

## TYPE LOCALITY DETAILS OF UPPER TERTIARY AND LOWER PLEISTOCENE STRATA

GROUP	FORMATION	MEMBER OR ZONE	LOCATION	THICKNESS in feet	UNDERLYING BEDS	OVERLYING BEDS	AGE
MANGAHAO		G <sub>9</sub> Breccia	Kopikopiko Creek	c 70	G <sub>7</sub> Conglomerate	G <sub>7</sub> Conglomerate	OKE HUAN
		G <sub>8</sub> Sandstone	Tainui Stream	c 190	G <sub>7</sub> Conglomerate	G <sub>7</sub> Conglomerate	" "
		G <sub>7</sub> Conglomerate	Otangu Stream	850 +	G <sub>3</sub> Conglomerate		" "
		G <sub>6</sub> Sandstone	East of the Rongomai Fault	650 +	G <sub>1</sub> Limestone		NUKUMARUAN
MANGAMAIRE		G <sub>5</sub> Mudstone	Left branch of Tainui Stream	c 420	G <sub>4</sub> Siltstone	G <sub>7</sub> Conglomerate	"
TOTARANUI		G <sub>4</sub> Siltstone	Tainui Stream	130	G <sub>3</sub> Conglomerate	G <sub>7</sub> Conglomerate	"
		G <sub>3</sub> Conglomerate	Hendersons Farm	300 +	G <sub>1</sub> Limestone		"
		G <sub>2</sub> Sandstone	North of the Mangar- amarama Fault	100-120	G <sub>1</sub> Limestone	G <sub>1</sub> Limestone	"
	G <sub>1</sub> Limestone	Totaranui Farm	c 150	KAITAWA SANDSTONE		"	
	<u>Pellicaria n. sp. aff. tricarinata</u>	Marima	490 +	Zone <u>Pellicaria n. sp. aff. <u>accuminata</u></u>	G <sub>1</sub> Limestone	HAUTAWAN	
	T <sub>6</sub> Shell Bed	Near Karearea Trig	1-3	Zone <u>Pellicaria n. sp. aff. <u>tricarinata</u></u>	Zone <u>Pellicaria n. sp. aff. <u>tricarinata</u></u>	"	
	T <sub>5</sub> Shell Bed	" " "	5	"	"	"	
	T <sub>4</sub> Shell Bed	Marima	5-7	"	"	"	
MARIMA SANDSTONE		<u>Pellicaria n. sp. aff. accuminata</u>	Mangahao River	c 470	Zone <u>Pellicaria canaliculata</u>	"	HAUTAWAN- WAITOTARAN
	T <sub>3</sub> Shell Bed	Mangahao River	12	Zone <u>Pellicaria n. sp. aff. <u>accuminata</u></u>	Zone <u>Pellicaria n. sp. aff. <u>accuminata</u></u>	WAITOTARAN	
	<u>Pellicaria canaliculata</u>	Mangahao River	c 500	TANE SANDSTONE	Zone of <u>Pellicaria n. sp. aff. <u>accuminata</u></u>	WAIPIPIAN	
	T <sub>2</sub> Conglomerate	West of the Mangarpiu Road	c 500	Zone of <u>Pellicaria canaliculata</u>		"	
	T <sub>1</sub> Basal limey Sandstone	Near Koti (2) Trig	4-5	TANE SANDSTONE	Zone of <u>Pellicaria canaliculata</u>	"	
KAITAWA SANDSTONE		North east of the Manga- ramarama Fault	800 +	UPPER MAKURI SILTSTONE	G <sub>1</sub> Limestone	HAUTAWAN	
UPPER PORI LIMESTONE		Above Makuri Gorge, Right side.	50 +	UPPER MAKURI SILTSTONE		"	
PORI SANDSTONE		Pori	165 +	LOWER PORI LIMESTONE		HAUTAWAN- WAITOTARAN	
UPPER MAKURI SILTSTONE		Makuri River	700 +	KOROPEKE SANDSTONE		"	
	F <sub>18</sub>	Rangedale Station	2-4	UPPER MAKURI SILTSTONE	UPPER MAKURI SILTSTONE	"	
KOROPEKE LIMESTONE		Koropeke Trig	70	KOROPEKE SANDSTONE	KOROPEKE SANDSTONE	WAITOTARAN	
KOROPEKE SANDSTONE		Koropeke Trig	c 850	LOWER MAKURI SILTSTONE	UPPER MAKURI SILTSTONE	"	
LOWER PORI LIMESTONE		Puketoi Road	c 750	SKYE FARM SANDSTONE	PORI SANDSTONE	"	
	F <sub>14</sub> Sandstone lens	Near Rangedale Station	c 30	LOWER PORI LIMESTONE	LOWER PORI LIMESTONE	"	
	F <sub>13</sub> Sandstone lens	" " "	c 30	LOWER PORI LIMESTONE	LOWER PORI LIMESTONE	"	
SKYE FARM SANDSTONE		Skye Farm	350	MAKURI SANDSTONE	LOWER PORI LIMESTONE	WAITOTARAN- WAIPIPIAN	
	F <sub>11</sub> Coquina limestone	Northeast of Mt Marchant	3	SKYE FARM SANDSTONE	SKYE FARM SANDSTONE	"	
	F <sub>10</sub> Coquina limestone	" " "	10	LOWER MAKURI SILTSTONE	SKYE FARM SANDSTONE	"	
LOWER MAKURI SILTSTONE		Makuri River	c 800	MAKURI SANDSTONE	KOROPEKE SANDSTONE	"	
MAKURI SANDSTONE		Makuri River	c 460	TANE SANDSTONE	LOWER MAKURI SILTSTONE	WAIPIPIAN	
	F <sub>7</sub> Limestone	West limb Mangamahoe Syncline	70	MAKURI SANDSTONE	LOWER MAKURI SILTSTONE	"	
	F <sub>6</sub> Siltstone	West limb Mangamahoe Syncline	360	MAKURI SANDSTONE	MAKURI SANDSTONE	"	
	F <sub>4</sub> Limy Sandstone	Tuscan Hills Farm	c 10	MAKURI SANDSTONE	MAKURI SANDSTONE	"	
MAKURI SANDSTONE		F <sub>3</sub> Limy Sandstone	Ngaturi Creek	8-15	MAKURI SANDSTONE	MAKURI SANDSTONE	"
	F <sub>2</sub> Limy Sandstone	Mangaone River	20	TANE SANDSTONE	MAKURI SANDSTONE	"	
	F <sub>1</sub> Limy Sandstone	Kaitawa Creek	c 10	TANE SANDSTONE	MAKURI SANDSTONE	"	
TANE SANDSTONE		Tane area	1000 +	TAWATIA SANDSTONE	MAKURI SANDSTONE	OPOITIAN	
NEWMAN SILTSTONE		Newman	1400	TAWATIA SANDSTONE		"	
TAWATIA SANDSTONE		Tawatia	1550	EKETAHUNA TURBIDITE	TANE SANDSTONE	"	
EKETAHUNA TURBIDITE		Eketahuna	1800	EKETAHUNA MUDSTONE	TAWATIA SANDSTONE	"	
EKETAHUNA		E <sub>6</sub> Sandstone bed	Alfredton	15	EKETAHUNA TURBIDITE	EKETAHUNA MUDSTONE	"
		Eketahuna	600	S <sub>1</sub> Siltstone	EKETAHUNA TURBIDITE	"	