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MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26-8-88

1. 1:10000 Map No.: 820 2:2

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: 

4. Owners Name: Irwin, J. Edmonos

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 50m - 100 metres

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: NO TO STEEP TO GRAZE.

9. Vegetation: Pasture Grazed

   Pasture Ungrazed

   ◆ Shrubland (up to 80% cover)

   Scrub (continuous cover)

   ◆ Cliff dwelling

   Podocarp dominated

   Tawa

   Kamahi

   Red Beech

   Black Beech

   Beech Hybrids

   Wattle

   Wetlands

   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy  good  medium  poor  absent
   (circle) Sub Canopy  good  medium  poor  absent
   Understorey  good  medium  poor  absent
   Ground Cover  good  medium  poor  absent

12. Length of strip covered by this sheet: 200 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: NIL 

16. Photograph taken: Yes/No  PHOTO 1/26

17. Observers Name: JR  JH  BH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26-8-88

1. 1:10000 Map No. S20 2.3 and 2.2

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: ____________________

4. Owners Name: W. Larson

5. Aspect (Circle one or more): NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10 - 50 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: NO TO STEEP TO GRAZE.

9. Vegetation: Pasture Grazed

   Pasture Ungrazed

   Shrubland (up to 80% cover)

   Scrub (continuous cover)

   Cliff dwelling

   Podocarp dominated

   Tawa

   Kamahi

   Red Beech

   Black Beech

   Beech Hybrids

   Wattle

   Wetlands

   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy  good  medium  poor  absent (circle) Sub Canopy  good  medium  poor  absent Understorey  good  medium  poor  absent Ground Cover  good  medium  poor  absent

12. Length of strip covered by this sheet: 600 METRES


14. Bird Species noted:

15. Types of Farm or Feral Animals present: NIL

16. Photograph taken: Yes/No PHOTO 1/27

17. Observers Name: JR JH BH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26-8-88
Sheet No: 73

1. 1: 10000 Map No. 220 2:2

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: 

4. Owners Name: Irwin

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 60 METRES PLUS

8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: NO, SOME GRAZING BUT VEGETATION IS WATTLE, IE., HEAVILY MODIFIED

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   x Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey: Yes/No
11. Condition: Canopy: good (circle) Sub Canopy: good Understorey: good Ground Cover: good
   medium medium medium
12. Length of strip covered by this sheet: 300 METRES
13. Adjoining Land Use (state): PASTURE?
14. Bird Species noted: SHEEP IN PAST
15. Types of Farm or Feral Animals present: NIL BUT POSSIBLY
16. Photograph taken: Yes/No PHOTO 1/28
17. Observers Name: JR JH BH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26-8-88  Sheet No: 74

1. 1:10000 Map No. S20 2.2

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: 

4. Owners Name: ISWIN.

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20 - 50 METRES

8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: MAYBE IN LONG TERM. FOR NOW FENCING NOT NEEDED BECAUSE NOT INTENSIVELY GRAZED

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent
   Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 200 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: NIL, BUT HAS BEEN GRAZED PROBABLY SHEEP

16. Photograph taken: Yes/No PHOTO 129

17. Observers Name: JR JH SH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26-8-88  Sheet No: 75

1.  1: 10000 Map No.  S20 2.3

2.  Stream Name:  MANGANUI O-TE AO

3.  Aerial Photo Number:  

4.  Owners Name:  Irwin

5.  Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6.  Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7.  Width of Strip (State Min/Max): 10-50 metres

8.  Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: No, too steep to graze over

9.  Vegetation:  Pasture Grazed
    Pasture Ungrazed
    Shrubland (up to 80% cover)
    Scrub (continuous cover)
    Cliff dwelling
    Podocarp dominated
    Tawa
    Kamahi
    Red Beech
    Black Beech
    Beech Hybrids
    Wattle
    Wetlands
    Other

10.  Canopy Species Represented in Understorey  Yes/No
11. Condition: Canopy | good | medium | poor | absent
   (circle) Sub Canopy | good | medium | poor | absent
   Understorey | good | medium | poor | absent
   Ground Cover | good | medium | poor | absent

12. Length of strip covered by this sheet: **250 METRES**

13. Adjoining Land Use (state): **GRAZING**

14. Bird Species noted: ________________________________

15. Types of Farm or Feral Animals present: **NIL**

16. Photograph taken: **Yes/No** PHOTO 1/30

17. Observers Name: **JR, VH, BH**
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26-8-88
Sheet No: 76

1. 1: 10000 Map No. S20 2.3

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: 

4. Owners Name: IRWIN

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10-60 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: NO, HEAVILY MODIFIED WITH WATTLE - NOT WORTH FENCING.

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: | Canopy | good | medium | poor | absent  
| Sub Canopy | good | medium | poor | absent  
| Understorey | good | medium | poor | absent  
| Ground Cover | good | medium | poor | absent  

12. Length of strip covered by this sheet: **200 METRES**

13. Adjoining Land Use (state): **PASTURE**

14. Bird Species noted:

15. Types of Farm or Feral Animals present: **SHEEP**

16. Photograph taken: **Yes/No** **PHOTO 31**

17. Observers Name: **JRM, BH**
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26-6-88
Sheet No: 7

1. 1:10000 Map No. S20 2.3

2. Stream Name: Manganui O Te Ao

3. Aerial Photo Number: ____________________

4. Owners Name: Larsson

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 40 - 160 metres

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: No - vegetation too steep for grazing

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids

10. Canopy Species Represented in Understorey Yes/No
11. **Condition:**
   - Canopy: good [circle] medium [ ] poor [ ] absent [ ]
   - Sub Canopy: good [medium] poor [ ] absent [ ]
   - Understorey: good [medium] poor [ ] absent [ ]
   - Ground Cover: good [medium] poor [ ] absent [ ]

12. **Length of strip covered by this sheet:** 300 m

13. **Adjoining Land Use (state):** pasture

14. **Bird Species noted:**

15. **Types of Farm or Feral Animals present:** nil

16. **Photograph taken:** Yes/No PHOTO 1/32

17. **Observers Name:** JR, JH, BH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26/8/88  Sheet No: 78

1. 1:10000 Map No.  S20 12.3

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: ______________________

4. Owners Name: ______________________________

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10 - 50 metres

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: To steep to practically

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   X Shrubland (up to 80% cover)
   Scrub (continuous cover)
   X Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent
               Sub Canopy good medium poor absent
               Understorey good medium poor absent
               Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 400 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: 

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26/4/88
Sheet No: 79

1. 1: 10000 Map No. [S20 2.3]

2. Stream Name: [Mangapua River]

3. Aerial Photo Number: _______________________

4. Owners Name: [Larson]

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 0 - 20 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: Not worthwhile to greatly
   MOISTENED VEGETATION

9. Vegetation: [Pasture Grazed]
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other [Poplars]

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent
   (circle) Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 200 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: SHEEP

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26/4/98  Sheet No: 80

1. 1: 10000 Map No. S20 / 2.3

2. Stream Name: MANGANUIOTEAO

3. Aerial Photo Number: 

4. Owners Name: 

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10 - 40 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: Removing Stock More Effective

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy (circle)  
   - good  
   - medium  
   - poor  
   - absent  
   Sub Canopy  
   - good  
   - medium  
   - poor  
   - absent  
   Understorey  
   - good  
   - medium  
   - poor  
   - absent  
   Ground Cover  
   - good  
   - medium  
   - poor  
   - absent  

12. Length of strip covered by this sheet: 300 metres

13. Adjoining Land Use (state): GRAZING

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: CATTLE, SHEEP

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 26/1/89

1. 1: 10000 Map No. S20 12.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: LARSON

5. Aspect (Circle one or more): N, NE, E, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10 - 30 metres

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: Too steep to m ake

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other - Paplars

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium absent
   Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 250 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: SHEEP

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27/8/88

1. 1:10000 Map No. 520 2.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: __________

4. Owners Name: LARSON, THOMPSON

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10 - 50 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: TO STEEP TO GRAZE

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good  medium  poor  absent  
   (circle) Sub Canopy  good  medium  poor  absent  
   Understorey  good  medium  poor  absent  
   Ground Cover  good  medium  poor  absent  

12. Length of strip covered by this sheet: 400 METRES 

13. Adjoining Land Use (state): PASTURE 

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: SHEEP 

16. Photograph taken: Yes/No  

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27/3/88  Sheet No: 83

1. 1:10000 Map No. S20 2.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: THOMPSON

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20-40 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: TO STEEP TO EFFECTIVELY GRAZE.

9. Vegetation: Pasture Grazed

Pasture Ungrazed

☒ Shrubland (up to 80% cover)

Scrub (continuous cover)

☒ Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

☒ Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy: good, medium, poor, absent
   (circle) Sub-Canopy: good, medium, poor, absent
   Understorey: good, medium, poor, absent
   Ground Cover: good, medium, poor, absent

12. Length of strip covered by this sheet: 550 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken: Yes/No

17. Observers Name: J. Rich J. Healy
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27/3/98  Sheet No: 84

1. 1:10000 Map No.  S 20 2.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name:  J. Larson

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max):  20-100 METRES.

8. Fencing (Circle): good moderate poor absent  
Fencing needed? If not, why not: A FENCE NEEDED ALONGSIDE A JOINING ROAD.

9. Vegetation:  Pasture Grazed

Pasture Ungrazed

Shrubland (up to 80% cover)

• Scrub (continuous cover)

• Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey  Yes/No
11. Condition: Canopy [good] medium poor absent
   (circle) Sub Canopy [good] medium poor absent
   Understorey [good] medium poor absent
   Ground Cover [good] medium poor absent

12. Length of strip covered by this sheet: 450 METRES.

13. Adjoining Land Use (state): ROAD, EXTENSIVE PASTURE.

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: SHEEP, BUT IN VERY SMALL NUMBERS - NOT GREATLY AFFECTING UNDERGROWTH

16. Photograph taken: Yes/No

17. Observers Name: RICH, HEAPY
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27/3/88

1. 1: 10000 Map No. S20 B2-3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: THOMPSON

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20 - 70 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: EASIER AND CHEAPER TO DRIVE OUT ANY REMAINING STOCK

9. Vegetation: Pasture Grazed

Pasture Ungrazed

Shrubland (up to 80% cover)

Scrub (continuous cover)

Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent
    Sub Canopy (good) medium poor absent
    Understorey good medium poor absent
    Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 450 METRES

13. Adjoining Land Use (state): VERY EXTENSIVE SHEEP FARM, DEVELOPED REWORTH

14. Bird Species noted: __________________________

15. Types of Farm or Feral Animals present: PREVIOUSLY SHEEP __________________________

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-88

Sheet No: 86

1. 1: 100000 Map No. S20 2.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: __________

4. Owners Name: THOMPSON

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20-40 METRES.

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: TO STEEP TO EFFECTIVELY GRAZE

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good [medium] poor absent
   (circle) Sub Canopy good [medium] poor absent
   Understorey good [medium] poor absent
   Ground Cover good [medium] poor absent

12. Length of strip covered by this sheet: 200 METRES

13. Adjoining Land Use (state): Extensive Pasture

14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken: Yes/No

17. Observers Name: Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-9-88
Sheet No: 87

1. 1:10000 Map No.: S20 2.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: LARSON

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20-70 METRES

8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: EASIER AND CHEAPER TO DRIVE OUT ANY REMAINING STOCK

9. Vegetation: Pasture Grazed
Pasture Ungrazed
Shrubland (up to 80% cover)
Scrub (continuous cover)
Cliff dwelling
Podocarp dominated
Tawa
Kamahi
Red Beech
Black Beech
Beech Hybrids
Wattle
Wetlands
Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent (circle) Sub Canopy good medium poor absent Understorey good medium poor absent Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 250 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: 

16. Photograph taken: Yes/No

17. Observers Name: Rich
1. 1: 100000 Map No. 520 2:3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: _______________________
4. Owners Name: THOMPSON
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 10-20 METRES
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: Yes - would encourage undergrowth - otherwise just drive out stock.
9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other
10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good [medium] poor absent
   (circle) Sub Canopy good [medium] poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 200 METRES

13. Adjoining Land Use (state): EXTENSIVE PASTURE

14. Bird Species noted: __________________________

15. Types of Farm or Feral Animals present: ________________________

16. Photograph taken: Yes/No

17. Observers Name: RICH ________________________
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27 - 8.88

1. 1:10000 Map No. S20 2.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ________________

4. Owners Name: ________________________

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20-60 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: VEGETATION IS CURRENTLY

NOT BROWSED.

9. Vegetation: Pasture Grazed

Pasture Ungrazed

Shrubland (up to 80% cover)

Scrub (continuous cover)

Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent (circle) Sub Canopy good medium poor absent
Understorey good medium poor absent
Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 250 METRES

13. Adjoining Land Use (state): EXTENSIVE PASTURE

14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken: Yes/No

17. Observers Name: Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-89
Sheet No: 90

1. 1:10000 Map No. S20 23

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: HAITANA (Te Rei Mana Tuatini)

5. Aspect (Circle one or more): N, NE, E, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20-120 METRES

8. Fencing (Circle): good moderate poor absent
    Fencing needed? If not, why not: TOO STEEP TO EFFECTIVELY GRAZE

9. Vegetation: Pasture Grazed
    Pasture Ungrazed
    Shrubland (up to 80% cover)
    Scrub (continuous cover)
    ✓ Cliff dwelling
    Podocarp dominated
    Tawa
    Kamahi
    Red Beech
    Black Beech
    Beech Hybrids
    Wattle
    Wetlands
    Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy  good  medium  poor  absent 
   (circle) Sub Canopy  good  medium  poor  absent 
   Understorey  good  medium  poor  absent 
   Ground Cover  good  medium  poor  absent 

12. Length of strip covered by this sheet: 500 METRES

13. Adjoining Land Use (state): SCRUB - VERY EXTENSIVE PASTURE

14. Bird Species noted: ____________________________

15. Types of Farm or Feral Animals present: ____________________________

16. Photograph taken: Yes/No

17. Observers Name: J. RICH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-88
Sheet No: 91

1. 1:10000 Map No. S20 2.3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: 
4. Owners Name: LARSON
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 0-30 metres
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: DRIVE OUT: REMAINING STOCK TO ENCOURAGE ANY SCRUB DEVELOPMENT, VERY AGERED.
9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other
10. Canopy Species Represented in Understorey: Yes/No: Yes
11. Condition: Canopy  good  medium  poor  absent  
               Sub Canopy  good  medium  poor  absent  
               Understorey good  medium  poor  absent  
               Ground Cover good  medium  poor  absent  

12. Length of strip covered by this sheet:  200 METRES  

13. Adjoining Land Use (state):  PASTURE  

14. Bird Species noted:  

15. Types of Farm or Feral Animals present:  SHEEP  

16. Photograph taken:  Yes/No  

17. Observers Name:  J. RICH  

Date: 27-8-88

1. 1:10000 Map No. S20 2.3

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: 

4. Owners Name: LARSON

5. Aspect (Circle one or more): NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 30-150 metres

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: Yes - completely close off around riparian boundary.

9. Vegetation: Pasture Grazed

Pasture Ungrazed

Shrubland (up to 80% cover)

Scrub (continuous cover)

Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition:
   Canopy: good medium poor absent
   (circle)
   Sub Canopy: good medium poor absent
   Understorey: good medium poor absent
   Ground Cover: good medium poor absent

12. Length of strip covered by this sheet: ___400 METRES____

13. Adjoining Land Use (state): ______PASTURE____

14. Bird Species noted: _________________________________

15. Types of Farm or Feral Animals present: _____SHEEP____

16. Photograph taken: Yes ☐ No ☐

17. Observers Name: ______J. RICH____

NO - RUBBISH TIP ON THIS RIPARIAN STRIP!
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-88
Sheet No: 93

1. 1:10000 Map No: 520 2.3

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: ______________________

4. Owners Name: LARSON

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 30-60 METRES

8. Fencing (Circle): Good moderate poor absent
   Fencing needed? If not, why not: NO - GOOD FENCING EXISTS

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy: good, medium, poor, absent (circle) Sub Canopy: good, medium, poor, absent Understorey: good, medium, poor, absent Ground Cover: good, medium, poor, absent

12. Length of strip covered by this sheet: 500 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-94  Sheet No: 94

1. 1:10000 Map No.  S20 2.3

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: __________________________

4. Owners Name: LARSON

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 30-100 METRES.

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: DRIVE OUT STOCK WOULD BE EASIER + CHEAPER THAN FENCING.

9. Vegetation: Pasture Grazed

Pasture Ungrazed

× Shrubland (up to 80% cover)

Scrub (continuous cover)

Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

× Black Beech

Beech Hybrids

D × Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy  
   Sub Canopy  
   Understorey  
   Ground Cover  
   (circle)

<table>
<thead>
<tr>
<th>Condition</th>
<th>Good</th>
<th>Medium</th>
<th>Poor</th>
<th>Absent</th>
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<tbody>
<tr>
<td>Canopy</td>
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<tr>
<td>Sub Canopy</td>
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<tr>
<td>Understorey</td>
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<tr>
<td>Ground Cover</td>
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</tbody>
</table>

12. Length of strip covered by this sheet: 450 METRES

13. Adjoining Land Use (state): PASTURE (EXTENSIVE)

14. Bird Species noted:

15. Types of Farm or Feral Animals present: SHEEP

16. Photograph taken: Yes/No  
   Yes

17. Observers Name: J. RICK
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-88
Sheet No: 95

1. 1:10000 Map No. S20 2.3 S20 1.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: __________________________

4. Owners Name: LARSON

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 60-120 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: **NOT PRACTICAL TO FENCE. TOO STEEP & RUGGED TO EFFECTIVELY GRAZE.**

9. Vegetation: Pasture Grazed
   - Pasture Ungrazed
   - Shrubland (up to 80% cover)
   - Scrub (continuous cover)
   - Cliff dwelling
   - Podocarp dominated
   - Tawa
   - Kamahi
   - Red Beech
   - Black Beech
   - Beech Hybrids
   - Wattle
   - Wetlands
   - Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent
    (circle) Sub Canopy good medium poor absent
    Understorey good medium poor absent
    Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 2100 METRES

13. Adjoining Land Use (state): REGENERATING BUSH NIL AGRICULTURAL USE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: 

16. Photograph taken: Yes
    
17. Observers Name: J. RICH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27/4/88
Sheet No: 96

1. 1: 10000 Map No. S2013 S2023
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: 
4. Owners Name: LARSON
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 5m - 10 metres
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: RIPARIAN STRIP VERY MODIFIED

9. Vegetation:
   - Pasture Grazed
   - Pasture Ungrazed
   - Shrubland (up to 80% cover)
   - Scrub (continuous cover)
   - Cliff dwelling
   - Podocarp dominated
   - Tawa
   - Kamahi
   - Red Beech
   - Black Beech
   - Beech Hybrids
   - Wattle
   - Wetlands
   - Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy  good  medium  poor  absent  (circle)  
      Sub Canopy  good  medium  poor  absent  
      Understorey  good  medium  poor  absent  
      Ground Cover  good  medium  poor  absent  

12. Length of strip covered by this sheet:  450 METRES  

13. Adjoining Land Use (state):  PASTURE  

14. Bird Species noted:  

15. Types of Farm or Feral Animals present:  SHEEP  

16. Photograph taken:  Yes/No  

17. Observers Name:  J. RICH  

MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-88 
Sheet No: 97

1. 1:10000 Map No. $201.3$

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: __________________________

4. Owners Name: ________________

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10-70 METRES

8. Fencing (Circle): good moderate poor absent

   Fencing needed? If not, why not: FENCING OFF RIPARIAN STRIP WOULD ENCOURAGE ALREADY APPEARING UNDERGROWTH.

9. Vegetation:

   Pasture Grazed
   Pasture Ungrazed
   x Shrubland (up to 80% cover)
   Scrub (continuous cover)
   x Cliff dwelling
   x Podocarp dominated
   x Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good □ medium □ poor □ absent □
   (circle) Sub Canopy □ good □ medium □ poor □ absent □
   Understorey □ good □ medium □ poor □ absent □
   Ground Cover □ good □ medium □ poor □ absent □

12. Length of strip covered by this sheet: 400 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: ________________________________

15. Types of Farm or Feral Animals present: ________________________________

16. Photograph taken: Yes □ No □

17. Observers Name: J. RICH □ J. HEAPY
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-88  Sheet No: 98

1. 1: 100000 Map No. S20 1.3 S20 2.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ______________________

4. Owners Name: Larson

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 5-10 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: VERY MODIFIED AREA NOT WORTH

9. Vegetation: Pasture Grazed
Pasture Ungrazed
Shrubland (up to 80% cover)
Scrub (continuous cover)
Cliff dwelling
Podocarp dominated
Tawa
Kamahi
Red Beech
Black Beech
Beech Hybrids
Wattle
Wetlands
Other - Poplars

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy ☐ good ☐ medium ☐ poor ☐ absent
   Sub Canopy ☐ good ☐ medium ☐ poor ☐ absent
   Understorey ☐ good ☐ medium ☐ poor ☐ absent
   Ground Cover ☐ good ☐ medium ☐ poor ☐ absent

12. Length of strip covered by this sheet: 300 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken: Yes / No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-3-98

1. 1: 10000 Map No. S20 2.3 S20 1.3

2. Stream Name: MANGANUI RIVER

3. Aerial Photo Number: ________________

4. Owners Name: LARSON, SEARLE.

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 40-100 metres

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: Rather Fence off or remove stock to encourage undergrowth.

9. Vegetation: Pasture Grazed

   Pasture Ungrazed
   -x Shrubland (up to 80% cover)
   -x Scrub (continuous cover)
   -x Cliff dwelling

   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   x Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey

Yes/No
11. Condition: Canopy good medium poor absent (circle) Sub Canopy good medium poor absent Understorey good medium poor absent Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 750 METRES

13. Adjoining Land Use (state): PASTURE, ROAD

14. Bird Species noted: ____________________________

15. Types of Farm or Feral Animals present: ____________________________

16. Photograph taken: Yes/No

17. Observers Name: J. RICH
Date: 27-8-88
Sheet No: 100

1. 1: 10000 Map No. S202.3 S201.3.
2. Stream Name: MANGANUI OTEAO RIVER
3. Aerial Photo Number: 
4. Owners Name: LARSON
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 20 - 50 metres.
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: FENCING WOULD ENCOURAGE UNDERRAWTH

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good [medium] poor absent
   (circle) Sub Canopy good [medium] poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 300 METRES

13. Adjoining Land Use (state): EXTENSIVE PASTURE

14. Bird Species noted:

15. Types of Farm or Feral Animals present: SHEEP

16. Photograph taken: Yes/No
   Yes

17. Observers Name: J. RICH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27/3/88
Sheet No: 101

1. 1: 100000 Map No. S00 1:3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ______________________________

4. Owners Name: LARSON, O'NEAL

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20-60 METRES

8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: TO STEEP TO PRACTICALLY GRAZE

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   x Scrub (continuous cover)
   x Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition:  
- Canopy: good  
- Sub Canopy: good  
- Understorey: good  
- Ground Cover: good

12. Length of strip covered by this sheet: 2000 metres


14. Bird Species noted:  

15. Types of Farm or Feral Animals present:  

16. Photograph taken: Yes

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-8-88  Sheet No: 102

1. 1: 10000 Map No.  S8013

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ________________

4. Owners Name: Searle

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10 - 70 METERS

8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: CURRENTLY NOT BEING
STOCK DAMAGE

9. Vegetation:  Pasture Grazed
Pasture Ungrazed

x Shrubland (up to 80% cover)

Scrub (continuous cover)

x Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy  good  medium  poor  absent
    (circle) Sub Canopy  good  medium  poor  absent
    Understorey  good  medium  poor  absent
    Ground Cover  good  medium  poor  absent

12. Length of strip covered by this sheet: 900 METRES

13. Adjoining Land Use (state):  
    Pasture

14. Bird Species noted:  

15. Types of Farm or Feral Animals present:  

16. Photograph taken:  Yes/No  Yes

17. Observers Name:  J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27/9/88  Sheet No: 103

1. 1: 100000 Map No.  S01.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: Searle

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20-50 metres

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: VERY MODIFIED ALREADY.

9. Vegetation: Pasture Grazed

   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey: Yes/No
11. Condition: Canopy good medium poor absent (circle) Sub Canopy good medium poor absent Understorey good medium poor absent Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 250 metres

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: SHEEP

16. Photograph taken: Yes/No

Date: 27/3/88

1. 1:10000 Map No. S20 13

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: Searle, Prince

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20 - 120 METRES

8. Fencing (Circle): good moderate poor absent

   Fencing needed? If not, why not: Just remove stock - cheaper and more effective than fencing.

9. Vegetation: Pasture Grazed

   Pasture Ungrazed

   x Shrubland (up to 80% cover)

   Scrub (continuous cover)

   x Cliff dwelling

   Podocarp dominated

   Tawa

   Kamahi

   Red Beech

   Black Beech

   Beech Hybrids

   Wattle

   Wetlands

   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent
   (circle) Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 1250 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: GOATS

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
**MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET**

Date: **27-8-88**  
Sheet No: **105**

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<td>1.</td>
<td>1:10000 Map No.</td>
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<tr>
<td>2.</td>
<td>Stream Name:</td>
</tr>
<tr>
<td>3.</td>
<td>Aerial Photo Number:</td>
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<tr>
<td>4.</td>
<td>Owners Name:</td>
</tr>
<tr>
<td>5.</td>
<td>Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW</td>
</tr>
<tr>
<td>6.</td>
<td>Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+</td>
</tr>
<tr>
<td>7.</td>
<td>Width of Strip (State Min/Max):</td>
</tr>
<tr>
<td>8.</td>
<td>Fencing (Circle): good moderate poor absent</td>
</tr>
</tbody>
</table>
| 9. | Vegetation: Pasture Grazed  
Pasture Ungrazed  
Shrubland (up to 80% cover)  
*Scrub (continuous cover)  
Cliff dwelling  
*Podocarp dominated  
*Tawa  
Kamahi  
Red Beech  
Black Beech  
Beech Hybrids  
*Wattle  
Wetlands  
Other |   |
| 10. | Canopy Species Represented in Understorey | **Yes/No** |
11. Condition: Canopy good medium poor absent
   (circle) Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: ___________ 400 METRES ___________

13. Adjoining Land Use (state): ________ EXTENSIVE PASTURE ________

14. Bird Species noted: ____________________________

15. Types of Farm or Feral Animals present: ________ GOATS ________

16. Photograph taken: Yes/No ____________

17. Observers Name: ________ J. Rich ________
Date: 27/3/98

MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Sheet No: 100

1. 1: 10000 Map No. S20 1.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: PRINCE

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 0 - 20 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: VERY MODIFIED, INTENSIVE

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent (circle) Sub Canopy good medium poor absent Understorey good medium poor absent Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 200 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted:

15. Types of Farm or Feral Animals present: GOATS?

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-9-89

1. 1:10000 Map No. S20 1.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: OWEN

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 40 - 120 METRES

8. Fencing (Circle): good moderate poor

Fencing needed? If not, why not: NOT PRACTICAL FOR GRAZING.

9. Vegetation: Pasture Grazed

Pasture Ungrazed

* Shrubland (up to 80% cover)

* Scrub (continuous cover)

* Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good  medium  poor  absent
    (circle)  Sub Canopy  good  medium  poor  absent
    Understorey  good  medium  poor  absent

12. Length of strip covered by this sheet: 2000 METRES

13. Adjoining Land Use (state): VERY EXTENSIVE PASTURE

14. Bird Species noted: ________________________________

15. Types of Farm or Feral Animals present: GOATS ________________________________

16. Photograph taken: Yes  No

17. Observers Name:  J. RICH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 27-3-88  Sheet No: 108

1. 1:10000 Map No.  S20 1.3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: 
4. Owners Name: PRINCE, WINSTONES ROAD RES.
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 30-80 METRES
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: Drive out stock rather than fencing is more practical.
9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   ✔ Scrub (continuous cover)
   ✔ Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other
10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent (circle) Sub Canopy good medium poor absent Understorey good medium poor absent Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 1800 METRES

13. Adjoining Land Use (state): ROAD RESERVE, PASTURE

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: GOATS (plenty)

16. Photograph taken: Yes/No

17. Observers Name: RICH
1. 1:10000 Map No.  S20 1.3
2. Stream Name: MANGANUOTEAO RIVER
3. Aerial Photo Number: 
4. Owners Name: G. OwEN.
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 10 - 25 METRES
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: FENCING WOULD ENCOURAGE UNDERGROWTH.
9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other
10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy **good** (circle) Sub Canopy **medium** poor absent
   Understorey **good** medium poor absent
   Ground Cover **good** medium poor absent

12. Length of strip covered by this sheet: **250 METRES**

13. Adjoining Land Use (state): **PASTURE**

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: **SHEEP**

16. Photograph taken: [Yes/No]

17. Observers Name: **J. RICA JHEAPH Y**
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88
Sheet No: 110

1. 1:10000 Map No. S20 1.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ________________

4. Owners Name: Winstones

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, (20-30) 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10-30 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: Driving out any stock will encourage undergrowth

9. Vegetation: Pasture Grazed
Pasture Ungrazed
Shrubland (up to 80% cover)
Scrub (continuous cover)
Cliff dwelling
Podocarp dominated
Tawa
Kamahi
Red Beech
Black Beech
Beech Hybrids
Wattle
Wetlands
Other

10. Canopy Species Represented in Understorey Yes/No
11. **Condition:**

<table>
<thead>
<tr>
<th></th>
<th>good</th>
<th>medium</th>
<th>poor</th>
<th>absent</th>
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<tbody>
<tr>
<td>Canopy</td>
<td></td>
<td></td>
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<tr>
<td>Sub Canopy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Understorey</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ground Cover</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

12. **Length of strip covered by this sheet:** 800 METRES

13. **Adjoining Land Use (state):** EXTENSIVE PASTURE

14. **Bird Species noted:**

15. **Types of Farm or Feral Animals present:**

16. **Photograph taken:** Yes

17. **Observers Name:** J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88
Sheet No: 111

1. 1: 10000 Map No. S20 1.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: OWEN, WINSTONES

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 50m - > 20 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: NOT WORTHWHILE REMOVE

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   ✔️ Scrub (continuous cover)
   ✔️ Cliff dwelling
   Podocarp dominated
   ❌ Tawa
   ❌ Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   ❌ Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition:
- Canopy: good, medium, poor, absent
- Sub Canopy: good, medium, poor, absent
- Understorey: good, medium, poor, absent
- Ground Cover: good, medium, poor, absent

12. Length of strip covered by this sheet: 1500 METRES

13. Adjoining Land Use (state): REGENERATING BUSH

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: GOATS

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date:    31-8-88                          Sheet No:  112.

1. 1:10000 Map No.    S20 1.3

2. Stream Name:    MANGANUI O TE AO RIVER

3. Aerial Photo Number:    

4. Owners Name:    Wainstones

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 30-80 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not:   
NEEDED UP THE SIDES AND AROUND THE TOP

9. Vegetation: Pasture Grazed
Pasture Ungrazed

Shrubland (up to 80% cover)

Scrub (continuous cover)

Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey  Yes/No
11. Condition: Canopy good [circle] medium poor absent
   (circle) Sub Canopy good [circle] medium poor absent
   Understorey good [circle] medium poor absent
   Ground Cover good [circle] medium poor absent

12. Length of strip covered by this sheet: 200 METRES

13. Adjoining Land Use (state): PASTURE

14. Bird Species noted: ____________________________

15. Types of Farm or Feral Animals present: ____________________________

16. Photograph taken: Yes [X] No

17. Observers Name: J. Ruch
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31/8/89
Sheet No: 113

1. 1: 10000 Map No. S20 1.3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: ______________________
4. Owners Name: Winstons
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 10-30 metres
8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: DRIVING OUT STOCK WILL ENCOURAGE UNDERGROWTH

9. Vegetation: Pasture Grazed
Pasture Ungrazed
Shrubland (up to 80% cover)
Scrub (continuous cover)
Cliff dwelling
Podocarp dominated
Tawa
Kamahi
Red Beech
Black Beech
Beech Hybrids

D×Wattle
Wetlands
Other

10. Canopy Species Represented in Understorey Yes/No
11. **Condition:**

   - Canopy: good  medium  poor  absent
   - Sub Canopy: good  medium  poor  absent
   - Understorey: good  medium  poor  absent
   - Ground Cover: good  medium  poor  absent

12. **Length of strip covered by this sheet:** 300 metres

13. **Adjoining Land Use (state):** Extensive Pasture

14. **Bird Species noted:**

15. **Types of Farm or Feral Animals present:**

16. **Photograph taken:** Yes

17. **Observers Name:** J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31/9/88

1. 1:10000 Map No. S20 1.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ________________

4. Owners Name: WINSTONES

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 50-70 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: TO STEEP TO GRAZE

9. Vegetation: Pasture Grazed

- Pasture Ungrazed
- Shrubland (up to 80% cover)
- Scrub (continuous cover)
- Cliff dwelling
- Podocarp dominated
- Tawa
- Kamahi
- Red Beech
- Black Beech
- Beech Hybrids
- Wattle
- Wetlands
- Other

10. Canopy Species Represented in Understorey: Yes/No
11. Condition: Canopy good medium poor absent (circle) Sub Canopy good medium poor absent Understorey good medium poor absent Ground Cover good medium poor absent

12. Length of strip covered by this sheet: ___________________________

13. Adjoining Land Use (state): ____________________________

14. Bird Species noted: ____________________________

15. Types of Farm or Feral Animals present: ____________________________

16. Photograph taken: Yes/No

17. Observers Name: ____________________________
Date: 31/8/88  Sheet No: 115

1. 1:10000 Map No. S20 1:3

2. Stream Name: MANGAUNI O TE AO RIVER

3. Aerial Photo Number: __________

4. Owners Name: WINSTONES

5. Aspect (Circle one or more): N, NE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10-60 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: MORE PRACTICAL TO REMOVE

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   * Scrub (continuous cover)
   * Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent
   (circle) Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 300 metres

13. Adjoining Land Use (state): Extensive Pasture

14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-99
Sheet No: 116

1. 1: 10000 Map No. S20 1.3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: 
4. Owners Name: WINSTON
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 50-0 metres
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: Easier and cheaper to remove any remaining stock
9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   x Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   x Wattle
   Wetlands
   D x Other (WILLOW)
10. Canopy Species Represented in Understorey {Yes/No}
11. Condition: Canopy (circle) good
     Sub Canopy good
     Understorey good
     Ground Cover good
12. Length of strip covered by this sheet: 600 METRES
13. Adjoining Land Use (state): REGENERATING BUSH
14. Bird Species noted: 
15. Types of Farm or Feral Animals present: GOATS
16. Photograph taken: Yes/No
17. Observers Name: J. Rich
Date: 31/3/88

1. 1: 10000 Map No. S20 1:3

2. Stream Name: **MANGANUI TE AO RIVER**.

3. Aerial Photo Number: 

4. Owners Name: **WINSTONES**

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
   - [ ] N
   - [x] NE
   - [ ] E
   - [ ] SE
   - [ ] S
   - [ ] SW
   - [ ] W
   - [ ] NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
   - [x] 0-10
   - [ ] 10-20
   - [ ] 20-30
   - [ ] 30-40
   - [ ] 40-50
   - [ ] 50-60
   - [ ] 60+

7. Width of Strip (State Min/Max): 50-70 METRES

8. Fencing (Circle): good moderate poor absent
   - [ ] good
   - [ ] moderate
   - [x] poor
   - [ ] absent
   
   Fencing needed? If not, why not: **TO STEEP TO EFFECTIVELY GRAZ**

9. Vegetation: Pasture Grazed
   - Pasture Ungrazed
   - [x] Shrubland (up to 80% cover)
   - Scrub (continuous cover)
   - [x] Cliff dwelling
   - Podocarp dominated
   - Tawa
   - Kamahi
   - Red Beech
   - Black Beech
   - Beech Hybrids
   - Wattle
   - Wetlands
   - Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy  good  medium  poor  absent
   (circle) Sub Canopy  good  medium  poor  absent
   Understorey  good  medium  poor  absent
   Ground Cover  good  medium  poor  absent

12. Length of strip covered by this sheet:  500 METRES

13. Adjoining Land Use (state):  REGENERATING BUSH

14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken:  Yes  No

17. Observers Name:  J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-89

1. 1:10000 Map No. S20 1:3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: ______________________
4. Owners Name: WINEGARNEES
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 30 - 80 METRES
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: NOT PRACTICAL, EASIER TO DRIVE OUT STOCK.
9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   *Wattle
   Wetlands
   Other
10. Canopy Species Represented in Understorey (Yes/No)
11. Condition:  
- Canopy: good (circle)  
- Sub Canopy: good (circle)  
- Understorey: good (circle)  
- Ground Cover: good (circle)

12. Length of strip covered by this sheet: 250 METRES.


14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken: Yes/No
   - Yes

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-89

1. 1: 10000 Map No. S20 1:3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: WINESTONES

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 40-90 METRES

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: NOT PRACTICAL - EASIER TO DRIVE OUT ANY STOCK THERE

9. Vegetation: Pasture Grazed

   Pasture Ungrazed

   Shrubland (up to 80% cover)

   Scrub (continuous cover)

   Cliff dwelling

   Podocarp dominated

   Tawa

   Kamahi

   Red Beech

   Black Beech

   Beech Hybrids

   Wattle

   Wetlands

   Other

10. Canopy Species Represented in Understorey Yes/No
11. **Condition:**
   - Canopy: good, circle for **medium**
   - Sub Canopy: good, circle for **medium**
   - Understorey: good, circle for **medium**
   - Ground Cover: good, circle for **poor**

12. **Length of strip covered by this sheet:** 400 METRES

13. **Adjoining Land Use (state):** VERY EXTENSIVE PASTURE (REGEN) BUSH

14. **Bird Species noted:**

15. **Types of Farm or Feral Animals present:**

16. **Photograph taken:** Yes/No

17. **Observers Name:** J. RICH
## MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

### Date: 31/8/88
### Sheet No: 120

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1.</td>
<td>1: 10000 Map No.</td>
</tr>
<tr>
<td>2.</td>
<td>Stream Name:</td>
</tr>
<tr>
<td>3.</td>
<td>Aerial Photo Number:</td>
</tr>
<tr>
<td>4.</td>
<td>Owners Name:</td>
</tr>
<tr>
<td>5.</td>
<td>Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW</td>
</tr>
<tr>
<td>6.</td>
<td>Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+</td>
</tr>
<tr>
<td>7.</td>
<td>Width of Strip (State Min/Max):</td>
</tr>
<tr>
<td>8.</td>
<td>Fencing (Circle): good moderate poor absent</td>
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<tr>
<td></td>
<td>Fencing needed? If not, why not:</td>
</tr>
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</table>

### Vegetation:
- Pasture Grazed
- Pasture Ungrazed
- Shrubland (up to 80% cover)
- **x** Scrub (continuous cover)
- Cliff dwelling
- Podocarp dominated
- Tawa
- Kamahi
- Red Beech
- Black Beech
- Beech Hybrids
- **x** Wattle
- Wetlands
- Other

### Canopy Species Represented in Understorey
- Yes/No

12. Length of strip covered by this sheet:  350 METRES

13. Adjoining Land Use (state):  NIL USE - REGENERATING BUSH

14. Bird Species noted:  

15. Types of Farm or Feral Animals present:  GOATS

16. Photograph taken:  Yes/No

17. Observers Name:  J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88

1. 1: 100000 Map No. __________

2. Stream Name: __________

3. Aerial Photo Number: __________

4. Owners Name: __________

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 5-30 METRES

8. Fencing (Circle): good moderate poor absent

   Fencing needed? If not, why not: more practical to get rid of remaining stock.

9. Vegetation: Pasture Grazed

   Pasture Ungrazed

   Shrubland (up to 80% cover)

   Scrub (continuous cover)

   Cliff dwelling

   Podocarp dominated

   Tawa

   Kamahi

   Red Beech

   Black Beech

   Beech Hybrids

   Wattle

   Wetlands

   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition:
   Canopy: good, medium, poor, absent (circle)
   Sub Canopy: good, medium, poor, absent
   Understorey: good, medium, poor, absent
   Ground Cover: good, medium, poor, absent

12. Length of strip covered by this sheet: 300 METRES

13. Adjoining Land Use (state): Extensive Pasture (Regen) Bush

14. Bird Species noted: ________________________________

15. Types of Farm or Feral Animals present: ________________________________

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88  
Sheet No: 122

1. 1: 10000 Map No. S20 1.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ____________

4. Owners Name: Wark Jones Winiata

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 50m - 200m

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: EASIER TO DRIVE OUT ANY STEER PRESENT

9. Vegetation: Pasture Grazed  
   Pasture Ungrazed  
   Shrubland (up to 80% cover)  
   *Scrub (continuous cover)  
   vCliff dwelling  
   Podocarp dominated  
   Tawa  
   Kamahi  
   Red Beech  
   Black Beech  
   Beech Hybrids  
   Wattle  
   Wetlands  
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy  good  medium  poor  absent (circle) Sub Canopy  good  medium  poor  absent Understorey  good  medium  poor  absent Ground Cover  good  medium  poor  absent

12. Length of strip covered by this sheet:  2100 METRES

13. Adjoining Land Use (state):  REGENERATING BUSH  NIL USE

14. Bird Species noted:  

15. Types of Farm or Feral Animals present:  GOATS  

16. Photograph taken:  Yes/No

17. Observers Name:  J. R. W.
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-83
Sheet No: 123

1. 1:10000 Map No. S20 1.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ________________

4. Owners Name: WINSTONES

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 30 - 60 METRES

8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: NO STOCK (EXCEPT PERHAPS)

  (GOATS)

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   \ Scrub (continuous cover)
   \ Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy: good
   Sub Canopy: good
   Understorey: good
   Ground Cover: good

(circle) Canopy: good
(circle) Sub Canopy: good
(circle) Understorey: good
(circle) Ground Cover: good

12. Length of strip covered by this sheet: 100 METRES

13. Adjoining Land Use (state): No Use - only Reenan Bush

14. Bird Species noted:  

15. Types of Farm or Feral Animals present: GOATS

16. Photograph taken: Yes

17. Observers Name: J. RICH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88

1. 1: 10000 Map No.
   
2. Stream Name:

3. Aerial Photo Number:

4. Owners Name:

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): INFINITE

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: DRIVE OUT ANY REMAINING STOCK

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   ☑ Scrub (continuous cover)
   Cliff dwelling
   ☑ Podocarp dominated
   ☑ Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   ☑ Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy (circle) Sub Canopy Understorey Ground Cover  
<table>
<thead>
<tr>
<th>good</th>
<th>medium</th>
<th>poor</th>
<th>absent</th>
</tr>
</thead>
</table>

12. Length of strip covered by this sheet: 900 METRES

13. Adjoining Land Use (state): **NIL USE - REGENERATING BUSH**

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: **CATTLE**

16. Photograph taken: Yes/No

17. Observers Name: J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88

1. 1:10000 Map No. S20/1.3 R20/8.3

2. Stream Name: MANGANUI OTEAO RIVER

3. Aerial Photo Number: __________________________

4. Owners Name: Winstowns

5. Aspect (Circle one or more): (N, NE, E, SE, S, SW, W, NW)

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): INFINITE

8. Fencing (Circle): good moderate poor absent

Fencing needed? If not, why not: EASIER TO REMOVE REMAINING

9. Vegetation: Pasture Grazed

Pasture Ungrazed

Shrubland (up to 80% cover)

D x Scrub (continuous cover)

D x Cliff dwelling

Podocarp dominated

Tawa

Kamahi

Red Beech

Black Beech

Beech Hybrids

Wattle

Wetlands

Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy (circle) good medium poor absent
   Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 1300 metres

13. Adjoining Land Use (state): No use, Regenerating Bush

14. Bird Species noted: ____________________________

15. Types of Farm or Feral Animals present: GOATS

16. Photograph taken: Yes/No

17. Observers Name: J. Reid
Date: 31-8-88
Sheet No: 126

1. 1: 10000 Map No: R20 8.3 S20 1/3
2. Stream Name: MANGANUI O TE AO
3. Aerial Photo Number: ___________________
4. Owners Name: WINIATA
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): INFINITE
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: More effective to drive out stock

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good ☐ medium ☐ poor ☐ absent ☐
    Sub Canopy good ☐ medium ☐ poor ☐ absent ☐
    Understorey ☐ good ☐ medium ☐ poor ☐ absent ☐
    Ground Cover ☐ good ☐ medium ☐ poor ☐ absent ☐

12. Length of strip covered by this sheet: 300 METRES

13. Adjoining Land Use (state): REGENERATING BUSH

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: GOATS

16. Photograph taken: Yes ☐ No ☑

17. Observers Name: J. RICH

MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-68

Sheet No: 127

1. 1: 10000 Map No. R20 8.3

2. Stream Name: MANGANUI O TE AO

3. Aerial Photo Number: ______________

4. Owners Name: ______________

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): INFINITY

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: EASIER TO DRIVE OUT
   Any stock

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   ☑️ Scrub (continuous cover)
   ☑️ Cliff dwelling
   ☑️ Podocarp dominated
   ☑️ Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy (circle) good medium poor absent
    Sub Canopy good medium poor absent
    Understorey good medium poor absent
    Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 2000 METRES

13. Adjoining Land Use (state): REGEN, BUSH, NIL USE.

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: GOATS.

16. Photograph taken: Yes/No

17. Observers Name: O. R. H.
1. 1: 10000 Map No. R20/8.3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: 
4. Owners Name: 
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 30-80 metres
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: EASIER AND CHEAPER TO DRIVE OUT STOCK.
9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other
10. Canopy Species Represented in Understorey Yes/No
11. Condition:  Canopy  good  [□]  medium  [□]  poor  [□]  absent
               (circle) Sub Canopy  good  [□]  medium  [□]  poor  [□]  absent
               Understorey  good  [□]  medium  [□]  poor  [□]  absent
               Ground Cover  good  [□]  medium  [□]  poor  [□]  absent

12. Length of strip covered by this sheet:  150 METRES


14. Bird Species noted:  

15. Types of Farm or Feral Animals present:  

16. Photograph taken:  Yes/No  

17. Observers Name:  J. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88
Sheet No: 129

1. 1: 10000 Map No. R20 / 8.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: 

4. Owners Name: 

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 

8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: To steep for grazing

9. Vegetation: Pasture Grazed
Pasture Ungrazed
Shrubland (up to 80% cover)
Scrub (continuous cover)
Cliff dwelling
Podocarp dominated
Tawa
Kamahi
Red Beech
Black Beech
Beech Hybrids
Wattle
Wetlands
Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy | good | medium | poor | absent
   Sub Canopy | good | medium | poor | absent
   Understorey | good | medium | poor | absent
   Ground Cover | good | medium | poor | absent

12. Length of strip covered by this sheet: 850 METRES

13. Adjoining Land Use (state): **Nil Use - Regenerating Bush**

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: 

16. Photograph taken: **Yes**

17. Observers Name: **J. Rich**
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-3-88
Sheet No: 130

1. 1:10000 Map No. R20 18.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ______________________

4. Owners Name: ______________________________

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 20-50 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: DRIVE OUT ANY REMAINING STOCK TO ENCOURAGE REGROWTH

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other BROOM, GORSE, POPLAR

10. Canopy Species Represented in Understorey Yes/No
11. **Condition:**

<table>
<thead>
<tr>
<th></th>
<th>Good</th>
<th>Medium</th>
<th>Poor</th>
<th>Absent</th>
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<tbody>
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<td>Canopy</td>
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<td></td>
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<td>Sub Canopy</td>
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<td>Understorey</td>
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</tr>
<tr>
<td>Ground Cover</td>
<td></td>
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</tr>
</tbody>
</table>

12. **Length of strip covered by this sheet:** 150 METRES

13. **Adjoining Land Use (state):** No use - Regenerating bush

14. **Bird Species noted:**

15. **Types of Farm or Feral Animals present:**

16. **Photograph taken:** Yes/No

17. **Observers Name:** D. Rich
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-3-88

1. 1: 10000 Map No. R20 18.3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: ________________
4. Owners Name: ______________________
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): ________________
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: TO STEEP FOR ANY FORM OF GRAZING
9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other
10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy good medium poor absent
   Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 800 METRES

13. Adjoining Land Use (state): REGENERATING BUSH - NIL USE.

14. Bird Species noted: 

15. Types of Farm or Feral Animals present: 

16. Photograph taken: Yes/No

17. Observers Name: J. RICH
Date: 31-8-88

1. 1: 10000 Map No. R20 18-3
2. Stream Name: MANGANUI O TE AO River
3. Aerial Photo Number: 
4. Owners Name: ?
5. Aspect (Circle one or more): N, NE, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): 50-100 METRES
8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: EASIER TO DRIVE OUT ANY STOCK.

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   D x Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   x Wattle
   Wetlands
   x Other willow, poplar

10. Canopy Species Represented in Understorey Yes/No
11. Condition:
   Canopy: good, medium, poor, absent
   (circle) Sub Canopy: good, medium, poor, absent
   Understorey: good, medium, poor, absent
   Ground Cover: good, medium, poor, absent

12. Length of strip covered by this sheet: 300 METRES

13. Adjoining Land Use (state): NATIONAL PARK.

14. Bird Species noted: ____________________________

15. Types of Farm or Feral Animals present: GOATS.

16. Photograph taken: Yes/No

17. Observers Name: J. RICH
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88
Sheet No: 133

1. 1: 100000 Map No. R20 43.3

2. Stream Name: MANGANUI O TE AO RIVER

3. Aerial Photo Number: ______________________

4. Owners Name: ______________________

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): 10-30 METRES

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: NO - DRIVING OUT ANY STOCK
   WOULD BE EASIER.

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other KARAKA, POPLAR

10. Canopy Species Represented in Understorey Yes/No
11. **Condition:**
   - Canopy: good, medium, poor, absent (circle)
   - Sub Canopy: good, medium, poor, absent
   - Understorey: good, medium, poor, absent
   - Ground Cover: good, medium, poor, absent

12. **Length of strip covered by this sheet:** 100 Metres

13. **Adjoining Land Use (state):** All use - Bush.

14. **Bird Species noted:**

15. **Types of Farm or Feral Animals present:**

16. **Photograph taken:** Yes

17. **Observers Name:** J. Rich
MANGANUI 0 TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88

1. 1:10000 Map No. R20 18.3

2. Stream Name: MANGANUI OTAO RIVER

3. Aerial Photo Number: _____________________

4. Owners Name: WHANAU/MAU NATIONAL PARK

5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW

6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+

7. Width of Strip (State Min/Max): ____________

8. Fencing (Circle): good moderate poor absent
   Fencing needed? If not, why not: No stock (except goats)

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other

10. Canopy Species Represented in Understorey Yes/No
11. Condition:  
- Canopy (circle) good medium poor absent
- Sub Canopy good medium poor absent
- Understorey good medium poor absent
- Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 1400 METRES

13. Adjoining Land Use (state): NATIONAL PARK

14. Bird Species noted:

15. Types of Farm or Feral Animals present:

16. Photograph taken: Yes/No

17. Observers Name: J. Rich J. Heaphy
MANGANUI O TE AO RIVER RIPARIAN STRIP SURVEY SHEET

Date: 31-8-88

Sheet No: 135

1. 1: 10000 Map No. R20 18.3
2. Stream Name: MANGANUI O TE AO RIVER
3. Aerial Photo Number: 
4. Owners Name: 
5. Aspect (Circle one or more): N, NE, E, SE, S, SW, W, NW
6. Slope (Circle one or more): 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60+
7. Width of Strip (State Min/Max): Infinite
8. Fencing (Circle): good moderate poor absent
Fencing needed? If not, why not: TO STEEP TO GRAZE. No

9. Vegetation: Pasture Grazed
   Pasture Ungrazed
   Shrubland (up to 80% cover)
   Scrub (continuous cover)
   Cliff dwelling
   Podocarp dominated
   Tawa
   Kamahi
   Red Beech
   Black Beech
   Beech Hybrids
   Wattle
   Wetlands
   Other willow

10. Canopy Species Represented in Understorey Yes/No
11. Condition: Canopy (circle) good medium poor absent
   Sub Canopy good medium poor absent
   Understorey good medium poor absent
   Ground Cover good medium poor absent

12. Length of strip covered by this sheet: 400 METRES

13. Adjoining Land Use (state):  

14. Bird Species noted:  

15. Types of Farm or Feral Animals present:  

16. Photograph taken: Yes/No

17. Observers Name: J. Rush