

**SPECIAL PUBLICATION 120  
1999**

**INDEX TO  
PUBLISHED LANDSLIDE MAPS,  
CALIFORNIA COAST RANGES,  
MONTEREY COUNTY AND NORTH  
FOR USE IN  
TIMBER HARVESTING  
PLAN PREPARATION  
ON NON-FEDERAL LAND**

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**1999**

by

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**ERRATA SHEET**  
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- 21) Kelley, F.R., 1984, Geology and geomorphic features related to landsliding, Arcata North 7.5' Quadrangle, **Humboldt** County, California, California Division of Mines and Geology Open-File Report 84-38, 1 sheet, scale 1:24,000.
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- E-2) Rice, S.J., 1975, Geology for planning, Novato area, **Marin** County, California: California Division of Mines and Geology Open-File Report 75-10, scale 1:12,000. available from Marin County Planning Department. Quadrangles covered: 233, 234, 237, 238.
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- E-4) Smith, T.C., 1986, Landslide hazards in the southeastern part of the Petaluma dairy belt, **Sonoma** County, California: California Division of Mines and Geology Open-File Report 86-05, Landslide Hazard Identification Map No. 1, scale 1:24,000. Quadrangles covered: 227, 233, 234.
- E-5) Wagner, D.L., Geology for planning in western **Marin** County, California: California Division of Mines and Geology Open-File Report 77-15, scale 1:12,000. Quadrangles covered: 232, 235, 236, 240.

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## SUMMARY

Identifying areas with unstable or potentially unstable slopes is a first step in the management of land use activities with a goal toward minimizing environmental impacts (Soeters and van Westen, 1996). Preparation of landslide maps to aid in timber management on private lands in the northern California Coast Ranges began in 1979 with the publication of Title II landslide maps prepared by the California Department of Forestry. These maps were derived from published sources and interpretation of small-scale U-2 aerial imagery. For examples of Title II landslide maps see Durham (1979) and Ristau (1979). Systematic mapping of geologic and geomorphic features related to landsliding by the California Department of Conservation's Division of Mines and Geology (DMG) was initiated in the early 1980s. Concurrently, the California Department of Water Resources undertook landslide mapping in targeted watersheds. These maps were prepared through interpretations of 1:24,000 aerial photographs flown specifically for the project and field reconnaissance. The purpose of these maps was to help reduce sedimentation in north coast streams, protect fish habitat, retain productive forest soils, and provide planning guides for timber harvesting and other forest management activities. For a complete description of the earlier mapping projects, see Bedrossian (1983 and 1986). Maps prepared by DMG under the Watershed Mapping Project are available on the Department of Conservation's website at: <http://www.consrv.ca.gov/dmg/ws/index.htm>.

The recent listing of coho salmon and the anticipated listing of steelhead trout as threatened species (Bisson and others, 1997; Working Group of the Watershed Protection and Restoration Council, 1998) focuses the need for continued identification of areas where timber harvesting activities and other land uses may increase the incidence of landsliding (Amaranthus and others, 1985; Cafferata and Spittler, 1998; Gray, 1970; Sidel and others, 1985). Although landslide maps may be used for other purposes, this map of 7.5' quadrangles indexed to published landslide maps (Plate 1) is designed to aid those who prepare or review Timber Harvesting Plans on non-federal lands.

Within the northern California Coast Ranges from Monterey County to the Oregon border, 162 publications with landslide maps have been identified for the indexed 7.5' U.S. Geological Survey topographic quadrangles where timber harvesting is conducted on private or state-owned lands. Maps specific to federal lands are not included in this index because the State does not review timber sales in these areas, and many of the older slope stability maps are no longer available.

Each 7.5' quadrangle cited in this publication is assigned a reference number that is listed in the index along with its associated landslide map references. Where landslide maps cover portions of several quadrangles, such as county- or watershed-based maps, the landslide reference is listed on each quadrangle. Where no landslide maps have been identified for a given quadrangle no references are listed. These quadrangles are still included in this index so that future map references can be added. All the landslide maps that cover any portion of a quadrangle in the indexed area are included in the listing.

This index does not attempt to designate the relative quality of mapping. However, newer maps at large scales typically better represent slope stability conditions than older or smaller-scale maps. These maps are to be used for planning purposes to aid Registered Professional Foresters preparing Timber Harvesting Plans in the disclosure of known landslides or unstable areas. They are also to help California licensed geologists and other professionals with studies they may be conducting associated with timber harvesting operations. This map of quadrangles indexed to published landslide maps will be updated and expanded as new maps are published.

The indexed landslide maps are not the only sources that may be used for identifying potentially unstable areas. Geographic Information Systems models of unstable slopes (Dietrich and Montgomery, in press; Division of Mines and Geology and others, 1997; McCrink and Real, 1996) may also provide useful information that may augment the existing mapping. Because of the variable quality of the existing maps and topographic bases for the models, additional aerial photographic interpretation and field mapping of landslides by qualified professionals may also be needed.

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U.S. Geological Survey 7.5' quadrangle name and index number  
for northern California Coast Ranges landslide map inventory.

Aetna Springs	205
Ah Pah Ridge	25
Alderpoint	92
Annapolis	198
Arcata North	46
Arcata South	52
Arched Rock	216
Asti	193
Bailey Ridge	160
Bald Hills	35
Bark Shanty Gulch	28
Bartlett Mountain	165
Bartlett Springs	166
Bear Harbor	102
Bear Peak	18
Bell Springs	105
Benmore Canyon	177
Big Basin	249
Big Sur	266
Big Foot Mountain	191
Black Lassic	85
Blake Mountain	70
Blocksburg	84
Blue Creek Mountain	26
Blue Lake	47
Bluenose Ridge	108
Board Camp Mountain	62
Bodega Head	224
Bolinas	240
Boonville	171
Briceland	96
Bridgeville	76
Broken Rib Mountain	5
Brushy Mountain	132
Buckeye Mountain	80
Bull Creek	81
Burbeck	139
Cahto Peak	120
Calistoga	213
Camp Meeker	218
Cannibal Island	57
Cant Hook Mountain	15
Cape Mendocino	71
Capetown	72
Castle Rock Ridge	250

Cazadero	209
Childs Hill	14
Chiles Valley	215
Chimney Rock	22
Clearlake Highlands	186
Clearlake Oaks	176
Cloverdale	192
Cold Spring	169
Comptche	149
Cooskie Creek	86
Cotati	227
Covelo East	116
Covelo West	115
Cow Mountain	163
Crannell	40
Crescent City	7
Crockett Peak	144
Cupertino	247
Davenport	255
Detert Reservoir	204
Devils Punchbowl	11
Dillon Mountain	23
Dinsmore	78
Dos Rios	122
Double Point	239
Drakes Bay	235
Duncan Mills	217
Dutchmans Knoll	128
Elk	158
Elk Mountain	154
Elledge Peak	172
Ettersburg	89
Eureka	51
Eureka Hill	179
Felton	256
Fern Canyon	24
Ferndale	64
Fields Landing	58
Fish Lake	32
Fort Bragg	136
Fort Ross	208
Fort Seward	91
Fortuna	65
Foster Mountain	141
Fouts Springs	156

Franklin Point	248
French Camp Ridge	36
Garberville	97
Gasquet	9
Geyserville	201
Gilmore Peak	157
Gilroy	260
Glen Ellen	228
Greenough Ridge	150
Grouse Mountain	55
Gualala	188
Gube Mountain	190
Guerneville	210
Hales Grove	111
Half Moon Bay	243
Harris	98
Healdsburg	211
Hennessy Peak	56
High Divide	2
High Plateau Mountain	3
Highland Springs	184
Hiouchi	8
Holter Ridge	30
Honeydew	88
Hoopa	43
Hopkins Butte	38
Hopland	183
Hough Springs	167
Hull Mountain	134
Hupa Mountain	42
Hurdygurdy Butte	10
Hydesville	66
Iaqua Buttes	60
Inglenook	127
Inverness	236
Iron Peak	114
Jamison Ridge	123
Jewett Rock	99
Jimtown	202
Johnsons	31
Kelseyville	185
Kenwood	221
Klamath Glen	20
Kneecap Ridge	135
Korbel	53



U.S. Geological Survey 7.5' quadrangle name and index number  
for northern California Coast Ranges landslide map inventory.

La Honda	245
Lake Mountain	100
Lake Pillsbury	143
Lakeport	174
Larabee Valley	77
Laughlin Range	151
Laurel	257
Laytonville	121
Leech Lake Mountain	109
Leggett	112
Lincoln Ridge	119
Loma Prieta	258
Lonesome Ridge	27
Long Ridge	101
Longvale	130
Lord Ellis Summit	48
Los Gatos	251
Lower Lake	187
Lucerne	175
Mad River Buttes	61
Mallo Pass Creek	168
Maple Creek	54
Mark West Springs	212
Mathison Peak	148
McGuire Ridge	189
McWhinney Creek	59
Mendocino	147
Middletown	196
Mina	107
Mindego Hill	246
Miranda	90
Mistake Point	110
Montara Mountain	242
Morgan Hill	253
Moss Landing	265
Mount Madonna	259
Mount Sizer	254
Mount St. Helena	203
Myers Flat	83
Napa	230
Navarro	159
Newhouse Ridge	117
Noble Butte	104
Northspur	138
Novato	238

Noyo Hill	137
Orick	2
Orleans	33
Ornbaun Valley	181
Orrs Springs	161
Owl Creek	67
Panther Creek	41
Partington Ridge	269
Petaluma	233
Petaluma River	234
Petrolia	79
Pfeiffer Point	268
Philo	170
Piercy	103
Plantation	207
Plaskett Meadows	126
Plaskett Ridge	125
Point Arena	178
Point Reyes NE	232
Polar Bear Mountain	6
Potato Hill	155
Potter Valley	153
Prescott Mountain	17
Preston Peak	12
Purdys Gardens	173
Redcrest	75
Redwood Valley	152
Requa	19
Rodgers Peak	34
Rutherford	222
Salyer	50
San Geronimo	237
San Rafael	241
Sanhedrin Mountain	133
Santa Cruz	261
Santa Rosa	220
Santa Teresa Hills	252
Scotia	74
Sebastopol	219
Shannon Butte	94
Shelly Creek Ridge	4
Shelter Cove	95
Sherwood Peak	129
Ship Mountain	16
Showers Mountain	69

Shubrick Peak	87
Sims Mountain	63
Sister Rocks	13
Smith River	1
Sonoma	229
Soquel	262
St. Helena	214
St. John Mountain	145
Stewarts Point	197
Stonyford	146
Summit Valley	21
Tan Oak Park	113
Taylor Peak	73
Thatcher Ridge	124
The Geysers	194
Tish Tang Point	44
Tomales	231
Tombs Creek	199
Trinidad	39
Two Rock	226
Tyee City	45
Ukiah	162
Updegraff Ridge	106
Upper Lake	164
Valley Ford	225
Van Arsdale Reservoir	142
Ventana Cones	267
Walter Springs	206
Warm Springs Dam	200
Watsonville East	264
Watsonville West	263
Weitchpec	37
Weott	82
Westport	118
Whispering Pines	195
Willis Ridge	131
Willits	140
Willow Creek	49
Woodside	244
Yager Junction	68
Yorkville	182
Yountville	223
Zeni Ridge	180
Zenia	93

Quadrangle No.	Name	Reference Numbers	Quadrangle No.	Name	Reference Numbers
1	Smith River	1	49	Willow Creek	12, 24
2	High Divide	2, 3	50	Salyer	12, 25, 24
3	High Plateau Mountain		51	Eureka	20, 26
4	Shelly Creek Ridge		52	Arcata South	20, 27, N-1
5	Broken Rib Mountain		53	Korbel	12, 23, 28, N-1
6	Polar Bear Mountain		54	Maple Creek	12, 23
7	Crescent City	2, 4, 5	55	Grouse Mountain	12, 24, 160
8	Hiouchi	2, 6	56	Hennessy Peak	12, 24, 25
9	Gasquet		57	Cannibal Island	30
10	Hurdygurdy Butte		58	Fields Landing	31, 26, 33
11	Devils Punchbowl		59	McWhinney Creek	33, 34, 35, N-1
12	Preston Peak		60	Iaqua Buttes	12, 34, 36, N-1
13	Sister Rocks	5, 9	61	Mad River Buttes	12
14	Childs Hill	8, 9	62	Board Camp Mountain	12, 37, 160
15	Cant Hook Mountain	10	63	Sims Mountain	12, 25, 37, 160
16	Ship Mountain	10	64	Ferndale	30, 38
17	Prescott Mountain		65	Fortuna	33, 39
18	Bear Peak		66	Hydesville	33, 34, 40
19	Requa	9, 11	67	Owl Creek	12, 34
20	Klamath Glen	10, 160	68	Yager Junction	12, 34
21	Summit Valley	10, 160	69	Showers Mountain	12, 34, 37
22	Chimney Rock		70	Blake Mountain	12, 37, 41
23	Dillon Mountain		71	Cape Mendocino	42
24	Fern Canyon		72	Capetown	42, 43
25	Ah Pah Ridge	12, 13, 160	73	Taylor Peak	34, 44, 45
26	Blue Creek Mountain	12, 13, 160	74	Scotia	34, 44, 46
27	Lonesome Ridge	14, 160	75	Redcrest	34, 47, 48
28	Bark Shanty Gulch	14	76	Bridgeville	34, 47, 49
29	Orick	12, 15	77	Larabee Valley	34, 50
30	Holter Ridge	12, 13	78	Dinsmore	34, 50
31	Johnsons	12, 13	79	Petrolia	42
32	Fish Lake	14	80	Buckeye Mountain	44, 51
33	Orleans	14	81	Bull Creek	44, 52
34	Rodgers Peak		82	Weott	34, 47, 53
35	Bald Hills	12, 16	83	Myers Flat	34, 47, 54
36	French Camp Ridge	12, 16	84	Blocksburg	34, 50
37	Weitchpec	17	85	Black Lassic	34, 50
38	Hopkins Butte	17	86	Cooskie Creek	
39	Trinidad	12, 18	87	Shubrick Peak	55
40	Crannell		88	Honeydew	55, 56
41	Panther Creek	12, 16	89	Ettersburg	57
42	Hupa Mountain	12, 16	90	Miranda	57, 58
43	Hoopa	17	91	Fort Seward	34, 59
44	Tish Tang Point	17	92	Alderpoint	34, 59
45	Tyee City	20	93	Zenia	34, 60
46	Arcata North	20, 21	94	Shannon Butte	34, 60
47	Blue Lake	12, 22, 23	95	Shelter Cove	55
48	Lord Ellis Summit	12, 23	96	Briceland	57, 61

Quadrangle No.	Name	Reference Numbers	Quadrangle No.	Name	Reference Numbers
97	Garberville	57, 62	145	St. John Mountain	
98	Harris	59, 63	146	Stonyford	
99	Jewett Rock	59	147	Mendocino	87, 90, 96
100	Lake Mountain	34, 60	148	Mathison Peak	90, 97
101	Long Ridge	34, 60	149	Comptche	90, 98
102	Bear Harbor	64	150	Greenough Ridge	92, 99
103	Piercy	64, 65	151	Laughlin Range	92
104	Noble Butte	66, 67	152	Redwood Valley	94
105	Bell Springs	67	153	Potter Valley	94
106	Updegraff Ridge	19	154	Elk Mountain	95
107	Mina	19	155	Potato Hill	95
108	Bluenose Ridge		156	Fouts Springs	
109	Leech Lake Mountain		157	Gilmore Peak	
110	Mistake Point	64	158	Elk	100, 101
111	Hales Grove	64, 68	159	Navarro	100, 102
112	Leggett	67, 69	160	Bailey Ridge	103, 104
113	Tan Oak Park	67, 70	161	Orrs Springs	103
114	Iron Peak	19, 71	162	Ukiah	105, 106
115	Covelo West	19, 72	163	Cow Mountain	105, 107, 108
116	Covelo East	72	164	Upper Lake	109
117	Newhouse Ridge		165	Bartlett Mountain	109
118	Westport	73, 74	166	Bartlett Springs	
119	Lincoln Ridge	75, 76	167	Hough Springs	
120	Cahto Peak	75, 77	168	Mallo Pass Creek	100, 110
121	Laytonville	78, 79	169	Cold Spring	100, 111
122	Dos Rios	78	170	Philo	103, 161
123	Jamison Ridge	80	171	Boonville	103
124	Thatcher Ridge	80	172	Elledge Peak	105
125	Plaskett Ridge	81	173	Purdys Gardens	105
126	Plaskett Meadows	81	174	Lakeport	109
127	Inglenook	73, 82	175	Lucerne	109, 162
128	Dutchmans Knoll	75, 83	176	Clearlake Oaks	162
129	Sherwood Peak	75, 84	177	Benmore Canyon	162
130	Longvale	78, 85	178	Point Arena	112, 113
131	Willis Ridge	78	179	Eureka Hill	113, 115, 116
132	Brushy Mountain	80	180	Zeni Ridge	117, 118
133	Sanhedrin Mountain	80	181	Ornbaun Valley	117
134	Hull Mountain	81	182	Yorkville	119, 120
135	Kneecap Ridge	81	183	Hopland	119, 120
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137	Noyo Hill	88, 89, 90	185	Kelseyville	120, 121
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139	Burbeck	92, 93	187	Lower Lake	122
140	Willits	92	188	Gualala	113, 118, 123, 124, 125, 127
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142	Van Arsdale Reservoir	94, 103	189	McGuire Ridge	117, 123, 125, 127, 129
143	Lake Pillsbury	95			
144	Crockett Peak	95	190	Gube Mountain	117, 123, 127

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191	Big Foot Mountain	119, 120, 123, 127, 130	226	Two Rock	123, 127, 132
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193	Asti	29, 120, 121, 123, 127, 130	228	Glen Ellen	123, 127, 134, 135
194	The Geysers	29, 107, 120, 121, 123, 127, 130	229	Sonoma	123, 127, 135
195	Whispering Pines	29, 122, 123, 127, 130	230	Napa	127, 135
196	Middletown	122, 127	231	Tomales	125, 127, 131, 133, 136, 137
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200	Warm Springs Dam	123, 127, 135	235	Drakes Bay	127, 131, 136, 137, E-5
201	Geyserville	29, 123, 127, 126	236	Inverness	127, 136, 137, E-5
202	Jimtown	29, 123, 127, 126	237	San Geronimo	127, 136, 137, 138, E-2, E-3
203	Mount St. Helena	32, 123, 127, 135	238	Novato	127, 136, 137, 138, E-2, E-3
204	Detert Reservoir	32, 127, 135	239	Double Point	127, 137
205	Aetna Springs	127, 128, 135	240	Bolinas	127, 136, 137, E-1, E-3, E-5
206	Walter Springs	127, 128, 135	241	San Rafael	127, 136, 137, 138
207	Plantation	123, 125, 127, 131	242	Montara Mountain	127, 139, 140, 141, 142, 143
208	Fort Ross	123, 127, 135	243	Half Moon Bay	127, 139, 140, 141
209	Cazadero	123, 127, 135	244	Woodside	127, 139, 140, 141, 144
210	Guerneville	123, 126	245	La Honda	127, 139, 140, 141, 145
211	Healdsburg	123, 126, 127	246	Mindego Hill	127, 139, 140, 141, 146, 147
212	Mark West Springs	32, 123, 127, 135	247	Cupertino	127, 141, 146, 148
213	Calistoga	32, 123, 127, 135	248	Franklin Point	127, 139, 140, 141, 149, 150, 151
214	St. Helena	29, 127, 135, 128	249	Big Basin	7, 127, 139, 140, 141, 146, 149, 159
215	Chiles Valley	127, 135, 128	250	Castle Rock Ridge	127, 141, 146, 149, 151, 157
216	Arched Rock	123, 125, 127, 131	251	Los Gatos	127, 146, 151
217	Duncan Mills	123, 125, 127, 133	252	Santa Teresa Hills	127, 152, 153
218	Camp Meeker	123, 127, 132	253	Morgan Hill	127, 152
219	Sebastopol	123, 127, 132, 158			
220	Santa Rosa	123, 127, 134, 135			
221	Kenwood	123, 127, 134, 135			
222	Rutherford	123, 127, 135			
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224	Bodega Head	123, 125, 127, 131, 133, E-1			
225	Valley Ford	123, 125, 127, 132, 133, E-1			

Quadrangle No.	Name	Reference Numbers	Quadrangle No.	Name	Reference Numbers
254	Mount Sizer	127, 152	260	Gilroy	127, 152
255	Davenport	127, 146, 149, 151, 154	261	Santa Cruz	127, 146, 149, 151
256	Felton	127, 146, 149, 151, 155	262	Soquel	127, 146, 149, 151
257	Laurel	127, 146, 149, 151, 156	263	Watsonville West	127, 146, 149, 151
258	Loma Prieta	127, 146, 149, 151, 156	264	Watsonville East	127, 146, 151
259	Mount Madonna	127, 151, 152	265	Moss Landing	
			266	Big Sur	
			267	Ventana Cones	
			268	Pfeiffer Point	
			269	Partington Ridge	

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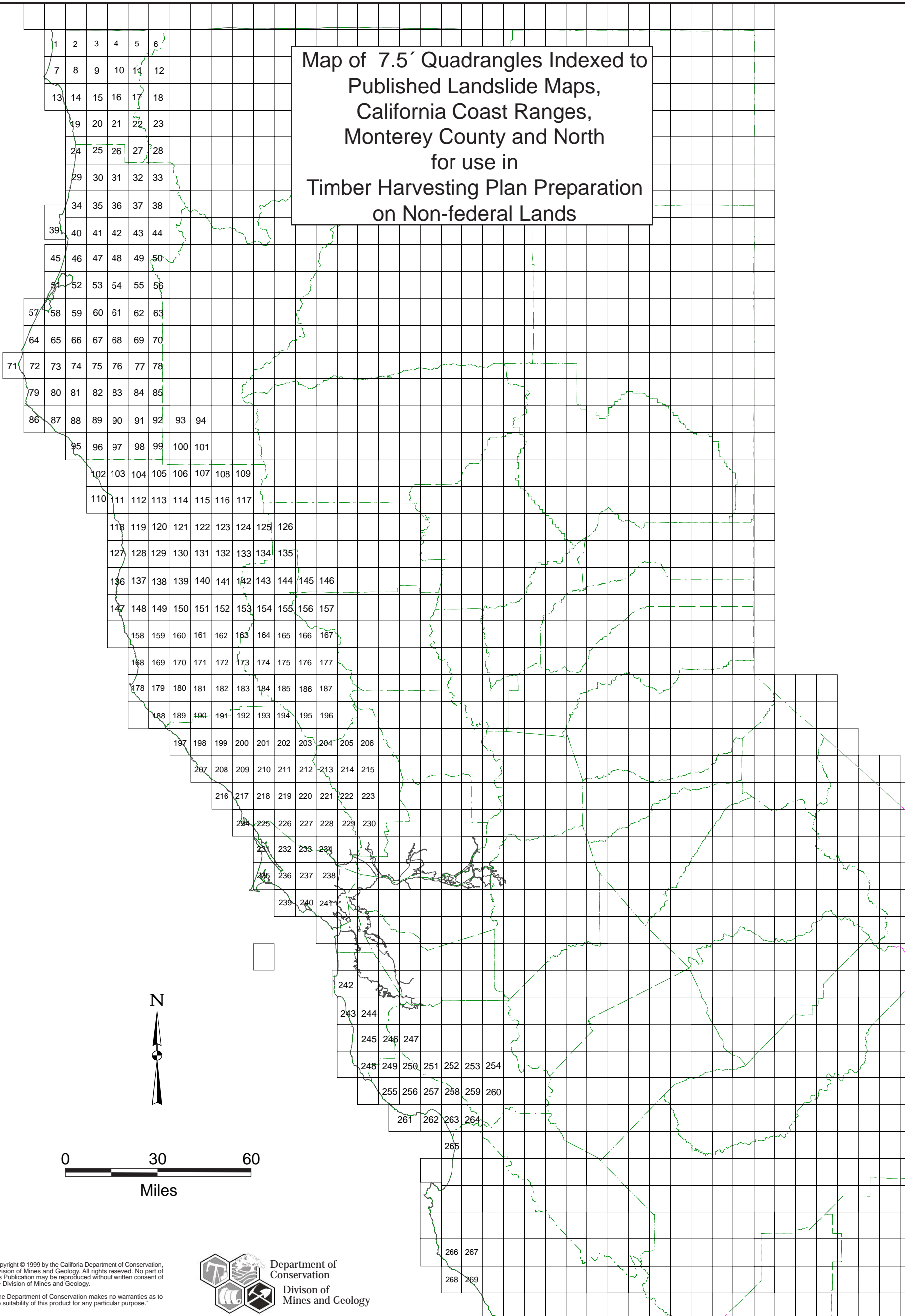
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Map of 7.5' Quadrangles Indexed to  
Published Landslide Maps,  
California Coast Ranges,  
Monterey County and North  
for use in  
Timber Harvesting Plan Preparation  
on Non-federal Lands



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