

Fig. 7. Map showing location of stratigraphic columns within NZMS 260 Sheet V20.



A



76

2 of 2

B





<b>Stratigraphic Column No:</b> 77	<b>Grid Reference:</b> <b>Top</b>	<b>Bottom</b>	NZMS 260 V20  <span style="font-size: 2em; color: red;">77</span>  2 of 2
<b>GPS Waypoint No(s):</b> Wp 23-24	<b>E:</b> 2830925	2831200	
<b>Region:</b> Glengarry	<b>N:</b> 6203854	6203722	
<b>Location:</b> Glengarry Hill north of entrance to Eland Station	<b>Altitude:</b> 386 m	355 m	
<b>NZMS 260 Sheet:</b> V20 Esk	<i>Page 2 of 2</i>		<b>Author:</b> K. Bland

Age	Strat. Unit		Scale (metres)	Lithology	Sampling interval	Facies	WP No.	Samples	Contacts	Description
	Int.	N.Z.								
Late Pliocene	Lower Nukumaru		0-20			Z <sub>1</sub> /Z <sub>2</sub>				Shellhash-dominated limestone, with scattered Torlesse pebbles, rare intact <i>Ostrea chilensis</i> valves. Displays metre-scale cross bedding.
	Managaheia Group/Matahorua Formation									
Upper Mangapianian	Trelinnoe Member		11-14			S <sub>9</sub> / Cg <sub>2</sub>				Blue-grey non cemented silty sandstone. Slightly micaceous, massive to laminated with rare plant fossils in some concretions. Grades into overlying sandy limestone.
	Papakiri Member		14-20			Cg <sub>6</sub> Cg <sub>2</sub> Cg <sub>1</sub>				

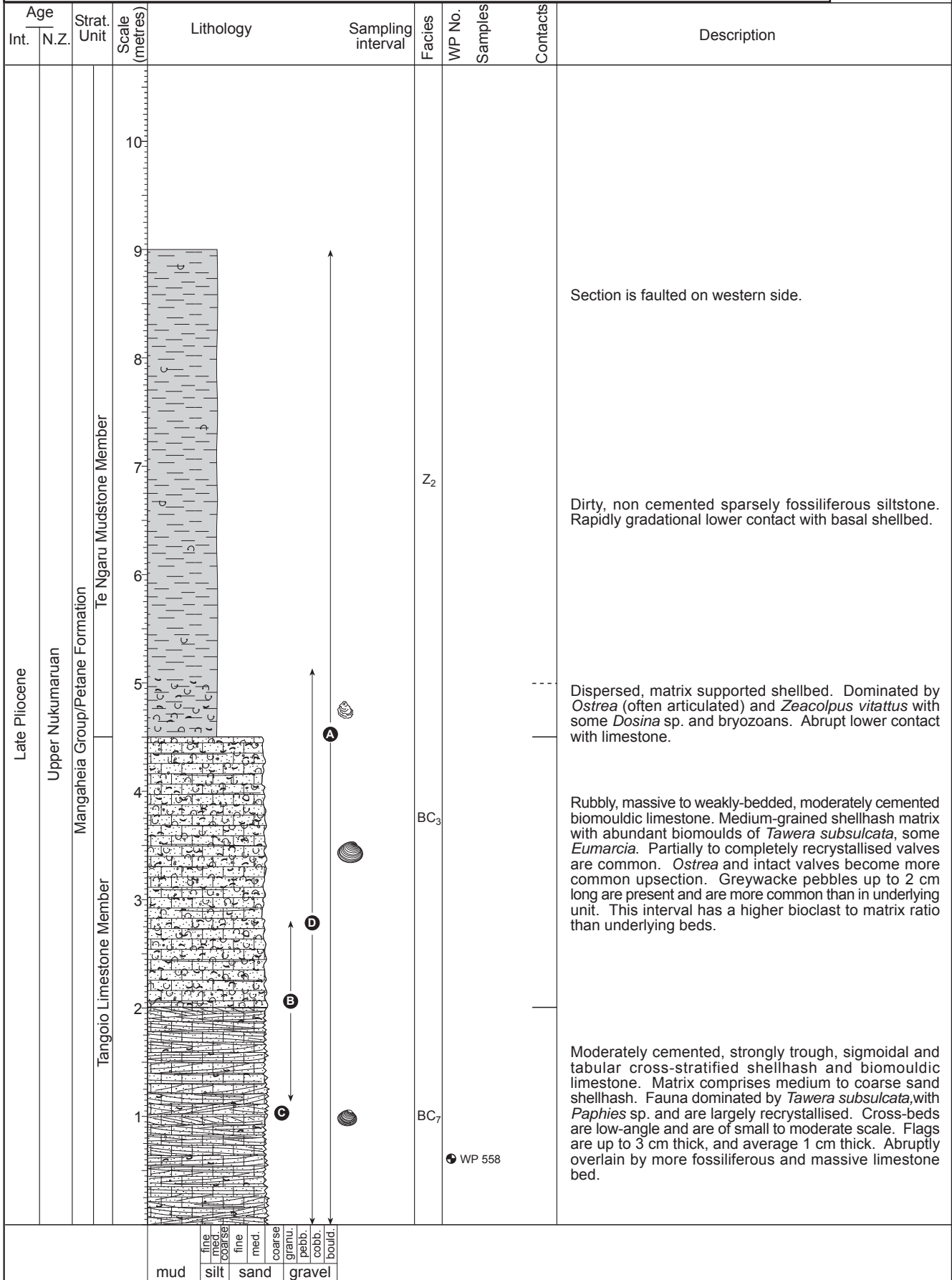
↓ Page 1

mud	fine med coarse	fine med.	coarse granu. pebb.	cobb. bould.
silt	sand	gravel		

<b>Stratigraphic Column No:</b> 78	<b>Grid Reference:</b> <b>Top</b>	<b>Bottom</b>	NZMS 260 V20  <span style="font-size: 2em; color: red;">78</span>  1 of 1
<b>GPS Waypoint No(s):</b> Wp 329	<b>E:</b> 2837588	-	
<b>Region:</b> Eskdale	<b>N:</b> 6200001	-	
<b>Location:</b> Rautotoi Stream near Ellis Wallace Road and Esk River	<b>Altitude:</b> 42m	-	
<b>NZMS 260 Sheet:</b> V20 Esk	Page 1 of 1		<b>Author:</b> K. Bland

Age	Strat. Unit	Scale (metres)	Lithology	Sampling interval	Facies	WP No.	Samples	Contacts	Description												
										Int.	N.Z.										
Late Pliocene																					
Lower Nukumaruan																					
Mangaheia Group																					
Petane Fm/Hikuroa Pumice Mbr																					
Petane Formation/Tutira Member																					
Esk Mst																					
		16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1			V <sub>2</sub> / V <sub>3</sub>			---	<p>White to pink-coloured pumiceous bed. Fine ash to lapilli-sized clasts.</p>												
					Cg <sub>1</sub>			---	<p>Non fossiliferous greywacke conglomerate with granule to pebble-sized clasts. Lenticular-shaped grains dominate with common oblate clasts.</p>												
					S <sub>1</sub>			---	<p>Non cemented, very well sorted, slightly micaceous fine to medium sandstone sharply overlying underlying siltstone.</p>												
					Z <sub>1</sub>	● WP 329		---	<p>Blue-grey, non cemented, non fossiliferous massive to laminated siltstone with rare water escape structures.</p>												
			<table border="1" style="font-size: 0.8em;"> <tr> <td>mud</td> <td>fine med coarse</td> <td>fine med.</td> <td>coarse granu.</td> <td>pebb.</td> <td>cobb.</td> <td>bould.</td> </tr> <tr> <td>silt</td> <td>sand</td> <td>gravel</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	mud	fine med coarse	fine med.	coarse granu.	pebb.	cobb.	bould.	silt	sand	gravel								
mud	fine med coarse	fine med.	coarse granu.	pebb.	cobb.	bould.															
silt	sand	gravel																			

<b>Stratigraphic Column No:</b> 79	<b>Grid Reference:</b> Top	<b>Bottom</b>	NZMS 260 V20  <span style="font-size: 2em; color: red;">79</span>  1 of 2
<b>GPS Waypoint No(s):</b> Wp 558	<b>E:</b> -	2846961	
<b>Region:</b> Tangoio	<b>N:</b> -	6198520	
<b>Location:</b> North end of Whirinaki Beach, outlier on beach	<b>Altitude:</b> -	0 m	
<b>NZMS 260 Sheet:</b> V20 Esk	Page 1 of 1	<b>Author:</b> K. Bland	



mud	fine med. coarse	fine med. coarse	granu. pebb. cobb. bould.
silt	sand	gravel	





<b>Stratigraphic Column No:</b> 81	<b>Grid Reference:</b> <b>Top</b>	<b>Bottom</b>	NZMS 260 V20  <span style="font-size: 2em; color: red;">81</span>  1 of 1
<b>GPS Waypoint No(s):</b> Wp 304	<b>E:</b> 2837265	-	
<b>Region:</b> Eskdale	<b>N:</b> 6198589	-	
<b>Location:</b> Belmont Station below trig overlooking SH5	<b>Altitude:</b> 171m	-	
<b>NZMS 260 Sheet:</b> V20 Esk	<b>Page 1 of 1</b>	<b>Author:</b> K. Bland	

Age	Strat. Unit	Scale (metres)	Lithology	Sampling interval	Facies	WP No.	Samples	Contacts	Description																	
										Int.	N.Z.															
Late Pliocene	Upper Nukumaruian Mangaheia Group Petane Formation/Darkys Spur Member Tararee Conglomerate Bed	0 to 12			Cg <sub>1</sub> S <sub>9</sub> S <sub>2</sub> Z <sub>1</sub> V <sub>3</sub>	WP 304			<p>Moderately sorted medium grained greywacke conglomerate sharply overlying pebbly sandstone.</p> <p>Very well sorted laminated non cemented sandstone with common very well sorted greywacke pebble lenses up to 20 cm thick. The clasts in these lenses are well rounded, spheroid to oblate in shape and are typically 10 mm across.</p> <p>Non cemented fine to medium sandstone overlain by a series of siltstone, sandy siltstone and shellhash sandstone beds. The lower sandstone bed displays prominent convolute bedding, trough and herringbone cross-stratification and planar laminations. Mudstone stringers in this unit are disrupted. Burrows are present from siltstone beds down into underlying sandstone units.</p>																	
		<table border="1"> <tr> <td>mud</td> <td>fine med coarse</td> <td>fine med.</td> <td>coarse granu. pebb. cobb. bould.</td> </tr> <tr> <td>silt</td> <td></td> <td></td> <td></td> </tr> <tr> <td>sand</td> <td></td> <td></td> <td></td> </tr> <tr> <td>gravel</td> <td></td> <td></td> <td></td> </tr> </table>		mud	fine med coarse	fine med.	coarse granu. pebb. cobb. bould.	silt				sand				gravel										
mud	fine med coarse	fine med.	coarse granu. pebb. cobb. bould.																							
silt																										
sand																										
gravel																										

<b>Stratigraphic Column No:</b> 82	<b>Grid Reference:</b> <b>Top</b>	<b>Bottom</b>	<b>NZMS 260 V20</b>  <b>82</b>  <b>1 of 2</b>
<b>GPS Waypoint No(s):</b> Wp 319	<b>E:</b> 2836223	-	
<b>Region:</b> Eskdale	<b>N:</b> 6196746	-	
<b>Location:</b> Section in hillside below farm track off the end of Beattie road	<b>Altitude:</b> 91m	-	
<b>NZMS 260 Sheet:</b> V20 Esk	<b>Page 1 of 1</b>	<b>Author:</b> K. Bland	

Age	Strat. Unit	Scale (metres)	Lithology	Sampling interval	Facies	WP No.	Samples	Contacts	Description									
										Int.	N.Z.							
Late Pliocene	Lower Nukumaruan Mangaheia Group	0-10																

