

**First Named Component** Leaching Index Values for CRP  
 Matanuska-Susitna Valley Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Component Name	Map Unit Name	Drained Index	Undrained Index
101	BENKA	BENKA SILT LOAM, 0 TO 3 PERCENT SLOPES		2
102	BENKA SLOPING	BENKA SILT LOAM, SLOPING AND MODERATELY STEEP		2
103	BENKA	BENKA SILT LOAM, UNDULATING		2
104	BENKA	BENKA-LITEN COMPLEX, NEARLY LEVEL AND MODERATELY STEEP		2
105	BODENBURG	BODENBURG SILT LOAM, 0 TO 3 PERCENT SLOPES		2
106	BODENBURG SLOPING	BODENBURG SILT LOAM, SLOPING AND MODERATELY STEEP		2
107	BODENBURG STEEP	BODENBURG SILT LOAM, STEEP AND SLOPING		2
108	BODENBURG	BODENBURG SILT LOAM, UNDULATING		2
109	BODENBURG SILTY	BODENBURG SILT LOAM, SILTY SUBSTRATUM, 0 TO 3 PERCENT SLOPES		2
110	BODENBURG SILTY, SLOPING	BODENBURG SILT LOAM, SILTY SUBSTRATUM, SLOPING AND MODERATELY STEEP		2
111	BODENBURG SILTY	BODENBURG SILT LOAM, SILTY SUBSTRATUM, UNDULATING		2
112	BODENBURG STEEP	BODENBURG-JIM COMPLEX, STEEP AND SLOPING		2
113	CHILLIGAN	CHILLIGAN, HILLY-CRYAQUEPTS COMPLEX		3
114	CHILLIGAN	CHILLIGAN, UNDULATING-CRYAQUEPTS COMPLEX		3
115	CHUNILNA COOL	CHUNILNA MUCKY SILT LOAM, COOL, 5 TO 20 PERCENT SLOPES		1
118	NIKLASON MODERATELY WET	CRYODS, COOL-NIKLASON, MODERATELY WET-QENI COMPLEX, 0 TO 15 PERCENT SLOPES		3
122	DECEPTION	DECEPTION SILT LOAM, ROLLING		3
123	DECEPTION SLOPING	DECEPTION SILT LOAM, SLOPING AND MODERATELY STEEP		3
124	DECEPTION STEEP	DECEPTION SILT LOAM, STEEP AND SLOPING		3
125	DECEPTION	DECEPTION SILT LOAM, UNDULATING		3
126	DELYNDIA	DELYNDIA SILT LOAM, 0 TO 5 PERCENT SLOPES		3
127	DELYNDIA	DELYNDIA-HISTOSOLS COMPLEX, 0 TO 3 PERCENT SLOPES		3
128	DISAPPOINT	DISAPPOINT VERY COBBLY MUCKY SILT LOAM, 0 TO 12 PERCENT		1
129	ESKA SLOPING	ESKA SILT LOAM, SLOPING AND MODERATELY STEEP		2
130	ESKA SLOPING	ESKA-JIM COMPLEX, SLOPING AND MODERATELY STEEP		2
131	ESTELLE	ESTELLE SILT LOAM, ROLLING		2
132	ESTELLE SLOPING	ESTELLE SILT LOAM, SLOPING AND MODERATELY STEEP		2
133	ESTELLE STEEP	ESTELLE SILT LOAM, STEEP AND SLOPING		2
134	ESTELLE	ESTELLE SILT LOAM, UNDULATING		2
135	ESTELLE	ESTELLE, HILLY-DISAPPOINT COMPLEX		2
136	ESTELLE	ESTELLE, UNDULATING-DISAPPOINT COMPLEX		2
137	FLAT HORN	FLAT HORN SILT LOAM, 0 TO 5 PERCENT SLOPES		2
138	FLAT HORN	FLAT HORN SILT LOAM, ROLLING		2
139	FLAT HORN SLOPING	FLAT HORN SILT LOAM, SLOPING AND MODERATELY STEEP		2
140	GOLDCORD	GOLDCORD-TSADAKA COMPLEX, 0 TO 30 PERCENT SLOPES		1
143	KALAMBACH SLOPING	KALAMBACH SILT LOAM, SLOPING AND MODERATELY STEEP		2

**First Named Component** Leaching Index Values for CRP  
 Matanuska-Susitna Valley Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Component Name	Map Unit Name	Drained Index	Undrained Index
144	KALAMBACH STEEP	KALAMBACH SILT LOAM, STEEP AND SLOPING		2
145	KALAMBACH	KALAMBACH SILT LOAM, UNDULATING		2
146	KALAMBACH	KALAMBACH-DISAPPOINT COMPLEX, 0 TO 10 PERCENT SLOPES		2
147	KASHWITNA	KASHWITNA SILT LOAM, 0 TO 3 PERCENT SLOPES		3
148	KASHWITNA SLOPING	KASHWITNA SILT LOAM, SLOPING AND MODERATELY STEEP		3
149	KASHWITNA	KASHWITNA SILT LOAM, UNDULATING		3
150	KEBA	KEBA SILT LOAM, UNDULATING		2
151	KICHATNA	KICHATNA SILT LOAM, 0 TO 3 PERCENT SLOPES		3
152	KICHATNA SLOPING	KICHATNA SILT LOAM, SLOPING AND MODERATELY STEEP		3
153	KICHATNA STEEP	KICHATNA SILT LOAM, STEEP AND SLOPING		3
154	KICHATNA	KICHATNA SILT LOAM, UNDULATING		3
155	KICHATNA	KICHATNA-DECEPTION COMPLEX, SLOPING AND MODERATELY STEEP		3
156	KICHATNA STEEP	KICHATNA-DECEPTION COMPLEX, STEEP AND SLOPING		3
157	KICHATNA	KICHATNA-DELYNDIA COMPLEX, MODERATELY STEEP AND GENTLY SLOPING		3
158	KICHATNA	KICHATNA-DELYNDIA SILT LOAMS, 0 TO 4 PERCENT SLOPES		3
159	KIDAZQENI COOL	KIDAZQENI, COOL AND NIKLASON, COOL SOILS, 4 TO 12 PERCENT SLOPES		3
160	KIDAZQENI	KIDAZQENI SILT LOAM, RARELY FLOODED, 0 TO 2 PERCENT SLOPES		3
161	KIDAZQENI MODERATELY WET	KIDAZQENI SOILS, 0 TO 2 PERCENT SLOPES		3
162	KIDAZQENI	KIDAZQENI-NIKLASON COMPLEX, 0 TO 2 PERCENT SLOPES		3
163	KILLEY	KILLEY AND MOOSE RIVER SOILS, 0 TO 2 PERCENT SLOPES		1
164	KNIK	KNIK SILT LOAM, 0 TO 3 PERCENT SLOPES		1
165	KNIK GENTLY SLOPING	KNIK SILT LOAM, GENTLY SLOPING AND MODERATELY STEEP		1
166	KNIK STEEP	KNIK SILT LOAM, STEEP AND SLOPING		1
167	KNIK	KNIK SILT LOAM, UNDULATING		1
168	KNIK	KNIK-CRYAQUEPTS COMPLEX, 0 TO 25 PERCENT SLOPES		1
169	LITEN	LITEN SILT LOAM, HILLY		3
171	NANCY	NANCY SILT LOAM, 0 TO 3 PERCENT SLOPES		2
172	NANCY SLOPING	NANCY SILT LOAM, SLOPING AND MODERATELY STEEP		2
173	NANCY STEEP	NANCY SILT LOAM, STEEP AND SLOPING		2
174	NANCY	NANCY SILT LOAM, UNDULATING		2
175	NANCY	NANCY-CRYAQUEPTS COMPLEX, 0 TO 5 PERCENT SLOPES		2
176	NANCY SLOPING	NANCY-TOKOSITNA COMPLEX, SLOPING AND MODERATELY STEEP		2
177	NANCY STEEP	NANCY-TOKOSITNA COMPLEX, STEEP AND SLOPING		2
178	NANCY	NANCY-TOKOSITNA COMPLEX, UNDULATING		2
180	PSUYAAH	PSUYAAH-SNOWDANCE COMPLEX, 5 TO 20 PERCENT SLOPES		1
181	QENI COOL	QENI, COOL-NIKLAVAR, COOL-CRYODS, COLD COMPLEX, 0 TO 25 PERCENT SLOPES		1
182	NIKLAVAR FREQUENTLY FLOODED	RIVERWASH AND NIKLAVAR SOILS, 0 TO 2 PERCENT SLOPES		1
184	SIWASH	SIWASH-TALKEETNA, COOL-SNOWDANCE ASSOCIATION, 0 TO 30 PERCENT SLOPES		1
185	SUSITNA	SUSITNA SILT LOAM, 0 TO 2 PERCENT SLOPES		2

**First Named Component** Leaching Index Values for CRP  
 Matanuska-Susitna Valley Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Component Name	Map Unit Name	Drained Index	Undrained Index
186	SUSIVAR	SUSIVAR-MOOSE RIVER COMPLEX, 0 TO 2 PERCENT SLOPES		1
187	SUSIVAR	SUSIVAR AND NIKLAVAR FINE SANDY LOAMS		1
188	TALKEETNA WARM	TALKEETNA VERY FINE SANDY LOAM, WARM, 15 TO 35 PERCENT SLOPES		1
189	TALKEETNA	TALKEETNA-TALKEETNA, THICK SURFACE COMPLEX, 15 TO 35 PERCENT SLOPES		1
190	TALKEETNA WARM	TALKEETNA, WARM-TALKEETNA, THICK SURFACE COMPLEX, HILLY		2
191	TALKEETNA WARM	TALKEETNA, WARM AND TALKEETNA, THICK SURFACE SOILS, 15 TO 45 PERCENT SLOPES		2
192	TALKEETNA LOW ELEVATION	TALKEETNA, LOW ELEVATION-DENEKA, LOW ELEVATION ASSOCIATION, STEEP AND MODERATELY STEEP		2
193	TALKEETNA WARM	TALKEETNA, WARM-TALKEETNA, THICK SURFACE- DENEKA COMPLEX, HILLY		2
194	TALKEETNA COOL	TALKEETNA, COOL-SNOWDANCE COMPLEX, 5 TO 25 PERCENT SLOPES		2
195	TALKEETNA COOL	TALKEETNA, COOL-TSADAKA-CHUNILNA, COOL COMPLEX, 10 TO 35 PERCENT SLOPES		2
197	TOKOSITNA SLOPING	TOKOSITNA SILT LOAM, SLOPING AND MODERATELY STEEP		2
198	TOKOSITNA STEEP	TOKOSITNA SILT LOAM, STEEP AND SLOPING		2
199	TOKOSITNA	TOKOSITNA SILT LOAM, UNDULATING		2
200	TOKOSITNA	TOKOSITNA, HILLY-CHUNILNA COMPLEX		2
201	TOKOSITNA	TOKOSITNA, UNDULATING-CHUNILNA COMPLEX		2
202	TSADAKA	TSADAKA-TALKEETNA, COOL COMPLEX, 5 TO 25 PERCENT SLOPES		2
205	WHITSOL	WHITSOL SILT LOAM, 0 TO 2 PERCENT SLOPES		1
206	WHITSOL COOL, SLOPING	WHITSOL SILT LOAM, COOL, SLOPING AND MODERATELY STEEP		2
207	WHITSOL COOL, STEEP	WHITSOL SILT LOAM, COOL, STEEP AND SLOPING		2
208	WHITSOL SILTY	WHITSOL SILT LOAM, SILTY SUBSTRATUM, 0 TO 7 PERCENT SLOPES		2
209	WHITSOL SILTY, SLOPING	WHITSOL SILT LOAM, SILTY SUBSTRATUM, SLOPING AND MODERATELY STEEP		2
210	WHITSOL TILL, SLOPING	WHITSOL SILT LOAM, TILL SUBSTRATUM, SLOPING AND MODERATELY STEEP		2
211	WHITSOL TILL	WHITSOL SILT LOAM, TILL SUBSTRATUM, UNDULATING		2
212	YENSUS	YENSUS SILT LOAM, 0 TO 2 PERCENT SLOPES		2
213	YENSUS SLOPING	YENSUS SILT LOAM, SLOPING AND MODERATELY STEEP		2
214	YENSUS	YENSUS SILT LOAM, UNDULATING		2
215	YOHN	YOHN SILT LOAM, 0 TO 5 PERCENT SLOPES		2
216	YOHN	YOHN SILT LOAM, ROLLING		2
217	YOHN	YOHN-DECEPTION COMPLEX, ROLLING		2
218	YOHN	YOHN-DELYNDIA COMPLEX, HILLY		2
219	YOHN	YOHN-FLAT HORN COMPLEX, ROLLING		2

**First Named Component** Leaching Index Values for CRP  
Matanuska-Susitna Valley Area, Alaska: Detailed Soil Map Legend (update)

Footnotes

This report produces Leaching Index Values (1, 2 and 3) suitable for use as described in Part 539.58 - National Ranking Factor N2, Subfactor B in the CRP Manual. The index information presented in the report is based on data from the first named component of the soil map unit.

The values 1, 2 and 3 are derived by using the same algorithms included in the SOIL PESTICIDE INTERACTION SCREENING PROCEDURE II, Goss and Wauchope, November, 1990. These algorithms produce the leaching values 1, 2, 3 and 4 but this report reverses the order of meaning and combines values 3 and 4. Thus, this report, as required by CRP rules correctly reports 1 as low, 2 as medium, and 3 as high. These values are ready for use in determining sign-up scores for National ranking subfactor N2 without further code conversion.

**Weighted Average** Leaching Index Values for CRP  
 Matanuska-Susitna Valley Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Map Unit Name	Drained Index	Undrained Index
101	BENKA SILT LOAM, 0 TO 3 PERCENT SLOPES		2
102	BENKA SILT LOAM, SLOPING AND MODERATELY STEEP		2
103	BENKA SILT LOAM, UNDULATING		2
104	BENKA-LITEN COMPLEX, NEARLY LEVEL AND MODERATELY STEEP		2
105	BODENBURG SILT LOAM, 0 TO 3 PERCENT SLOPES		2
106	BODENBURG SILT LOAM, SLOPING AND MODERATELY STEEP		2
107	BODENBURG SILT LOAM, STEEP AND SLOPING		2
108	BODENBURG SILT LOAM, UNDULATING		2
109	BODENBURG SILT LOAM, SILTY SUBSTRATUM, 0 TO 3 PERCENT SLOPES		2
110	BODENBURG SILT LOAM, SILTY SUBSTRATUM, SLOPING AND MODERATELY STEEP		2
111	BODENBURG SILT LOAM, SILTY SUBSTRATUM, UNDULATING		2
112	BODENBURG-JIM COMPLEX, STEEP AND SLOPING		2
113	CHILLIGAN, HILLY-CRYAQUEPTS COMPLEX		3
114	CHILLIGAN, UNDULATING-CRYAQUEPTS COMPLEX		3
115	CHUNILNA MUCKY SILT LOAM, COOL, 5 TO 20 PERCENT SLOPES		1
118	CRYODS, COOL-NIKLASON, MODERATELY WET-QENI COMPLEX, 0 TO 15 PERCENT SLOPES		2
122	DECEPTION SILT LOAM, ROLLING		3
123	DECEPTION SILT LOAM, SLOPING AND MODERATELY STEEP		3
124	DECEPTION SILT LOAM, STEEP AND SLOPING		3
125	DECEPTION SILT LOAM, UNDULATING		3
126	DELYNDIA SILT LOAM, 0 TO 5 PERCENT SLOPES		3
127	DELYNDIA-HISTOSOLS COMPLEX, 0 TO 3 PERCENT SLOPES		3
128	DISAPPOINT VERY COBBLY MUCKY SILT LOAM, 0 TO 12 PERCENT SLOPES		1
129	ESKA SILT LOAM, SLOPING AND MODERATELY STEEP		2
130	ESKA-JIM COMPLEX, SLOPING AND MODERATELY STEEP		2
131	ESTELLE SILT LOAM, ROLLING		2
132	ESTELLE SILT LOAM, SLOPING AND MODERATELY STEEP		2
133	ESTELLE SILT LOAM, STEEP AND SLOPING		2
134	ESTELLE SILT LOAM, UNDULATING		2
135	ESTELLE, HILLY-DISAPPOINT COMPLEX		2
136	ESTELLE, UNDULATING-DISAPPOINT COMPLEX		2
137	FLAT HORN SILT LOAM, 0 TO 5 PERCENT SLOPES		2
138	FLAT HORN SILT LOAM, ROLLING		2
139	FLAT HORN SILT LOAM, SLOPING AND MODERATELY STEEP		2
140	GOLDCORD-TSADAKA COMPLEX, 0 TO 30 PERCENT SLOPES		1
143	KALAMBACH SILT LOAM, SLOPING AND MODERATELY STEEP		2
144	KALAMBACH SILT LOAM, STEEP AND SLOPING		2
145	KALAMBACH SILT LOAM, UNDULATING		2
146	KALAMBACH-DISAPPOINT COMPLEX, 0 TO 10 PERCENT SLOPES		2
147	KASHWITNA SILT LOAM, 0 TO 3 PERCENT SLOPES		3
148	KASHWITNA SILT LOAM, SLOPING AND MODERATELY STEEP		3
149	KASHWITNA SILT LOAM, UNDULATING		3
150	KEBA SILT LOAM, UNDULATING		2
151	KICHATNA SILT LOAM, 0 TO 3 PERCENT SLOPES		3
152	KICHATNA SILT LOAM, SLOPING AND MODERATELY STEEP		3
153	KICHATNA SILT LOAM, STEEP AND SLOPING		3
154	KICHATNA SILT LOAM, UNDULATING		3
155	KICHATNA-DECEPTION COMPLEX, SLOPING AND MODERATELY STEEP		3
156	KICHATNA-DECEPTION COMPLEX, STEEP AND SLOPING		3
157	KICHATNA-DELYNDIA COMPLEX, MODERATELY STEEP AND GENTLY SLOPING		3
158	KICHATNA-DELYNDIA SILT LOAMS, 0 TO 4 PERCENT SLOPES		3
159	KIDAZQENI, COOL AND NIKLASON, COOL SOILS, 4 TO 12 PERCENT SLOPES		2
160	KIDAZQENI SILT LOAM, RARELY FLOODED, 0 TO 2 PERCENT SLOPES		3
161	KIDAZQENI SOILS, 0 TO 2 PERCENT SLOPES		3
162	KIDAZQENI-NIKLASON COMPLEX, 0 TO 2 PERCENT SLOPES		3
163	KILLEY AND MOOSE RIVER SOILS, 0 TO 2 PERCENT SLOPES		1
164	KNIK SILT LOAM, 0 TO 3 PERCENT SLOPES		1
165	KNIK SILT LOAM, GENTLY SLOPING AND MODERATELY STEEP		1

**Weighted Average** Leaching Index Values for CRP  
 Matanuska-Susitna Valley Area, Alaska: Detailed Soil Map Legend (update)

(see footnotes at end of table)

Map Symbol	Map Unit Name	Drained Index	Undrained Index
166	KNIK SILT LOAM, STEEP AND SLOPING		1
167	KNIK SILT LOAM, UNDULATING		1
168	KNIK-CRYAQUEPTS COMPLEX, 0 TO 25 PERCENT SLOPES		1
169	LITEN SILT LOAM, HILLY		3
171	NANCY SILT LOAM, 0 TO 3 PERCENT SLOPES		2
172	NANCY SILT LOAM, SLOPING AND MODERATELY STEEP		2
173	NANCY SILT LOAM, STEEP AND SLOPING		2
174	NANCY SILT LOAM, UNDULATING		2
175	NANCY-CRYAQUEPTS COMPLEX, 0 TO 5 PERCENT SLOPES		2
176	NANCY-TOKOSITNA COMPLEX, SLOPING AND MODERATELY STEEP		2
177	NANCY-TOKOSITNA COMPLEX, STEEP AND SLOPING		2
178	NANCY-TOKOSITNA COMPLEX, UNDULATING		2
180	PSUYAAH-SNOWDANCE COMPLEX, 5 TO 20 PERCENT SLOPES		1
181	QENI, COOL-NIKLAVAR, COOL-CRYODS, COLD COMPLEX, 0 TO 25 PERCENT SLOPES		1
182	RIVERWASH AND NIKLAVAR SOILS, 0 TO 2 PERCENT SLOPES		1
184	SIWASH-TALKEETNA, COOL-SNOWDANCE ASSOCIATION, 0 TO 30 PERCENT SLOPES		1
185	SUSITNA SILT LOAM, 0 TO 2 PERCENT SLOPES		2
186	SUSIVAR-MOOSE RIVER COMPLEX, 0 TO 2 PERCENT SLOPES		1
187	SUSIVAR AND NIKLAVAR FINE SANDY LOAMS		1
188	TALKEETNA VERY FINE SANDY LOAM, WARM, 15 TO 35 PERCENT SLOPES		1
189	TALKEETNA-TALKEETNA, THICK SURFACE COMPLEX, 15 TO 35 PERCENT SLOPES		1
190	TALKEETNA, WARM-TALKEETNA, THICK SURFACE COMPLEX, HILLY		2
191	TALKEETNA, WARM AND TALKEETNA, THICK SURFACE SOILS, 15 TO 45 PERCENT SLOPES		2
192	TALKEETNA, LOW ELEVATION-DENEKA, LOW ELEVATION ASSOCIATION, STEEP AND MODERATELY STEEP		2
193	TALKEETNA, WARM-TALKEETNA, THICK SURFACE- DENEKA COMPLEX, HILLY		2
194	TALKEETNA, COOL-SNOWDANCE COMPLEX, 5 TO 25 PERCENT SLOPES		2
195	TALKEETNA, COOL-TSADAKA-CHUNILNA, COOL COMPLEX, 10 TO 35 PERCENT SLOPES		2
197	TOKOSITNA SILT LOAM, SLOPING AND MODERATELY STEEP		2
198	TOKOSITNA SILT LOAM, STEEP AND SLOPING		2
199	TOKOSITNA SILT LOAM, UNDULATING		2
200	TOKOSITNA, HILLY-CHUNILNA COMPLEX		2
201	TOKOSITNA, UNDULATING-CHUNILNA COMPLEX		2
202	TSADAKA-TALKEETNA, COOL COMPLEX, 5 TO 25 PERCENT SLOPES		2
205	WHITSOL SILT LOAM, 0 TO 2 PERCENT SLOPES		1
206	WHITSOL SILT LOAM, COOL, SLOPING AND MODERATELY STEEP		2
207	WHITSOL SILT LOAM, COOL, STEEP AND SLOPING		2
208	WHITSOL SILT LOAM, SILTY SUBSTRATUM, 0 TO 7 PERCENT SLOPES		2
209	WHITSOL SILT LOAM, SILTY SUBSTRATUM, SLOPING AND MODERATELY STEEP		2
210	WHITSOL SILT LOAM, TILL SUBSTRATUM, SLOPING AND MODERATELY STEEP		2
211	WHITSOL SILT LOAM, TILL SUBSTRATUM, UNDULATING		2
212	YENSUS SILT LOAM, 0 TO 2 PERCENT SLOPES		2
213	YENSUS SILT LOAM, SLOPING AND MODERATELY STEEP		2
214	YENSUS SILT LOAM, UNDULATING		2
215	YOHNS SILT LOAM, 0 TO 5 PERCENT SLOPES		2
216	YOHNS SILT LOAM, ROLLING		2
217	YOHNS-DECEPTION COMPLEX, ROLLING		2
218	YOHNS-DELYNDIA COMPLEX, HILLY		2
219	YOHNS-FLAT HORN COMPLEX, ROLLING		2

**Weighted Average** Leaching Index Values for CRP  
Matanuska-Susitna Valley Area, Alaska: Detailed Soil Map Legend (update)

Footnotes

This report produces Leaching Index Values (1, 2 and 3) suitable for use as described in Part 539.58 - National Ranking Factor N2, Subfactor B in the CRP Manual. The index information presented in the report is a weighted average of the component indexes by the map unit component percent composition.

The values 1, 2 and 3 are derived by using the same algorithms included in the SOIL PESTICIDE INTERACTION SCREENING PROCEDURE II, Goss and Wauchope, November, 1990. These algorithms produce the leaching values 1, 2, 3 and 4 but this report reverses the order of meaning and combines values 3 and 4. Thus, this report, as required by CRP rules correctly reports 1 as low, 2 as medium, and 3 as high. These values are ready for use in determining signup scores for National ranking subfactor N2 without further code conversion.