

Assessment Schedule – 2011**Geography: Apply concepts and basic geographic skills to demonstrate understanding of a given environment (91010)****Evidence Statement**

Question	Evidence	
ONE	Codes: B = Basic C = Complex	
(a)	<ul style="list-style-type: none"> Geographic description of New Zealand's location, with reference to specific information. 	Describes New Zealand's location in general, or refers to only ONE piece of specific information. B OR: Comprehensively describes New Zealand's location using at least TWO pieces of specific information. C
(b) (i)	<ul style="list-style-type: none"> TWO lakes north of Twizel are named: <ul style="list-style-type: none"> Lake Pukaki Tekapo Alexandrina Clearwater Emma Heron Moeraki Paringa. 	TWO lakes must be named. B
(ii)	<ul style="list-style-type: none"> Height of the land identified from the key. (Accept between 500 m and 1500 m). 	Must have "m / metres" after the height. C
(c) (i)	<ul style="list-style-type: none"> State Highway 8 	B
(ii)	<ul style="list-style-type: none"> 170° 05' E 	B
(iii)	<ul style="list-style-type: none"> 676947 (Accept + / – 1 either side of the 3rd and 6th digits, ie 675947 or 677947 and 676946 or 676948). 	B

(iv)	<ul style="list-style-type: none"> • 700 m OR 0.7 km (Accept 675–725 m). • Problem: <ul style="list-style-type: none"> - Power lines and / or pylons / substation. • Evidence would include reference to lines on pylons or poles and may include reference to location to power lines in relation to airstrip. 	B C
(v)	<ul style="list-style-type: none"> • 456 m 	B
(d) (i) (ii)	<ul style="list-style-type: none"> • South-east (SE) AND • New roads / subdivision / settlement have been constructed. 	C
(iii)	<ul style="list-style-type: none"> • Photographs can show more recent changes (maps not usually up to date). • Photographs show features in more detail than maps. • Photographs can give clues to the height / size of vegetation, depending on shadow sizes. • Photographs show features more realistically. • Photographs can be easier to interpret than maps. • Don't have to use a key to see what things are. 	ONE correct reason given B OR: TWO correct reasons given. C
(e)	Précis Map: (1) Oxidation Ponds. (2) Twizel River (SE of the bridge on State Highway 8). (3) The area of trees to the north of Kate Cameron Drive and south of the campground. (4) The highest point on Mt Ostler.	(1) B (2) B OR C (3) B (4) B OR C (must have height labelled for C) See Appendix A for responses at various levels.

Not Achieved	N0	No response; no relevant evidence. <i>OR:</i> 1 or 2 correct out of 15 opportunities.
	N1	3–5 correct out of 15 opportunities.
	N2	6 or 7 correct out of 15 opportunities.
Achievement	A3	8 correct out of 15 opportunities.
	A4	9 or 10 correct out of 15 opportunities.
Merit	M5	10 correct out of 15 opportunities, including 4 C answers. <i>OR:</i> 11 correct out of 15 opportunities, including 3 C answers. <i>OR:</i> 12 correct out of 15 opportunities.
	M6	12 correct out of 15 opportunities, including 3 C answers.
Excellence	E7	13 correct out of 15 opportunities, including 4 C answers.
	E8	14–15 correct out of 15 opportunities, including 5 C answers.

Question		Evidence
TWO (a)		<ul style="list-style-type: none"> Line graph: <ul style="list-style-type: none"> title Y axis must be labelled, with an even and appropriate population scale beginning at zero X axis must be labelled, with an even and appropriate time scale line graph technically correct (minimum of three points plotted and identified) joined with an appropriate line. <p>See Appendix B for accuracy of response. NB: Maximum 3 correct if no line graph drawn.</p>
(b)		<ul style="list-style-type: none"> (At least) 3 600 people
(c) (i) and (ii)		<ul style="list-style-type: none"> BOTH of: <ul style="list-style-type: none"> December AND 460 mm (accept 455-465 mm).
(iii)		<ul style="list-style-type: none"> Twizel
(iv)		<ul style="list-style-type: none"> 20.2°C
(v)		<ul style="list-style-type: none"> Example: <ul style="list-style-type: none"> Twizel (20.2°C) is warmer than Aoraki / Mount Cook Village (14°C), during the summer months of January and February, and they share similar temperatures in winter (3°C). Aoraki / Mount Cook Village gets 460 mm rain in December, compared to 48 mm in Twizel. (Figures should be stated).
Not Achieved	N0	No response; no relevant evidence. OR: 1–2 correct out of 11 opportunities.
	N1	3 correct out of 11 opportunities.
	N2	4–5 correct out of 11 opportunities.
Achievement	A3	6 correct out of 11 opportunities.
	A4	7 correct out of 11 opportunities.
Merit	M5	7 correct out of 11 opportunities, including (c) (iii) OR (v) – rainfall OR temperature.
	M6	8 correct out of 11 opportunities, including (c) (iii) OR (v) – rainfall OR temperature.

Excellence	E7	9 correct out of 11 opportunities, including (c) (iii) AND (v) – reference to BOTH Aoraki / Mt Cook Village and Twizel, AND rainfall and temperature.
	E8	10 correct out of 11 opportunities, including (c) (iii) AND (v) – reference to BOTH Aoraki / Mt Cook Village and Twizel, AND rainfall and temperature.

Question		Evidence
THREE		EACH of the three paragraphs will be assessed. Codes:
		Ep = Partial explanation (a basic understanding of the concept of change shown, but little supporting evidence). OR: Ed = Detailed explanation (a full explanation of the concept of change is given with supporting evidence). OR: N = Not answered, irrelevant or insufficient answer.
(a)		Suggestions: Physical changes including land use changes: <ul style="list-style-type: none"> • Construction of Twizel township as a hydro village. • Changed from being a high country sheep station. • Shelterbelts and trees planted on the bare land. • Lakeside subdivision (new roads built). • Construction of Lake Ruataniwha, and canals, dams, power station. • Introduction of dairy farming with irrigation.
(b)		Population changes: <ul style="list-style-type: none"> • Twizel had no population in 1966. • The population was 5 184 in 1976. • In 1996 the population was 1 014. • They fought to stop the removal of the town in 1983. • 2011 Population = 1 200, rising to over 3 600 in summertime, as it attracts tourists and visitors.
(c)		Recreational changes: <ul style="list-style-type: none"> • Rowing on Lake Ruataniwha. • Golf at the Twizel Golf Course. • Department of Conservation has a Black Stilt Conservation area (tourist attraction). • Relaxed lifestyle by lakes and mountains. • Sporting facilities are centrally located in the town. • Destination for tourists. • Flying (Pukaki Aerodrome and three small airstrips). • Campground.
Not Achieved	N0	No response; no relevant evidence.
	N1	ONE part completed with partial explanation, but no supporting evidence.
	N2	1 Ep
Achievement	A3	2 Ep OR: 1 Ed
	A4	1 Ed AND 1 Ep

Merit	M5	3 Ep <i>OR:</i> 1 Ed and 2 Ep
	M6	2 Ed
Excellence	E7	2 Ed AND 1 Ep
	E8	3 Ed

Judgement Statement

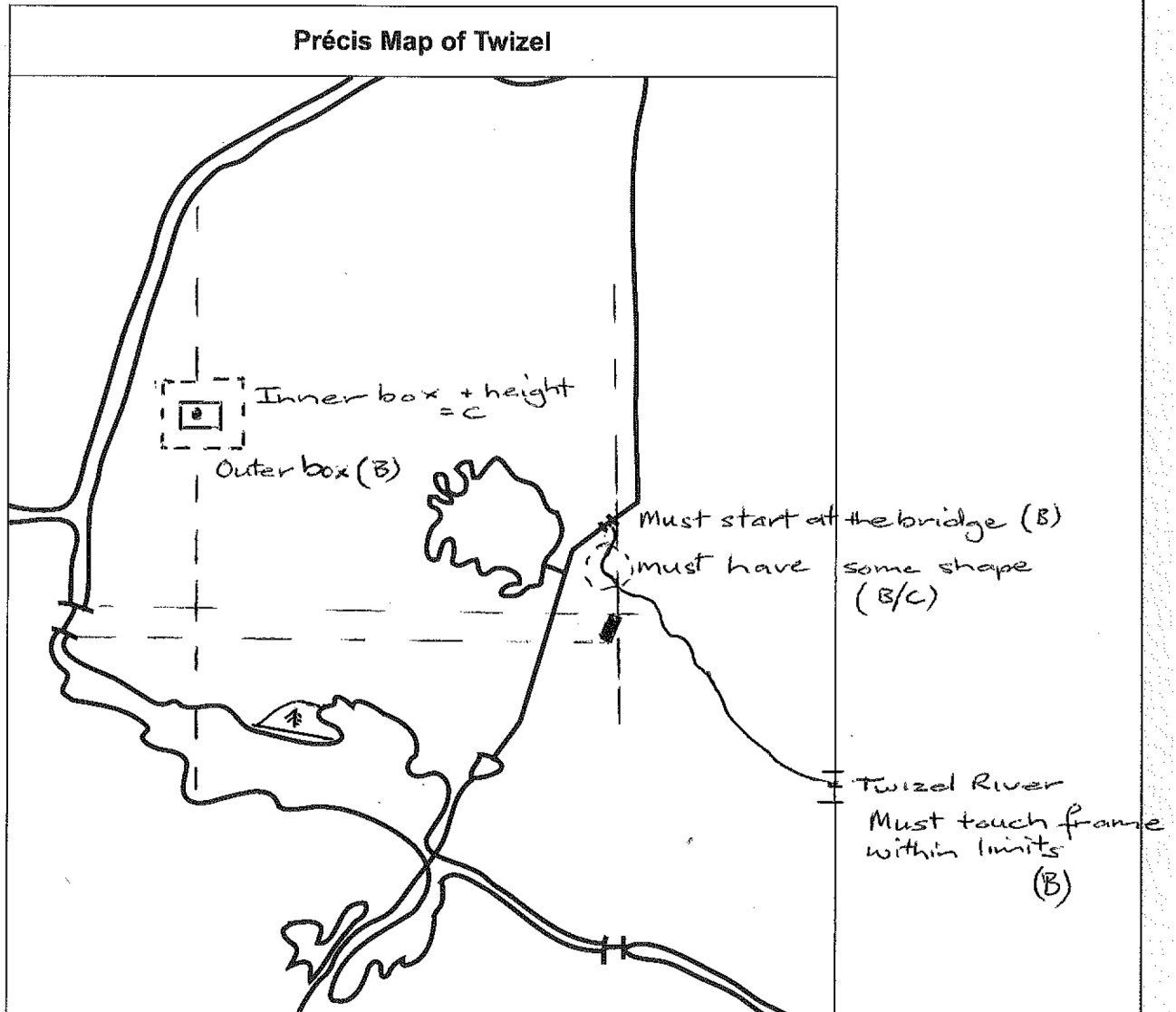
	Not Achieved	Achievement	Achievement with Merit	Achievement with Excellence
Score range	0 – 7	8 – 13	14 – 18	19 – 24
Codes B = Basic C = Complex Ep = Partial explanation (a basic understanding of the concept of change shown, but little supporting evidence) <i>OR:</i> Ed = Detailed explanation (a full explanation of the concept of change is given with supporting evidence) <i>OR:</i> N = Not answered, irrelevant or insufficient answer				

Appendix A – Question One (e)





Précis Mapping

On the précis map of Twizel below, locate and label:

- the oxidation ponds east of Twizel
- the Twizel River south-east of the bridge on State Highway 8
- the area of trees to the north of Kate Cameron Drive and south of the campground
- the highest point on Mt Ostler.



Key:

	Oxidation ponds
	Twizel River
	Area of trees
	Mt Ostler

Appendix B – Question Two (a)

Construct a line graph to show the population of Twizel from 1966 to 2011.

