

Glen Eyrie

File: GED\_DOFF\_1200 cows\_animal weight\_ HD.ovp

## Parameter report

| Parameter name  | Units             | Value                           |
|---|-------------------|---------------------------------|
| Region  |                   | High Country (> 300 m)          |
| No Fuel, electricity and other farm inputs            |                   |                                 |
| No Farm capital (structure) inputs                    |                   |                                 |
| <b>Block setup summary</b>                            |                   |                                 |
| <b>Block name</b>                                     | <b>Block type</b> | <b>Effective area (ha)</b>      |
| Irrigated   | Pastoral          | 460                             |
| Total farm area declared as blocks                    | ha                | 460                             |
| Total farm area                                       | ha                | 2135                            |
| Non-productive area                                   | ha                | 1675                            |
| Relative productivity assessment method               |                   | Grazing days                    |
| Make all block stock ratios same as farm stock ratios |                   | False                           |
| <b>Stock Information: Dairy animals</b>               |                   |                                 |
| Dairy cows  | /yr               | 1200                            |
| Replacements grazed off farm from                     |                   | Weaning                         |
| Breed   |                   | Friesian                        |
| <b>Advanced dairy production</b>                      |                   |                                 |
| Milksolid yield                                       | kg/yr             | 480000                          |
| Lactation length                                      | days              | Unknown                         |
| Average weight  | kg/animal         | 525                             |
| % replacements in milking herd                        |                   | Unknown                         |
| <b>Default calving times used</b>                     |                   |                                 |
| Effluent disposal system                              |                   | Holding pond                    |
| <b>Ponding system</b>                                 |                   |                                 |
| Pond treatment methods                                |                   | Spray regularly                 |
| Pond sludge disposal method                           |                   | Spread over farm                |
| Once a day milking                                    |                   | Never                           |
| <b>Grazing off options for milking cows animals</b>   |                   |                                 |
| Month   |                   | Percent of milking cows animals |
| January   |                   | .                               |
| February  |                   | .                               |
| March   |                   | .                               |
| April   |                   | .                               |
| May   |                   | 50                              |
| June  |                   | 100                             |
| July  |                   | 100                             |
| August  |                   | 50                              |
| September   |                   | .                               |
| October   |                   | .                               |
| November  |                   | .                               |
| December  |                   | .                               |
| Grazed out most of farm prior to removal of animals   |                   | False                           |

Dairy feed pad option not used  
 Dairy wintering pad/animal shelter option not used  
 Dairy Winter stand off or loafing pads option not used  
 Advanced pasture and supplements options for Dairy not used

**Animal health supplementation used by Dairy animals**

No animal supplementation has been entered

DCD is not applied

**Wetlands**

Wetland 1

|                        |    |                      |
|------------------------|----|----------------------|
| Effective wetland area | ha | 200                  |
| Condition              |    | Class 1              |
| Catchment area         | ha | 500                  |
| Catchment convergence  |    | Moderate convergence |
| Wetland type           |    | Type A               |
| Aquitard depth         |    | Unknown              |

Wetland 2

|                        |    |                      |
|------------------------|----|----------------------|
| Effective wetland area | ha | 50                   |
| Condition              |    | Class 1              |
| Catchment area         | ha | 200                  |
| Catchment convergence  |    | Moderate convergence |
| Wetland type           |    | Type A               |
| Aquitard depth         |    | Unknown              |

No supplements added

**Block Information**

| Parameter name   | Units | Value          |
|--|-------|----------------|
| Block name   |       | Irrigated      |
| Area   | ha    | 460            |
| Block type   |       | Pastoral       |
| Topography   |       | Rolling        |
| Distance from coast  | km    | 90             |
| Profile drainage class   |       | Well           |
| Poorly drained   |       | False          |
| Mole/tile drained  |       | False          |
| Spray effluent   |       | True           |
| Effluent application depth   |       | < 12 mm        |
| <b>Receives effluent from a wintering pad/animal shelter treatment</b> |       |                |
| <b>Receives pond sludge from a wintering pad/animalshelter treatme</b> |       |                |
| Irrigation   | mm    | 600            |
| <b>Irrigation</b>  |       |                |
| Border dyke  |       | False          |
| Water source isborderdyke outwash                                      |       | False          |
| <b>Irrigation nutrient concentrations for block</b>                    |       |                |
| Irrigation Source  |       | Block specific |

## Block Information

| Parameter name   | Units    | Value     |
|------------------|----------|-----------|
| Irrigation Units |          | mg/l      |
| <b>N</b>         | <b>P</b> | <b>K</b>  |
| 0.5              | 0.1      | 0.8       |
|                  | <b>S</b> | <b>Ca</b> |
|                  | 1.3      | 4.7       |
|                  |          | <b>Mg</b> |
|                  |          | 1.1       |
|                  |          | <b>Na</b> |
|                  |          | 4.3       |

### Riparian strips

|  |       |                            |
|--|-------|----------------------------|
| Catchment area supplying grass filterstrip                       | ha    | 750                        |
| Length of riparian strip   | m     | 9750                       |
| Width of grass filterstrip (downlength slope)                    | m     | 5                          |
| Percentage of surface flow that drains through grass filterstrip | %     | 85                         |
| Percentage of runoff that is intercepted by grass filterstrip    | %     | 85                         |
| Percentage of length of grass filterstrip that ponds water       | %     | 85                         |
| Age of grass filterstrip   | years | 5                          |
| Entry condition  |       | Bottom of hill, flat entry |

### Climate

|   |    |          |
|---|----|----------|
| Mean annual rainfall                      | mm | 700      |
| Mean annual temperature                   | °C | 9.1      |
| Seasonal variation in rainfall            |    | Moderate |
| Annual potential evapotranspiration (PET) |    | 801-950  |
| Seasonal variation in PET                 |    | Unknown  |
| Hydrophobic condition                     |    | Unknown  |

### Animals and Pasture

|   |  |                         |
|---|--|-------------------------|
| Ratio and type of stock based on whole farm values<br>because there is only one block |  |                         |
| Dairy or beef animals have direct access to streams                                   |  | False                   |
| Development status (organic nutrients)  |  | Highly developed        |
| Pasture type  |  | Ryegrass / white clover |

### Soil information

|                              |  |             |
|------------------------------|--|-------------|
| Soil type                    |  | OHAU        |
| Soil order (default)         |  | Brown       |
| Soil group (default)         |  | Sedimentary |
| Sand parent material         |  | False       |
| Soil texture                 |  | Silt loam   |
| Soil profile                 |  | Shallow     |
| Olsen P                      |  | 22          |
| QT K                         |  | 6.5         |
| QT Ca                        |  | 5           |
| QT Mg                        |  | 9           |
| QT Na                        |  | 8           |
| Organic S                    |  | 17          |
| TBK reserve K test           |  | Not known   |
| Anion storage capacity or PR |  | Not known   |

### Block Fertiliser

#### Fertiliser nutrient forms

| Urea | DAP | Other NH4 | NO3 Form |
|------|-----|-----------|----------|
| 130  | 0   | 0         | 0        |

## Block Information

| Parameter name | Units             |                    |              |           | Value     |  |
|----------------|-------------------|--------------------|--------------|-----------|-----------|--|
| <b>Super</b>   | <b>DAP / DCP</b>  | <b>RPR</b>         | <b>Other</b> |           |           |  |
| 27             | 0                 | 0                  | 0            |           |           |  |
| <b>K</b>       | <b>Sulphate S</b> | <b>Elemental S</b> | <b>Ca</b>    | <b>Mg</b> | <b>Na</b> |  |
| 0              | 10                | 0                  | 0            | 0         | 0         |  |

No N added in May, June and July

No soluble P applied in high risk months

Fertiliser P applied within 3 weeks of border dyke irrigation

False

### Supplements removed

| Type   | Amount T/ha | Amount on dry weight basis | Destination | Block fed on  |
|--------|-------------|----------------------------|-------------|---------------|
| Silage | 2.1         | True                       | Paddocks    | On all blocks |

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