

TABLE 9

CORRELATION RESULTS USING STUDENT’S T-TEST

No = no significant correlation exists at the 0.05 level of significance;
dashes are shown where no test was made.

MEAN GRAIN SIZE	Dugout Mt. flysch	Flysch above boulder bed	Coarse sandstone	Flysch below boulder bed
Flysch above boulder bed	----			
Coarse sandstone	No	Yes t=2.8 P<0.01		
Flysch below boulder bed	----	No	Yes t=3.4 P<0.001	
All flysch	No	----	Yes t=4.4 P<0.001	----

CEMENT

Flysch above boulder bed	----			
Coarse sandstone	No	No		
Flysch below boulder bed	----	No	No	
All flysch	Yes t=2.26 P<0.05	----	No	----

MATRIX

Flysch above boulder bed	----			
Coarse sandstone	No	Yes t=4.1 P<0.001		
Flysch below boulder bed	----	No	Yes t=3.87 P<0.001	
All flysch	No	----	Yes t=6.9 P<0.001	----

QUARTZ

Flysch above boulder bed	----			
Coarse sandstone	No	No		
Flysch below boulder bed	----	Yes t=2.21 P<0.05	No	
All flysch	No	----	No	----

TOTAL FELDSPAR

Flysch above boulder bed	----			
Coarse sandstone	Yes t=3.36 P<0.001	Yes t=3.86 P<0.001		
Flysch below boulder bed	----	No	No	
All flysch	Yes t=2.76 P<0.01	----	No	----

PLAGIOCLASE	Dugout Mt. flysch	Flysch above boulder bed	Coarse sandstone	Flysch below boulder bed
Flysch above boulder bed	No			
Coarse sandstone	Yes t=3.58 P<0.01	Yes t=3.74 P<0.001		
Flysch below boulder bed	No	No	Yes t=2.66 P<0.01	
All flysch	No	----	Yes t=5.7 P<0.001	----

K-FELDSPAR

Flysch above boulder bed	No			
Coarse sandstone	No	Yes t=3.18 P<0.01		
Flysch below boulder bed	----	No	Yes t=3.15 P<0.01	
All flysch	Yes t=2.38 P<0.02	----	Yes t=3.6 P<0.001	----

METAMORPHIC ROCK FRAGMENTS

Flysch above boulder bed	----			
Coarse sandstone	No	No		
Flysch below boulder bed	----	No	No	
All flysch	No	----	No	----

SEDIMENTARY ROCK FRAGMENTS

Flysch above boulder bed	----			
Coarse sandstone	No	No		
Flysch below boulder bed	----	No	No	
All flysch	No	----	No	----

POLYCRYSTALLINE QUARTZ

Flysch above boulder bed	No			
Coarse sandstone	No	No		
Flysch below boulder bed	No	No	No	
All flysch	No	----	No	----