

# HEL List for AK600; Matanuska-Susitna Valley Area, Alaska

R Value = 20; C Value = 8

Mapunit Symbol	Mapunit Name	HEL Water	HEL Wind
101	Benka silt loam, 0 to 3 percent slopes	NHEL	NHEL
102	Benka silt loam, sloping and moderately steep	NHEL	NHEL
103	Benka silt loam, undulating	NHEL	NHEL
104	Benka-Liten complex, nearly level and moderately steep	NHEL	NHEL
105	Bodenburg silt loam, 0 to 3 percent slopes	NHEL	NHEL
106	Bodenburg silt loam, sloping and moderately steep	NHEL	NHEL
107	Bodenburg silt loam, steep and sloping	HEL	NHEL
108	Bodenburg silt loam, undulating	NHEL	NHEL
109	Bodenburg silt loam, silty substratum, 0 to 3 percent slopes	NHEL	NHEL
110	Bodenburg silt loam, silty substratum, sloping and moderately steep	NHEL	NHEL
111	Bodenburg silt loam, silty substratum, undulating	NHEL	NHEL
112	Bodenburg-Jim complex, steep and sloping	HEL	NHEL
113	Chilligan, hilly-Cryaquepts complex	NHEL	NHEL
114	Chilligan, undulating-Cryaquepts complex	NHEL	NHEL
115	Chunilna mucky silt loam, cool, 5 to 20 percent slopes	HEL	NHEL
116	Cryaquepts, depressional, 0 to 7 percent slopes	NHEL	NHEL
117	Cryods, 35 to 90 percent slopes	HEL	NHEL
118	Cryods, cool-Niklason, moderately wet-Qeni complex, 0 to 15 percent slopes	NHEL	NHEL
119	Cryods and Cryaquepts, cool, 0 to 35 percent slopes	HEL	NHEL
120	Cryods, low elevation, and Cryochrepts, 30 to 70 percent slopes	HEL	NHEL
121	Cryods, shallow, 35 to 90 percent slopes	HEL	NHEL
122	Deception silt loam, rolling	NHEL	NHEL
123	Deception silt loam, sloping and moderately steep	NHEL	NHEL
124	Deception silt loam, steep and sloping	HEL	NHEL
125	Deception silt loam, undulating	NHEL	NHEL
126	Delyndia silt loam, 0 to 5 percent slopes	NHEL	NHEL
127	Delyndia-Histosols complex, 0 to 3 percent slopes	NHEL	NHEL
128	Disappoint very cobbly mucky silt loam, 0 to 12 percent	NHEL	NHEL
129	Eska silt loam, sloping and moderately steep	NHEL	NHEL
130	Eska-Jim complex, sloping and moderately steep	HEL	NHEL
131	Estelle silt loam, rolling	PHEL	HEL
132	Estelle silt loam, sloping and moderately steep	NHEL	HEL
133	Estelle silt loam, steep and sloping	HEL	HEL
134	Estelle silt loam, undulating	NHEL	HEL
135	Estelle, hilly-Disappoint complex	HEL	HEL
136	Estelle, undulating-Disappoint complex	PHEL	HEL
137	Flat Horn silt loam, 0 to 5 percent slopes	NHEL	NHEL
138	Flat Horn silt loam, rolling	NHEL	NHEL
139	Flat Horn silt loam, sloping and moderately steep	NHEL	NHEL
140	Goldcord-Tsadaka complex, 0 to 30 percent slopes	HEL	NHEL
141	Histosols	NHEL	NHEL
142	Histosols, high elevation	NHEL	NHEL
143	Kalambach silt loam, sloping and moderately steep	NHEL	NHEL
144	Kalambach silt loam, steep and sloping	HEL	NHEL
145	Kalambach silt loam, undulating	NHEL	NHEL
146	Kalambach-Disappoint complex, 0 to 10 percent slopes	NHEL	NHEL
147	Kashwitna silt loam, 0 to 3 percent slopes	NHEL	HEL
148	Kashwitna silt loam, sloping and moderately steep	HEL	HEL
149	Kashwitna silt loam, undulating	NHEL	HEL
150	Keba silt loam, undulating	NHEL	NHEL
151	Kichatna silt loam, 0 to 3 percent slopes	NHEL	NHEL
152	Kichatna silt loam, sloping and moderately steep	NHEL	NHEL
153	Kichatna silt loam, steep and sloping	HEL	NHEL
154	Kichatna silt loam, undulating	NHEL	NHEL

155	Kichatna-Deception complex, sloping and moderately steep	NHEL	NHEL
156	Kichatna-Deception complex, steep and sloping	HEL	NHEL
157	Kichatna-Delyndia complex, moderately steep and gently sloping	NHEL	NHEL
158	Kichatna-Delyndia silt loams, 0 to 4 percent slopes	NHEL	NHEL
159	Kidazqeni, cool, and Niklason, cool soils, 4 to 12 percent slopes	NHEL	NHEL
160	Kidazqeni silt loam, rarely flooded, 0 to 2 percent slopes	NHEL	NHEL
161	Kidazqeni soils, 0 to 2 percent slopes	NHEL	NHEL
162	Kidazqeni-Niklason complex, 0 to 2 percent slopes	NHEL	NHEL
163	Killey and Moose River soils, 0 to 2 percent slopes	NHEL	NHEL
164	Knik silt loam, 0 to 3 percent slopes	NHEL	HEL
165	Knik silt loam, gently sloping and moderately steep	HEL	HEL
166	Knik silt loam, steep and sloping	HEL	HEL
167	Knik silt loam, undulating	NHEL	HEL
168	Knik-Cryaquepts complex, 0 to 25 percent slopes	HEL	HEL
169	Liten silt loam, hilly	NHEL	NHEL
170	Mine spoils	N/A	N/A
171	Nancy silt loam, 0 to 3 percent slopes	NHEL	NHEL
172	Nancy silt loam, sloping and moderately steep	NHEL	NHEL
173	Nancy silt loam, steep and sloping	HEL	NHEL
174	Nancy silt loam, undulating	NHEL	NHEL
175	Nancy-Cryaquepts complex, 0 to 5 percent slopes	NHEL	NHEL
176	Nancy-Tokositna complex, sloping and moderately steep	NHEL	NHEL
177	Nancy-Tokositna complex, steep and sloping	HEL	NHEL
178	Nancy-Tokositna complex, undulating	NHEL	NHEL
179	Pits, gravel	N/A	N/A
180	Psuyaah-Snowdance complex, 5 to 20 percent slopes	HEL	HEL
181	Qeni, cool-Niklavar, cool-Cryods, cold complex, 0 to 25 percent slopes	NHEL	NHEL
182	Riverwash and Niklavar soils, 0 to 2 percent slopes	NHEL	NHEL
183	Rock outcrop-Cryumbrepts association, extremely steep	N/A	N/A
184	Siwash-Talkeetna, cool-Snowdance association, 0 to 30 percent slopes	HEL	HEL
185	Susitna silt loam, 0 to 2 percent slopes	NHEL	NHEL
186	Susivar-Moose River complex, 0 to 2 percent slopes	NHEL	NHEL
187	Susivar and Niklavar fine sandy loams	NHEL	NHEL
188	Talkeetna very fine sandy loam, warm, 15 to 35 percent slopes	HEL	HEL
189	Talkeetna-Talkeetna, thick surface complex, 15 to 35 percent slopes	HEL	HEL
190	Talkeetna, warm-Talkeetna, thick surface complex, hilly	HEL	HEL
191	Talkeetna, warm, and Talkeetna, thick surface soils, 15 to 45 percent slopes	HEL	HEL
192	Talkeetna, low elevation-Deneka, low elevation association, steep and moderately steep	HEL	HEL
193	Talkeetna, warm-Talkeetna, thick surface-Deneka complex, hilly	HEL	HEL
194	Talkeetna, cool-Snowdance complex, 5 to 25 percent slopes	HEL	HEL
195	Talkeetna, cool-Tsadaka-Chunilna, cool complex, 10 to 35 percent slopes	HEL	HEL
196	Tidal flats	N/A	N/A
197	Tokositna silt loam, sloping and moderately steep	NHEL	NHEL
198	Tokositna silt loam, steep and sloping	HEL	NHEL
199	Tokositna silt loam, undulating	NHEL	NHEL
200	Tokositna, hilly-Chunilna complex	HEL	NHEL
201	Tokositna, undulating-Chunilna complex	NHEL	NHEL
202	Tsadaka-Talkeetna, cool complex, 5 to 25 percent slopes	HEL	HEL
203	Typic Cryaquents, 0 to 2 percent slopes	NHEL	NHEL
204	Typic Cryaquents, coastal, 0 to 2 percent slopes	NHEL	NHEL
205	Whitsol silt loam, 0 to 2 percent slopes	NHEL	NHEL
206	Whitsol silt loam, cool, sloping and moderately steep	HEL	NHEL
207	Whitsol silt loam, cool, steep and sloping	HEL	NHEL
208	Whitsol silt loam, silty substratum, 0 to 7 percent slopes	NHEL	NHEL
209	Whitsol silt loam, silty substratum, sloping and moderately steep	NHEL	NHEL
210	Whitsol silt loam, till substratum, sloping and moderately steep	NHEL	NHEL
211	Whitsol silt loam, till substratum, undulating	NHEL	NHEL
212	Yensus silt loam, 0 to 2 percent slopes	NHEL	NHEL
213	Yensus silt loam, sloping and moderately steep	NHEL	NHEL
214	Yensus silt loam, undulating	NHEL	NHEL
215	Yohn silt loam, 0 to 5 percent slopes	NHEL	NHEL
216	Yohn silt loam, rolling	NHEL	NHEL

217	Yohn-Deception complex, rolling	NHEL	NHEL
218	Yohn-Delyndia complex, hilly	HEL	NHEL
219	Yohn-Flat Horn complex, rolling	NHEL	NHEL
220	Water	N/A	N/A