

<b>SPECIFIC CONDITION AND TREND INDICATORS FOR SITE/AREA</b>							
[Examples: highly palatable plants, good food plants for birds, rare species, seedlings, epicormic shoots, possum sign, tracking, bark stripping, sensitive fauna, rampant weeds, visitor numbers, water quality, erosion, vegetation structure, bird population.....]							
<u>Indicator</u>	<u>Condition</u> <sup>1</sup>	<u>Trend</u> <sup>2</sup>	<u>Monitoring technique</u>	<u>Comments</u>			
<i>Alepis flavida</i>	Poor-Good	Stable?	Tagged plants	Highly vulnerable to possums			
<i>Peraxilla tetrapetala</i>	Fair	Improving, Declining	Tagged plants	Highly vulnerable to possums			
Tree fuchsia, Wineberry	Poor	Declining	Observation/Plots	Highly vulnerable (deer, possums)			
Haumakaroa	Fair	Stable	Observation/Plots	Highly vulnerable (deer, possums)			
Mountain fivefinger	Poor	Declining	Observation/Plots	Highly vulnerable (deer, possums)			
Broadleaf seedlings	Poor	Stable	Observation/Plots	Highly vulnerable (deer)			
Broadleaf epicormics	Poor	Stable	Observation/Plots	Highly vulnerable (deer)			
<i>Cordyline indivisa</i>	Good	Stable	Observation				
Hall's totara	Poor	Declining	Observation/Plots	Highly vulnerable (deer, possums)			
NI Kiwi	Poor	Declining	Radio tracking	Need predator/competitor control			
Kaka, Kakariki	Poor	Declining	Radio tracking	Need predator/competitor control			
<i>Pinus contorta</i>	Numerous	Increasing	Observation/Plots	Control at key sites			
<b>MANAGEMENT HISTORY, CURRENT REGIME AND FUTURE NEEDS</b>							
<u>Control Programme</u>	<u>&gt;10 yrs ago Effectiveness</u>	<u>3-10 yrs ago Effectiveness</u>	<u>Last 3 years Effectiveness</u>	<u>Current Effectiveness</u>	<u>Future Needs</u>		
	(o * ** ***)	(o * ** ***)	(o * ** ***)	(o * ** ***)	Scale up	Status quo Scale down	
Ungulate	*	*	*	*	✓		
Pig							
Possum	*	**	**	**	✓		
Mustelid/Cat	o	o	o	o	✓		
Rodent	o	o	o	o	✓		
Weed	*	**	**	**	✓		
Fencing							
Visitor impact	**	**	**	**	✓		
Other (specify)							
<b>Notes: This is a very special area; every management programme is currently inadequate (to varying degrees)</b>							
<b>PRIORITY FOR MANAGEMENT</b>							
<u>Management Need</u>	<u>Priority</u>			<u>Urgency</u>			<u>When/Frequency</u> <sup>3</sup>
	Low	Mod	High	Low	Mod	High	
Baseline survey	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Asap
Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Seasonally, Annually
Animal pest control	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Asap/Ongoing
Weed control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ongoing
Visitor management	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Asap/Ongoing
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<sup>1</sup> Good (healthy, thriving); Fair (okay); Poor (depleted, struggling); Don't know (?)

<sup>2</sup> Improving; Stable; Declining/Deteriorating; Don't know (?)

<sup>3</sup> Monthly, Seasonally, Annually, 2-yearly, 5-yearly, 10 yearly, Ongoing, etc.

RAPID ASSESSMENT FORM FOR ECOLOGICAL CONDITION AND TREND

<b>Location (name, details):</b> <b>MONCKTON SCENIC RESERVE</b>	<b>Grid reference: U22/905325</b>  <b>Area (ha): 16.4</b>  <b>Ecological District: Heretaunga</b>																																																																																																																			
<b>Protective status/designation: Scenic Reserve</b>	<b>Managing agency: DOC</b>																																																																																																																			
<b>Observer(s): Geoff Walls, Sue Scheele, Finn Scheele</b> <b>Route taken: Track system</b> <b>Photos taken: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</b>	<b>Date: 20/12/98</b>  <b>Time spent: 1½ hours</b>																																																																																																																			
<b>Significant fauna site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</b> <b>Significant flora site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</b>  <b>Landform: Gentle valley floor with incised stream, alluvial terraces and steep scarps</b>  <b>Altitude, Aspect: 280-330m asl; SE aspect</b>  <b>Soil/rock type: Greywacke gravels</b>  <b>Drainage: A large stream meanders through the heart of the reserve</b>  <b>Erosion: Little</b>  <b>Other notes:</b>																																																																																																																				
<b>ECOSYSTEM/HABITAT</b>																																																																																																																				
	<table border="0" style="width: 100%;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 15%; text-align: center;">Primary</th> <th style="width: 15%; text-align: center;">Secondary</th> <th style="width: 10%; text-align: center;">% area</th> <th style="width: 30%; text-align: left;">Notes</th> </tr> </thead> <tbody> <tr> <td>Beech forest</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;">40</td> <td></td> </tr> <tr> <td>Broadleaved forest</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;">20</td> <td></td> </tr> <tr> <td>Podocarp forest</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: 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Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>																																																																																																																		

<b>VEGETATION</b>					
<b>Canopy cover (%):</b> <input type="checkbox"/> 0-5 <input type="checkbox"/> 5-25 <input type="checkbox"/> 25-50 <input checked="" type="checkbox"/> 50-75 <input type="checkbox"/> 75-100					
<b>Canopy composition (underline dominant species):</b> Black beech, <u>Totara</u> , Kahikatea, Matai, Tawa, Radiata pine, Willows					
<b>Vegetation condition (health):</b>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>	<u>Comments</u>
Canopy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good in places, damaged elsewhere
Subcanopy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Understorey/Undergrowth	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ground cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes:					
<b>Vegetation trend:</b>	<u>Improving</u>	<u>Stable</u>	<u>Deteriorating</u>	<u>Don't know</u>	<u>Comments</u>
Canopy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Wind damage
Subcanopy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Understorey/Undergrowth	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ground cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes:					
<b>Regeneration:</b>	<u>None</u>	<u>A little</u>	<u>Moderate</u>	<u>Much</u>	<u>Main species/Comments</u>
Canopy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Subcanopy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Understorey/Undergrowth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Ground cover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Many ferns and seedlings
Epicormic shoots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Still being browsed
Notes:					
<b>Special plants (rare, threatened, local, distribution limits/anomalies, etc.):</b>					
<u>Species</u>	<u>No. (estimate)</u>	<u>Condition (as above)</u>	<u>Trend (as above)</u>	<u>Main threats/Comments</u>	
<i>Tupeia antarctica</i>	?	?	?	Present in 1989, needs survey	
Notes:					
<b>Threats, Impacts and Management urgency:</b>					
	<u>Minor</u>	<u>Major</u>	<u>Urgent</u>	<u>Not urgent</u>	<u>Comments</u>
Deer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Goat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pig	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Possum	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Keep on top of
Rabbit, Hare	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sheep	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cattle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rat, Mouse	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bait stations help
Vine weeds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OMB, Japanese honeysuckle
Shrub, Tree weeds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cotoneaster, Willows
Herb/Grass weeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Human visitor impacts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Survey/Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Tupeia antarctica</i>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Notes:					

RAPID ASSESSMENT FORM FOR ECOLOGICAL CONDITION AND TREND

<b>FAUNA</b>					
<b>Overall fauna:</b>					
	<u>Rel. abundance</u> <sup>1</sup>	<u>Condition</u> <sup>2</sup>	<u>Trend</u> <sup>3</sup>	<u>Main threats/Comments</u>	
Native birds	Mod	Fair	Stable	Predators, habitat deterioration	
Exotic birds	Many	Good	Stable		
Bats	?	?	?	Need survey	
Native reptiles	?	?	?	Need survey	
Native frogs					
Exotic frogs					
Native fish	?	?	?	Need survey	
Exotic fish					
Native land inverts	?	?	?	Need survey	
Exotic land inverts					
Native aquatic inverts	?	?	?	Need survey	
Exotic aquatic inverts					
Other (specify)					
<u>Notes:</u>					
<b>Special fauna (rare, threatened, local, distribution limits/anomalies, etc.):</b>					
<u>Species</u>	<u>No. (estimate)</u>	<u>Condition (as above)</u>	<u>Trend (as above)</u>	<u>Main threats/Comments</u>	
Kereru	10	Fair	Stable		
Long-tailed bat	?	?	?	Need survey	
Tui, Bellbird	50	Fair	Stable		
<u>Notes:</u>					
<b>Management needs:</b>					
	<u>Minor</u>	<u>Major</u>	<u>Urgent</u>	<u>Not urgent</u>	<u>Comments</u>
Deer control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Goat control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pig control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Possum control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Predators, competitors
Rabbit, Hare control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mustelid, Cat control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Needs addressing
Rat, Mouse control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bait stations help
Weed control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fencing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Needs checking/maintenance
Human visitor management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bats, reptiles, stream life
Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>Notes:</u>					

<sup>1</sup> None; Few; Moderate; Many

<sup>2</sup> Good (healthy, thriving); Fair (okay); Poor (depleted, struggling); Don't know

<sup>3</sup> Improving; Stable; Declining; Don't know (?)