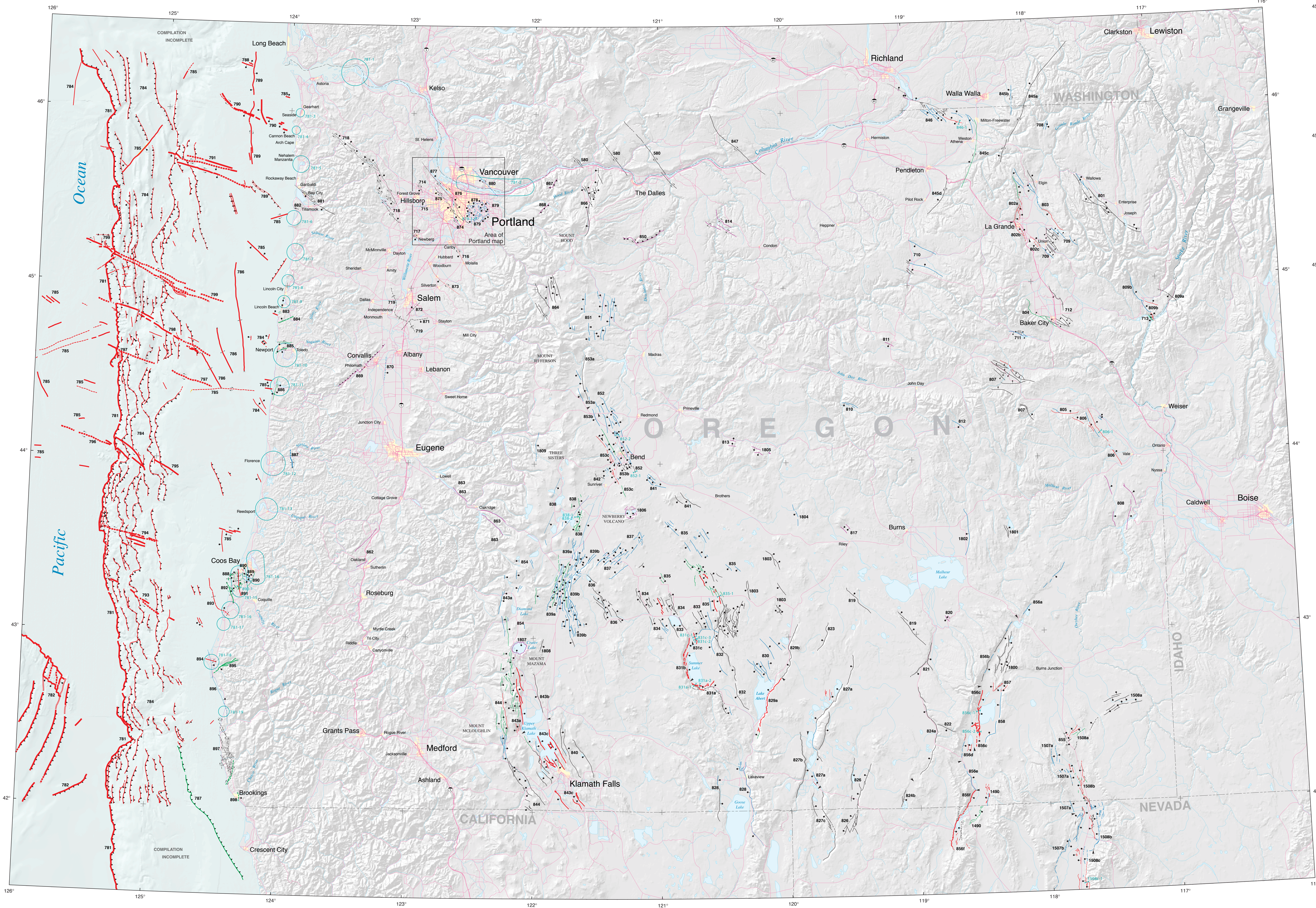


Map of Quaternary Faults and Folds in Oregon

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2003



DATA ON SUSPECT (CLASS C) FAULTS AND FOLDS IN OREGON			
Name of structure	Reason for suspicion		
Unnamed feature near Applegate	No evidence of Quaternary offset		
Unnamed feature in Camp Valley	No evidence of Quaternary offset		
Unnamed feature on Cedar Mountain	No evidence of Quaternary offset		
Unnamed feature southwest of Condon	No evidence of Quaternary offset		
Unnamed feature near Drews Reservoir	No evidence of Quaternary offset		
Pine Hill fault	No evidence of Quaternary offset; reported scarps probably caused by differential erosion		
Fulmar fault	No evidence of Quaternary offset on seafloor		
Unnamed feature near Grants Pass	No geomorphic expression; no unequivocal evidence of Quaternary deformation		
Unnamed feature near Ireland Flat	No evidence of Quaternary offset		
Lincoln fault	No evidence of Quaternary offset		
Mount Hood fault	No evidence of Quaternary offset		
Pony Slough fault	No geomorphic expression; no unequivocal evidence of Quaternary deformation		
Salem River fault zone	No evidence of Quaternary offset		
Sandy River fault zone	No evidence of Quaternary offset		
Shewoke/Lake Oswego fault	No evidence of Quaternary offset		
Swan Island fault	No geomorphic expression; no unequivocal evidence of Quaternary deformation		
Unnamed fault near Lookout Butte	No evidence of Quaternary offset		
Unnamed faults near Wagonite Mountain	No evidence of Quaternary offset		

Abbreviations: ka, thousands of years ago; Ma, millions of years ago; N, north or not reported or not applicable. Fault numbers not used on map or in database are 783, 792, 800, 815, 816, 818, 825, 848, 849, 850, 860, 861, and 865.									
Fault Number	Name of structure	Most recent event (ka)	Slip rate (mm/yr)	Length, end-to-end (km)	Length, average (km)	Amount (m)	Amount (average)	Fault type	
580	Faults near The Dalles	<1.6 Ma	<0.2	54.3	96.7	54.3	N 381° W	Destral, Normal, Thrust	
708	Unnamed faults near Jassaud Creek	<750 ka	<0.2	5.8	11.1	5.8	N 181° E	Normal	
709	South Grande Ronde Valley fault	<750 ka	<0.2	20.1	88.3	20.1	N 281° W	Normal	
710	Utah Valley fault	<750 ka	<0.2	32.0	56.7	32.0	N 61° W	Normal	
711	Sumpter Valley fault	<750 ka	<0.2	12.3	22.3	12.3	N 44° W	Normal	
712	Unnamed East Baker Valley fault	<1.6 Ma	<0.2	27.3	30.2	27.3	N 401° W	Normal	
713	Powder River Terracotta fault zone	<1.6 Ma	<0.2	5.4	10.9	5.4	N 281° W	Normal-Sinistral	
714	Helvetic fault	<1.6 Ma	<0.2	7.4	7.4	7.4	N 281° W	Normal (Reverse?), Destral?	
715	Beverton fault zone	<750 ka	<0.2	14.7	15.1	14.7	N 681° E	Normal?, Reverse?	
716	Carby-Mollala fault	<1.6 Ma	<0.2	50.0	52.5	50.0	N 341° W	Destral, Reverse	
717	Newberg fault	<1.6 Ma	<0.2	5.0	5.0	5.0	N 421° W	Destral, Reverse	
718	Gales Creek fault zone	<1.6 Ma	<0.2	72.7	152.1	72.7	N 411° W	Destral, Reverse	
719	Salmon-Hills anticline	<1.6 Ma	<0.2	31.2	34.3	31.2	N 261° W	Monocline	
720	Cascadia subduction zone	<15 ka	>5	>535.6	>547.1	>547.1	N 281° W	Thrust	
721	Blanco transform fault zone	<15 ka	>5	>105.5	>105.5	>105.5	N 111° E	Destral, Normal, Normal, Thrust	
722	Cascadia fold and thrust belt	<15 ka	>5	>483.4	>188.0	>188.0	N 301° W	Anticline, Syncline, Thrust	
723	Unnamed offshore faults	<15 ka	>5	>180.3	>234.6	>234.6	N 111° W	Sinistral, Destral, Reverse, Normal	
724	Stonewall anticline	<15 ka	>5	82.2	124.9	82.2	N 131° W	Anticline, Reverse?	
725	Bald Mountain-Big Lagoon fault zone	<130 ka	0.2-1	95.0	96.7	95.0	N 271° W	Thrust or Reverse	
726	Nahalem Bank fault	<15 ka	>5	101.0	113.2	101.0	N 151° W	Destral, Reverse	
727	Fault "H"	<15 ka	>5	48.7	81.3	48.7	N 481° W	Normal, Sinistral?	
728	Fault "G"	<15 ka	>5	58.7	136.3	58.7	N 741° W	Sinistral	
729	Thompson Ridge fault	<15 ka	>5	48.6	34.5	48.6	N 321° W	Normal	
730	Coos Basin fault	<15 ka	>5	35.4	67.5	35.4	N 741° W	Sinistral	
731	Heceta Bank structure	<15 ka	>5	18.2	18.2	18.2	N 581° W	Sinistral?, Monocline?	
732	Heceta South fault	<15 ka	>5	60.3	84.3	60.3	N 541° W	Sinistral	
733	Alvin Canyon fault	<15 ka	>5	71.2	60.0	71.2	N 581° W	Sinistral	
734	Wescama fault	<15 ka	>5	80.1	91.0	80.1	N 631° W	Sinistral	
735	Wallace fault	<750 ka	<0.2	86.0	118.8	86.0	N 511° W	Normal	
736	West Grande Ronde Valley fault zone	<15 ka	<0.2	29.0	44.9	29.0	N 102° W	Normal	
737	Mount Emily section	<15 ka	<0.2	25.8	14.5	25.8	N 111° E	Normal	
738	Craig Mountain section	<15 ka	<0.2	8.8	15.7	8.8	N 491° W	Normal	
739	East Grande Ronde Valley fault zone	<15 ka	<0.2	32.6	68.5	32.6	N 541° W	Normal	
740	West Baker Valley fault	<15 ka	<0.2	17.4	23.8	17.4	N 811° W	Normal	
741	Cottonwood Mountain fault	<15 ka	<0.2	40.3	151.5	40.3	N 611° W	Normal	
742	Unnamed fault near Union Valley	<1.6 Ma	<0.2	17.1	18.9	17.1	N 441° W	Normal	
743	Pin Valley graben fault system	<1.6 Ma	<0.2	35.2	57.2	35.2	N 441° W	Normal	
744	Brumley section	<1.6 Ma	<0.2	17.1	18.9	17.1	N 441° W	Normal	
745	Halfway-Pooley Valley section	<15 ka	<0.2	25.4	38.2	25.4	N 431° W	Normal	
746	Unnamed faults near Murders Creek	<750 ka	<0.2	10.8	10.8	10.8	N 711° W	Normal, Reverse?	
747	Unnamed fault in Fox Basin (Class B)	<1.6 Ma	<0.2	6.1	6.1	6.1	N 641° W	Normal	
748	Unnamed fault in Lagoon Valley	<750 ka	<0.2	8.4	8.4	8.4	N 521° W	Normal	
749	Unnamed fault near Polk Butte (Class B)	<1.6 Ma	<0.2	5.5	8.6	5.5	N 801° W	Normal?, Reverse?	
750	Unnamed faults on Diamond Craters (Class B)	<1.6 Ma	<0.2	12.4	12.4	12.4	N 141° E	Normal	
751	Brothers fault zone	<1.6 Ma	<0.2	6.2	9.8	6.2	N 441° W	Normal	
752	Donner and Blitzen fault	<15 ka	<0.2	25.8	38.2	25.8	N 151° W	Normal	
753	Unnamed fault near V Lake	<1.6 Ma	<0.2	12.8	13.0	12.8	N 691° W	Normal?, Destral?	
754	Unnamed fault near Dry Valley	<1.6 Ma	<0.2	19.2	20.7	19.2	N 211° E	Normal	
755	Unnamed fault near Catlow Valley	<1.6 Ma	<0.2	70.4	70.4	70.4	N 100°	Normal	
756	Calder Valley section	<1.6 Ma	<0.2	55.8	61.1	55.8	N 102° W	Normal	
757	Heavy Valley Valley section	<1.6 Ma	<0.2	11.3	15.4	11.3	N 091° E	Normal	
758	Guane Valley fault	<1.6 Ma	<0.2	40.2	130.3	40.2	N 091° E	Normal, Normal, Destral	
759	Warner Valley fault	<1.6 Ma	<0.2	120.3	250.8	120.3	N 091° E	Normal	
760	East Warner Valley section	<15 ka	<0.2	89.0	135.2	89.0	N 091° E	Normal	
761	West Warner Valley section	<1.6 Ma	<0.2	42.1	40.8	42.1	N 081° W	Normal	
762	Coleman Valley section	<1.6 Ma	<0.2	43.5	78.8	43.5	N 071° W	Normal	
763	Goose Lake graben fault	<750 ka	<0.2	25.4	107.2	25.4	N 081° W	Normal	
764	Abert Rim fault	<15 ka	0.2-1	77.1	64.8	77.1	N 151° E	Normal	
765	Lake Abert section	<1.6 Ma	0.2-1	41.5	46.8	41.5	N 141° E	Normal	
766	Unnamed faults north of Abert Lake	<750 ka	<0.2	35.4	38.0	35.4	N 141° E	Normal	
767	Winter Rim fault system	<15 ka	0.2-1	67.9	122.3	67.9	N 381° W	Normal	
768	Winter Ridge section	<15 ka	0.2-1	25.8	38.2	25.8	N 041° W	Normal	
769	Winter Ridge section	<15 ka	0.2-1	25.8	38.2	25.8	N 041° W	Normal	
770	Faults east of Summer Lake	<750 ka	<0.2	62.1	96.7	62.1	N 101° W	Normal	
771	Faults north of Summer Lake	<750 ka	<0.2	25.7	270.6	25.7	N 101° W	Normal	
772	Unnamed fault near Antelope Mountain	<15 ka	0.2-1	13.0	13.0	13.0	N 251° E	Normal, Sinistral?	
773	Southwest Newberry fault zone	<15 ka	0.2-1	66.3	204.5	66.3	N 341° W	Normal	
774	La Pine graben fault	<750 ka	<0.2	27.6	80.3	27.6	N 381° W	Normal	
775	Chernoff graben fault system	<130 ka	<0.2	68.6	514.6	68.6	N 071° E	Normal	
776	Walker Rim section	<1.6 Ma	<0.2	60.4	288.5	60.4	N 141° E	Normal	
777	Faults on the Modoc Plateau	<1.6 Ma	<0.2	6.8	6.8	6.8	N 111° W	Unknown	
778	Unnamed faults near Milician Valley	<750 ka	<0.2	39.7	50.9	39.7	N 541° W	Normal	
779	Unnamed faults near Klamath Lake	<1.6 Ma	<0.2	147.7	446.6	147.7	N 171° W	Normal	
780	East Klamath Lake section	<1.6 Ma	<0.2	25.3	25.7	25.3	N 151° W	Normal	
781	South Klamath Lake section	<1.6 Ma	<0.2	25.3	25.7	25.3	N 151° W	Normal	
782	Sky Lakes fault zone	<15 ka	<0.2	77.3	198.3	77.3	N 181° W	Normal	
783	Hole fault system	<1.6 Ma	<0.2	140.7	184.0	140.7	N 201° E	Sinistral-Normal	
784	Kootenai section	<750 ka	<0.2	18.9	18.9	18.9	N 001°	Sinistral-Normal	
785	Thum Hollow section	<130 ka	<0.2	44.0	45.5	44.0	N 101° E	Sinistral-Normal	
786	Agency section	<1.6 Ma	<0.2	27.9	29.4	27.9	N 281° E	Sinistral-Normal	
787	Wallula fault system	<15 ka	<0.2	160.2	160.2	160.2	N 531° W	Destral?, Reverse?, Normal?	
788	Arlington-Shuler Butte fault	<750 ka	<0.2	32.2	53.4	32.2	N 431° W	Destral?, Normal?	
789	Unnamed faults near Tygh Ridge (Class B)	<1.6 Ma	<0.2	31.7	31.7	31.7	N 631° E	Reverse or Thrust, Destral?	
790	Warm Springs fault zone	<750 ka	<0.2	31.7	115.3	31.7	N 031° E	Normal	
791	Slater fault zone	<130 ka	<0.2	52.9	52.9	52.9	N 281° W	Normal, Normal, Destral?	
792	Green Ridge section	<750 ka	<0.2	33.8	150.9	33.8	N 221° W	Normal-Destral?	
793	Rimrock-Tumalo section	<750 ka	<0.2	44.7	56.6	44.7	N 291° W	Normal-Destral?	
794	Unnamed fault zone near Blue Mountain	<1.6 Ma	<0.2	44.4	39.6	44.4	N 001°	Normal	
795	Chowley section	<750 ka	<0.2	42.8	42.8	42.8	N 291° E	Normal	
796	Mary's Lake section	<750 ka	<0.2	42.8	42.8	42.8	N 291° E	Normal	
797	Alford section	<15 ka	0.2-1	36.1	66.3	36.1	N 011° W	Normal	
798	Fleets section	<15 ka	<0.2	15.6	23.0	15.6	N 121° E	Normal	
799	Turn Tun section	<750 ka	<0.2	18.4	17.5	18.4	N 241° W	Normal	
800	Dewco section	<15 ka	0.2-1	27.3	64.8	27.3	N 081° E	Normal	
801	Mickey Basin fault	<15 ka	<0.2	8.1	18.0	8.1	N 331° E	Normal	
802	Tule Springs Rims fault	<750 ka	<0.2	33.4	33.5	33.4	N 111° E	Normal	
803	Unnamed faults near Sutherland (Class B)	<750 ka	<0.2	27.7	34.5	27.7	N 481° E	Normal	
804	Upper Willamette River fault zone (Class B)	<1.6 Ma	<0.2	44.0	50.8	44.0	N 521° W	Destral?	
805	Chickamas River fault zone	<1.6 Ma	<0.2	28.6	92.9	28.6	N 191° W	Destral, Normal	
806	Hood River fault zone	<1.6 Ma	<0.2	44.3	69.8	44.3	N 111° W	Normal, Destral?	
807	Eagle Creek thrust fault (Class B)	<1.6 Ma	<0.2	8.1	9.0	8.1	N 441° E	Thrust	
808	Butte thrust fault (Class B)	<1.6 Ma	<0.2	8.4	8.4	8.4	N 341° E	Thrust	
809	Corvallis fault zone (Class B)	<1.6 Ma	<0.2	40.4	44.6	40.4	N 331° E	Thrust, Sinistral?	
810	Owl Creek fault	<750 ka	<0.2	14.9	14.9	14.9	N 051° E	Reverse	
811	Mill Creek fault	<1.6 Ma	<0.2	19.4	20.1	19.4	N 681° E	Normal?, Reverse?, Sinistral?	
812	Waldo River fault	<1.6 Ma	<0.2	11.8	11.8	11.8	N 451° E	Normal?, Reverse?	
813	Mount Angel fault	<15 ka	<0.2	29.7	30.4	29.7	N 431° W	Reverse-Destral?	
814	Bolton fault (Class B)	<1.6 Ma	<0.2	8.8	9.2	8.8	N 321° W	Reverse-Destral	
815	Cartfield fault	<1.6 Ma	<0.2	28.7	29.3	28.7	N 411° W	Reverse-Destral	
816	East Bank fault	<15 ka	<0.2	28.9	29.0	28.9	N 401° W	Reverse-Destral	
817	Portland Hills fault	<1.6 Ma	<0.2	46.3	60.4	46.3	N 271° W	Reverse-Destral?, Thrust?	
818	Grant Butte fault	<750 ka	<0.2	9.8	16.6	9.8	N 771° E	Normal	
819	Damascus-Tickle Creek fault zone	<750 ka	<0.2	16.7	62.8	16.7	N 021° E	Destral, Reverse	
820	Lacamas Lake fault	<750 ka	<0.2	23.7	23.8	23.7	N 431° W	Destral-Normal?, or Reverse?	
821	Fillebrook Bay fault zone	<1.6 Ma	<0.2	31.8	41.6	31.8	N 501° W	Reverse-Sinistral	
822	Happy Camp fault	<1.6 Ma	<0.2	3.3	3.4	3.3	N 731° W	Thrust	
823	Silent Bay fault	<130 ka	<0.2	11.8	11.8	11.8	N 231° W	Normal?, Reverse?	
824	Cape Fowweather fault	<130 ka	0.2-1	10.4	10.8	10.4			