

NAME	LATITUDE	LONGITUDE	DIAMETER, km	AGE, Ma
1. Amguld, Algeria	26°05' N	004°23' E	0.45	<0.1
2. Aquellouh, Mauritania*	20°15' N	012°41' W	0.37	3.1 ± 0.3
3. Araguainha Dome, Brazil	16°46' S	052°59' W	40	<250
4. Azuara, Spain	41°10' N	000°55' W	30	<130
5. Barringer, Arizona, U.S.A.*	35°02' N	111°01' W	1.2	0.025
6. Bee Bluff, Texas, U.S.A.*	29°02' N	099°51' W	2.4	<40
7. Beyenchime-Salaatin, R.S.F.S.R., U.S.S.R.	71°50' N	123°30' E	8	<65
8. Bigatch, K.S.S.R., U.S.S.R.	48°30' N	082°00' E	7	6 ± 3
9. Boltysh, Ukraine, U.S.S.R.	48°45' N	032°10' E	25	100 ± 5
10. Bosumtwi, Ghana*	06°32' N	001°25' W	10.5	1.3 ± 0.2
11. Boshole, N.T., Australia*	22°37' S	135°12' E	0.18	—
12. B.P. Structure, Libya	25°19' N	024°20' E	2.8	<120
13. Brent, Ontario, Canada*	46°05' N	078°29' W	3.8	450 ± 30
14. Campo del Cielo, Argentina (20)*	27°38' S	061°42' W	0.09	—
15. Carswell, Saskatchewan, Canada	58°27' N	109°30' W	37	117 ± 9
16. Charlevoix, Quebec, Canada	47°32' N	070°18' W	46	360 ± 25
17. Clearwater L. East, Quebec, Canada*	56°05' N	074°07' W	22	290 ± 20
18. Clearwater L. West, Quebec, Canada	56°13' N	074°30' W	32	290 ± 20
19. Connolly Basin, W.A., Australia	23°32' S	124°45' E	9	<60
20. Crooked Creek, Missouri, U.S.A.	37°50' N	091°23' W	5.6	320 ± 80
21. Dalgaranga, W.A., Australia*	27°43' S	117°05' E	0.21	—
22. Decaturville, Missouri, U.S.A.	37°54' N	092°43' W	6	<300
23. Deep Bay, Saskatchewan, Canada	56°24' N	102°59' W	12	100 ± 50
24. Dellen, Sweden	61°55' N	016°32' E	15	108.6 ± 1
25. Eagle Butte, Alberta, Canada	49°42' N	110°30' W	10	<65
26. El'gygytgyn, R.S.F.S.R., U.S.S.R.	67°30' N	172°05' E	23	3.5 ± 0.5
27. Flynn Creek, Tennessee, U.S.A.	36°17' N	085°40' W	3.8	360 ± 20
28. Glover Bluff, Wisconsin, U.S.A.	43°58' N	089°32' W	6	<500
29. Goat Paddock, W.A., Australia	18°22' S	128°40' E	5	>50
30. Gosses Bluff, N.T., Australia	23°50' S	132°19' E	22	142.5 ± 0.5
31. Gow L., Saskatchewan, Canada*	56°27' N	104°29' W	5	<250
32. Gusev, R.S.F.S.R., U.S.S.R.	48°21' N	040°14' E	3	65
33. Haughton, N.W.T., Canada	75°22' N	089°40' W	20	21.5 ± 1.2
34. Haviland, Kansas, U.S.A.*	37°35' N	099°10' W	0.011	—
35. Henbury, N.T., Australia (14)*	24°34' S	133°10' E	0.15	—
36. Holleford, Ontario, Canada	44°28' N	076°38' W	2	550 ± 100
37. Ile Rouleau, Quebec, Canada	50°41' N	073°53' W	4	<300
38. Il'ya, Ukraine, U.S.S.R.	49°06' N	029°12' E	4.5	395 ± 5
39. Ilumetsy, Estonia, U.S.S.R.	57°58' N	025°25' E	0.002	—
40. Janijärvi, R.S.F.S.R., U.S.S.R.	61°58' N	030°55' E	14	698 ± 22
41. Kaalijärvi, Estonia, U.S.S.R. (7)*	58°24' N	022°40' E	0.11	0.004
42. Kaluga, R.S.F.S.R., U.S.S.R.	54°05' N	036°15' E	15	380 ± 10
43. Kamenak, R.S.F.S.R., U.S.S.R.	48°20' N	040°15' E	25	65
44. Kara, R.S.F.S.R., U.S.S.R.*	69°10' N	065°00' E	60	57 ± 9
45. Karla, R.S.F.S.R., U.S.S.R.	57°54' N	048°00' E	10	10
46. Kelly West, N.T., Australia	19°30' S	132°50' E	2.5	<550
47. Kentland, Indiana, U.S.A.	40°45' N	087°24' W	13	<300
48. Kjarad, Estonia, U.S.S.R.	57°00' N	022°42' E	4	510 ± 30
49. Kursk, R.S.F.S.R., U.S.S.R.	51°40' N	036°00' E	5	250 ± 80
50. Lac Couture, Quebec, Canada	60°08' N	075°20' W	8	425 ± 25
51. Lac La Moine, Quebec, Canada	57°09' N	068°36' W	8	400 ± 50
52. Lappajärvi, Finland*	63°09' N	023°42' E	14	77 ± 4
53. Liverpool, N.T., Australia	12°24' S	134°03' E	1.6	150 ± 70
54. Logancha, R.S.F.S.R., U.S.S.R.	65°30' N	095°50' E	20	50 ± 20
55. Logosk, Belorussia, U.S.S.R.	54°12' N	027°48' E	17	40 ± 5
56. Lonar, India	19°50' N	076°12' E	1.83	0.05
57. Machi, R.S.F.S.R., U.S.S.R. (5)	57°30' N	16°00' E	0.3	<1
58. Manicouagan, Quebec, Canada	51°23' N	068°42' W	100	210 ± 4
59. Manson, Iowa, U.S.A.	42°35' N	094°31' W	32	61 ± 9
60. Middleboro, Kentucky, U.S.A.	36°33' N	083°42' W	6	<300
61. Mien, Sweden*	68°25' N	014°52' E	6	118 ± 3
62. Misarai, Lithuania, U.S.S.R.	54°00' N	023°54' E	5	395 ± 145
63. Mishina Gora, R.S.F.S.R., U.S.S.R.	58°40' N	028°00' E	2.5	360
64. Mistastin, Nfld. and Lab., Canada	55°53' N	063°18' W	28	38 ± 4
65. Monturaqui, Chile*	23°56' S	068°17' W	0.46	—
66. Morasko, Poland (7)*	52°29' N	016°54' E	0.1	0.01
67. New Quebec, Quebec, Canada	61°17' N	073°40' W	3.2	5
68. Nicholson L., N.W.T., Canada*	62°40' N	102°41' W	12.5	<400
69. Oasis, Libya	24°35' N	024°24' E	11.5	—
70. Obolot', Ukraine, U.S.S.R.*	49°30' N	032°55' E	5	215 ± 25
71. Odessa, Texas, U.S.A. (3)*	31°45' N	102°29' W	0.168	—
72. Ouarkiz, Algeria	29°00' N	007°33' W	3.5	<70
73. Piccaninny, W.A., Australia	17°32' S	128°25' E	7	<360
74. Pilot L., N.W.T., Canada*	60°17' N	111°01' W	6	440 ± 2
75. Popigai, R.S.F.S.R., U.S.S.R.*	71°30' N	111°00' E	100	39 ± 9
76. Puchezh-Katunki, R.S.F.S.R., U.S.S.R.	57°06' N	043°35' E	80	183 ± 5
77. Red Wing Creek, N. Dakota, U.S.A.	47°36' N	103°53' W	9	200
78. Riacho Ring, Brazil	07°43' S	048°39' W	4	—
79. Ries, Fed. Rep. Germany*	48°53' N	010°37' E	24	14.8 ± 0.7
80. Rochechouart, France*	45°50' N	000°56' E	13	165 ± 15
81. Rogozinskaja, R.S.F.S.R., U.S.S.R.	58°18' N	062°00' E	8	55 ± 5
82. Rotmistrovka, Ukraine, U.S.S.R.	49°00' N	032°00' E	2.5	140 ± 20
83. Siikajärvi, Finland*	61°23' N	022°25' E	5	514 ± 12
84. Saint Martin, Manitoba, Canada	51°47' N	098°32' W	23	225 ± 40
85. Serpent Mound, Ohio, U.S.A.	39°02' N	083°24' W	6.4	<320
86. Serra da Cangalha, Brazil	08°05' S	046°52' W	12	<300
87. Shunak, Kazakhstan, U.S.S.R.	42°42' N	072°42' E	2.5	12
88. Sierra Madera, Texas, U.S.A.	30°36' N	102°55' W	13	<100
89. Sikhote Alin, R.S.F.S.R., U.S.S.R. (122)*	46°07' N	134°40' E	0.0265	—
90. Siljan, Sweden	61°02' N	014°52' E	52	368 ± 1
91. Slate Is., Ontario, Canada	48°40' N	087°00' W	30	<350
92. Sobolev, R.S.F.S.R., U.S.S.R.*	48°18' N	138°52' E	0.05	<600
93. Soderjärden, Finland	63°02' N	021°35' E	5.5	—
94. Spider, W.A., Australia	16°30' S	126°00' E	5	—
95. Steen River, Alberta, Canada	59°31' N	117°38' W	25	95 ± 7
96. Steinheim, Fed. Rep. Germany	48°41' N	010°04' E	3.4	14.8 ± 0.7
97. Strangways, N.T., Australia*	15°12' S	133°35' E	24	<472
98. Sudbury, Ontario, Canada	46°36' N	081°11' W	140	1850 ± 150
99. Tabun-Khara-Obo, Mongolia*	44°06' N	109°36' E	1.3	<30
100. Talemzane, Algeria	33°19' N	004°02' E	1.75	<3
101. Teague, W.A., Australia	25°50' S	120°55' E	28	1685 ± 5
102. Tenoumer, Mauritania	22°55' N	010°24' W	1.9	2.5 ± 0.5
103. Ternovka, Ukraine, U.S.S.R.	48°01' N	033°05' E	8	330 ± 30
104. Tin Bider, Algeria	27°36' N	005°07' E	6	<70
105. Ust-Kara, R.S.F.S.R., U.S.S.R.	69°18' N	065°18' E	25	57 ± 9
106. Uphaeval Dome, Utah, U.S.A.	38°28' N	109°54' W	5	—
107. Veevers, W.A., Australia*	22°58' S	125°22' E	0.08	<450
108. Vepriai, Lithuania, U.S.S.R.	55°06' N	024°36' E	8	160 ± 30
109. Vredefort, South Africa	27°00' S	027°30' E	140	1970 ± 100
110. Wabar, Saudi Arabia (2)*	21°30' N	050°28' E	0.097	—
111. Wanapieli L., Ontario, Canada*	48°44' N	080°44' W	8.5	37 ± 2
112. Wells Creek, Tennessee, U.S.A.	36°23' N	087°40' W	14	200 ± 100
113. West Hawk L., Manitoba, Canada	49°46' N	095°11' W	2.7	100 ± 50
114. Wolf Creek, W.A., Australia*	19°10' S	127°47' E	0.85	—
115. Zeleny Gai, Ukraine, U.S.S.R.	48°42' N	032°54' E	1.4	120 ± 20
116. Zhamanshin, Kazakhstan, U.S.S.R.*	48°24' N	060°48' E	10	0.75 ± 0.06

These craterform structures have associated meteoritic material and/or diagnostic shock metamorphic features. They are considered to be the result of the impact of interplanetary bodies with the Earth. Sites with multiple craters are indicated by (n), where n is the number of craters. Structures with meteoritic fragments or geochemical anomalies considered to have a meteoritic source are designated by *.

Prepared for the International Union of Geological Sciences Commission on Comparative Planatology by R.A.F. Grieve and P.B. Robertson, Geological Survey of Canada, Energy Mines and Resources Canada.

Copies of this map may be obtained from the Geological Survey of Canada: 601 Booth Street, Ottawa, Ontario K1A 0E8 3303-33rd Street, N.W., Calgary, Alberta T2L 2A7

MAP 1658A

TERRESTRIAL IMPACT STRUCTURES



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