EAST GLACIER CREEK II

STRATIGRAPHIC SECTION

Sec. 32, T3S, R21W, SM.

JUNE, 1976

MEASURED BY: J.C.WILLS

TERTIARY

KENAI GROUP

WEST FORELAND FORMATION

			Age Porosity %	Environments Permeability md.
		COVERED - Continue east across East Glacier Creek approximately 3/8 mile to tie into East Glacier Creek stratigraphic section.		
	20'	CONGLOMERATE - Pebble to cobble size clasts, clast supported in part. Sandstone channel fill visible in wave cut face. Weathers to gravel pile.		
	30'	SANDSTONE - Bedded, 6 inches to 3 feet thick, medium to coarse grained, color N-8 very light gray on fresh surf.		
19-JCW-76			0.3	<0.01
	40'	COVERED		
	15'	SILTSTONE - Shows soft sediment flow structure and sandy concretions.		
	12'	SANDSTONE - Massive, well indurated. Medium to coarse grained. Color light olive gray 5 Y 6/1 on fresh surface.		
18-JCW-76			1.2	<0.01
	12'	SILTSTONE - Shows soft sediment flow structure and sandy concretions as above.		
	6'	SANDSTONE - Massive, channeled into underlying siltstone. Medium grained. Top of sand unit grades to cobble conglomerate lenses to 1 foot thick.		
	27'	INTERBEDDED SILTSTONE AND SANDSTONE - Sandstone lenses to 1 foot thick, becoming more frequent toward top. Cut and fill features, thin pebble conglomerate lenses.		
	10'	COVERED - Covered area could be fault or shear zone.		
	38'	CONGLOMERATE - Bedded, clasts pebble to cobble sized, matrix supported. Sandy siltstone matrix. Grades laterally to siltstone with floating pebbles. Contains cut and fill sandstone lenses. Clasts are 50% plutonic (diorite?) and 50% green to black metamorphosed sediments.		
	10'	SANDSTONE - Massive, fine to medium grained, tan on weathered surface, light olive gray 5 Y 6/1 on fresh surface. Finely laminated toward bottom.		
17-JCW-76			1.5	<0.01
	15'	SILTSTONE - Sheared, fractured. Includes concretions and pods of tuff. Soft sediment flow structure evident thickness may be complicated by faulting and/or shearing.		
	25'	SANDSTONE AND CONGLOMERATE - Possible repeat of sandstone and conglomerate unit below. Contains crossbedding, at approximately 10 feet down from top of unit, the conglomerate contains a high percentage of reddish-pink volcanic clasts, and the sandstone contains inclusions of pink tuff.		
	FAULT ZONE			
	25'	SILTSTONE - Sheared, fractured. Soft sediment flow structure evident. Contains concretions and pods of tuff.		
	24'	SANDSTONE AND CONGLOMERATE - Massive, interbedded. Sandstone: medium to coarse grained, occasionally pebbly. Very well indurated. Color light olive gray 5 Y 6/1 on fresh surface. Conglomerate: contains pebble to cobble sized clasts, matrix supported. Sandy siltstone matrix. Well indurated. Clasts are 50% plutonic (diorite) and 50% green to black metamorphosed sediments. Noticeable red stain. The beds appear to be somewhat lenticular, and are channeled into the underlying unit.		
16-JCW-76			1.3	<0.01
		ATTITUDE 16°S 73°E		
15-JCW-76				
	10'	SILTSTONE AND SANDSTONE - Thinly bedded, lenticular. Sample 14-JCW-76 (palynology) from brown silty claystone at base of unit.		
14-JCW-76	22'	SILTSTONE - Massive, fractured, jointed. Color dark gray N-3. Includes sandstone stringers to 6 inches thick near base of exposure. This unit is extensively exposed at low tide, and exhibits reddish calcite filled joints and shear zones.		
			0.7	0.04
13-JCW-76				

COVERED BY BEACH

VERTICAL SCALE: 1" = 10'