



Preglacial Sand and Gravel Deposits, Southern Alberta: Alberta Research Council MAP 221. April 1, 1994  
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Deposit	Area	NTS Map Area	Elevation (m)	Location	Distance (km) (from foothills)	Distance (km) (south of 60°)	Group	Unit	References
1050	Oldman R.-Wolf Island	72E/13, Grassy Lake	731	20-011-14-4	142.8	1345.6	1	1	Allong, 1967
1100	Oldman R.-Wolf Island	72E/13, Grassy Lake	731	17-011-14-4	141.4	1351.1	1	1	Allong, 1967
5029	Irvine	72E/16, Irvine	800	26-011-02-4	261.1	1326.9	1	2	Edwards, 1984
5030	Irvine	72E/16, Irvine	800	25-011-02-4	262.7	1326.4	1	2	Edwards, 1984
4214	Cypress Hills	72E/9, Elkwater Lake	1340	24-008-01-4	266.9	1356.2	7	4	Leckie et al, 1989
4213	Cypress Hills	72E/9, Elkwater Lake	1440	28-007-02-4	253.4	1364.7	7	4	Leckie et al, 1989
1041	Red Deer R.-Blindloss	72L, Medicine Hat	594	02-023-04-4	266.5	1212.5	2	1	Hudson, 1984
1042	Red Deer R.-Blindloss	72L, Medicine Hat	594	13-023-04-4	272.4	1208.7	2	1	Hudson, 1984
1043	Red Deer R.-Empress	72L, Medicine Hat	587	24-023-01-4	296.7	1200.6	2	1	Hudson, 1984
1067	Sask. R.-Medicine Hat	72L, Medicine Hat	641	05-014-05-4	233.8	1307.7	1	1	Hudson, 1984
1068	Sask. R.-Medicine Hat	72L, Medicine Hat	643	09-013-05-4	231.2	1318.4	1	1	Hudson, 1984
1069	Sask. R.-Medicine Hat	72L, Medicine Hat	641	17-013-05-4	232.9	1316.2	1	1	Hudson, 1984
4211	Red Deer R.	72L, Medicine Hat	701	18-023-15-4	163.9	1221.0	2	2	Hudson, 1984
1047	Oldman R.-Lethbridge	82H/10, Lethbridge	834	01-009-22-4	68.4	1379.6	1	1	Allong, 1967
1048	Oldman R.-Lethbridge	82H/10, Lethbridge	834	01-009-22-4	68.4	1380.0	1	1	Allong, 1967
1052	Oldman R.-Kipp	82H/10, Lethbridge	887	18-009-22-4	61.8	1376.6	1	1	Allong, 1967
5695	Oldman R.-Lethbridge	82H/10, Lethbridge	831	13-009-22-4	69.7	1375.3	1	1	Shetsen, 1982
5696	Oldman R.-Lethbridge	82H/10, Lethbridge	831	12-009-22-4	68.7	1377.9	1	1	Shetsen, 1982
5720	Ft. Macleod	82H/11, Fort Macleod	1113	33-007-26-4	23.3	1395.3	1	2	Shetsen, 1982
5721	Ft. Macleod	82H/11, Fort Macleod	1143	10-007-26-4	22.3	1402.1	1	2	Shetsen, 1982
1053	Oldman R.	82H/12, Brocket	991	21-008-27-4	15.3	1389.3	1	1	Allong, 1967; Stalker, 1963
1054	Oldman R.-Brocket	82H/12, Brocket	1021	35-007-28-4	6.8	1396.6	1	1	Allong, 1967; Stalker, 1963
1051	Oldman R.-Taber	82H/16, Taber	747	19-011-16-4	121.8	1348.1	1	1	Stalker, 1963
5560	Milk River Ridge	82H/2, Shanks Lake	1265	17-003-21-4	59.1	1436.1	1	3	Shetsen, 1982
5566	Peters Ck.	82H/2, Shanks Lake	1387	36-001-23-4	44.2	1452.7	1	3	Shetsen, 1982
5567	Del Bointa	82H/2, Shanks Lake	1332	15-001-22-4	49.0	1458.6	1	3	Shetsen, 1982
5568	Del Bonita	82H/2, Shanks Lake	1311	12-001-22-4	52.7	1459.5	1	3	Shetsen, 1982
5569	Del Bonita	82H/2, Shanks Lake	1290	19-001-21-4	54.8	1456.5	1	3	Shetsen, 1982
5570	Del Bonita	82H/2, Shanks Lake	1310	17-001-21-4	55.3	1459.5	1	3	Shetsen, 1982
5571	Del Bonita	82H/2, Shanks Lake	1311	30-001-21-4	54.8	1454.8	1	3	Shetsen, 1982
5581	Ross Lake	82H/2, Shanks Lake	1387	07-002-22-4	46.6	1450.1	1	3	Shetsen, 1982
5582	Peters Ck.	82H/2, Shanks Lake	1402	35-001-23-4	42.9	1453.9	1	4	Shetsen, 1982
5583	North Milk R.	82H/2, Shanks Lake	1265	32-001-23-4	47.2	1453.2	1	2	Shetsen, 1982
5584	North Milk R.	82H/2, Shanks Lake	1341	20-001-22-4	46.5	1456.5	1	3	Shetsen, 1982
5585	North Milk R.	82H/2, Shanks Lake	1402	07-001-22-4	43.8	1461.2	1	4	Shetsen, 1982
5586	North Milk R.	82H/2, Shanks Lake	1410	06-001-22-4	42.5	1462.9	1	4	Shetsen, 1982
5587	Shanks Ck.	82H/2, Shanks Lake	1341	10-001-22-4	48.7	1460.3	1	3	Shetsen, 1982
5588	Del Bonita	82H/2, Shanks Lake	1341	02-001-22-4	51.0	1461.2	1	3	Shetsen, 1982
5589	Del Bonita	82H/2, Shanks Lake	1318	24-001-22-4	52.9	1455.4	1	3	Shetsen, 1982
5590	Shanks L.	82H/2, Shanks Lake	1295	33-001-21-4	57.8	1452.7	1	3	Shetsen, 1982
5591	Shanks L.	82H/2, Shanks Lake	1295	24-001-21-4	62.1	1454.8	1	3	Shetsen, 1982
5592	Del Bonita	82H/2, Shanks Lake	1273	13-001-21-4	62.5	1456.5	1	3	Shetsen, 1982
3953	Del Bonita	82H/2, Shanks Lake	1292	06-001-21-4	61.6	1459.0	1	3	Vonhof, 1969
3952	Del Bonita	82H/2, Shanks Lake	1292	02-001-21-4	58.2	1461.3	1	3	Vonhof, 1969
3951	Shanks L.	82H/2, Shanks Lake	1292	36-001-21-4	62.7	1451.8	1	3	Vonhof, 1969
3950	Reed Lake	82H/2, Shanks Lake	1292	28-002-21-4	59.1	1445.0	1	3	Vonhof, 1969
3949	Reed Lake	82H/2, Shanks Lake	1292	20-002-21-4	57.0	1446.7	1	3	Vonhof, 1969
3948	Reed Lake	82H/2, Shanks Lake	1292	18-002-21-4	55.7	1447.6	1	3	Vonhof, 1969
3947	North Milk R.	82H/2, Shanks Lake	1292	31-001-21-4	54.5	1452.2	1	3	Vonhof, 1969
3946	North Milk R.	82H/2, Shanks Lake	1323	31-001-21-4	54.0	1452.7	1	3	Vonhof, 1969
3945	Ross Lake	82H/2, Shanks Lake	1385	19-002-22-4	46.8	1448.0	1	3	Vonhof, 1969
3944	Ross Lake	82H/2, Shanks Lake	1385	19-002-22-4	46.3	1449.3	1	3	Vonhof, 1969
3943	Ross Lake	82H/2, Shanks Lake	1385	24-002-23-4	45.2	1449.4	1	3	Vonhof, 1969
3942	Shanks Ck.	82H/2, Shanks Lake	1354	11-001-22-4	48.7	1460.3	1	3	Vonhof, 1969
3941	Shanks Ck.	82H/2, Shanks Lake	1323	11-001-22-4	49.9	1459.5	1	3	Vonhof, 1969
3940	Shanks Ck.	82H/2, Shanks Lake	1354	10-001-22-4	48.0	1459.5	1	3	Vonhof, 1969
3939	Shanks Ck.	82H/2, Shanks Lake	1323	10-001-22-4	47.8	1460.2	1	3	Vonhof, 1969
3938	Shanks Ck.	82H/2, Shanks Lake	1323	11-001-22-4	49.3	1459.0	1	3	Vonhof, 1969
3937	Shanks Ck.	82H/2, Shanks Lake	1323	10-001-22-4	48.5	1459.2	1	3	Vonhof, 1969
3936	Del Bonita	82H/2, Shanks Lake	1354	09-001-22-4	45.8	1459.2	1	3	Vonhof, 1969
3934	Del Bonita	82H/2, Shanks Lake	1354	16-001-22-4	46.2	1457.2	1	3	Vonhof, 1969
3933	Ross Lake	82H/2, Shanks Lake	1385	18-002-22-4	46.0	1449.8	1	3	Vonhof, 1969
3932	Ross Lake	82H/2, Shanks Lake	1385	18-002-22-4	45.3	1449.7	1	3	Vonhof, 1969
3931	Ross Lake	82H/2, Shanks Lake	1385	12-002-23-4	44.2	1450.2	1	3	Vonhof, 1969
3930	Ross Lake	82H/2, Shanks Lake	1385	12-002-23-4	44.3	1451.1	1	3	Vonhof, 1969
3928	North Milk R.	82H/2, Shanks Lake	1385	06-002-22-4	45.5	1451.9	1	3	Vonhof, 1969
3927	Peters Ck.	82H/2, Shanks Lake	1385	02-002-23-4	42.5	1452.6	1	3	Vonhof, 1969
3926	Ross Lake	82H/2, Shanks Lake	1385	02-002-23-4	43.6	1451.9	1	3	Vonhof, 1969
3925	Jefferson	82H/2, 3, Shanks Lake, Cardston	1385	03-002-23-4	40.8	1451.7	1	3	Vonhof, 1969
3924	Jefferson	82H/2, 3, Shanks Lake, Cardston	1415	34-001-23-4	41.2	1453.4	1	4	Vonhof, 1969
5606	Jefferson	82H/3, Cardston	1402	03-002-23-4	41.2	1453.1	1	4	Shetsen, 1982
3929	Peters Ck.	82H/3, Shanks Lake, Cardston	1415	27-001-23-4	40.0	1454.2	1	4	Vonhof, 1969
3923	Jefferson	82H/3, Cardston	1415	33-001-23-4	39.5	1453.6	1	4	Vonhof, 1969
3922	Whiskey Gap	82H/3, Cardston	1415	16-001-23-4	37.8	1458.6	1	4	Vonhof, 1969
3921	Peters Ck.	82H/3, Cardston	1415	21-001-23-4	38.3	1457.9	1	4	Vonhof, 1969
3920	Peters Ck.	82H/3, Cardston	1415	22-001-23-4	39.1	1457.3	1	4	Vonhof, 1969

6018	Nose Hill	82O/1, Calgary	1219	08-025-01-4	22.1	1221.0	2	2	Moran, 1986; Shetsen, 1980
6034	Big Hill	82O/1, Calgary	1334	06-026-03-5	7.3	1216.4	2	2	Moran, 1986; Shetsen, 1980
6049	Calgary	82O/1, Calgary	1257	28-024-02-5	11.7	1228.7	2	2	Moran, 1986; Shetsen, 1980
6050	Olympic Hill	82O/1, Calgary	1234	23-024-02-5	15.3	1227.8	2	2	Moran, 1986; Shetsen, 1980
4027	Radnor Plat.	82O/2, Jumping Pound Creek	1356	04-026-05-5	0.0	1211.7	2	2	Bayrock et al, 1975
4026	Crawford Plat.	82O/2, Jumping Pound Creek	1334	36-025-05-5	0.0	1214.7	2	2	Bayrock et al, 1975
4025	Crawford Plat.	82O/2, Jumping Pound Creek	1311	35-025-05-5	0.0	1214.2	2	2	Bayrock et al, 1975
4024	Crawford Plat.	82O/2, Jumping Pound Creek	1326	36-025-05-5	0.0	1214.7	2	2	Bayrock et al, 1975
4023	Crawford Plat.	82O/2, Jumping Pound Creek	1318	29-025-04-5	0.0	1215.7	2	2	Bayrock et al, 1975
1091	Trochu	82P, Drumheller	732	11-034-22-4	122.0	1119.9	2	1	Allong, 1967
6810	Wintering Hills	82P/1, Finnegan	1029	21-026-18-4	138.6	1196.0	2	3	
6811	Wintering Hills	82P/1, Finnegan	1029	28-026-18-4	139.8	1193.4	2	3	
3971	Wintering Hills	82P/1, Finnegan	1029	22-026-18-4	137.7	1195.1	2	3	
3970	Wintering Hills	82P/1, Finnegan	1029	28-026-18-4	138.6	1195.5	2	3	
3969	Wintering Hills	82P/1, Finnegan	1029	23-026-18-4	139.4	1195.5	2	3	
3968	Wintering Hills	82P/1, Finnegan	1029	23-026-18-4	139.8	1195.1	2	3	
3967	Wintering Hills	82P/1, Finnegan	1029	28-026-18-4	138.1	1194.3	2	3	
3972	Wintering Hills	82P/8, Dorothy	1029	33-026-18-4	139.4	1192.6	2	3	
3957	Hand Hills	82P/9, Craigmyle	1042	21-029-16-4	157.0	1158.5	2	3	
3961	Hand Hills	82P/9, Craigmyle	1103	31-029-16-4	157.0	1154.6	2	3	
3959	Hand Hills	82P/9, Craigmyle	1092	32-029-17-4	150.3	1152.5	2	3	
6808	Hand Hills	82P/9, Craigmyle	1108	32-029-17-4	151.0	1151.4	2	3	
6809	Hand Hills	82P/9, Craigmyle	1085	12-030-17-4	157.5	1151.9	2	3	
3966	Hand Hills L.	82P/9, Craigmyle	1000	01-030-16-4	165.0	1156.4	2	3	
3965	Hand Hills L.	82P/9, Craigmyle	1000	07-030-15-4	166.5	1156.1	2	3	
3964	Hand Hills L.	82P/9, Craigmyle	1011	06-030-15-4	165.8	1157.2	2	3	
3963	Hand Hills L.	82P/9, Craigmyle	1000	32-029-15-4	166.0	1158.5	2	3	
3962	Hand Hills L.	82P/9, Craigmyle	1008	32-029-15-4	165.8	1159.5	2	3	
3960	Hand Hills	82P/9, Craigmyle	1085	10-030-17-4	156.0	1150.2	2	3	
3958	Hand Hills	82P/9, Craigmyle	1100	16-030-17-4	155.0	1149.1	2	3	
3956	Hand Hills	82P/9, Craigmyle	1092	15-030-17-4	155.8	1148.2	2	3	
3955	Hand Hills L.	82P/9, Craigmyle	1008	33-029-15-4	167.5	1160.6	2	3	Vonhof, 1969
3954	Hand Hills L.	82P/9, Craigmyle	992	33-029-15-4	168.0	1160.9	2	3	Vonhof, 1969
1055	Bow R.-De Winton	82I/13, Dalemead	975	05-022-28-4	22.0	1249.9	2	1	Shetsen, 1980

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**Explanation of headings:**

**Deposit**

Each deposit has a unique identification number, this number is shown on the map.

**Area**

This is the name of the general area in which the deposit is found.

**NTS Map Area**

This is the National Topographic System (NTS) map number and name.

**Elevation (m)**

This is the approximate elevation in meters above sea level of the bottom of the deposit.

**Location**

This is the Dominion Land Survey (DLS) location of one section underlain wholly or partly by the deposit.

**Distance (km)(from foothills)**

This is the distance in kilometers measured at right angles from the east edge of the foothills to the west edge of the deposit.

**Distance (km)(south of 60°)**

This is the distance in kilometers measured south from 60° north latitude, parallel to the east edge of the foothills, to the north edge of the deposit.

**Group**

This is the regional and lithologic group to which the deposit is assigned. There are seven groups.

**Unit**

This is the stratigraphic and age unit to which the deposit is assigned. There are four units.

**References**

A primary reference is provided which identifies or describes the deposit. There may be other references.

For a more detailed explanation of the preglacial deposits see Alberta Research Council Open File Report 1994-06 by Edwards et al, 1994.