



Aggregate Resource Potential

System for Ranking the Economic Potential of Sand and Gravel Deposits
 On this map 161 sand and gravel deposits are classified. The potential economic value varies greatly over so many deposits, therefore, characteristics of the individual deposits have been recorded and their relative economic significance has been ranked. The ranking system is believed to be a valid relative measure of the economic potential of a deposit under the prevailing geological conditions and the existing information base.

Table 2. Deposit Class

Deposit Class	Deposit Description and Comments	Rank Score Range*
High	Generally gravel, wide variety of uses, few pit extraction problems	over 84
Medium	Generally sand and gravel, some pit extraction problems	84 to 75
Low	Mainly sand, limited uses, several pit extraction problems	less than 75

The relative economic potential of each deposit has been assessed using a combination of 6 geological factors and several sub-factors. Each factor does not have equal importance and is not given equal weight in the ranking process. For example, predominant material is assigned the highest relative weighting at 8, overburden thickness and potential for water table problems are equally weighted at 4, and deposit area is least important at 2 (Table 1). Each geological factor has been subdivided into 2 or 3 classes. Some of these classes were determined purely subjectively, while others are based on values that are known to affect the economic nature of the particular geological attribute.

All Factor Ratings for Peace River - High Level Area Economic Potential - High Rating

Deposit	Overburden Thickness	Potential for Water Table Problems	Reliability of Data	Predominant Material	Deposit Thickness	Deposit Area	Material Variability	Rank Score
1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	3
4	1	1	1	1	1	1	1	4
5	1	1	1	1	1	1	1	5
6	1	1	1	1	1	1	1	6
7	1	1	1	1	1	1	1	7
8	1	1	1	1	1	1	1	8
9	1	1	1	1	1	1	1	9
10	1	1	1	1	1	1	1	10
11	1	1	1	1	1	1	1	11
12	1	1	1	1	1	1	1	12
13	1	1	1	1	1	1	1	13
14	1	1	1	1	1	1	1	14
15	1	1	1	1	1	1	1	15
16	1	1	1	1	1	1	1	16
17	1	1	1	1	1	1	1	17
18	1	1	1	1	1	1	1	18
19	1	1	1	1	1	1	1	19
20	1	1	1	1	1	1	1	20
21	1	1	1	1	1	1	1	21
22	1	1	1	1	1	1	1	22
23	1	1	1	1	1	1	1	23
24	1	1	1	1	1	1	1	24
25	1	1	1	1	1	1	1	25
26	1	1	1	1	1	1	1	26
27	1	1	1	1	1	1	1	27
28	1	1	1	1	1	1	1	28
29	1	1	1	1	1	1	1	29
30	1	1	1	1	1	1	1	30
31	1	1	1	1	1	1	1	31
32	1	1	1	1	1	1	1	32
33	1	1	1	1	1	1	1	33
34	1	1	1	1	1	1	1	34
35	1	1	1	1	1	1	1	35
36	1	1	1	1	1	1	1	36
37	1	1	1	1	1	1	1	37
38	1	1	1	1	1	1	1	38
39	1	1	1	1	1	1	1	39
40	1	1	1	1	1	1	1	40
41	1	1	1	1	1	1	1	41
42	1	1	1	1	1	1	1	42
43	1	1	1	1	1	1	1	43
44	1	1	1	1	1	1	1	44
45	1	1	1	1	1	1	1	45
46	1	1	1	1	1	1	1	46
47	1	1	1	1	1	1	1	47
48	1	1	1	1	1	1	1	48
49	1	1	1	1	1	1	1	49
50	1	1	1	1	1	1	1	50
51	1	1	1	1	1	1	1	51
52	1	1	1	1	1	1	1	52
53	1	1	1	1	1	1	1	53
54	1	1	1	1	1	1	1	54
55	1	1	1	1	1	1	1	55
56	1	1	1	1	1	1	1	56
57	1	1	1	1	1	1	1	57
58	1	1	1	1	1	1	1	58
59	1	1	1	1	1	1	1	59
60	1	1	1	1	1	1	1	60
61	1	1	1	1	1	1	1	61
62	1	1	1	1	1	1	1	62
63	1	1	1	1	1	1	1	63
64	1	1	1	1	1	1	1	64
65	1	1	1	1	1	1	1	65
66	1	1	1	1	1	1	1	66
67	1	1	1	1	1	1	1	67
68	1	1	1	1	1	1	1	68
69	1	1	1	1	1	1	1	69
70	1	1	1	1	1	1	1	70
71	1	1	1	1	1	1	1	71
72	1	1	1	1	1	1	1	72
73	1	1	1	1	1	1	1	73
74	1	1	1	1	1	1	1	74
75	1	1	1	1	1	1	1	75
76	1	1	1	1	1	1	1	76
77	1	1	1	1	1	1	1	77
78	1	1	1	1	1	1	1	78
79	1	1	1	1	1	1	1	79
80	1	1	1	1	1	1	1	80
81	1	1	1	1	1	1	1	81
82	1	1	1	1	1	1	1	82
83	1	1	1	1	1	1	1	83
84	1	1	1	1	1	1	1	84
85	1	1	1	1	1	1	1	85
86	1	1	1	1	1	1	1	86
87	1	1	1	1	1	1	1	87
88	1	1	1	1	1	1	1	88
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90	1	1	1	1	1	1	1	90
91	1	1	1	1	1	1	1	91
92	1	1	1	1	1	1	1	92
93	1	1	1	1	1	1	1	93
94	1	1	1	1	1	1	1	94
95	1	1	1	1	1	1	1	95
96	1	1	1	1	1	1	1	96
97	1	1	1	1	1	1	1	97
98	1	1	1	1	1	1	1	98
99	1	1	1	1	1	1	1	99
100	1	1	1	1	1	1	1	100
101	1	1	1	1	1	1	1	101
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103	1	1	1	1	1	1	1	103
104	1	1	1	1	1	1	1	104
105	1	1	1	1	1	1	1	105
106	1	1	1	1	1	1	1	106
107	1	1	1	1	1	1	1	107
108	1	1	1	1	1	1	1	108
109	1	1	1	1	1	1	1	109
110	1	1	1	1	1	1	1	110
111	1	1	1	1	1	1	1	111
112	1	1	1	1	1	1	1	112
113	1	1	1	1	1	1	1	113
114	1	1	1	1	1	1	1	114
115	1	1	1	1	1	1	1	115
116	1	1	1	1	1	1	1	116
117	1	1	1	1	1	1	1	117
118	1	1	1	1	1	1	1	118
119	1	1	1	1	1	1	1	119
120	1	1	1	1	1	1	1	120
121	1	1	1	1	1	1	1	121
122	1	1	1	1	1	1	1	122
123	1	1	1	1	1	1	1	123
124	1	1	1	1	1	1	1	124
125	1	1	1	1	1	1	1	125
126	1	1	1	1	1	1	1	126
127	1	1	1	1	1	1	1	127
128	1	1	1	1	1	1	1	128
129	1	1	1	1	1	1	1	129
130	1	1	1	1	1	1	1	130
131	1	1	1	1	1	1	1	131
132	1	1	1	1	1	1	1	132
133	1	1	1	1	1	1	1	133
134	1	1	1	1	1	1	1	134
135	1	1	1	1	1	1	1	135
136	1	1	1	1	1	1	1	136
137	1	1	1	1	1	1	1	137
138	1	1	1	1	1	1	1	138
139	1	1	1	1	1	1	1	139
140	1	1	1	1	1	1	1	140
141	1	1	1	1	1	1	1	141
142	1	1	1	1	1	1	1	142
143	1	1	1	1	1	1	1	143
144	1	1	1	1	1	1	1	144
145	1	1	1	1	1	1	1	145
146	1	1	1	1	1	1	1	146
147	1	1	1	1	1	1	1	147
148	1	1	1	1	1	1	1	148
149	1	1	1	1	1	1	1	149
150	1	1	1	1	1	1	1	150
151	1	1	1	1	1	1	1	151
152	1	1	1	1	1	1	1	152
153	1	1	1	1	1	1	1	153
154	1	1	1	1	1	1	1	154
155	1	1	1	1	1	1	1	155
156	1	1	1	1	1	1	1	156
157	1	1	1	1	1	1	1	157
158	1	1	1	1	1	1	1	158
159	1	1	1	1	1	1	1	159
160	1	1	1	1	1	1	1	160
161	1	1	1	1	1	1	1	161

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17	1	1	1	1	1	1	1	17
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21	1	1	1	1	1	1	1	21
22	1	1	1	1	1	1	1	22
23	1	1	1	1	1	1	1	23
24	1	1	1	1	1	1	1	24
25	1	1	1					