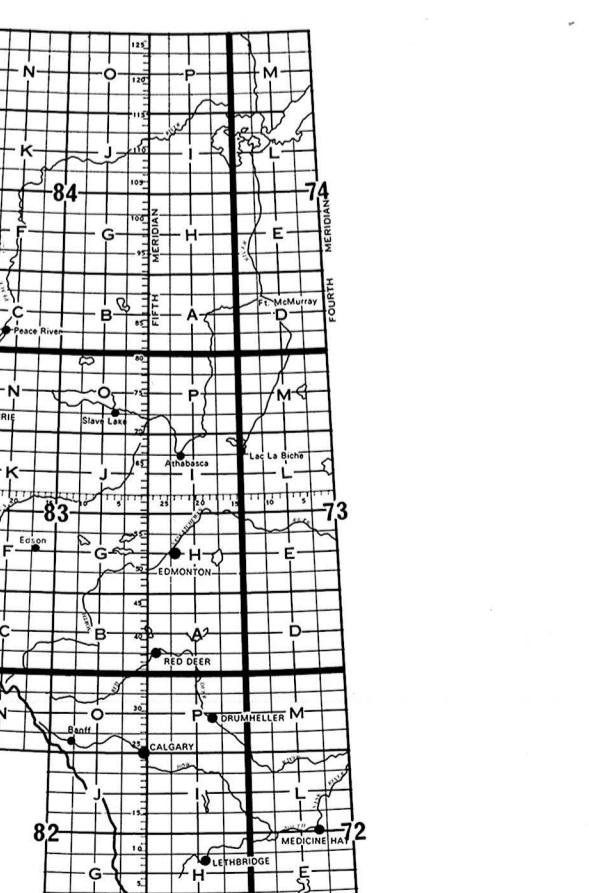


GENERAL COMMENTS				DEPOSIT CHARACTERISTICS									
Material Description	Reserves (1000 m ³)		Additional Comments	Texture (%)			(% Wear)	Overburden Thickness (m)	Deposit Thickness (m)	Deposit Area (ha)	Deposit Genesis	Additional Comments	
	Gravel	Sand		Gravel	Sand	Fines							
dirty sandy gravel to gravel (?)			similar to 3(?)							427	alluvial fan	individual deposit areas: 1-38 (ha); 2-48; 5-158; 34-183	
dirty sandy gravel to gravel sand	~4800	~1600							0-5	320	coalesced alluvial fans	angular, local material, max. 25 cm; sandstone, some siltstone and carbonate.	
sand	83	747		<10	>90	1			<20	83	glacio-fluvial (?)		
sand		26,480	eolian sand overlies sand and gravel						<20	662	eolian-dunes	max. dune height 20 m.	
sand		1,025	may be outwash similar to 11						<5	41	eolian and fluvial		
sand		2,325	upper sand and gravel layer (1 m) overlies 10 m of fine sand and silt similar to 12 (?)						2.5	93	glacio-fluvial		
sandy gravel	~3765	~1883	variable; clean fine sand to dirty coarse gravel; upper gravel to sandy gravel (1.5 m) overlies sand; sand (surface) may grade downward into sandy gravel.	50-75	25-50	1-5		up to 1	1-6	502	alluvial terrace outwash	clast max. 40 cm; mainly quartzite, carbonate and sandstone.	
sandy gravel	120	70		60-65	35-40	~1			2	10	alluvial terrace	clast max. 6 cm.	
dirty sand and gravel	~190	~190						1	<5	19	alluvial fan	clast max. 20 cm.	
dirty sandy gravel	~1275	~1275		~70	~20	>5			2.5	102	outwash	clast max 30 cm; mainly quartzite and carbonate.	
sand			sandy gravel at base or margins of deposit (?)						up to 1.0	83	outwash		
sandy gravel	8,967	3,714		70	29	1			3	427	outwash	clast max. 40 cm; mainly quartzite, carbonate and sandstone.	
sandy gravel	2,844	1,713		60	36	4			2	237	outwash		
sandy gravel	50-60	40-50	~1						24				
dirty gravelly sand	264	363		40	55	5			2	33			
gravel	3,729	666		84	15	1			4	111	terrace		
gravel			similar to deposit 20; area fully developed							106	terrace		
sandy gravel	3,072	1,680		64	35	1			1	45	terrace-fan	low terrace and alluvial fan (northeast)	
gravel	10,752	3,072	built over or depleted; reserves for estimated original volume	70-80	20-30	1		0.5	2	768	terrace	point bar or low,Recent terrace	
gravel	11,869	2,288		83	16	1			10	143	outwash		
gravelly sand	1,048	1,048		49	49	1			54	alluvial fan			
sandy gravel	~170	~170	disused pit						2	107	outwash	clast max. 0.5 m; sandstone, quartzite and carbonate.	
sandy gravel	~140	~140	disused pit						2	17	glacio-fluvial		
sand		315	fine sand		100				2	14	glacio-fluvial (?)	quartzite and local, soft sandstone clasts, some carbonates clast max 0.5 m.	
dirty sandy gravel	~13,140	~8,760	silt and sand overburden	~60	~40	~5		1.5	1.5	84	eolian dunes	two small dune fields, dune density ~25%.	
dirty sandy gravel	14,250	13,395		50	47	>3			1.5	438	fluvially re-worked alluvial fan and out-wash	clast max. 40 cm; quartzite (well sorted), hard sandstone and carbonate (angular), quartzite or glaciofluvial origin, carbonate from alluvial fans.	
coarse sandy gravel	17,792	14,557		~55	~45	~1			~3	95	same as 35	very poorly sorted; clast max. 40 cm; sandstone, carbonate and quartzite, some ironstone.	
			similar to 44						4-10	14	terrace (?)		
gravel to sandy gravel	3,172	1,057	gravel overlies silty sand; may be deeper gravel						90	647	pitted outwash	eolian sand may overly outwash; clast max. 20 cm., quartzite, sandstone, some conglomerate, shale and ironstone.	
bouldery, sandy gravel	~315	~315	very coarse						3	141	alluvial fan (reworked?)	individual deposit areas: 39-48 (ha); 40-10; 41-32	
sandy gravel	900	525	some dirty silty sand	60-65	35-40	~1			1+	63	alluvial fans	quartzite, sandstone and carbonate.	
sandy gravel	~20,960	~20,960	max. thickness 15 m; water table at base						2.5	60	alluvial fans	clasts over 1 m.	
sand and gravel (?)									4+	1048	pitted outwash; channel fill	clast max. 10 cm; quartzite, carbonate and shale.	
dirty sandy gravel	~40	~40	beneath silt (?)						1	154	glaciofluvial	contains coal fragments.	
coarse sandy gravel	~60	~60							1.5	8	glaciofluvial (?)	mainly quartzite; clast max. 30 cm.	
										8	fluvial		



Geological Survey test hole

Aggregate Resources

entrance
y J.C. Fox
8
and review by W.A.D. Edwards 1987-88

and gravel resource map prepared by the Alberta Geological Survey as part of a series at 1:50,000. The series represents an ongoing aggregate inventory of Alberta which provides information for land-use planning, land management or aggregate exploration. Please note that the locations and calculation of reserves are approximations only. Alberta Energy and Natural Resources financial support for the Aggregate Inventory.

Produced by the SURVEYS AND MAPPING BRANCH,
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Updated from aerial photographs taken in 1976. Culture check
1977. Information current as of 1977.

Copies may be obtained from the Canada Map Office,
Department of Energy, Mines and Resources, Ottawa,
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Roads: Routes:
hard surface, all weather pavée, toute saison dual highway
hard surface, all weather pavée, toute saison 2 chaussées séparées
hard surface, all weather pavée, toute saison 2 lanes
loose or stabilized surface, all weather . gravel, aggloméré, toute saison 2 lanes or more
loose surface, dry weather de gravier, temps sec 2 voies ou moins
unclassified streets rues hors classe
cart track de terre
trail, cut line or portage sentier, percée ou portage
dual highway
2 chaussées séparées
2 lanes
2 voies
2 lanes or more
2 voies ou moins
de terre
sentier, percée ou portage

FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES

**ENTRANCE
ALBERTA**

WEST OF FIFTH MERIDIAN - OUEST DU CINQUIÈME MERIDIEN

Scale 1:50,000 Échelle 1:50,000

Miles 1 0 1

Metres 1000 0 1000 2000 3000

Yards 1000 0 1000 2000 3000

Legend:
 way parées more than 2 lanes
 plus de 2 voies
 less than 2 lanes moins de 2 voies
 less than 2 lanes moins de 2 voies
 plus moins de 2 voies

ES, VOIR AU VERSO