

OTAGO REGIONAL COUNCIL

OTAGO COASTAL SURVEY (Areas 01, 08, 09, 11, 12)

VOLUME 210058904NOB

Summary

Project

The objective of this project is to obtain Digital Elevation data over large areas of the Otago Coast for the purpose of flood management and regional planning. Aerial data capture for this project occurred between September 06th - 11th 2004, with all data capture undertaken three hours either side of low tide.

Data

This volume relates to the areas defined as;

- 01 Otago Coast
- 08 Dunedin South 28 km²
- 09 Toko Mouth 10 km²
- 11 Pounawea 17 km²
- 12 Papatowai 6 km²

The data within this volume consists of;

- Thinned ground strikes
- Non-ground strikes
- First pulse strikes
- Contours
- Intensity imagery

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1. PROJECT REPORT

Acquisition: Airborne Laser Scanning (ALS) data was acquired from a fixed wing aircraft between September 06th - 11th 2004. No Delays were encountered in acquiring data over the project area.

Ground Support: GPS base station support was provided by Connell Wagner without incident. The ground check points acquired by Connell Wagner allowed an assessment of the accuracy of the ALS data.

Data Processing: Reduction of the ALS data proceeded without any significant problems. Laser strikes were classified into ground and non-ground points using a single algorithm across the project area. Manual checking and editing of the data classification further improved the quality of the terrain model.

Further Processing: Intensity imagery has been supplied in Tiff format in 1m pixels. Contours have been derived from thinned ALS data. Cartographic licence has been applied to “clean” the contours and remove small isolated noise without detracting from the truth. Contours along the water edge on the coastline may appear broken in areas where the tidal water level has changed during scanning. Contours along the cliff faces of coastline may appear jagged and angular in appearance. In most cases this is a function of the laser point spacing. A balance between visual appearance and truthful representation was adopted to achieve the end product.

Data Presentation: The data provided on this volume has been supplied in accordance with a specification agreed with the primary client. Subsequent users experiencing difficulties in handling the data should please contact AAMHatch to arrange a more appropriate data presentation

Geoid Model: Connell Wagner completed the Evaluation of the National Geoid Model. AAMHatch has reviewed the report and confirm that Connell Wagner have performed a comprehensive review of the available spatial data. Adopting their recommendation will provide ORC with a dataset which matches the available primary height marks throughout the project area. The ALS data within this volume has been adjusted to the local geoid model created from reliable ellipsoid/orthometric height pairs supplied by Connell Wagner. In addition to this, AAMHatch has extended Connell Wagner’s geoid model by deriving N values from orthometric heights identified in test point locations by comparing the supplied orthometric height and ALS ellipsoidal height to achieve a geoid separation value. This derived N value was used to assist the extrapolation of the geoid model in areas where no reliable marks were available. For more information on the Geoid model refer to the “**GPS and Geoid Report for the Otago Coastal Survey Contract A114CS**” released by Connell Wagner dated 16th December 2004.

A copy of the geoid model is supplied in DXF format.

Accuracy (Vertical / Horizontal): The ALS dataset has been assembled and compared with 1400 field test points over 12 separate areas within or close to the associated area polygons defined by Otago Regional Council. These points were collected independently by Connell Wagner with the results provided below. The results show that the ALS data and field points agree to within 0.140m (rms); these differences include errors in the ALS, the field points and the geoid modeling.

Suitable field points were also provided by Connell Wagner to access the horizontal accuracy of the ALS data. This confirmed the data was within the system specifications and project specifications of $<0.55 \left(\frac{1}{2000} \text{ flying height} \right)$.

Notes On Expected Accuracy

- Values shown represent standard error (68% confidence level or 1 sigma), in metres
- Accuracy estimates for terrain modeling refer to the terrain definition on clear ground. Ground definition in vegetated terrain may contain localised areas with systematic errors or outliers which fall outside this accuracy estimate
- Laser strikes have been classified into “ground” and “non-ground”, based upon algorithms tailored for major terrain/vegetation combinations existing in the project area. The definition of the ground may be less accurate in isolated pockets of dissimilar terrain/vegetation combinations.

Comparisons of Assembled ALS Data with Field Test Points

| Ref Nos | Site | Count | Average | Std. Error | Std. Dev | Minimum dz | Maximum dz |
|------------------|-----------------|-------------|--------------|--------------|--------------|---------------|--------------|
| 2 | Oamaru | 107 | 0.161 | 0.168 | 0.049 | 0.037 | 0.270 |
| 3 | Kakanui | 124 | 0.155 | 0.165 | 0.057 | -0.081 | 0.294 |
| 4 | Moeraki | 123 | -0.157 | 0.171 | 0.067 | -0.481 | -0.004 |
| 5 | Karitane | 114 | -0.104 | 0.135 | 0.086 | -0.235 | 0.568 |
| 6 | Blueskin | 132 | 0.108 | 0.119 | 0.052 | -0.057 | 0.231 |
| 7 | DCC_Hardwood | 124 | -0.032 | 0.080 | 0.074 | -0.402 | 0.264 |
| 8 | DN_Sth_Brighton | 105 | -0.032 | 0.066 | 0.058 | -0.163 | 0.110 |
| 9 | Toko_Mouth | 124 | 0.119 | 0.204 | 0.166 | -0.323 | 0.357 |
| 10 | Balclutha | 97 | 0.019 | 0.046 | 0.042 | -0.078 | 0.098 |
| 10a | Kaka_Point | 116 | 0.123 | 0.151 | 0.088 | -0.084 | 0.320 |
| 11 | Pounawea | 130 | 0.114 | 0.127 | 0.057 | -0.056 | 0.228 |
| 12 | Papatowai | 104 | 0.127 | 0.144 | 0.070 | -0.271 | 0.279 |
| Total Pts | | 1400 | 0.051 | 0.140 | 0.131 | -0.481 | 0.568 |

Additional Notes

Oamaru Highest Average dz **0.161**
 Toko Mouth Highest Std Error **0.204**
 Kaka Point Highest Std Dev **0.166**

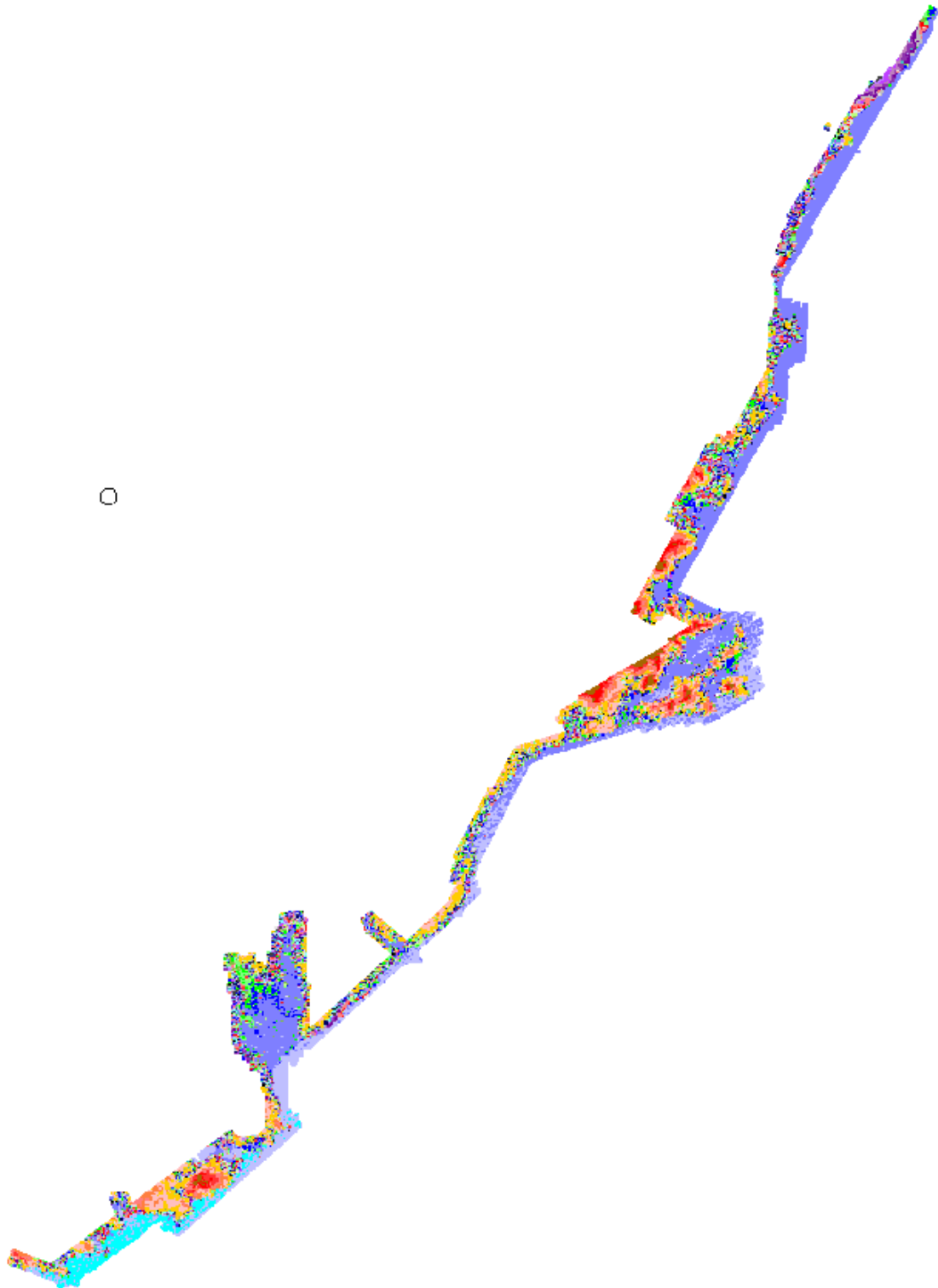
Balclutha Lowest Average dz **0.019**
 Balclutha Lowest Std Error **0.046**
 Balclutha Lowest Std Dev **0.042**

Reference Systems:

| | Horizontal | Vertical |
|------------------|-------------------|-----------------------------|
| Datum | NZGD 2000 | Dunedin Vertical Datum 1958 |
| Projection | NZTM | N/A |
| Reference Points | A36E | A36E |
| | 1442162.787 E | 15.681 RL |
| | 5007635.715 N | |
| | AFDM | AFDM |
| | 1420553.570 E | 28.690 RL |
| | 4954575.438 N | |
| | AG23 | AG23 |
| | 1395304.029 E | 51.002 RL |
| | 4914480.926 N | |
| | B3ME | B3ME |
| | 1349436.367 E | 12.768 RL |
| | 4874531.705 N | |
| | B08R | B08R |
| | 1319096.231 E | 73.09 RL |
| | 4844426.882 N | |

Airborne Laser Scanning Data Coverage:

Additional data was collected outside the areas of interest defined by Otago Regional Council. The diagram below shows the total coverage.



2. DATA INSTALLATION

Data format : Comma Separated ASCII, DXF, TIF&TFW
Type of media : 9 DVD+R and 1 CD ROM
Number of files on media : 2356 and 1 README.PDF
Data formatted on : 29.05.2005
Disk volume : 210058904NOB
AAMHatch Job Manager : Mr David Jonas
Mr Brett O'Hagan

README FILE

This document (README.PDF) is provided as an Acrobat file in this volume.

To open the file, double click on the PDF file to activate Acrobat Reader Software.

Adobe Acrobat Reader may be downloaded from:

<http://www.adobe.com/products/acrobat/readstep2.html>

FILE SIZES AND NAMES

Data is provided in tiles 2km by 2km to the following filenames convention:

eg. 14405002.grd 1440 - coordinate easting (in thousands) of south west tile corner
 5002 - coordinate northing (in thousands) of south west tile corner
 .grd - last pulse returns, classified as "ground"
 .non - last pulse returns, classified as "non-ground"
 .fst - first pulse returns
 dxf - contour data files
 tiff - intensity image files
 tfw - geo-reference coordinates for tif images

A list of the files contained on this volume is provided in Section 7.

SAMPLE LISTING

Comma separated ASCII in E, N, H, Intensity format.

1444170.570,5007999.370,0.620,24.0
1444172.020,5007998.350,0.430,20.0
1444161.910,5007999.580,1.710,14.0
1444164.790,5007997.520,0.840,16.0
1444167.320,5007994.270,0.240,25.0
1444163.560,5007993.920,0.460,34.0

TIFF

Tiff format is binary and cannot be listed

3. ADDITIONAL SERVICES

AAMHatch can perform the following additional services on the data contained on this volume if required:

| | |
|-----------------------------|---|
| Change horizontal datum | : to NZMG or other local grid |
| Alter geoid modeling | : by transforming ALS data to fit orthometric survey heights |
| Improve data classification | : by tailoring parameters to suit regional variations |
| Further classification | : Assist building identification by further classifying non-ground strikes |
| Data thinning | : to remove superfluous points not adding to the terrain definition |
| Data subset | : by dividing the data into different tiles or polygons |
| Data presentation | : by creating contours, profiles, perspectives, flythroughs, colour-coded height plots etc. |
| Ground truthing | : by comparing the ALS terrain model with extra independent height data |
| Data gridding | : to convert the measured spot heights into a regular grid |
| Extra data | : Extra data was collected beyond that supplied on this volume. |



4. METADATA

DATA CHARACTERISTICS

| Characteristic | Description |
|------------------------|---|
| Format | Comma Separated ASCII, DXF, TIF&TFW |
| Size | 27,949,781 data points (approximate) |
| Flying Height | 1100m (AGL) |
| Captured terrain model | 1.3m average point separation |
| Supplied terrain model | 1.7m estimated point density, separated into ground & non-ground |
| Data thinning | Points not contributing to the terrain definition within 0.10m removed |
| Data smoothing | Contour dataset smoothed to 0.10m tolerances |
| Contours | 0.5m interval |
| Laser return | Last and first pulse |
| Laser Intensity | Supplied on both first and last pulse returns |
| Laser footprint size | 0.220m |
| Data acquisition | 3 hours either side of low tide |
| Further details | Connell Wagner Geoid and Survey Report (SM981ALL01_Survey_Report.pdf) AAMHatch Progress Project Reports Volumes (210058901rpb to 210058913rpb) |

SOURCE DATA

| | Source | Description | Ref No | Date |
|-----------------|----------------|-------------|---------|------------------------------|
| Laser scanning | AAMHatch | 25,000 Hz | 2100589 | 06.08.02 |
| GPS base data | Connell Wagner | Static GPS | 2100589 | 16.12.97 |
| Base Stn coords | Connell Wagner | Static GPS | 2100589 | 16.12.97 |
| Test points | Connell Wagner | RTK GPS | 2100589 | 8 th and 17.12.04 |

LIMITATIONS OF DATA

- The definition of the ground under trees may be less accurate.
- Data classification has been manually checked and edited against any available imagery.

USE OF DATA

- Intended use: flood management and regional planning

5. CONDITIONS OF SUPPLY

The data in this volume has been commissioned by **OTAGO REGIONAL COUNCIL**.

- 5.1 “Intellectual Property” means all intellectual property rights to, and interests including copyright in, all concepts, designs, models, drawings, specifications, plans, studies, reports, software, systems and documents prepared or created by **AAMHatch** (or persons on behalf of **AAMHatch**) in carrying out the services.
- 5.2 Unless otherwise agreed and specified in the Special Conditions, and subject to clause 5.3, **AAMHatch** owns all Intellectual Property.
- 5.3 The ownership of data and factual information collected by **AAMHatch** and paid for by **Otago Regional Council** shall, after payment by **Otago Regional Council** lie with **Otago Regional Council**.
- 5.4 After payment has been made in accordance with this Agreement, **Otago Regional Council** may use or copy, without modification, any of the items referred to in clause 5.1, but only for the purposes set out in the Scope of Services.
- 5.5 **Otago Regional Council** owns and, where applicable, shall have copyright in, Confidential Information supplied to **AAMHatch**.

The data in this volume is provided by AAMHatch Pty Limited (AAMHatch) to **OTAGO REGIONAL COUNCIL**, in accord with documented provisions, and subject to the following conditions:

1. This file (README.PDF) is always stored with the unaltered data contained in this volume.
2. The data is not altered in any way without the approval of AAMHatch. The data may be copied from this file to another.
3. The data is not used for purposes beyond that explicitly agreed in the description of the Services provided by AAMHatch.

Any breach of these conditions will result in the immediate termination of the license issued by AAMHatch, and **Otago Regional Council** will indemnify AAMHatch from all resulting liabilities.

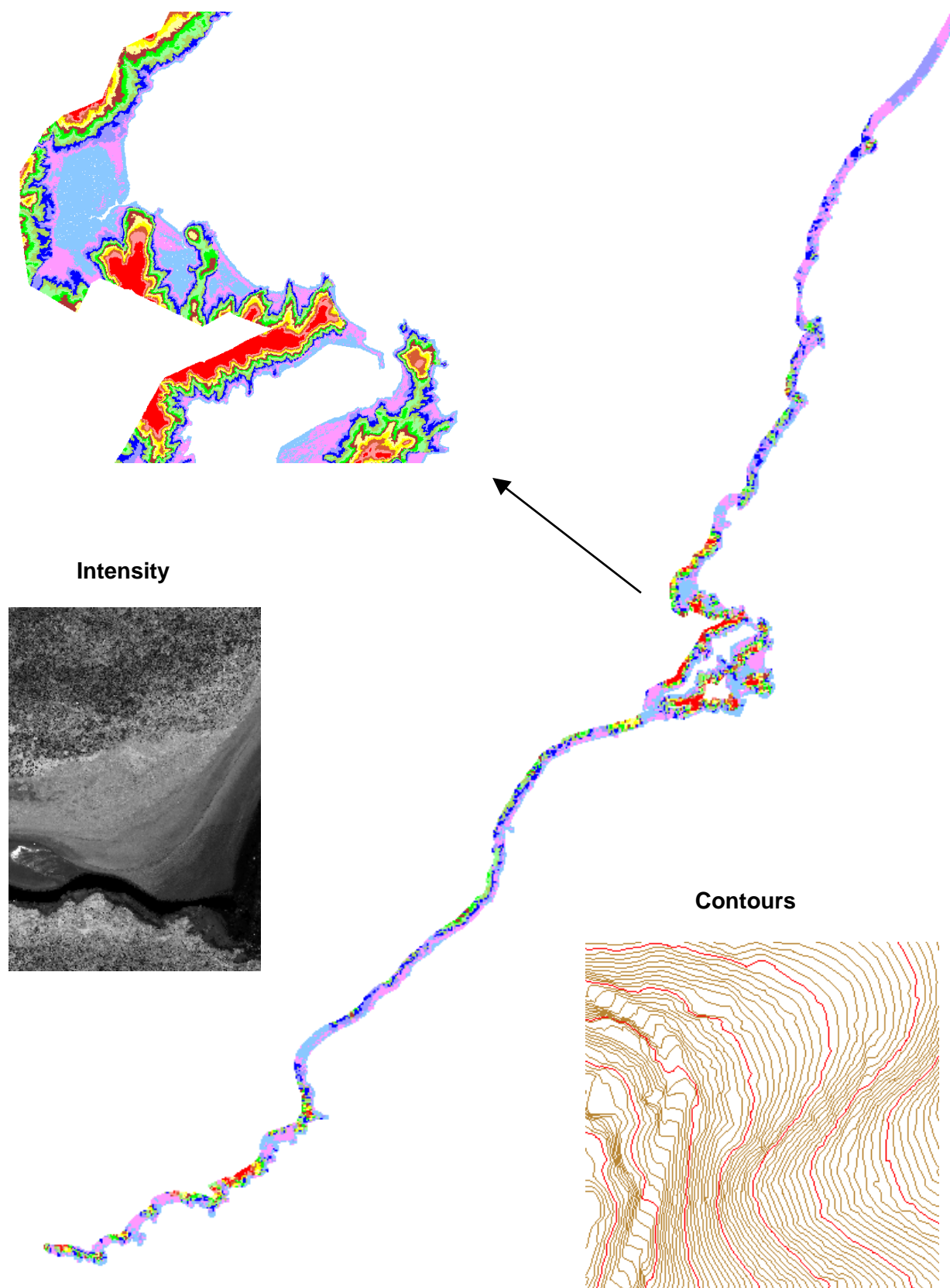
Any problems associated with the information in the data files contained in this volume should be reported to:

AAMHatch Pty Limited

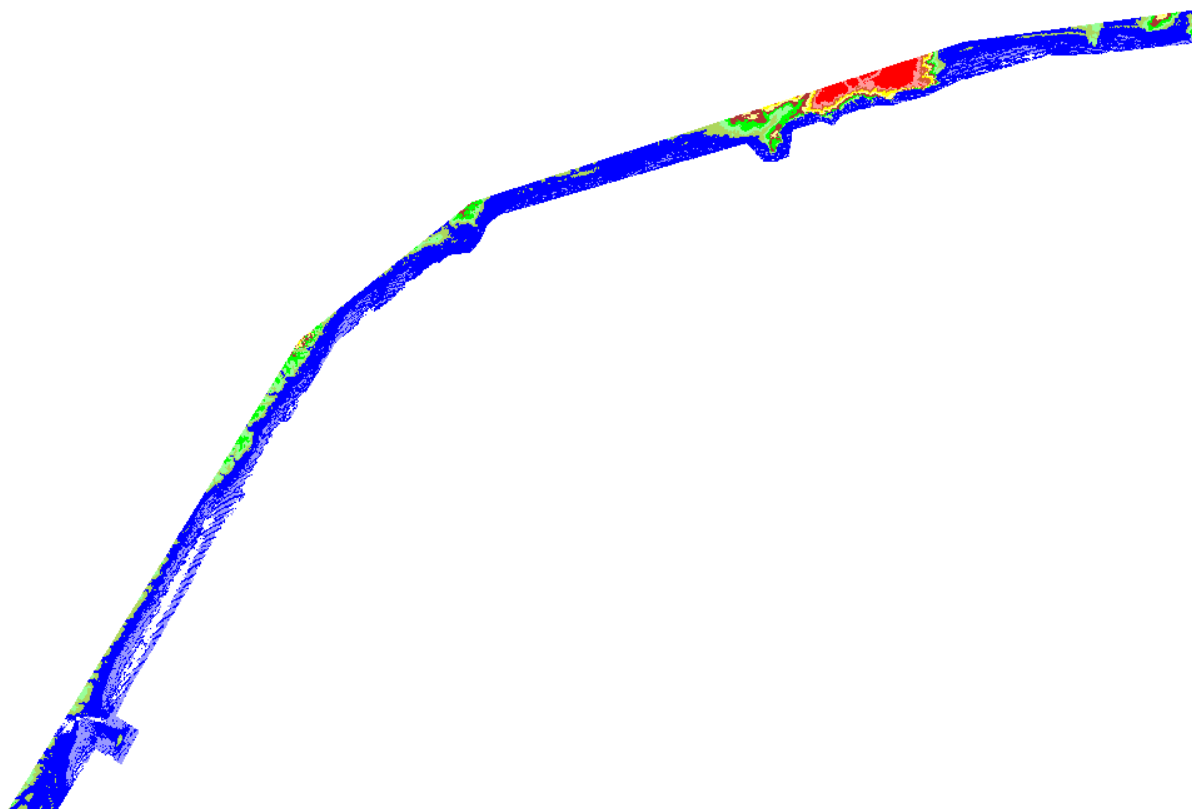
16 Julia St,
FORTITUDE VALLEY QLD 4006
Telephone (07) 3620 3111
Facsimile (07) 3620 3133
Email info@aamhatch.com.au
Web www.aamhatch.com.au

6. VALIDATION PLOTS

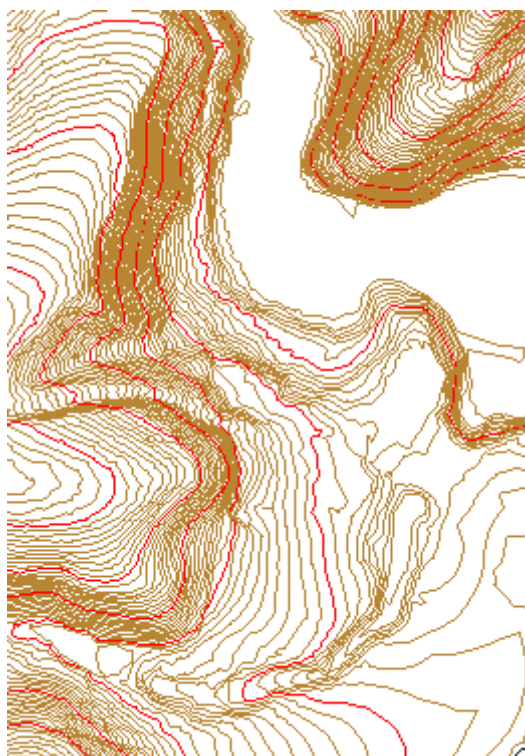
Coastline



Dunedin South



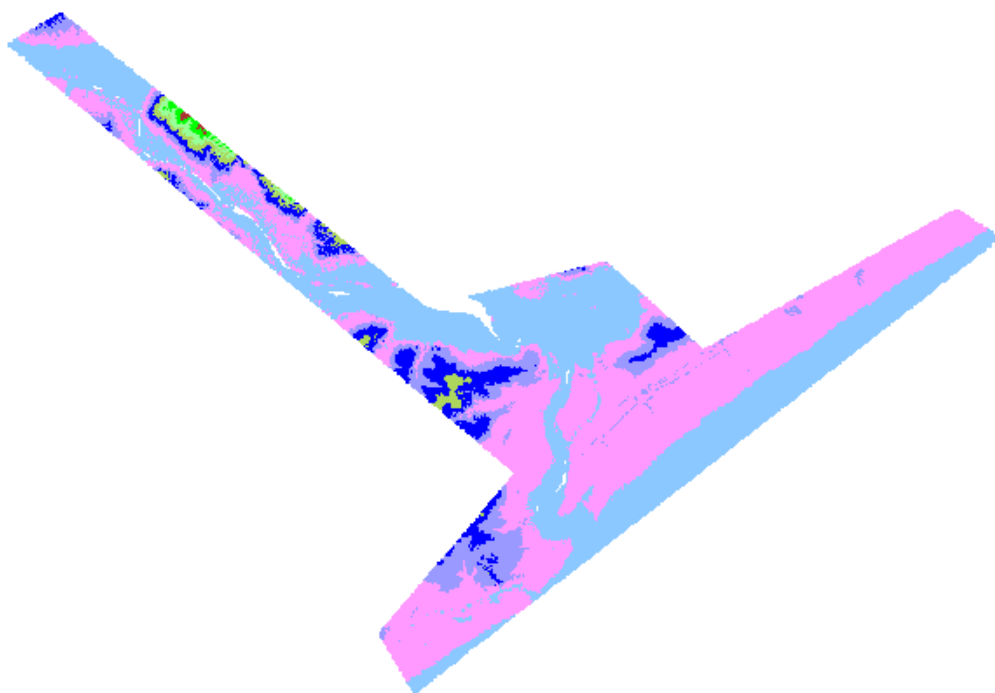
Contours



Intensity



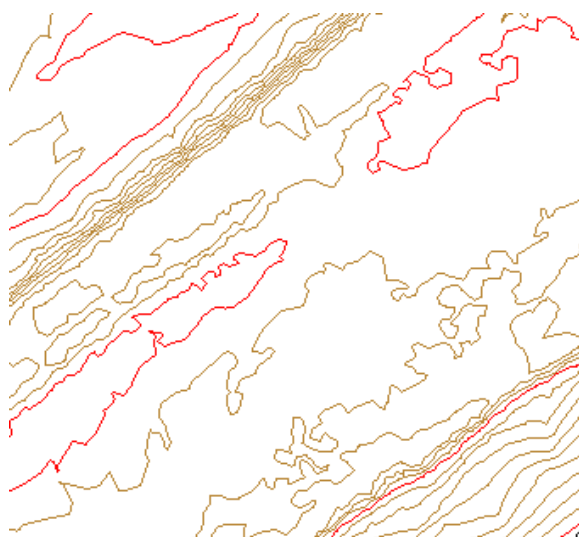
Tokomouth



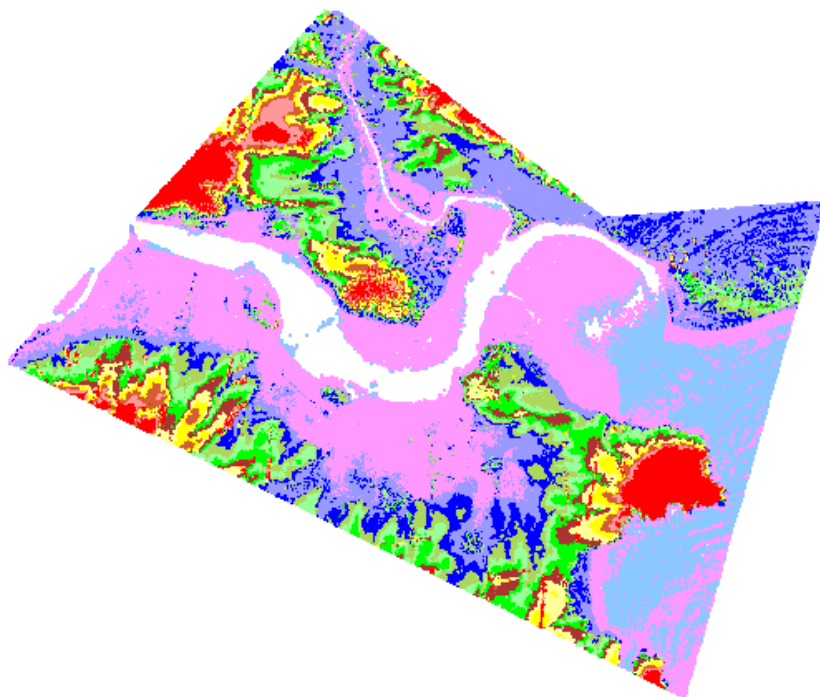
Intensity



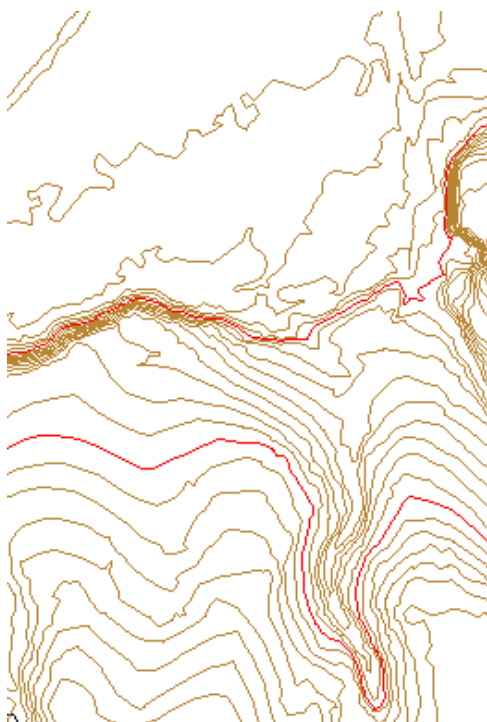
Contours



Pounaweia



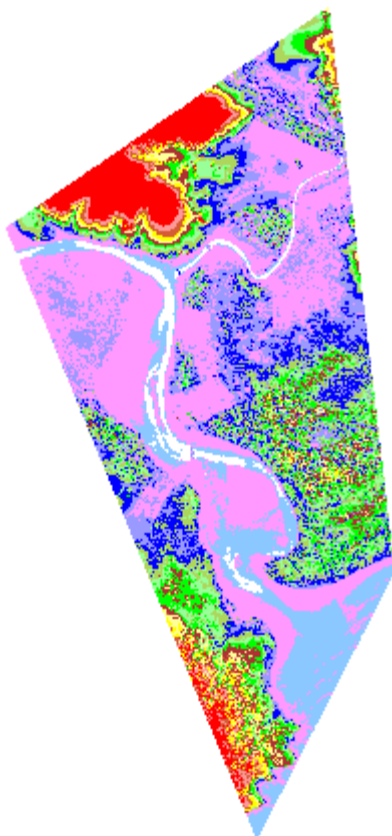
Contours



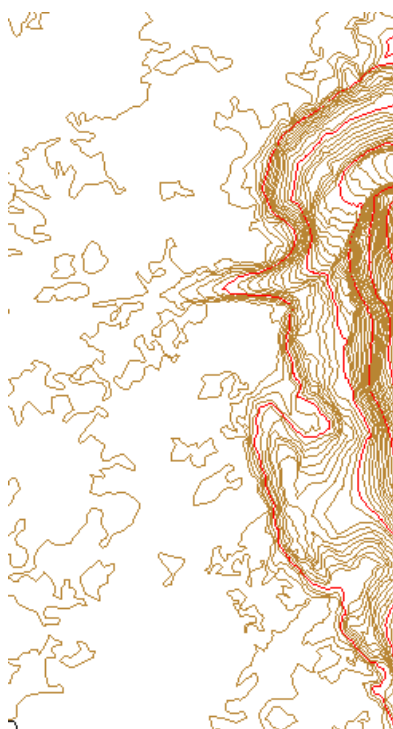
Intensity



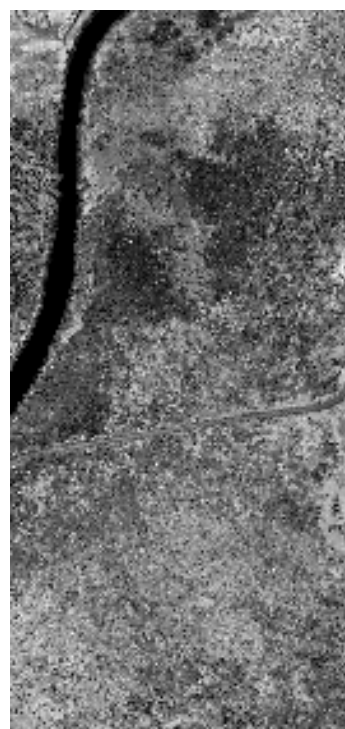
PAPATOWAI



Contours



Intensity



7. FILES SUPPLIED

COASTLINE

| Date | Time | Size | Name | Description |
|------------|---------|------------|--------------|---------------------|
| 20/05/2005 | 7:32 PM | 3,684,604 | 13124830.fst | First pulse strikes |
| 20/05/2005 | 7:32 PM | 1,361,849 | 13124830.grd | Ground strikes |
| 20/05/2005 | 7:32 PM | 19,140,501 | 13124830.non | Non-Ground strikes |
| 20/05/2005 | 7:35 PM | 150,417 | 13144828.fst | |
| 20/05/2005 | 7:35 PM | 528,610 | 13144828.grd | |
| 20/05/2005 | 7:35 PM | 5,300,055 | 13144828.non | |
| 20/05/2005 | 7:33 PM | 8,664,614 | 13144830.fst | |
| 20/05/2005 | 7:33 PM | 5,474,542 | 13144830.grd | |
| 20/05/2005 | 7:33 PM | 42,147,146 | 13144830.non | |
| 20/05/2005 | 7:36 PM | 96,021 | 13164828.fst | |
| 20/05/2005 | 7:36 PM | 4,034,033 | 13164828.grd | |
| 20/05/2005 | 7:36 PM | 20,978,476 | 13164828.non | |
| 20/05/2005 | 7:33 PM | 5,560,855 | 13164830.fst | |
| 20/05/2005 | 7:33 PM | 5,953,404 | 13164830.grd | |
| 20/05/2005 | 7:33 PM | 29,010,738 | 13164830.non | |
| 20/05/2005 | 7:37 PM | 2,887,189 | 13184828.fst | |
| 20/05/2005 | 7:37 PM | 6,644,207 | 13184828.grd | |
| 20/05/2005 | 7:37 PM | 55,860,488 | 13184828.non | |
| 20/05/2005 | 7:35 PM | 3,411,939 | 13184830.fst | |
| 20/05/2005 | 7:35 PM | 1,730,103 | 13184830.grd | |
| 20/05/2005 | 7:35 PM | 12,092,886 | 13184830.non | |
| 20/05/2005 | 7:38 PM | 6,430,404 | 13204828.fst | |
| 20/05/2005 | 7:38 PM | 9,111,157 | 13204828.grd | |
| 20/05/2005 | 7:38 PM | 67,014,430 | 13204828.non | |
| 20/05/2005 | 7:34 PM | 7,647,465 | 13204830.fst | |
| 20/05/2005 | 7:34 PM | 4,329,268 | 13204830.grd | |
| 20/05/2005 | 7:34 PM | 49,044,587 | 13204830.non | |
| 20/05/2005 | 7:35 PM | 501,385 | 13204832.fst | |
| 20/05/2005 | 7:35 PM | 319,567 | 13204832.grd | |
| 20/05/2005 | 7:35 PM | 5,000,887 | 13204832.non | |
| 20/05/2005 | 7:35 PM | 318,960 | 13224830.fst | |
| 20/05/2005 | 7:35 PM | 341,167 | 13224830.grd | |
| 20/05/2005 | 7:35 PM | 12,710,422 | 13224830.non | |
| 20/05/2005 | 7:30 PM | 5,450,219 | 13224832.fst | |
| 20/05/2005 | 7:30 PM | 1,668,755 | 13224832.grd | |
| 20/05/2005 | 7:30 PM | 35,274,671 | 13224832.non | |
| 20/05/2005 | 7:35 PM | 43,322 | 13244830.fst | |
| 20/05/2005 | 7:35 PM | 1,706,521 | 13244830.grd | |
| 20/05/2005 | 7:35 PM | 8,155,160 | 13244830.non | |
| 20/05/2005 | 7:31 PM | 9,846,893 | 13244832.fst | |
| 20/05/2005 | 7:31 PM | 3,209,286 | 13244832.grd | |
| 20/05/2005 | 7:31 PM | 61,437,062 | 13244832.non | |
| 20/05/2005 | 7:27 PM | 761,961 | 13244834.fst | |
| 20/05/2005 | 7:27 PM | 776,167 | 13244834.grd | |
| 20/05/2005 | 7:27 PM | 9,664,705 | 13244834.non | |
| 20/05/2005 | 7:35 PM | 2,435 | 13264830.fst | |

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| | | | |
|------------|---------|------------|--------------|
| 20/05/2005 | 7:35 PM | 1,052,083 | 13264830.grd |
| 20/05/2005 | 7:35 PM | 2,153,672 | 13264830.non |
| 20/05/2005 | 7:31 PM | 1,373,575 | 13264832.fst |
| 20/05/2005 | 7:32 PM | 7,760,723 | 13264832.grd |
| 20/05/2005 | 7:31 PM | 36,050,089 | 13264832.non |
| 20/05/2005 | 7:28 PM | 9,684,425 | 13264834.fst |
| 20/05/2005 | 7:29 PM | 3,155,413 | 13264834.grd |
| 20/05/2005 | 7:28 PM | 56,823,237 | 13264834.non |
| 20/05/2005 | 7:29 PM | 1,507,647 | 13264836.fst |
| 20/05/2005 | 7:29 PM | 447,091 | 13264836.grd |
| 20/05/2005 | 7:29 PM | 7,192,540 | 13264836.non |
| 20/05/2005 | 7:29 PM | 448,015 | 13284834.fst |
| 20/05/2005 | 7:29 PM | 4,114,276 | 13284834.grd |
| 20/05/2005 | 7:29 PM | 16,679,768 | 13284834.non |
| 20/05/2005 | 7:26 PM | 8,373,258 | 13284836.fst |
| 20/05/2005 | 7:26 PM | 8,206,308 | 13284836.grd |
| 20/05/2005 | 7:26 PM | 64,221,310 | 13284836.non |
| 20/05/2005 | 7:20 PM | 1,207,878 | 13284838.fst |
| 20/05/2005 | 7:20 PM | 1,751,335 | 13284838.grd |
| 20/05/2005 | 7:20 PM | 12,309,710 | 13284838.non |
| 20/05/2005 | 7:26 PM | 1,675,169 | 13304836.fst |
| 20/05/2005 | 7:26 PM | 1,741,710 | 13304836.grd |
| 20/05/2005 | 7:26 PM | 21,654,286 | 13304836.non |
| 20/05/2005 | 7:21 PM | 19,150,139 | 13304838.fst |
| 20/05/2005 | 7:22 PM | 3,167,335 | 13304838.grd |
| 20/05/2005 | 7:21 PM | 76,050,919 | 13304838.non |
| 20/05/2005 | 7:26 PM | 543,325 | 13324836.non |
| 20/05/2005 | 7:22 PM | 5,566,251 | 13324838.fst |
| 20/05/2005 | 7:22 PM | 8,678,993 | 13324838.grd |
| 20/05/2005 | 7:22 PM | 40,407,839 | 13324838.non |
| 20/05/2005 | 7:26 PM | 10,622 | 13344836.fst |
| 20/05/2005 | 7:26 PM | 2,740,731 | 13344836.grd |
| 20/05/2005 | 7:26 PM | 9,050,962 | 13344836.non |
| 20/05/2005 | 7:23 PM | 1,058,617 | 13344838.fst |
| 20/05/2005 | 7:23 PM | 13,149,325 | 13344838.grd |
| 20/05/2005 | 7:23 PM | 24,594,014 | 13344838.non |
| 20/05/2005 | 7:29 PM | 6,409 | 13364834.grd |
| 20/05/2005 | 7:29 PM | 3,842 | 13364834.non |
| 20/05/2005 | 7:27 PM | 21,150 | 13364836.fst |
| 20/05/2005 | 7:27 PM | 5,859,620 | 13364836.grd |
| 20/05/2005 | 7:27 PM | 18,373,215 | 13364836.non |
| 20/05/2005 | 7:23 PM | 403,030 | 13364838.fst |
| 20/05/2005 | 7:23 PM | 9,439,461 | 13364838.grd |
| 20/05/2005 | 7:23 PM | 17,818,987 | 13364838.non |
| 20/05/2005 | 7:17 PM | 3,876 | 13364840.grd |
| 20/05/2005 | 7:17 PM | 1,026 | 13364840.non |
| 20/05/2005 | 7:29 PM | 622 | 13384834.fst |
| 20/05/2005 | 7:29 PM | 57,362 | 13384834.grd |
| 20/05/2005 | 7:29 PM | 309,331 | 13384834.non |
| 20/05/2005 | 7:27 PM | 47,048 | 13384836.fst |
| 20/05/2005 | 7:27 PM | 8,991,701 | 13384836.grd |
| 20/05/2005 | 7:27 PM | 15,191,746 | 13384836.non |
| 20/05/2005 | 7:24 PM | 3,860,375 | 13384838.fst |

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|------------|---------|------------|--------------|
| 20/05/2005 | 7:24 PM | 14,258,945 | 13384838.grd |
| 20/05/2005 | 7:24 PM | 37,019,421 | 13384838.non |
| 20/05/2005 | 7:18 PM | 10,382,077 | 13384840.fst |
| 20/05/2005 | 7:18 PM | 3,674,674 | 13384840.grd |
| 20/05/2005 | 7:18 PM | 51,003,109 | 13384840.non |
| 20/05/2005 | 7:25 PM | 346,827 | 13404838.fst |
| 20/05/2005 | 7:25 PM | 4,071,448 | 13404838.grd |
| 20/05/2005 | 7:25 PM | 16,054,789 | 13404838.non |
| 20/05/2005 | 7:19 PM | 2,167,791 | 13404840.fst |
| 20/05/2005 | 7:19 PM | 14,500,185 | 13404840.grd |
| 20/05/2005 | 7:19 PM | 41,848,059 | 13404840.non |
| 20/05/2005 | 7:15 PM | 2,462 | 13404842.fst |
| 20/05/2005 | 7:15 PM | 843 | 13404842.grd |
| 20/05/2005 | 7:15 PM | 6,905 | 13404842.non |
| 20/05/2005 | 7:20 PM | 5,118,088 | 13424840.fst |
| 20/05/2005 | 7:20 PM | 9,889,811 | 13424840.grd |
| 20/05/2005 | 7:20 PM | 40,628,967 | 13424840.non |
| 20/05/2005 | 7:16 PM | 9,525,524 | 13424842.fst |
| 20/05/2005 | 7:16 PM | 2,021,394 | 13424842.grd |
| 20/05/2005 | 7:16 PM | 32,075,122 | 13424842.non |
| 20/05/2005 | 7:20 PM | 10,690 | 13444840.fst |
| 20/05/2005 | 7:20 PM | 561,650 | 13444840.grd |
| 20/05/2005 | 7:20 PM | 3,336,194 | 13444840.non |
| 20/05/2005 | 7:17 PM | 7,852,009 | 13444842.fst |
| 20/05/2005 | 7:17 PM | 12,817,462 | 13444842.grd |
| 20/05/2005 | 7:17 PM | 59,048,174 | 13444842.non |
| 20/05/2005 | 7:14 PM | 487,545 | 13444844.fst |
| 20/05/2005 | 7:14 PM | 3,710,109 | 13444844.grd |
| 20/05/2005 | 7:14 PM | 9,183,007 | 13444844.non |
| 20/05/2005 | 7:10 PM | 10,710 | 13444846.fst |
| 20/05/2005 | 7:10 PM | 142,259 | 13444846.grd |
| 20/05/2005 | 7:10 PM | 623,316 | 13444846.non |
| 20/05/2005 | 7:17 PM | 129,746 | 13464842.fst |
| 20/05/2005 | 7:17 PM | 4,892,059 | 13464842.grd |
| 20/05/2005 | 7:17 PM | 9,563,001 | 13464842.non |
| 20/05/2005 | 7:14 PM | 753,783 | 13464844.fst |
| 20/05/2005 | 7:15 PM | 16,706,174 | 13464844.grd |
| 20/05/2005 | 7:14 PM | 38,700,598 | 13464844.non |
| 20/05/2005 | 7:12 PM | 1,538,777 | 13464846.fst |
| 20/05/2005 | 7:12 PM | 13,670,828 | 13464846.grd |
| 20/05/2005 | 7:12 PM | 71,101,961 | 13464846.non |
| 20/05/2005 | 7:07 PM | 239,751 | 13464848.fst |
| 20/05/2005 | 7:08 PM | 4,404,202 | 13464848.grd |
| 20/05/2005 | 7:07 PM | 13,064,293 | 13464848.non |
| 20/05/2005 | 7:15 PM | 363 | 13484844.fst |
| 20/05/2005 | 7:15 PM | 66,591 | 13484844.grd |
| 20/05/2005 | 7:15 PM | 1,644,148 | 13484844.non |
| 20/05/2005 | 7:12 PM | 1,164,581 | 13484846.fst |
| 20/05/2005 | 7:12 PM | 5,511,629 | 13484846.grd |
| 20/05/2005 | 7:12 PM | 28,494,394 | 13484846.non |
| 20/05/2005 | 7:08 PM | 1,463,632 | 13484848.fst |
| 20/05/2005 | 7:08 PM | 11,493,345 | 13484848.grd |
| 20/05/2005 | 7:08 PM | 40,102,018 | 13484848.non |

OTAGO REGIONAL COUNCIL

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| 20/05/2005 | 7:15 PM | 10,307 | 13504846.fst |
| 20/05/2005 | 7:15 PM | 4,339,978 | 13504846.grd |
| 20/05/2005 | 7:15 PM | 13,635,517 | 13504846.non |
| 20/05/2005 | 7:13 PM | 184,687 | 13504848.fst |
| 20/05/2005 | 7:13 PM | 18,856,622 | 13504848.grd |
| 20/05/2005 | 7:13 PM | 34,471,617 | 13504848.non |
| 20/05/2005 | 7:09 PM | 57,655 | 13504850.fst |
| 20/05/2005 | 7:09 PM | 3,026,067 | 13504850.grd |
| 20/05/2005 | 7:09 PM | 4,382,016 | 13504850.non |
| 20/05/2005 | 7:06 PM | 25,100 | 13504854.grd |
| 20/05/2005 | 7:06 PM | 12,361 | 13504854.non |
| 20/05/2005 | 7:05 PM | 1,665,389 | 13504856.fst |
| 20/05/2005 | 7:05 PM | 653,005 | 13504856.grd |
| 20/05/2005 | 7:05 PM | 13,254,326 | 13504856.non |
| 20/05/2005 | 7:05 PM | 1,179,382 | 13504858.fst |
| 20/05/2005 | 7:05 PM | 6,348,198 | 13504858.grd |
| 20/05/2005 | 7:05 PM | 12,098,284 | 13504858.non |
| 20/05/2005 | 7:03 PM | 23,728 | 13504860.fst |
| 20/05/2005 | 7:04 PM | 3,068,084 | 13504860.grd |
| 20/05/2005 | 7:03 PM | 5,645,805 | 13504860.non |
| 20/05/2005 | 7:13 PM | 13,409 | 13524848.fst |
| 20/05/2005 | 7:14 PM | 7,930,303 | 13524848.grd |
| 20/05/2005 | 7:13 PM | 14,128,483 | 13524848.non |
| 20/05/2005 | 7:10 PM | 1,620,130 | 13524850.fst |
| 20/05/2005 | 7:10 PM | 18,539,381 | 13524850.grd |
| 20/05/2005 | 7:09 PM | 63,231,432 | 13524850.non |
| 20/05/2005 | 7:07 PM | 2,599,319 | 13524852.fst |
| 20/05/2005 | 7:07 PM | 14,658,012 | 13524852.grd |
| 20/05/2005 | 7:07 PM | 47,597,439 | 13524852.non |
| 20/05/2005 | 7:06 PM | 1,529,585 | 13524854.fst |
| 20/05/2005 | 7:06 PM | 15,721,560 | 13524854.grd |
| 20/05/2005 | 7:06 PM | 29,320,452 | 13524854.non |
| 20/05/2005 | 7:05 PM | 1,629,601 | 13524856.fst |
| 20/05/2005 | 7:05 PM | 5,448,933 | 13524856.grd |
| 20/05/2005 | 7:05 PM | 25,170,867 | 13524856.non |
| 20/05/2005 | 7:04 PM | 355,242 | 13524858.fst |
| 20/05/2005 | 7:04 PM | 6,720,045 | 13524858.grd |
| 20/05/2005 | 7:04 PM | 15,777,020 | 13524858.non |
| 20/05/2005 | 7:04 PM | 279,877 | 13524860.fst |
| 20/05/2005 | 7:04 PM | 9,424,055 | 13524860.grd |
| 20/05/2005 | 7:04 PM | 18,563,117 | 13524860.non |
| 20/05/2005 | 7:03 PM | 601,560 | 13524862.fst |
| 20/05/2005 | 7:03 PM | 7,360,416 | 13524862.grd |
| 20/05/2005 | 7:03 PM | 12,005,713 | 13524862.non |
| 20/05/2005 | 7:10 PM | 196,526 | 13544850.fst |
| 20/05/2005 | 7:10 PM | 6,416,346 | 13544850.grd |
| 20/05/2005 | 7:10 PM | 38,213,923 | 13544850.non |
| 20/05/2005 | 7:07 PM | 11,087 | 13544852.fst |
| 20/05/2005 | 7:07 PM | 77,946 | 13544852.grd |
| 20/05/2005 | 7:07 PM | 3,556,329 | 13544852.non |
| 20/05/2005 | 7:06 PM | 129,116 | 13544854.grd |
| 20/05/2005 | 7:06 PM | 1,417,595 | 13544854.non |
| 20/05/2005 | 7:04 PM | 40,966 | 13544860.non |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 7:03 PM | 133,134 | 13544862.fst |
| 20/05/2005 | 7:03 PM | 8,475,356 | 13544862.grd |
| 20/05/2005 | 7:03 PM | 15,700,661 | 13544862.non |
| 20/05/2005 | 7:01 PM | 342,955 | 13544864.fst |
| 20/05/2005 | 7:01 PM | 5,702,050 | 13544864.grd |
| 20/05/2005 | 7:01 PM | 11,294,087 | 13544864.non |
| 20/05/2005 | 7:10 PM | 74,656 | 13564850.grd |
| 20/05/2005 | 7:10 PM | 25,100 | 13564850.non |
| 20/05/2005 | 7:03 PM | 35 | 13564862.fst |
| 20/05/2005 | 7:03 PM | 103,713 | 13564862.grd |
| 20/05/2005 | 7:03 PM | 379,636 | 13564862.non |
| 20/05/2005 | 7:02 PM | 704,727 | 13564864.fst |
| 20/05/2005 | 7:02 PM | 13,616,644 | 13564864.grd |
| 20/05/2005 | 7:02 PM | 44,545,454 | 13564864.non |
| 20/05/2005 | 7:00 PM | 74 | 13564866.fst |
| 20/05/2005 | 7:00 PM | 3,011 | 13564866.grd |
| 20/05/2005 | 7:00 PM | 9,319 | 13564866.non |
| 20/05/2005 | 7:03 PM | 62,300 | 13584864.fst |
| 20/05/2005 | 7:03 PM | 64,942 | 13584864.grd |
| 20/05/2005 | 7:03 PM | 24,713,178 | 13584864.non |
| 20/05/2005 | 7:00 PM | 1,038,652 | 13584866.fst |
| 20/05/2005 | 7:00 PM | 4,000,713 | 13584866.grd |
| 20/05/2005 | 7:00 PM | 19,274,117 | 13584866.non |
| 20/05/2005 | 7:03 PM | 35 | 13604864.fst |
| 20/05/2005 | 7:03 PM | 699,106 | 13604864.non |
| 20/05/2005 | 7:01 PM | 1,084,290 | 13604866.fst |
| 20/05/2005 | 7:01 PM | 13,055,328 | 13604866.grd |
| 20/05/2005 | 7:01 PM | 26,771,591 | 13604866.non |
| 20/05/2005 | 6:59 PM | 852,086 | 13604868.fst |
| 20/05/2005 | 6:59 PM | 2,200,336 | 13604868.grd |
| 20/05/2005 | 6:59 PM | 6,659,897 | 13604868.non |
| 20/05/2005 | 7:01 PM | 871 | 13624866.fst |
| 20/05/2005 | 7:01 PM | 1,050,052 | 13624866.grd |
| 20/05/2005 | 7:01 PM | 2,438,784 | 13624866.non |
| 20/05/2005 | 7:00 PM | 132,300 | 13624868.fst |
| 20/05/2005 | 7:00 PM | 13,297,934 | 13624868.grd |
| 20/05/2005 | 7:00 PM | 23,565,664 | 13624868.non |
| 20/05/2005 | 6:59 PM | 442,792 | 13624870.fst |
| 20/05/2005 | 6:59 PM | 5,536,636 | 13624870.grd |
| 20/05/2005 | 6:59 PM | 6,097,979 | 13624870.non |
| 20/05/2005 | 7:00 PM | 36 | 13644868.fst |
| 20/05/2005 | 7:00 PM | 155,041 | 13644868.grd |
| 20/05/2005 | 7:00 PM | 1,366,902 | 13644868.non |
| 20/05/2005 | 6:58 PM | 565,237 | 13644870.fst |
| 20/05/2005 | 6:59 PM | 13,521,291 | 13644870.grd |
| 20/05/2005 | 6:58 PM | 22,898,314 | 13644870.non |
| 20/05/2005 | 6:57 PM | 441,367 | 13644872.fst |
| 20/05/2005 | 6:57 PM | 528,627 | 13644872.grd |
| 20/05/2005 | 6:57 PM | 2,495,839 | 13644872.non |
| 20/05/2005 | 6:59 PM | 40,338 | 13664870.fst |
| 20/05/2005 | 6:59 PM | 4,129,897 | 13664870.grd |
| 20/05/2005 | 6:59 PM | 4,902,527 | 13664870.non |
| 20/05/2005 | 6:58 PM | 1,247,862 | 13664872.fst |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 6:58 PM | 13,383,825 | 13664872.grd |
| 20/05/2005 | 6:58 PM | 25,488,022 | 13664872.non |
| 20/05/2005 | 6:57 PM | 10,599 | 13664874.fst |
| 20/05/2005 | 6:57 PM | 2,086,855 | 13664874.grd |
| 20/05/2005 | 6:57 PM | 1,736,373 | 13664874.non |
| 20/05/2005 | 6:58 PM | 20,029 | 13684872.fst |
| 20/05/2005 | 6:58 PM | 3,181,287 | 13684872.grd |
| 20/05/2005 | 6:58 PM | 8,572,476 | 13684872.non |
| 20/05/2005 | 6:57 PM | 1,029,292 | 13684874.fst |
| 20/05/2005 | 6:57 PM | 12,313,061 | 13684874.grd |
| 20/05/2005 | 6:57 PM | 24,703,029 | 13684874.non |
| 20/05/2005 | 6:56 PM | 366,714 | 13684876.fst |
| 20/05/2005 | 6:56 PM | 2,661,744 | 13684876.grd |
| 20/05/2005 | 6:56 PM | 2,153,676 | 13684876.non |
| 20/05/2005 | 6:57 PM | 4,013 | 13704874.fst |
| 20/05/2005 | 6:57 PM | 965,870 | 13704874.grd |
| 20/05/2005 | 6:57 PM | 2,510,386 | 13704874.non |
| 20/05/2005 | 6:56 PM | 1,362,728 | 13704876.fst |
| 20/05/2005 | 6:56 PM | 16,318,017 | 13704876.grd |
| 20/05/2005 | 6:56 PM | 27,908,657 | 13704876.non |
| 20/05/2005 | 6:54 PM | 207,314 | 13704878.fst |
| 20/05/2005 | 6:54 PM | 1,615,253 | 13704878.grd |
| 20/05/2005 | 6:54 PM | 6,133,828 | 13704878.non |
| 20/05/2005 | 6:56 PM | 24,045 | 13724876.fst |
| 20/05/2005 | 6:56 PM | 2,963,440 | 13724876.grd |
| 20/05/2005 | 6:56 PM | 19,178,271 | 13724876.non |
| 20/05/2005 | 6:54 PM | 788,796 | 13724878.fst |
| 20/05/2005 | 6:55 PM | 15,820,269 | 13724878.grd |
| 20/05/2005 | 6:54 PM | 55,644,932 | 13724878.non |
| 20/05/2005 | 6:55 PM | 370 | 13724880.fst |
| 20/05/2005 | 6:55 PM | 255,671 | 13724880.grd |
| 20/05/2005 | 6:55 PM | 693,099 | 13724880.non |
| 20/05/2005 | 6:55 PM | 125,794 | 13744878.fst |
| 20/05/2005 | 6:55 PM | 5,874,663 | 13744878.grd |
| 20/05/2005 | 6:55 PM | 12,957,445 | 13744878.non |
| 20/05/2005 | 6:52 PM | 369,055 | 13744880.fst |
| 20/05/2005 | 6:53 PM | 10,212,853 | 13744880.grd |
| 20/05/2005 | 6:52 PM | 16,305,476 | 13744880.non |
| 20/05/2005 | 6:55 PM | 1,693 | 13764878.non |
| 20/05/2005 | 6:53 PM | 1,181,949 | 13764880.fst |
| 20/05/2005 | 6:53 PM | 11,964,852 | 13764880.grd |
| 20/05/2005 | 6:53 PM | 19,314,715 | 13764880.non |
| 20/05/2005 | 6:52 PM | 534,662 | 13764882.fst |
| 20/05/2005 | 6:52 PM | 5,077,225 | 13764882.grd |
| 20/05/2005 | 6:52 PM | 9,752,392 | 13764882.non |
| 20/05/2005 | 6:53 PM | 14,492 | 13784880.fst |
| 20/05/2005 | 6:53 PM | 516,565 | 13784880.grd |
| 20/05/2005 | 6:53 PM | 625,381 | 13784880.non |
| 20/05/2005 | 6:51 PM | 3,223,497 | 13784882.fst |
| 20/05/2005 | 6:52 PM | 13,112,616 | 13784882.grd |
| 20/05/2005 | 6:51 PM | 54,585,942 | 13784882.non |
| 20/05/2005 | 6:51 PM | 2,207,953 | 13784884.fst |
| 20/05/2005 | 6:51 PM | 5,559,407 | 13784884.grd |

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|------------|---------|------------|--------------|
| 20/05/2005 | 6:50 PM | 33,422,154 | 13784884.non |
| 20/05/2005 | 6:52 PM | 145 | 13804882.fst |
| 20/05/2005 | 6:52 PM | 142,122 | 13804882.grd |
| 20/05/2005 | 6:52 PM | 1,259,706 | 13804882.non |
| 20/05/2005 | 6:50 PM | 1,250,665 | 13804884.fst |
| 20/05/2005 | 6:50 PM | 13,590,326 | 13804884.grd |
| 20/05/2005 | 6:50 PM | 56,304,831 | 13804884.non |
| 20/05/2005 | 6:48 PM | 1,327,602 | 13804886.fst |
| 20/05/2005 | 6:48 PM | 10,112,541 | 13804886.grd |
| 20/05/2005 | 6:48 PM | 35,115,629 | 13804886.non |
| 20/05/2005 | 6:47 PM | 832,412 | 13804888.fst |
| 20/05/2005 | 6:47 PM | 6,341,729 | 13804888.grd |
| 20/05/2005 | 6:47 PM | 11,003,849 | 13804888.non |
| 20/05/2005 | 6:46 PM | 1,251 | 13804890.fst |
| 20/05/2005 | 6:46 PM | 96,182 | 13804890.grd |
| 20/05/2005 | 6:46 PM | 75,169 | 13804890.non |
| 20/05/2005 | 6:45 PM | 12,344 | 13804892.fst |
| 20/05/2005 | 6:45 PM | 49,469 | 13804892.grd |
| 20/05/2005 | 6:45 PM | 76,744 | 13804892.non |
| 20/05/2005 | 6:51 PM | 53,934 | 13824884.grd |
| 20/05/2005 | 6:51 PM | 1,071,322 | 13824884.non |
| 20/05/2005 | 6:49 PM | 345,659 | 13824886.fst |
| 20/05/2005 | 6:49 PM | 4,951,384 | 13824886.grd |
| 20/05/2005 | 6:49 PM | 24,494,869 | 13824886.non |
| 20/05/2005 | 6:48 PM | 708,144 | 13824888.fst |
| 20/05/2005 | 6:48 PM | 8,940,206 | 13824888.grd |
| 20/05/2005 | 6:48 PM | 20,705,105 | 13824888.non |
| 20/05/2005 | 6:47 PM | 1,103,099 | 13824890.fst |
| 20/05/2005 | 6:47 PM | 13,784,854 | 13824890.grd |
| 20/05/2005 | 6:47 PM | 36,755,066 | 13824890.non |
| 20/05/2005 | 6:46 PM | 926,020 | 13824892.fst |
| 20/05/2005 | 6:46 PM | 14,006,200 | 13824892.grd |
| 20/05/2005 | 6:46 PM | 26,826,855 | 13824892.non |
| 20/05/2005 | 6:45 PM | 1,740,517 | 13824894.fst |
| 20/05/2005 | 6:45 PM | 11,065,188 | 13824894.grd |
| 20/05/2005 | 6:45 PM | 27,340,118 | 13824894.non |
| 20/05/2005 | 6:44 PM | 984,328 | 13824896.fst |
| 20/05/2005 | 6:44 PM | 7,792,985 | 13824896.grd |
| 20/05/2005 | 6:44 PM | 24,689,156 | 13824896.non |
| 20/05/2005 | 6:43 PM | 518,821 | 13824898.fst |
| 20/05/2005 | 6:43 PM | 1,676,784 | 13824898.grd |
| 20/05/2005 | 6:43 PM | 3,832,063 | 13824898.non |
| 20/05/2005 | 6:45 PM | 3,450 | 13844894.fst |
| 20/05/2005 | 6:45 PM | 741,207 | 13844894.grd |
| 20/05/2005 | 6:45 PM | 3,426,954 | 13844894.non |
| 20/05/2005 | 6:45 PM | 218,842 | 13844896.fst |
| 20/05/2005 | 6:45 PM | 4,062,050 | 13844896.grd |
| 20/05/2005 | 6:45 PM | 10,659,466 | 13844896.non |
| 20/05/2005 | 6:44 PM | 1,727,568 | 13844898.fst |
| 20/05/2005 | 6:44 PM | 13,428,678 | 13844898.grd |
| 20/05/2005 | 6:44 PM | 22,760,506 | 13844898.non |
| 20/05/2005 | 6:43 PM | 1,188,995 | 13844900.fst |
| 20/05/2005 | 6:43 PM | 9,398,845 | 13844900.grd |

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|------------|---------|------------|--------------|
| 20/05/2005 | 6:43 PM | 16,547,267 | 13844900.non |
| 20/05/2005 | 6:42 PM | 198,076 | 13844902.fst |
| 20/05/2005 | 6:42 PM | 369,438 | 13844902.grd |
| 20/05/2005 | 6:42 PM | 2,392,195 | 13844902.non |
| 20/05/2005 | 6:43 PM | 191,777 | 13864900.fst |
| 20/05/2005 | 6:43 PM | 5,747,110 | 13864900.grd |
| 20/05/2005 | 6:43 PM | 8,948,655 | 13864900.non |
| 20/05/2005 | 6:42 PM | 1,649,971 | 13864902.fst |
| 20/05/2005 | 6:42 PM | 15,621,025 | 13864902.grd |
| 20/05/2005 | 6:42 PM | 27,088,912 | 13864902.non |
| 20/05/2005 | 6:41 PM | 129,826 | 13864904.fst |
| 20/05/2005 | 6:41 PM | 3,422,997 | 13864904.grd |
| 20/05/2005 | 6:41 PM | 6,464,527 | 13864904.non |
| 20/05/2005 | 6:42 PM | 4,398 | 13884902.fst |
| 20/05/2005 | 6:42 PM | 1,745,072 | 13884902.grd |
| 20/05/2005 | 6:42 PM | 4,765,063 | 13884902.non |
| 20/05/2005 | 6:42 PM | 6,359,580 | 13884904.fst |
| 20/05/2005 | 6:42 PM | 10,843,122 | 13884904.grd |
| 20/05/2005 | 6:41 PM | 34,277,044 | 13884904.non |
| 20/05/2005 | 6:40 PM | 4,192,395 | 13884906.fst |
| 20/05/2005 | 6:40 PM | 5,701,462 | 13884906.grd |
| 20/05/2005 | 6:40 PM | 17,859,087 | 13884906.non |
| 20/05/2005 | 6:40 PM | 1,793,120 | 13904906.fst |
| 20/05/2005 | 6:41 PM | 11,074,428 | 13904906.grd |
| 20/05/2005 | 6:40 PM | 36,095,889 | 13904906.non |
| 20/05/2005 | 6:38 PM | 1,567,497 | 13904908.fst |
| 20/05/2005 | 6:38 PM | 4,659,046 | 13904908.grd |
| 20/05/2005 | 6:37 PM | 23,716,068 | 13904908.non |
| 20/05/2005 | 6:41 PM | 116,409 | 13924906.fst |
| 20/05/2005 | 6:41 PM | 1,436,851 | 13924906.grd |
| 20/05/2005 | 6:41 PM | 5,903,422 | 13924906.non |
| 20/05/2005 | 6:38 PM | 3,173,228 | 13924908.fst |
| 20/05/2005 | 6:39 PM | 14,263,904 | 13924908.grd |
| 20/05/2005 | 6:38 PM | 46,974,370 | 13924908.non |
| 20/05/2005 | 6:39 PM | 37 | 13924910.fst |
| 20/05/2005 | 6:39 PM | 389,868 | 13924910.grd |
| 20/05/2005 | 6:39 PM | 271,057 | 13924910.non |
| 20/05/2005 | 6:39 PM | 291,818 | 13944908.fst |
| 20/05/2005 | 6:39 PM | 7,788,453 | 13944908.grd |
| 20/05/2005 | 6:39 PM | 14,069,403 | 13944908.non |
| 20/05/2005 | 6:34 PM | 1,039,235 | 13944910.fst |
| 20/05/2005 | 6:34 PM | 6,476,627 | 13944910.grd |
| 20/05/2005 | 6:34 PM | 10,368,975 | 13944910.non |
| 20/05/2005 | 6:39 PM | 113,710 | 13964908.fst |
| 20/05/2005 | 6:39 PM | 1,699,360 | 13964908.grd |
| 20/05/2005 | 6:39 PM | 5,062,417 | 13964908.non |
| 20/05/2005 | 6:34 PM | 2,243,258 | 13964910.fst |
| 20/05/2005 | 6:34 PM | 9,880,046 | 13964910.grd |
| 20/05/2005 | 6:34 PM | 45,517,910 | 13964910.non |
| 20/05/2005 | 6:35 PM | 1,247,402 | 13984910.fst |
| 20/05/2005 | 6:35 PM | 13,594,924 | 13984910.grd |
| 20/05/2005 | 6:35 PM | 64,605,664 | 13984910.non |
| 20/05/2005 | 6:36 PM | 2,444,937 | 14004910.fst |

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|------------|---------|------------|--------------|
| 20/05/2005 | 6:37 PM | 14,436,271 | 14004910.grd |
| 20/05/2005 | 6:36 PM | 62,429,013 | 14004910.non |
| 20/05/2005 | 6:28 PM | 977,166 | 14004912.fst |
| 20/05/2005 | 6:28 PM | 2,616,483 | 14004912.grd |
| 20/05/2005 | 6:28 PM | 13,450,627 | 14004912.non |
| 20/05/2005 | 6:37 PM | 272,606 | 14024910.fst |
| 20/05/2005 | 6:37 PM | 6,503,146 | 14024910.grd |
| 20/05/2005 | 6:37 PM | 17,129,210 | 14024910.non |
| 20/05/2005 | 6:28 PM | 2,016,327 | 14024912.fst |
| 20/05/2005 | 6:28 PM | 8,376,880 | 14024912.grd |
| 20/05/2005 | 6:28 PM | 35,592,792 | 14024912.non |
| 20/05/2005 | 6:37 PM | 26,766 | 14044910.fst |
| 20/05/2005 | 6:37 PM | 903,088 | 14044910.grd |
| 20/05/2005 | 6:37 PM | 4,477,472 | 14044910.non |
| 20/05/2005 | 6:30 PM | 3,389,234 | 14044912.fst |
| 20/05/2005 | 6:30 PM | 12,587,106 | 14044912.grd |
| 20/05/2005 | 6:30 PM | 79,894,293 | 14044912.non |
| 20/05/2005 | 6:22 PM | 954,815 | 14044914.fst |
| 20/05/2005 | 6:22 PM | 2,456,382 | 14044914.grd |
| 20/05/2005 | 6:22 PM | 8,672,591 | 14044914.non |
| 20/05/2005 | 6:17 PM | 213,972 | 14044916.fst |
| 20/05/2005 | 6:17 PM | 840,381 | 14044916.grd |
| 20/05/2005 | 6:17 PM | 3,407,844 | 14044916.non |
| 20/05/2005 | 6:31 PM | 474,121 | 14064912.fst |
| 20/05/2005 | 6:31 PM | 8,365,486 | 14064912.grd |
| 20/05/2005 | 6:31 PM | 58,728,078 | 14064912.non |
| 20/05/2005 | 6:22 PM | 893,879 | 14064914.fst |
| 20/05/2005 | 6:22 PM | 9,447,396 | 14064914.grd |
| 20/05/2005 | 6:22 PM | 33,406,860 | 14064914.non |
| 20/05/2005 | 6:18 PM | 1,853,153 | 14064916.fst |
| 20/05/2005 | 6:18 PM | 8,849,260 | 14064916.grd |
| 20/05/2005 | 6:18 PM | 32,432,474 | 14064916.non |
| 20/05/2005 | 6:11 PM | 251,274 | 14064918.fst |
| 20/05/2005 | 6:11 PM | 669,611 | 14064918.grd |
| 20/05/2005 | 6:11 PM | 1,309,574 | 14064918.non |
| 20/05/2005 | 6:32 PM | 909,182 | 14084912.fst |
| 20/05/2005 | 6:32 PM | 8,516,681 | 14084912.grd |
| 20/05/2005 | 6:32 PM | 58,943,285 | 14084912.non |
| 20/05/2005 | 6:23 PM | 4,001,165 | 14084914.fst |
| 20/05/2005 | 6:23 PM | 13,247,934 | 14084914.grd |
| 20/05/2005 | 6:23 PM | 55,127,756 | 14084914.non |
| 20/05/2005 | 6:18 PM | 4,255,346 | 14084916.fst |
| 20/05/2005 | 6:18 PM | 7,952,084 | 14084916.grd |
| 20/05/2005 | 6:18 PM | 27,543,347 | 14084916.non |
| 20/05/2005 | 6:12 PM | 4,284,979 | 14084918.fst |
| 20/05/2005 | 6:12 PM | 4,631,327 | 14084918.grd |
| 20/05/2005 | 6:12 PM | 27,736,720 | 14084918.non |
| 20/05/2005 | 5:45 PM | 185 | 14084928.fst |
| 20/05/2005 | 5:45 PM | 6,072 | 14084928.grd |
| 20/05/2005 | 5:45 PM | 3,181 | 14084928.non |
| 20/05/2005 | 5:39 PM | 236,006 | 14084930.fst |
| 20/05/2005 | 5:39 PM | 2,367,375 | 14084930.grd |
| 20/05/2005 | 5:39 PM | 4,486,509 | 14084930.non |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 5:38 PM | 1,933,081 | 14084932.fst |
| 20/05/2005 | 5:38 PM | 3,113,540 | 14084932.grd |
| 20/05/2005 | 5:38 PM | 10,812,597 | 14084932.non |
| 20/05/2005 | 5:38 PM | 315,966 | 14084934.fst |
| 20/05/2005 | 5:38 PM | 572,306 | 14084934.grd |
| 20/05/2005 | 5:38 PM | 1,187,000 | 14084934.non |
| 20/05/2005 | 6:33 PM | 287,703 | 14104912.fst |
| 20/05/2005 | 6:33 PM | 8,804,440 | 14104912.grd |
| 20/05/2005 | 6:33 PM | 43,017,244 | 14104912.non |
| 20/05/2005 | 6:24 PM | 1,778,320 | 14104914.fst |
| 20/05/2005 | 6:24 PM | 14,260,910 | 14104914.grd |
| 20/05/2005 | 6:24 PM | 37,007,784 | 14104914.non |
| 20/05/2005 | 6:19 PM | 2,305,498 | 14104916.fst |
| 20/05/2005 | 6:19 PM | 6,444,651 | 14104916.grd |
| 20/05/2005 | 6:19 PM | 13,279,001 | 14104916.non |
| 20/05/2005 | 6:13 PM | 4,883,285 | 14104918.fst |
| 20/05/2005 | 6:13 PM | 10,166,019 | 14104918.grd |
| 20/05/2005 | 6:12 PM | 40,335,076 | 14104918.non |
| 20/05/2005 | 6:06 PM | 3,450,533 | 14104920.fst |
| 20/05/2005 | 6:06 PM | 6,121,084 | 14104920.grd |
| 20/05/2005 | 6:05 PM | 22,774,926 | 14104920.non |
| 20/05/2005 | 6:01 PM | 23,163 | 14104922.fst |
| 20/05/2005 | 6:01 PM | 66,966 | 14104922.grd |
| 20/05/2005 | 6:01 PM | 151,579 | 14104922.non |
| 20/05/2005 | 5:45 PM | 1,051,141 | 14104928.fst |
| 20/05/2005 | 5:45 PM | 5,657,516 | 14104928.grd |
| 20/05/2005 | 5:45 PM | 7,051,515 | 14104928.non |
| 20/05/2005 | 5:40 PM | 4,512,255 | 14104930.fst |
| 20/05/2005 | 5:41 PM | 18,606,066 | 14104930.grd |
| 20/05/2005 | 5:40 PM | 46,563,753 | 14104930.non |
| 20/05/2005 | 5:37 PM | 2,215,677 | 14104932.fst |
| 20/05/2005 | 5:38 PM | 17,881,941 | 14104932.grd |
| 20/05/2005 | 5:37 PM | 40,592,077 | 14104932.non |
| 20/05/2005 | 5:36 PM | 4,740,631 | 14104934.fst |
| 20/05/2005 | 5:36 PM | 14,306,520 | 14104934.grd |
| 20/05/2005 | 5:35 PM | 38,446,430 | 14104934.non |
| 20/05/2005 | 5:34 PM | 262,590 | 14104936.fst |
| 20/05/2005 | 5:34 PM | 1,313,475 | 14104936.grd |
| 20/05/2005 | 5:34 PM | 2,271,034 | 14104936.non |
| 20/05/2005 | 6:33 PM | 28,118 | 14124912.fst |
| 20/05/2005 | 6:33 PM | 2,404,067 | 14124912.grd |
| 20/05/2005 | 6:33 PM | 3,294,613 | 14124912.non |
| 20/05/2005 | 6:25 PM | 774,915 | 14124914.fst |
| 20/05/2005 | 6:25 PM | 18,290,380 | 14124914.grd |
| 20/05/2005 | 6:25 PM | 24,718,177 | 14124914.non |
| 20/05/2005 | 6:19 PM | 3,634,658 | 14124916.fst |
| 20/05/2005 | 6:20 PM | 15,895,927 | 14124916.grd |
| 20/05/2005 | 6:19 PM | 30,049,395 | 14124916.non |
| 20/05/2005 | 6:13 PM | 981,562 | 14124918.fst |
| 20/05/2005 | 6:13 PM | 4,382,162 | 14124918.grd |
| 20/05/2005 | 6:13 PM | 10,081,277 | 14124918.non |
| 20/05/2005 | 6:06 PM | 1,771,324 | 14124920.fst |
| 20/05/2005 | 6:06 PM | 5,211,644 | 14124920.grd |

OTAGO REGIONAL COUNCIL

| | | | |
|------------|---------|------------|--------------|
| 20/05/2005 | 6:06 PM | 18,063,731 | 14124920.non |
| 20/05/2005 | 6:01 PM | 3,015,659 | 14124922.fst |
| 20/05/2005 | 6:02 PM | 12,961,080 | 14124922.grd |
| 20/05/2005 | 6:01 PM | 30,703,818 | 14124922.non |
| 20/05/2005 | 5:56 PM | 1,145,720 | 14124924.fst |
| 20/05/2005 | 5:56 PM | 1,754,021 | 14124924.grd |
| 20/05/2005 | 5:56 PM | 5,789,824 | 14124924.non |
| 20/05/2005 | 5:45 PM | 356,053 | 14124928.fst |
| 20/05/2005 | 5:45 PM | 499,002 | 14124928.grd |
| 20/05/2005 | 5:45 PM | 3,055,048 | 14124928.non |
| 20/05/2005 | 5:42 PM | 11,774,177 | 14124930.fst |
| 20/05/2005 | 5:42 PM | 15,509,553 | 14124930.grd |
| 20/05/2005 | 5:42 PM | 74,109,528 | 14124930.non |
| 20/05/2005 | 5:39 PM | 2,715,699 | 14124932.fst |
| 20/05/2005 | 5:39 PM | 13,194,291 | 14124932.grd |
| 20/05/2005 | 5:39 PM | 57,640,495 | 14124932.non |
| 20/05/2005 | 5:36 PM | 2,636,523 | 14124934.fst |
| 20/05/2005 | 5:36 PM | 12,201,553 | 14124934.grd |
| 20/05/2005 | 5:36 PM | 28,662,379 | 14124934.non |
| 20/05/2005 | 5:34 PM | 1,927,913 | 14124936.fst |
| 20/05/2005 | 5:34 PM | 16,299,228 | 14124936.grd |
| 20/05/2005 | 5:34 PM | 25,644,098 | 14124936.non |
| 20/05/2005 | 5:32 PM | 488,679 | 14124938.fst |
| 20/05/2005 | 5:32 PM | 3,063,045 | 14124938.grd |
| 20/05/2005 | 5:32 PM | 5,247,491 | 14124938.non |
| 20/05/2005 | 6:25 PM | 481,376 | 14144914.fst |
| 20/05/2005 | 6:26 PM | 15,954,819 | 14144914.grd |
| 20/05/2005 | 6:25 PM | 26,227,575 | 14144914.non |
| 20/05/2005 | 6:20 PM | 399,251 | 14144916.fst |
| 20/05/2005 | 6:20 PM | 5,341,318 | 14144916.grd |
| 20/05/2005 | 6:20 PM | 7,789,732 | 14144916.non |
| 20/05/2005 | 6:13 PM | 2,055,436 | 14144918.fst |
| 20/05/2005 | 6:14 PM | 16,519,361 | 14144918.grd |
| 20/05/2005 | 6:13 PM | 29,716,604 | 14144918.non |
| 20/05/2005 | 6:06 PM | 459,235 | 14144920.fst |
| 20/05/2005 | 6:06 PM | 1,839,409 | 14144920.grd |
| 20/05/2005 | 6:06 PM | 14,387,021 | 14144920.non |
| 20/05/2005 | 6:02 PM | 2,827,561 | 14144922.fst |
| 20/05/2005 | 6:02 PM | 7,362,096 | 14144922.grd |
| 20/05/2005 | 6:02 PM | 30,458,025 | 14144922.non |
| 20/05/2005 | 5:57 PM | 5,552,864 | 14144924.fst |
| 20/05/2005 | 5:57 PM | 12,612,197 | 14144924.grd |
| 20/05/2005 | 5:57 PM | 48,307,176 | 14144924.non |
| 20/05/2005 | 5:58 PM | 2,504,812 | 14144926.fst |
| 20/05/2005 | 5:58 PM | 5,687,688 | 14144926.grd |
| 20/05/2005 | 5:57 PM | 14,338,048 | 14144926.non |
| 20/05/2005 | 5:46 PM | 3,009,565 | 14144928.fst |
| 20/05/2005 | 5:46 PM | 8,085,660 | 14144928.grd |
| 20/05/2005 | 5:45 PM | 17,086,697 | 14144928.non |
| 20/05/2005 | 5:43 PM | 3,598,863 | 14144930.fst |
| 20/05/2005 | 5:44 PM | 14,729,936 | 14144930.grd |
| 20/05/2005 | 5:43 PM | 50,906,023 | 14144930.non |
| 20/05/2005 | 5:39 PM | 549,310 | 14144932.fst |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 5:39 PM | 3,260,530 | 14144932.grd |
| 20/05/2005 | 5:39 PM | 9,911,397 | 14144932.non |
| 20/05/2005 | 5:35 PM | 240,707 | 14144936.fst |
| 20/05/2005 | 5:35 PM | 3,108,032 | 14144936.grd |
| 20/05/2005 | 5:35 PM | 5,598,573 | 14144936.non |
| 20/05/2005 | 5:33 PM | 3,578,838 | 14144938.fst |
| 20/05/2005 | 5:33 PM | 17,465,852 | 14144938.grd |
| 20/05/2005 | 5:33 PM | 24,534,118 | 14144938.non |
| 20/05/2005 | 5:31 PM | 2,114,225 | 14144940.fst |
| 20/05/2005 | 5:31 PM | 5,581,969 | 14144940.grd |
| 20/05/2005 | 5:31 PM | 19,201,934 | 14144940.non |
| 20/05/2005 | 5:30 PM | 16,416 | 14144942.fst |
| 20/05/2005 | 5:30 PM | 326,861 | 14144942.grd |
| 20/05/2005 | 5:30 PM | 268,150 | 14144942.non |
| 20/05/2005 | 6:33 PM | 762 | 14164912.grd |
| 20/05/2005 | 6:33 PM | 214 | 14164912.non |
| 20/05/2005 | 6:26 PM | 337,537 | 14164914.fst |
| 20/05/2005 | 6:26 PM | 17,494,383 | 14164914.grd |
| 20/05/2005 | 6:26 PM | 29,912,482 | 14164914.non |
| 20/05/2005 | 6:20 PM | 9,367 | 14164916.fst |
| 20/05/2005 | 6:20 PM | 318,486 | 14164916.grd |
| 20/05/2005 | 6:20 PM | 379,676 | 14164916.non |
| 20/05/2005 | 6:14 PM | 1,075,154 | 14164918.fst |
| 20/05/2005 | 6:14 PM | 8,955,861 | 14164918.grd |
| 20/05/2005 | 6:14 PM | 15,925,774 | 14164918.non |
| 20/05/2005 | 6:07 PM | 3,583,874 | 14164920.fst |
| 20/05/2005 | 6:08 PM | 11,838,386 | 14164920.grd |
| 20/05/2005 | 6:07 PM | 38,076,459 | 14164920.non |
| 20/05/2005 | 6:02 PM | 42,102 | 14164922.fst |
| 20/05/2005 | 6:02 PM | 2,727,413 | 14164922.grd |
| 20/05/2005 | 6:02 PM | 7,582,919 | 14164922.non |
| 20/05/2005 | 5:58 PM | 372,793 | 14164924.fst |
| 20/05/2005 | 5:58 PM | 1,226,168 | 14164924.grd |
| 20/05/2005 | 5:58 PM | 5,387,776 | 14164924.non |
| 20/05/2005 | 5:51 PM | 2,260,405 | 14164926.fst |
| 20/05/2005 | 5:52 PM | 17,617,372 | 14164926.grd |
| 20/05/2005 | 5:51 PM | 32,805,072 | 14164926.non |
| 20/05/2005 | 5:46 PM | 818,297 | 14164928.fst |
| 20/05/2005 | 5:47 PM | 13,751,641 | 14164928.grd |
| 20/05/2005 | 5:46 PM | 21,052,926 | 14164928.non |
| 20/05/2005 | 5:44 PM | 1,620,685 | 14164930.fst |
| 20/05/2005 | 5:45 PM | 10,154,243 | 14164930.grd |
| 20/05/2005 | 5:44 PM | 25,677,988 | 14164930.non |
| 20/05/2005 | 5:45 PM | 6,485 | 14164932.fst |
| 20/05/2005 | 5:45 PM | 663,966 | 14164932.grd |
| 20/05/2005 | 5:45 PM | 977,736 | 14164932.non |
| 20/05/2005 | 5:33 PM | 82,142 | 14164938.fst |
| 20/05/2005 | 5:33 PM | 4,924,840 | 14164938.grd |
| 20/05/2005 | 5:33 PM | 6,345,381 | 14164938.non |
| 20/05/2005 | 5:32 PM | 2,340,688 | 14164940.fst |
| 20/05/2005 | 5:32 PM | 13,804,527 | 14164940.grd |
| 20/05/2005 | 5:31 PM | 20,035,391 | 14164940.non |
| 20/05/2005 | 5:30 PM | 1,540,792 | 14164942.fst |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 5:30 PM | 13,330,726 | 14164942.grd |
| 20/05/2005 | 5:30 PM | 28,070,107 | 14164942.non |
| 20/05/2005 | 5:29 PM | 1,641,499 | 14164944.fst |
| 20/05/2005 | 5:30 PM | 10,370,672 | 14164944.grd |
| 20/05/2005 | 5:29 PM | 27,815,168 | 14164944.non |
| 20/05/2005 | 5:28 PM | 863,163 | 14164946.fst |
| 20/05/2005 | 5:28 PM | 3,733,791 | 14164946.grd |
| 20/05/2005 | 5:28 PM | 9,026,659 | 14164946.non |
| 20/05/2005 | 6:33 PM | 992,043 | 14184912.grd |
| 20/05/2005 | 6:33 PM | 298,535 | 14184912.non |
| 20/05/2005 | 6:27 PM | 726,867 | 14184914.fst |
| 20/05/2005 | 6:27 PM | 19,465,944 | 14184914.grd |
| 20/05/2005 | 6:27 PM | 41,723,814 | 14184914.non |
| 20/05/2005 | 6:20 PM | 930,048 | 14184916.fst |
| 20/05/2005 | 6:20 PM | 11,705,703 | 14184916.grd |
| 20/05/2005 | 6:20 PM | 20,797,335 | 14184916.non |
| 20/05/2005 | 6:15 PM | 2,094,425 | 14184918.fst |
| 20/05/2005 | 6:15 PM | 13,891,261 | 14184918.grd |
| 20/05/2005 | 6:15 PM | 31,907,040 | 14184918.non |
| 20/05/2005 | 6:08 PM | 3,851,836 | 14184920.fst |
| 20/05/2005 | 6:09 PM | 21,210,662 | 14184920.grd |
| 20/05/2005 | 6:08 PM | 34,487,706 | 14184920.non |
| 20/05/2005 | 6:03 PM | 1,196,089 | 14184922.fst |
| 20/05/2005 | 6:03 PM | 11,291,728 | 14184922.grd |
| 20/05/2005 | 6:03 PM | 21,107,628 | 14184922.non |
| 20/05/2005 | 5:58 PM | 159,819 | 14184924.fst |
| 20/05/2005 | 5:58 PM | 1,671,606 | 14184924.grd |
| 20/05/2005 | 5:58 PM | 4,114,453 | 14184924.non |
| 20/05/2005 | 5:53 PM | 1,667,832 | 14184926.fst |
| 20/05/2005 | 5:53 PM | 13,426,162 | 14184926.grd |
| 20/05/2005 | 5:53 PM | 55,835,878 | 14184926.non |
| 20/05/2005 | 5:48 PM | 1,647,347 | 14184928.fst |
| 20/05/2005 | 5:49 PM | 22,725,244 | 14184928.grd |
| 20/05/2005 | 5:48 PM | 77,846,804 | 14184928.non |
| 20/05/2005 | 5:47 PM | 4,535 | 14184930.fst |
| 20/05/2005 | 5:47 PM | 320,975 | 14184930.grd |
| 20/05/2005 | 5:47 PM | 820,268 | 14184930.non |
| 20/05/2005 | 5:31 PM | 52,105 | 14184942.fst |
| 20/05/2005 | 5:31 PM | 1,337,790 | 14184942.grd |
| 20/05/2005 | 5:31 PM | 4,762,633 | 14184942.non |
| 20/05/2005 | 5:30 PM | 293,290 | 14184944.fst |
| 20/05/2005 | 5:30 PM | 400,694 | 14184944.grd |
| 20/05/2005 | 5:30 PM | 1,918,650 | 14184944.non |
| 20/05/2005 | 5:28 PM | 2,813,480 | 14184946.fst |
| 20/05/2005 | 5:28 PM | 11,670,486 | 14184946.grd |
| 20/05/2005 | 5:28 PM | 25,106,990 | 14184946.non |
| 20/05/2005 | 6:33 PM | 69,290 | 14204912.grd |
| 20/05/2005 | 6:33 PM | 11,429 | 14204912.non |
| 20/05/2005 | 6:27 PM | 57,461 | 14204914.fst |
| 20/05/2005 | 6:28 PM | 4,730,671 | 14204914.grd |
| 20/05/2005 | 6:27 PM | 5,157,790 | 14204914.non |
| 20/05/2005 | 6:21 PM | 89,890 | 14204916.fst |
| 20/05/2005 | 6:21 PM | 3,244,681 | 14204916.grd |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 6:21 PM | 11,233,802 | 14204916.non |
| 20/05/2005 | 6:15 PM | 1,379,322 | 14204918.fst |
| 20/05/2005 | 6:16 PM | 22,670,631 | 14204918.grd |
| 20/05/2005 | 6:15 PM | 31,780,383 | 14204918.non |
| 20/05/2005 | 6:10 PM | 1,087,408 | 14204920.fst |
| 20/05/2005 | 6:10 PM | 17,706,147 | 14204920.grd |
| 20/05/2005 | 6:10 PM | 35,176,419 | 14204920.non |
| 20/05/2005 | 6:04 PM | 2,220,158 | 14204922.fst |
| 20/05/2005 | 6:04 PM | 24,289,195 | 14204922.grd |
| 20/05/2005 | 6:04 PM | 32,972,929 | 14204922.non |
| 20/05/2005 | 5:58 PM | 1,264,113 | 14204924.fst |
| 20/05/2005 | 5:59 PM | 11,968,102 | 14204924.grd |
| 20/05/2005 | 5:58 PM | 25,772,034 | 14204924.non |
| 20/05/2005 | 5:53 PM | 406,703 | 14204926.fst |
| 20/05/2005 | 5:53 PM | 2,559,018 | 14204926.grd |
| 20/05/2005 | 5:53 PM | 17,282,982 | 14204926.non |
| 20/05/2005 | 5:50 PM | 2,645,572 | 14204928.fst |
| 20/05/2005 | 5:50 PM | 14,025,921 | 14204928.grd |
| 20/05/2005 | 5:50 PM | 79,589,672 | 14204928.non |
| 20/05/2005 | 5:51 PM | 5,882 | 14204930.fst |
| 20/05/2005 | 5:51 PM | 884,837 | 14204930.grd |
| 20/05/2005 | 5:50 PM | 1,243,912 | 14204930.non |
| 20/05/2005 | 5:30 PM | 4,693 | 14204944.fst |
| 20/05/2005 | 5:30 PM | 755,606 | 14204944.grd |
| 20/05/2005 | 5:30 PM | 1,634,038 | 14204944.non |
| 20/05/2005 | 5:29 PM | 1,096,181 | 14204946.fst |
| 20/05/2005 | 5:29 PM | 16,211,726 | 14204946.grd |
| 20/05/2005 | 5:29 PM | 21,124,902 | 14204946.non |
| 20/05/2005 | 5:27 PM | 574,754 | 14204948.fst |
| 20/05/2005 | 5:27 PM | 9,763,311 | 14204948.grd |
| 20/05/2005 | 5:27 PM | 10,874,186 | 14204948.non |
| 20/05/2005 | 5:26 PM | 4,481 | 14204950.fst |
| 20/05/2005 | 5:26 PM | 5,730,300 | 14204950.grd |
| 20/05/2005 | 5:26 PM | 6,485,498 | 14204950.non |
| 20/05/2005 | 5:25 PM | 35 | 14204952.fst |
| 20/05/2005 | 5:25 PM | 874,664 | 14204952.grd |
| 20/05/2005 | 5:25 PM | 1,021,499 | 14204952.non |
| 20/05/2005 | 6:21 PM | 26,818 | 14224916.fst |
| 20/05/2005 | 6:21 PM | 13,463,106 | 14224916.grd |
| 20/05/2005 | 6:21 PM | 19,098,068 | 14224916.non |
| 20/05/2005 | 6:16 PM | 768,637 | 14224918.fst |
| 20/05/2005 | 6:17 PM | 25,878,513 | 14224918.grd |
| 20/05/2005 | 6:16 PM | 29,843,422 | 14224918.non |
| 20/05/2005 | 6:11 PM | 1,268,714 | 14224920.fst |
| 20/05/2005 | 6:11 PM | 17,799,836 | 14224920.grd |
| 20/05/2005 | 6:11 PM | 36,737,330 | 14224920.non |
| 20/05/2005 | 6:05 PM | 2,211,887 | 14224922.fst |
| 20/05/2005 | 6:05 PM | 20,431,921 | 14224922.grd |
| 20/05/2005 | 6:05 PM | 39,599,841 | 14224922.non |
| 20/05/2005 | 6:00 PM | 1,413,042 | 14224924.fst |
| 20/05/2005 | 6:00 PM | 23,027,139 | 14224924.grd |
| 20/05/2005 | 6:00 PM | 61,464,642 | 14224924.non |
| 20/05/2005 | 5:54 PM | 618,983 | 14224926.fst |

OTAGO REGIONAL COUNCIL

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| 20/05/2005 | 5:55 PM | 11,025,427 | 14224926.grd |
| 20/05/2005 | 5:54 PM | 58,289,991 | 14224926.non |
| 20/05/2005 | 5:51 PM | 28,835 | 14224928.fst |
| 20/05/2005 | 5:51 PM | 2,458,487 | 14224928.grd |
| 20/05/2005 | 5:51 PM | 17,429,632 | 14224928.non |
| 20/05/2005 | 5:29 PM | 804 | 14224946.fst |
| 20/05/2005 | 5:29 PM | 90,736 | 14224946.grd |
| 20/05/2005 | 5:29 PM | 204,811 | 14224946.non |
| 20/05/2005 | 5:27 PM | 233,370 | 14224948.fst |
| 20/05/2005 | 5:27 PM | 9,453,686 | 14224948.grd |
| 20/05/2005 | 5:27 PM | 6,408,803 | 14224948.non |
| 20/05/2005 | 5:27 PM | 22,288 | 14224950.fst |
| 20/05/2005 | 5:27 PM | 10,323,822 | 14224950.grd |
| 20/05/2005 | 5:27 PM | 11,029,134 | 14224950.non |
| 20/05/2005 | 5:26 PM | 175,332 | 14224952.fst |
| 20/05/2005 | 5:26 PM | 16,327,975 | 14224952.grd |
| 20/05/2005 | 5:26 PM | 19,531,311 | 14224952.non |
| 20/05/2005 | 5:24 PM | 760,491 | 14224954.fst |
| 20/05/2005 | 5:24 PM | 8,227,125 | 14224954.grd |
| 20/05/2005 | 5:24 PM | 9,989,824 | 14224954.non |
| 20/05/2005 | 5:23 PM | 115,496 | 14224956.fst |
| 20/05/2005 | 5:23 PM | 234,184 | 14224956.grd |
| 20/05/2005 | 5:23 PM | 135,567 | 14224956.non |
| 20/05/2005 | 6:21 PM | 57,427 | 14244916.fst |
| 20/05/2005 | 6:21 PM | 7,745,642 | 14244916.grd |
| 20/05/2005 | 6:21 PM | 9,133,713 | 14244916.non |
| 20/05/2005 | 6:17 PM | 232,536 | 14244918.fst |
| 20/05/2005 | 6:17 PM | 12,187,730 | 14244918.grd |
| 20/05/2005 | 6:17 PM | 17,329,688 | 14244918.non |
| 20/05/2005 | 6:11 PM | 38,992 | 14244920.fst |
| 20/05/2005 | 6:11 PM | 3,228,591 | 14244920.grd |
| 20/05/2005 | 6:11 PM | 8,847,953 | 14244920.non |
| 20/05/2005 | 6:05 PM | 6,128 | 14244922.fst |
| 20/05/2005 | 6:05 PM | 623,536 | 14244922.grd |
| 20/05/2005 | 6:05 PM | 6,606,381 | 14244922.non |
| 20/05/2005 | 6:01 PM | 232,119 | 14244924.fst |
| 20/05/2005 | 6:01 PM | 11,632,740 | 14244924.grd |
| 20/05/2005 | 6:01 PM | 46,263,931 | 14244924.non |
| 20/05/2005 | 5:55 PM | 192,290 | 14244926.fst |
| 20/05/2005 | 5:55 PM | 8,139,353 | 14244926.grd |
| 20/05/2005 | 5:55 PM | 37,761,991 | 14244926.non |
| 20/05/2005 | 5:56 PM | 8,091 | 14244928.fst |
| 20/05/2005 | 5:56 PM | 332,147 | 14244928.grd |
| 20/05/2005 | 5:56 PM | 2,979,988 | 14244928.non |
| 20/05/2005 | 5:26 PM | 900 | 14244952.fst |
| 20/05/2005 | 5:26 PM | 325,852 | 14244952.grd |
| 20/05/2005 | 5:26 PM | 222,588 | 14244952.non |
| 20/05/2005 | 5:25 PM | 475,953 | 14244954.fst |
| 20/05/2005 | 5:25 PM | 9,754,368 | 14244954.grd |
| 20/05/2005 | 5:25 PM | 11,108,435 | 14244954.non |
| 20/05/2005 | 5:22 PM | 3,222,102 | 14244956.fst |
| 20/05/2005 | 5:23 PM | 13,985,596 | 14244956.grd |
| 20/05/2005 | 5:22 PM | 22,494,263 | 14244956.non |

OTAGO REGIONAL COUNCIL

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| 20/05/2005 | 5:20 PM | 508,570 | 14244958.fst |
| 20/05/2005 | 5:20 PM | 1,592,097 | 14244958.grd |
| 20/05/2005 | 5:20 PM | 1,988,722 | 14244958.non |
| 20/05/2005 | 5:25 PM | 22,388 | 14264956.fst |
| 20/05/2005 | 5:25 PM | 4,879,536 | 14264956.grd |
| 20/05/2005 | 5:25 PM | 5,919,624 | 14264956.non |
| 20/05/2005 | 5:23 PM | 1,666,567 | 14264958.fst |
| 20/05/2005 | 5:24 PM | 16,936,950 | 14264958.grd |
| 20/05/2005 | 5:23 PM | 26,590,185 | 14264958.non |
| 20/05/2005 | 5:20 PM | 53,374 | 14264960.fst |
| 20/05/2005 | 5:20 PM | 4,689,503 | 14264960.grd |
| 20/05/2005 | 5:20 PM | 9,221,157 | 14264960.non |
| 20/05/2005 | 5:18 PM | 2,278,472 | 14264962.fst |
| 20/05/2005 | 5:18 PM | 1,587,708 | 14264962.grd |
| 20/05/2005 | 5:18 PM | 9,127,991 | 14264962.non |
| 20/05/2005 | 5:18 PM | 4,324,137 | 14264964.fst |
| 20/05/2005 | 5:18 PM | 2,352,101 | 14264964.grd |
| 20/05/2005 | 5:18 PM | 16,081,776 | 14264964.non |
| 20/05/2005 | 5:15 PM | 147 | 14264966.fst |
| 20/05/2005 | 5:15 PM | 346,923 | 14264966.grd |
| 20/05/2005 | 5:15 PM | 178,488 | 14264966.non |
| 20/05/2005 | 5:24 PM | 162,514 | 14284958.fst |
| 20/05/2005 | 5:24 PM | 1,987,298 | 14284958.grd |
| 20/05/2005 | 5:24 PM | 9,354,551 | 14284958.non |
| 20/05/2005 | 5:21 PM | 166,367 | 14284960.fst |
| 20/05/2005 | 5:21 PM | 14,062,543 | 14284960.grd |
| 20/05/2005 | 5:21 PM | 45,974,985 | 14284960.non |
| 20/05/2005 | 5:19 PM | 3,522,139 | 14284962.fst |
| 20/05/2005 | 5:19 PM | 11,179,352 | 14284962.grd |
| 20/05/2005 | 5:19 PM | 54,624,833 | 14284962.non |
| 20/05/2005 | 5:17 PM | 9,770,202 | 14284964.fst |
| 20/05/2005 | 5:17 PM | 7,919,727 | 14284964.grd |
| 20/05/2005 | 5:17 PM | 47,855,919 | 14284964.non |
| 20/05/2005 | 5:15 PM | 465,133 | 14284966.fst |
| 20/05/2005 | 5:15 PM | 14,230,231 | 14284966.grd |
| 20/05/2005 | 5:15 PM | 25,553,348 | 14284966.non |
| 20/05/2005 | 5:14 PM | 347,504 | 14284968.fst |
| 20/05/2005 | 5:14 PM | 14,465,881 | 14284968.grd |
| 20/05/2005 | 5:14 PM | 17,012,332 | 14284968.non |
| 20/05/2005 | 5:12 PM | 273,466 | 14284970.fst |
| 20/05/2005 | 5:12 PM | 5,374,028 | 14284970.grd |
| 20/05/2005 | 5:12 PM | 5,461,773 | 14284970.non |
| 20/05/2005 | 5:11 PM | 110 | 14284972.fst |
| 20/05/2005 | 5:11 PM | 539,281 | 14284972.grd |
| 20/05/2005 | 5:11 PM | 714,506 | 14284972.non |
| 20/05/2005 | 5:10 PM | 434,174 | 14284974.fst |
| 20/05/2005 | 5:10 PM | 8,260,950 | 14284974.grd |
| 20/05/2005 | 5:10 PM | 10,946,861 | 14284974.non |
| 20/05/2005 | 5:10 PM | 316,482 | 14284976.fst |
| 20/05/2005 | 5:10 PM | 3,788,385 | 14284976.grd |
| 20/05/2005 | 5:10 PM | 6,174,516 | 14284976.non |
| 20/05/2005 | 5:09 PM | 357,255 | 14284978.fst |
| 20/05/2005 | 5:09 PM | 2,796,570 | 14284978.grd |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 5:09 PM | 5,581,690 | 14284978.non |
| 20/05/2005 | 5:09 PM | 1,199,520 | 14284980.fst |
| 20/05/2005 | 5:09 PM | 7,315,298 | 14284980.grd |
| 20/05/2005 | 5:09 PM | 22,475,550 | 14284980.non |
| 20/05/2005 | 5:08 PM | 137,123 | 14284982.fst |
| 20/05/2005 | 5:08 PM | 3,754,821 | 14284982.grd |
| 20/05/2005 | 5:08 PM | 4,425,861 | 14284982.non |
| 20/05/2005 | 5:22 PM | 2,652 | 14304960.fst |
| 20/05/2005 | 5:22 PM | 508,899 | 14304960.grd |
| 20/05/2005 | 5:22 PM | 2,947,515 | 14304960.non |
| 20/05/2005 | 5:20 PM | 48,606 | 14304962.fst |
| 20/05/2005 | 5:20 PM | 2,219,728 | 14304962.grd |
| 20/05/2005 | 5:20 PM | 7,378,699 | 14304962.non |
| 20/05/2005 | 5:14 PM | 2,467 | 14304968.fst |
| 20/05/2005 | 5:14 PM | 1,988,545 | 14304968.grd |
| 20/05/2005 | 5:14 PM | 4,528,152 | 14304968.non |
| 20/05/2005 | 5:13 PM | 922,125 | 14304970.fst |
| 20/05/2005 | 5:13 PM | 16,128,400 | 14304970.grd |
| 20/05/2005 | 5:13 PM | 24,312,645 | 14304970.non |
| 20/05/2005 | 5:11 PM | 1,236,157 | 14304972.fst |
| 20/05/2005 | 5:12 PM | 18,418,893 | 14304972.grd |
| 20/05/2005 | 5:11 PM | 18,447,803 | 14304972.non |
| 20/05/2005 | 5:10 PM | 1,826,238 | 14304974.fst |
| 20/05/2005 | 5:10 PM | 9,185,456 | 14304974.grd |
| 20/05/2005 | 5:10 PM | 17,354,730 | 14304974.non |
| 20/05/2005 | 5:09 PM | 25,427 | 14304980.fst |
| 20/05/2005 | 5:09 PM | 1,115,554 | 14304980.grd |
| 20/05/2005 | 5:09 PM | 3,539,295 | 14304980.non |
| 20/05/2005 | 5:08 PM | 201,687 | 14304982.fst |
| 20/05/2005 | 5:09 PM | 8,417,952 | 14304982.grd |
| 20/05/2005 | 5:08 PM | 11,710,342 | 14304982.non |
| 20/05/2005 | 5:08 PM | 659,087 | 14304984.fst |
| 20/05/2005 | 5:08 PM | 15,464,921 | 14304984.grd |
| 20/05/2005 | 5:08 PM | 19,181,683 | 14304984.non |
| 20/05/2005 | 5:07 PM | 496,655 | 14304986.fst |
| 20/05/2005 | 5:07 PM | 11,529,893 | 14304986.grd |
| 20/05/2005 | 5:07 PM | 16,988,760 | 14304986.non |
| 20/05/2005 | 5:06 PM | 298,054 | 14304988.fst |
| 20/05/2005 | 5:06 PM | 7,581,157 | 14304988.grd |
| 20/05/2005 | 5:06 PM | 8,233,221 | 14304988.non |
| 20/05/2005 | 5:05 PM | 405 | 14304990.fst |
| 20/05/2005 | 5:05 PM | 199,093 | 14304990.grd |
| 20/05/2005 | 5:05 PM | 248,540 | 14304990.non |
| 20/05/2005 | 5:13 PM | 10,752 | 14324970.fst |
| 20/05/2005 | 5:14 PM | 5,002,276 | 14324970.grd |
| 20/05/2005 | 5:13 PM | 10,943,889 | 14324970.non |
| 20/05/2005 | 5:12 PM | 93,886 | 14324972.fst |
| 20/05/2005 | 5:12 PM | 11,095,387 | 14324972.grd |
| 20/05/2005 | 5:12 PM | 20,666,467 | 14324972.non |
| 20/05/2005 | 5:11 PM | 145,560 | 14324974.fst |
| 20/05/2005 | 5:11 PM | 4,519,274 | 14324974.grd |
| 20/05/2005 | 5:11 PM | 7,891,791 | 14324974.non |
| 20/05/2005 | 5:08 PM | 43,650 | 14324984.fst |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 5:08 PM | 1,234,629 | 14324984.grd |
| 20/05/2005 | 5:08 PM | 1,975,389 | 14324984.non |
| 20/05/2005 | 5:07 PM | 5,567 | 14324986.fst |
| 20/05/2005 | 5:07 PM | 2,337,998 | 14324986.grd |
| 20/05/2005 | 5:07 PM | 5,738,796 | 14324986.non |
| 20/05/2005 | 5:07 PM | 286,287 | 14324988.fst |
| 20/05/2005 | 5:07 PM | 7,766,096 | 14324988.grd |
| 20/05/2005 | 5:07 PM | 14,024,860 | 14324988.non |
| 20/05/2005 | 5:06 PM | 345,486 | 14324990.fst |
| 20/05/2005 | 5:06 PM | 14,722,345 | 14324990.grd |
| 20/05/2005 | 5:06 PM | 21,866,147 | 14324990.non |
| 20/05/2005 | 5:05 PM | 445,038 | 14324992.fst |
| 20/05/2005 | 5:05 PM | 8,972,373 | 14324992.grd |
| 20/05/2005 | 5:05 PM | 11,471,326 | 14324992.non |
| 20/05/2005 | 5:04 PM | 40,129 | 14324994.fst |
| 20/05/2005 | 5:04 PM | 919,903 | 14324994.grd |
| 20/05/2005 | 5:04 PM | 576,755 | 14324994.non |
| 20/05/2005 | 5:06 PM | 286 | 14344990.fst |
| 20/05/2005 | 5:06 PM | 478,972 | 14344990.grd |
| 20/05/2005 | 5:06 PM | 318,284 | 14344990.non |
| 20/05/2005 | 5:05 PM | 336,651 | 14344992.fst |
| 20/05/2005 | 5:05 PM | 6,308,345 | 14344992.grd |
| 20/05/2005 | 5:05 PM | 15,108,471 | 14344992.non |
| 20/05/2005 | 5:04 PM | 657,562 | 14344994.fst |
| 20/05/2005 | 5:05 PM | 11,238,350 | 14344994.grd |
| 20/05/2005 | 5:04 PM | 19,471,507 | 14344994.non |
| 20/05/2005 | 5:04 PM | 60,798 | 14344996.fst |
| 20/05/2005 | 5:04 PM | 7,063,038 | 14344996.grd |
| 20/05/2005 | 5:04 PM | 7,926,794 | 14344996.non |
| 20/05/2005 | 5:03 PM | 37 | 14344998.fst |
| 20/05/2005 | 5:03 PM | 115,429 | 14344998.grd |
| 20/05/2005 | 5:03 PM | 109,398 | 14344998.non |
| 20/05/2005 | 5:04 PM | 16,548 | 14364996.fst |
| 20/05/2005 | 5:04 PM | 2,893,923 | 14364996.grd |
| 20/05/2005 | 5:04 PM | 5,591,490 | 14364996.non |
| 20/05/2005 | 5:03 PM | 122,270 | 14364998.fst |
| 20/05/2005 | 5:03 PM | 11,363,057 | 14364998.grd |
| 20/05/2005 | 5:03 PM | 14,128,614 | 14364998.non |
| 20/05/2005 | 5:02 PM | 430,965 | 14365000.fst |
| 20/05/2005 | 5:02 PM | 3,526,590 | 14365000.grd |
| 20/05/2005 | 5:02 PM | 4,005,326 | 14365000.non |
| 20/05/2005 | 5:03 PM | 18,886 | 14384998.fst |
| 20/05/2005 | 5:03 PM | 1,018,622 | 14384998.grd |
| 20/05/2005 | 5:03 PM | 2,708,398 | 14384998.non |
| 20/05/2005 | 5:02 PM | 1,319,385 | 14385000.fst |
| 20/05/2005 | 5:03 PM | 15,058,293 | 14385000.grd |
| 20/05/2005 | 5:02 PM | 21,346,380 | 14385000.non |
| 20/05/2005 | 5:01 PM | 1,260,937 | 14385002.fst |
| 20/05/2005 | 5:01 PM | 7,012,331 | 14385002.grd |
| 20/05/2005 | 5:01 PM | 15,012,172 | 14385002.non |
| 20/05/2005 | 5:01 PM | 582,546 | 14385004.fst |
| 20/05/2005 | 5:01 PM | 1,584,475 | 14385004.grd |
| 20/05/2005 | 5:01 PM | 2,741,958 | 14385004.non |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 5:03 PM | 115,307 | 14405000.fst |
| 20/05/2005 | 5:03 PM | 6,259,279 | 14405000.grd |
| 20/05/2005 | 5:03 PM | 6,764,585 | 14405000.non |
| 20/05/2005 | 5:01 PM | 2,231,582 | 14405002.fst |
| 20/05/2005 | 5:02 PM | 8,351,976 | 14405002.grd |
| 20/05/2005 | 5:01 PM | 21,154,209 | 14405002.non |
| 20/05/2005 | 5:00 PM | 868,509 | 14405004.fst |
| 20/05/2005 | 5:00 PM | 8,493,099 | 14405004.grd |
| 20/05/2005 | 5:00 PM | 23,144,315 | 14405004.non |
| 20/05/2005 | 4:59 PM | 454,204 | 14405006.fst |
| 20/05/2005 | 4:59 PM | 5,704,788 | 14405006.grd |
| 20/05/2005 | 4:59 PM | 13,720,544 | 14405006.non |
| 20/05/2005 | 5:01 PM | 891 | 14425004.non |
| 20/05/2005 | 5:00 PM | 881,061 | 14425006.fst |
| 20/05/2005 | 5:00 PM | 9,183,589 | 14425006.grd |
| 20/05/2005 | 5:00 PM | 23,594,387 | 14425006.non |
| 20/05/2005 | 4:58 PM | 566,671 | 14425008.fst |
| 20/05/2005 | 4:58 PM | 6,747,826 | 14425008.grd |
| 20/05/2005 | 4:58 PM | 12,239,927 | 14425008.non |
| 20/05/2005 | 5:00 PM | 149 | 14445006.fst |
| 20/05/2005 | 5:00 PM | 93,149 | 14445006.grd |
| 20/05/2005 | 5:00 PM | 440,737 | 14445006.non |
| 20/05/2005 | 4:58 PM | 523,484 | 14445008.fst |
| 20/05/2005 | 4:59 PM | 11,364,633 | 14445008.grd |
| 20/05/2005 | 4:58 PM | 22,495,437 | 14445008.non |
| 20/05/2005 | 4:57 PM | 117,357 | 14445010.fst |
| 20/05/2005 | 4:57 PM | 5,613,618 | 14445010.grd |
| 20/05/2005 | 4:57 PM | 9,626,758 | 14445010.non |
| 20/05/2005 | 4:59 PM | 1,032 | 14465008.fst |
| 20/05/2005 | 4:59 PM | 179,607 | 14465008.grd |
| 20/05/2005 | 4:59 PM | 437,338 | 14465008.non |
| 20/05/2005 | 4:57 PM | 408,656 | 14465010.fst |
| 20/05/2005 | 4:58 PM | 10,450,134 | 14465010.grd |
| 20/05/2005 | 4:57 PM | 19,611,906 | 14465010.non |
| 20/05/2005 | 4:56 PM | 255,852 | 14465012.fst |
| 20/05/2005 | 4:56 PM | 5,524,434 | 14465012.grd |
| 20/05/2005 | 4:56 PM | 8,427,783 | 14465012.non |
| 20/05/2005 | 4:58 PM | 9,577 | 14485010.grd |
| 20/05/2005 | 4:58 PM | 70,606 | 14485010.non |
| 20/05/2005 | 4:56 PM | 689,577 | 14485012.fst |
| 20/05/2005 | 4:57 PM | 7,844,587 | 14485012.grd |
| 20/05/2005 | 4:56 PM | 14,509,920 | 14485012.non |
| 20/05/2005 | 4:55 PM | 869,218 | 14485014.fst |
| 20/05/2005 | 4:56 PM | 11,007,621 | 14485014.grd |
| 20/05/2005 | 4:55 PM | 18,495,270 | 14485014.non |
| 20/05/2005 | 4:55 PM | 39,253 | 14485016.fst |
| 20/05/2005 | 4:55 PM | 1,477,680 | 14485016.grd |
| 20/05/2005 | 4:55 PM | 1,512,112 | 14485016.non |
| 20/05/2005 | 4:56 PM | 100,201 | 14505014.fst |
| 20/05/2005 | 4:56 PM | 3,083,858 | 14505014.grd |
| 20/05/2005 | 4:56 PM | 7,072,609 | 14505014.non |
| 20/05/2005 | 4:55 PM | 824,291 | 14505016.fst |
| 20/05/2005 | 4:55 PM | 11,832,460 | 14505016.grd |

OTAGO REGIONAL COUNCIL

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|------------|---------|------------|--------------|
| 20/05/2005 | 4:55 PM | 22,741,404 | 14505016.non |
| 20/05/2005 | 4:54 PM | 674,649 | 14505018.fst |
| 20/05/2005 | 4:54 PM | 7,735,683 | 14505018.grd |
| 20/05/2005 | 4:54 PM | 11,692,975 | 14505018.non |
| 20/05/2005 | 4:53 PM | 19,686 | 14505020.fst |
| 20/05/2005 | 4:53 PM | 280,824 | 14505020.grd |
| 20/05/2005 | 4:53 PM | 242,798 | 14505020.non |
| 20/05/2005 | 4:54 PM | 292,737 | 14525018.fst |
| 20/05/2005 | 4:54 PM | 3,597,373 | 14525018.grd |
| 20/05/2005 | 4:54 PM | 8,063,503 | 14525018.non |
| 20/05/2005 | 4:53 PM | 544,287 | 14525020.fst |
| 20/05/2005 | 4:53 PM | 8,762,180 | 14525020.grd |
| 20/05/2005 | 4:53 PM | 13,125,573 | 14525020.non |
| 20/05/2005 | 4:53 PM | 143 | 14525022.fst |
| 20/05/2005 | 4:53 PM | 600,284 | 14525022.grd |
| 20/05/2005 | 4:53 PM | 780,314 | 14525022.non |

COASTLINE INTENSITY

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| 24/05/2005 | 5:02 PM | 12,000,324 | 13124830.tif |
| 24/05/2005 | 5:05 PM | 61 | 13144828.tfw |
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| 24/05/2005 | 5:05 PM | 12,000,324 | 13164828.tif |
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| 24/05/2005 | 5:03 PM | 12,000,324 | 13164830.tif |
| 24/05/2005 | 5:05 PM | 61 | 13184828.tfw |
| 24/05/2005 | 5:05 PM | 12,000,324 | 13184828.tif |
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| 24/05/2005 | 5:04 PM | 12,000,324 | 13184830.tif |
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| 24/05/2005 | 5:05 PM | 12,000,324 | 13204828.tif |
| 24/05/2005 | 5:03 PM | 61 | 13204830.tfw |
| 24/05/2005 | 5:03 PM | 12,000,324 | 13204830.tif |
| 24/05/2005 | 5:03 PM | 61 | 13204832.tfw |
| 24/05/2005 | 5:03 PM | 12,000,324 | 13204832.tif |
| 24/05/2005 | 5:04 PM | 61 | 13224830.tfw |
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| 24/05/2005 | 5:02 PM | 61 | 13224832.tfw |
| 24/05/2005 | 5:02 PM | 12,000,324 | 13224832.tif |
| 24/05/2005 | 5:04 PM | 61 | 13244830.tfw |
| 24/05/2005 | 5:04 PM | 12,000,324 | 13244830.tif |
| 24/05/2005 | 5:02 PM | 61 | 13244832.tfw |
| 24/05/2005 | 5:02 PM | 12,000,324 | 13244832.tif |
| 24/05/2005 | 5:00 PM | 61 | 13244834.tfw |
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| 24/05/2005 | 5:04 PM | 61 | 13264830.tfw |
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| 24/05/2005 | 5:02 PM | 61 | 13264832.tfw |
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| 24/05/2005 | 5:00 PM | 61 | 13264834.tfw |

Geo-reference text file
Tif Image file

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| 24/05/2005 | 5:01 PM | 12,000,324 | 13264836.tif |
| 24/05/2005 | 5:01 PM | 61 | 13284834.tfw |
| 24/05/2005 | 5:01 PM | 12,000,324 | 13284834.tif |
| 24/05/2005 | 4:59 PM | 61 | 13284836.tfw |
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| 24/05/2005 | 4:52 PM | 12,000,324 | 13524848.tif |
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| 24/05/2005 | 4:49 PM | 12,000,324 | 13524852.tif |
| 24/05/2005 | 4:48 PM | 61 | 13524854.tfw |
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OTAGO REGIONAL COUNCIL

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| 24/05/2005 | 4:43 PM | 12,000,324 | 13644870.tif |
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OTAGO REGIONAL COUNCIL

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OTAGO REGIONAL COUNCIL

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OTAGO REGIONAL COUNCIL

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| 24/05/2005 | 4:27 PM | 61 | 14084912.tfw |
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| 24/05/2005 | 4:23 PM | 61 | 14084914.tfw |
| 24/05/2005 | 4:23 PM | 12,000,324 | 14084914.tif |
| 24/05/2005 | 4:20 PM | 61 | 14084916.tfw |
| 24/05/2005 | 4:20 PM | 12,000,324 | 14084916.tif |
| 24/05/2005 | 4:17 PM | 61 | 14084918.tfw |
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| 24/05/2005 | 4:04 PM | 61 | 14084928.tfw |
| 24/05/2005 | 4:04 PM | 12,000,324 | 14084928.tif |
| 24/05/2005 | 4:03 PM | 61 | 14084930.tfw |
| 24/05/2005 | 4:03 PM | 12,000,324 | 14084930.tif |
| 24/05/2005 | 4:01 PM | 61 | 14084932.tfw |
| 24/05/2005 | 4:01 PM | 12,000,324 | 14084932.tif |
| 24/05/2005 | 4:02 PM | 61 | 14084934.tfw |
| 24/05/2005 | 4:02 PM | 12,000,324 | 14084934.tif |
| 24/05/2005 | 4:27 PM | 61 | 14104912.tfw |
| 24/05/2005 | 4:27 PM | 12,000,324 | 14104912.tif |
| 24/05/2005 | 4:24 PM | 61 | 14104914.tfw |
| 24/05/2005 | 4:24 PM | 12,000,324 | 14104914.tif |
| 24/05/2005 | 4:20 PM | 61 | 14104916.tfw |
| 24/05/2005 | 4:20 PM | 12,000,324 | 14104916.tif |
| 24/05/2005 | 4:17 PM | 61 | 14104918.tfw |
| 24/05/2005 | 4:17 PM | 12,000,324 | 14104918.tif |
| 24/05/2005 | 4:14 PM | 61 | 14104920.tfw |
| 24/05/2005 | 4:14 PM | 12,000,324 | 14104920.tif |
| 24/05/2005 | 4:11 PM | 61 | 14104922.tfw |
| 24/05/2005 | 4:11 PM | 12,000,324 | 14104922.tif |
| 24/05/2005 | 4:05 PM | 61 | 14104928.tfw |
| 24/05/2005 | 4:05 PM | 12,000,324 | 14104928.tif |
| 24/05/2005 | 4:03 PM | 61 | 14104930.tfw |
| 24/05/2005 | 4:03 PM | 12,000,324 | 14104930.tif |
| 24/05/2005 | 4:01 PM | 61 | 14104932.tfw |
| 24/05/2005 | 4:01 PM | 12,000,324 | 14104932.tif |
| 24/05/2005 | 4:00 PM | 61 | 14104934.tfw |
| 24/05/2005 | 4:00 PM | 12,000,324 | 14104934.tif |
| 24/05/2005 | 4:00 PM | 61 | 14104936.tfw |
| 24/05/2005 | 4:00 PM | 12,000,324 | 14104936.tif |
| 24/05/2005 | 4:27 PM | 61 | 14124912.tfw |

OTAGO REGIONAL COUNCIL

| | | | |
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| 24/05/2005 | 4:27 PM | 12,000,324 | 14124912.tif |
| 24/05/2005 | 4:24 PM | 61 | 14124914.tfw |
| 24/05/2005 | 4:24 PM | 12,000,324 | 14124914.tif |
| 24/05/2005 | 4:21 PM | 61 | 14124916.tfw |
| 24/05/2005 | 4:21 PM | 12,000,324 | 14124916.tif |
| 24/05/2005 | 4:17 PM | 61 | 14124918.tfw |
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| 24/05/2005 | 4:14 PM | 61 | 14124920.tfw |
| 24/05/2005 | 4:14 PM | 12,000,324 | 14124920.tif |
| 24/05/2005 | 4:12 PM | 61 | 14124922.tfw |
| 24/05/2005 | 4:12 PM | 12,000,324 | 14124922.tif |
| 24/05/2005 | 4:09 PM | 61 | 14124924.tfw |
| 24/05/2005 | 4:09 PM | 12,000,324 | 14124924.tif |
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| 24/05/2005 | 4:05 PM | 12,000,324 | 14124928.tif |
| 24/05/2005 | 4:03 PM | 61 | 14124930.tfw |
| 24/05/2005 | 4:03 PM | 12,000,324 | 14124930.tif |
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| 24/05/2005 | 4:02 PM | 12,000,324 | 14124932.tif |
| 24/05/2005 | 4:01 PM | 61 | 14124934.tfw |
| 24/05/2005 | 4:01 PM | 12,000,324 | 14124934.tif |
| 24/05/2005 | 4:00 PM | 61 | 14124936.tfw |
| 24/05/2005 | 4:00 PM | 12,000,324 | 14124936.tif |
| 24/05/2005 | 3:59 PM | 61 | 14124938.tfw |
| 24/05/2005 | 3:59 PM | 12,000,324 | 14124938.tif |
| 24/05/2005 | 4:24 PM | 61 | 14144914.tfw |
| 24/05/2005 | 4:24 PM | 12,000,324 | 14144914.tif |
| 24/05/2005 | 4:21 PM | 61 | 14144916.tfw |
| 24/05/2005 | 4:21 PM | 12,000,324 | 14144916.tif |
| 24/05/2005 | 4:18 PM | 61 | 14144918.tfw |
| 24/05/2005 | 4:18 PM | 12,000,324 | 14144918.tif |
| 24/05/2005 | 4:14 PM | 61 | 14144920.tfw |
| 24/05/2005 | 4:14 PM | 12,000,324 | 14144920.tif |
| 24/05/2005 | 4:12 PM | 61 | 14144922.tfw |
| 24/05/2005 | 4:12 PM | 12,000,324 | 14144922.tif |
| 24/05/2005 | 4:09 PM | 61 | 14144924.tfw |
| 24/05/2005 | 4:09 PM | 12,000,324 | 14144924.tif |
| 24/05/2005 | 4:10 PM | 61 | 14144926.tfw |
| 24/05/2005 | 4:10 PM | 12,000,324 | 14144926.tif |
| 24/05/2005 | 4:05 PM | 61 | 14144928.tfw |
| 24/05/2005 | 4:05 PM | 12,000,324 | 14144928.tif |
| 24/05/2005 | 4:04 PM | 61 | 14144930.tfw |
| 24/05/2005 | 4:04 PM | 12,000,324 | 14144930.tif |
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| 24/05/2005 | 4:02 PM | 12,000,324 | 14144932.tif |
| 24/05/2005 | 4:00 PM | 61 | 14144936.tfw |
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| 24/05/2005 | 3:59 PM | 61 | 14144938.tfw |
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| 24/05/2005 | 3:58 PM | 61 | 14144940.tfw |
| 24/05/2005 | 3:58 PM | 12,000,324 | 14144940.tif |
| 24/05/2005 | 3:58 PM | 61 | 14144942.tfw |
| 24/05/2005 | 3:58 PM | 12,000,324 | 14144942.tif |

OTAGO REGIONAL COUNCIL

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| 24/05/2005 | 4:28 PM | 12,000,324 | 14164912.tif |
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| 24/05/2005 | 4:21 PM | 61 | 14164916.tfw |
| 24/05/2005 | 4:21 PM | 12,000,324 | 14164916.tif |
| 24/05/2005 | 4:18 PM | 61 | 14164918.tfw |
| 24/05/2005 | 4:18 PM | 12,000,324 | 14164918.tif |
| 24/05/2005 | 4:15 PM | 61 | 14164920.tfw |
| 24/05/2005 | 4:15 PM | 12,000,324 | 14164920.tif |
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| 24/05/2005 | 4:10 PM | 61 | 14164924.tfw |
| 24/05/2005 | 4:10 PM | 12,000,324 | 14164924.tif |
| 24/05/2005 | 4:07 PM | 61 | 14164926.tfw |
| 24/05/2005 | 4:07 PM | 12,000,324 | 14164926.tif |
| 24/05/2005 | 4:05 PM | 61 | 14164928.tfw |
| 24/05/2005 | 4:05 PM | 12,000,324 | 14164928.tif |
| 24/05/2005 | 4:04 PM | 61 | 14164930.tfw |
| 24/05/2005 | 4:04 PM | 12,000,324 | 14164930.tif |
| 24/05/2005 | 4:04 PM | 61 | 14164932.tfw |
| 24/05/2005 | 4:04 PM | 12,000,324 | 14164932.tif |
| 24/05/2005 | 3:59 PM | 61 | 14164938.tfw |
| 24/05/2005 | 3:59 PM | 12,000,324 | 14164938.tif |
| 24/05/2005 | 3:59 PM | 61 | 14164940.tfw |
| 24/05/2005 | 3:59 PM | 12,000,324 | 14164940.tif |
| 24/05/2005 | 3:58 PM | 61 | 14164942.tfw |
| 24/05/2005 | 3:58 PM | 12,000,324 | 14164942.tif |
| 24/05/2005 | 3:57 PM | 61 | 14164944.tfw |
| 24/05/2005 | 3:57 PM | 12,000,324 | 14164944.tif |
| 24/05/2005 | 3:56 PM | 61 | 14164946.tfw |
| 24/05/2005 | 3:56 PM | 12,000,324 | 14164946.tif |
| 24/05/2005 | 4:28 PM | 61 | 14184912.tfw |
| 24/05/2005 | 4:28 PM | 12,000,324 | 14184912.tif |
| 24/05/2005 | 4:25 PM | 61 | 14184914.tfw |
| 24/05/2005 | 4:25 PM | 12,000,324 | 14184914.tif |
| 24/05/2005 | 4:22 PM | 61 | 14184916.tfw |
| 24/05/2005 | 4:22 PM | 12,000,324 | 14184916.tif |
| 24/05/2005 | 4:18 PM | 61 | 14184918.tfw |
| 24/05/2005 | 4:18 PM | 12,000,324 | 14184918.tif |
| 24/05/2005 | 4:15 PM | 61 | 14184920.tfw |
| 24/05/2005 | 4:15 PM | 12,000,324 | 14184920.tif |
| 24/05/2005 | 4:12 PM | 61 | 14184922.tfw |
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| 24/05/2005 | 4:10 PM | 61 | 14184924.tfw |
| 24/05/2005 | 4:10 PM | 12,000,324 | 14184924.tif |
| 24/05/2005 | 4:08 PM | 61 | 14184926.tfw |
| 24/05/2005 | 4:08 PM | 12,000,324 | 14184926.tif |
| 24/05/2005 | 4:06 PM | 61 | 14184928.tfw |
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| 24/05/2005 | 3:58 PM | 61 | 14184942.tfw |

OTAGO REGIONAL COUNCIL

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| 24/05/2005 | 3:57 PM | 12,000,324 | 14184944.tif |
| 24/05/2005 | 3:57 PM | 61 | 14184946.tfw |
| 24/05/2005 | 3:57 PM | 12,000,324 | 14184946.tif |
| 24/05/2005 | 4:28 PM | 61 | 14204912.tfw |
| 24/05/2005 | 4:28 PM | 12,000,324 | 14204912.tif |
| 24/05/2005 | 4:25 PM | 61 | 14204914.tfw |
| 24/05/2005 | 4:25 PM | 12,000,324 | 14204914.tif |
| 24/05/2005 | 4:22 PM | 61 | 14204916.tfw |
| 24/05/2005 | 4:22 PM | 12,000,324 | 14204916.tif |
| 24/05/2005 | 4:19 PM | 61 | 14204918.tfw |
| 24/05/2005 | 4:19 PM | 12,000,324 | 14204918.tif |
| 24/05/2005 | 4:16 PM | 61 | 14204920.tfw |
| 24/05/2005 | 4:16 PM | 12,000,324 | 14204920.tif |
| 24/05/2005 | 4:13 PM | 61 | 14204922.tfw |
| 24/05/2005 | 4:13 PM | 12,000,324 | 14204922.tif |
| 24/05/2005 | 4:10 PM | 61 | 14204924.tfw |
| 24/05/2005 | 4:10 PM | 12,000,324 | 14204924.tif |
| 24/05/2005 | 4:08 PM | 61 | 14204926.tfw |
| 24/05/2005 | 4:08 PM | 12,000,324 | 14204926.tif |
| 24/05/2005 | 4:06 PM | 61 | 14204928.tfw |
| 24/05/2005 | 4:06 PM | 12,000,324 | 14204928.tif |
| 24/05/2005 | 4:07 PM | 61 | 14204930.tfw |
| 24/05/2005 | 4:07 PM | 12,000,324 | 14204930.tif |
| 24/05/2005 | 3:58 PM | 61 | 14204944.tfw |
| 24/05/2005 | 3:58 PM | 12,000,324 | 14204944.tif |
| 24/05/2005 | 3:57 PM | 61 | 14204946.tfw |
| 24/05/2005 | 3:57 PM | 12,000,324 | 14204946.tif |
| 24/05/2005 | 3:56 PM | 61 | 14204948.tfw |
| 24/05/2005 | 3:56 PM | 12,000,324 | 14204948.tif |
| 24/05/2005 | 3:55 PM | 61 | 14204950.tfw |
| 24/05/2005 | 3:55 PM | 12,000,324 | 14204950.tif |
| 24/05/2005 | 3:55 PM | 61 | 14204952.tfw |
| 24/05/2005 | 3:55 PM | 12,000,324 | 14204952.tif |
| 24/05/2005 | 4:22 PM | 61 | 14224916.tfw |
| 24/05/2005 | 4:22 PM | 12,000,324 | 14224916.tif |
| 24/05/2005 | 4:19 PM | 61 | 14224918.tfw |
| 24/05/2005 | 4:19 PM | 12,000,324 | 14224918.tif |
| 24/05/2005 | 4:16 PM | 61 | 14224920.tfw |
| 24/05/2005 | 4:16 PM | 12,000,324 | 14224920.tif |
| 24/05/2005 | 4:13 PM | 61 | 14224922.tfw |
| 24/05/2005 | 4:13 PM | 12,000,324 | 14224922.tif |
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| 24/05/2005 | 4:11 PM | 12,000,324 | 14224924.tif |
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| 24/05/2005 | 4:08 PM | 12,000,324 | 14224926.tif |
| 24/05/2005 | 4:07 PM | 61 | 14224928.tfw |
| 24/05/2005 | 4:07 PM | 12,000,324 | 14224928.tif |
| 24/05/2005 | 3:57 PM | 61 | 14224946.tfw |
| 24/05/2005 | 3:57 PM | 12,000,324 | 14224946.tif |
| 24/05/2005 | 3:56 PM | 61 | 14224948.tfw |
| 24/05/2005 | 3:56 PM | 12,000,324 | 14224948.tif |

OTAGO REGIONAL COUNCIL

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| 24/05/2005 | 3:56 PM | 12,000,324 | 14224950.tif |
| 24/05/2005 | 3:55 PM | 61 | 14224952.tfw |
| 24/05/2005 | 3:55 PM | 12,000,324 | 14224952.tif |
| 24/05/2005 | 3:54 PM | 61 | 14224954.tfw |
| 24/05/2005 | 3:54 PM | 12,000,324 | 14224954.tif |
| 24/05/2005 | 3:53 PM | 61 | 14224956.tfw |
| 24/05/2005 | 3:53 PM | 12,000,324 | 14224956.tif |
| 24/05/2005 | 4:22 PM | 61 | 14244916.tfw |
| 24/05/2005 | 4:22 PM | 12,000,324 | 14244916.tif |
| 24/05/2005 | 4:19 PM | 61 | 14244918.tfw |
| 24/05/2005 | 4:19 PM | 12,000,324 | 14244918.tif |
| 24/05/2005 | 4:16 PM | 61 | 14244920.tfw |
| 24/05/2005 | 4:16 PM | 12,000,324 | 14244920.tif |
| 24/05/2005 | 4:14 PM | 61 | 14244922.tfw |
| 24/05/2005 | 4:14 PM | 12,000,324 | 14244922.tif |
| 24/05/2005 | 4:11 PM | 61 | 14244924.tfw |
| 24/05/2005 | 4:11 PM | 12,000,324 | 14244924.tif |
| 24/05/2005 | 4:08 PM | 61 | 14244926.tfw |
| 24/05/2005 | 4:08 PM | 12,000,324 | 14244926.tif |
| 24/05/2005 | 4:09 PM | 61 | 14244928.tfw |
| 24/05/2005 | 4:09 PM | 12,000,324 | 14244928.tif |
| 24/05/2005 | 3:55 PM | 61 | 14244952.tfw |
| 24/05/2005 | 3:55 PM | 12,000,324 | 14244952.tif |
| 24/05/2005 | 3:54 PM | 61 | 14244954.tfw |
| 24/05/2005 | 3:54 PM | 12,000,324 | 14244954.tif |
| 24/05/2005 | 3:53 PM | 61 | 14244956.tfw |
| 24/05/2005 | 3:53 PM | 12,000,324 | 14244956.tif |
| 24/05/2005 | 3:52 PM | 61 | 14244958.tfw |
| 24/05/2005 | 3:52 PM | 12,000,324 | 14244958.tif |
| 24/05/2005 | 3:54 PM | 61 | 14264956.tfw |
| 24/05/2005 | 3:54 PM | 12,000,324 | 14264956.tif |
| 24/05/2005 | 3:54 PM | 61 | 14264958.tfw |
| 24/05/2005 | 3:54 PM | 12,000,324 | 14264958.tif |
| 24/05/2005 | 3:52 PM | 61 | 14264960.tfw |
| 24/05/2005 | 3:52 PM | 12,000,324 | 14264960.tif |
| 24/05/2005 | 3:51 PM | 61 | 14264962.tfw |
| 24/05/2005 | 3:51 PM | 12,000,324 | 14264962.tif |
| 24/05/2005 | 3:51 PM | 61 | 14264964.tfw |
| 24/05/2005 | 3:51 PM | 12,000,324 | 14264964.tif |
| 24/05/2005 | 3:51 PM | 61 | 14264966.tfw |
| 24/05/2005 | 3:51 PM | 12,000,324 | 14264966.tif |
| 24/05/2005 | 3:54 PM | 61 | 14284958.tfw |
| 24/05/2005 | 3:54 PM | 12,000,324 | 14284958.tif |
| 24/05/2005 | 3:53 PM | 61 | 14284960.tfw |
| 24/05/2005 | 3:53 PM | 12,000,324 | 14284960.tif |
| 24/05/2005 | 3:52 PM | 61 | 14284962.tfw |
| 24/05/2005 | 3:52 PM | 12,000,324 | 14284962.tif |
| 24/05/2005 | 3:51 PM | 61 | 14284964.tfw |
| 24/05/2005 | 3:51 PM | 12,000,324 | 14284964.tif |
| 24/05/2005 | 3:50 PM | 61 | 14284966.tfw |
| 24/05/2005 | 3:50 PM | 12,000,324 | 14284966.tif |
| 24/05/2005 | 3:50 PM | 61 | 14284968.tfw |

OTAGO REGIONAL COUNCIL

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| 24/05/2005 | 3:49 PM | 61 | 14284970.tfw |
| 24/05/2005 | 3:49 PM | 12,000,324 | 14284970.tif |
| 24/05/2005 | 3:49 PM | 61 | 14284972.tfw |
| 24/05/2005 | 3:49 PM | 12,000,324 | 14284972.tif |
| 24/05/2005 | 3:46 PM | 61 | 14284976.tfw |
| 24/05/2005 | 3:46 PM | 12,000,324 | 14284976.tif |
| 24/05/2005 | 3:46 PM | 61 | 14284978.tfw |
| 24/05/2005 | 3:46 PM | 12,000,324 | 14284978.tif |
| 24/05/2005 | 3:46 PM | 61 | 14284980.tfw |
| 24/05/2005 | 3:46 PM | 12,000,324 | 14284980.tif |
| 24/05/2005 | 9:43 AM | 61 | 14284982.tfw |
| 24/05/2005 | 9:43 AM | 12,000,324 | 14284982.tif |
| 24/05/2005 | 3:53 PM | 61 | 14304960.tfw |
| 24/05/2005 | 3:53 PM | 12,000,324 | 14304960.tif |
| 24/05/2005 | 3:52 PM | 61 | 14304962.tfw |
| 24/05/2005 | 3:52 PM | 12,000,324 | 14304962.tif |
| 24/05/2005 | 3:50 PM | 61 | 14304968.tfw |
| 24/05/2005 | 3:50 PM | 12,000,324 | 14304968.tif |
| 24/05/2005 | 3:50 PM | 61 | 14304970.tfw |
| 24/05/2005 | 3:50 PM | 12,000,324 | 14304970.tif |
| 24/05/2005 | 3:49 PM | 61 | 14304972.tfw |
| 24/05/2005 | 3:49 PM | 12,000,324 | 14304972.tif |
| 24/05/2005 | 3:48 PM | 61 | 14304974.tfw |
| 24/05/2005 | 3:48 PM | 12,000,324 | 14304974.tif |
| 24/05/2005 | 3:46 PM | 61 | 14304980.tfw |
| 24/05/2005 | 3:46 PM | 12,000,324 | 14304980.tif |
| 24/05/2005 | 9:43 AM | 61 | 14304982.tfw |
| 24/05/2005 | 9:43 AM | 12,000,324 | 14304982.tif |
| 24/05/2005 | 9:42 AM | 61 | 14304984.tfw |
| 24/05/2005 | 9:42 AM | 12,000,324 | 14304984.tif |
| 24/05/2005 | 9:42 AM | 61 | 14304986.tfw |
| 24/05/2005 | 9:42 AM | 12,000,324 | 14304986.tif |
| 24/05/2005 | 9:41 AM | 61 | 14304988.tfw |
| 24/05/2005 | 9:41 AM | 12,000,324 | 14304988.tif |
| 24/05/2005 | 9:41 AM | 61 | 14304990.tfw |
| 24/05/2005 | 9:41 AM | 12,000,324 | 14304990.tif |
| 24/05/2005 | 3:50 PM | 61 | 14324970.tfw |
| 24/05/2005 | 3:50 PM | 12,000,324 | 14324970.tif |
| 24/05/2005 | 3:49 PM | 61 | 14324972.tfw |
| 24/05/2005 | 3:49 PM | 12,000,324 | 14324972.tif |
| 24/05/2005 | 3:48 PM | 61 | 14324974.tfw |
| 24/05/2005 | 3:48 PM | 12,000,324 | 14324974.tif |
| 24/05/2005 | 9:43 AM | 61 | 14324984.tfw |
| 24/05/2005 | 9:43 AM | 12,000,324 | 14324984.tif |
| 24/05/2005 | 9:42 AM | 61 | 14324986.tfw |
| 24/05/2005 | 9:42 AM | 12,000,324 | 14324986.tif |
| 24/05/2005 | 9:41 AM | 61 | 14324988.tfw |
| 24/05/2005 | 9:41 AM | 12,000,324 | 14324988.tif |
| 24/05/2005 | 9:41 AM | 61 | 14324990.tfw |
| 24/05/2005 | 9:41 AM | 12,000,324 | 14324990.tif |
| 24/05/2005 | 9:40 AM | 61 | 14324992.tfw |
| 24/05/2005 | 9:40 AM | 12,000,324 | 14324992.tif |

OTAGO REGIONAL COUNCIL

| | | | |
|------------|---------|------------|--------------|
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| 24/05/2005 | 9:40 AM | 12,000,324 | 14324994.tif |
| 24/05/2005 | 9:41 AM | 61 | 14344990.tfw |
| 24/05/2005 | 9:41 AM | 12,000,324 | 14344990.tif |
| 24/05/2005 | 9:40 AM | 61 | 14344992.tfw |
| 24/05/2005 | 9:40 AM | 12,000,324 | 14344992.tif |
| 24/05/2005 | 9:40 AM | 61 | 14344994.tfw |
| 24/05/2005 | 9:40 AM | 12,000,324 | 14344994.tif |
| 24/05/2005 | 9:39 AM | 61 | 14344996.tfw |
| 24/05/2005 | 9:39 AM | 12,000,324 | 14344996.tif |
| 24/05/2005 | 9:39 AM | 61 | 14344998.tfw |
| 24/05/2005 | 9:39 AM | 12,000,324 | 14344998.tif |
| 24/05/2005 | 9:39 AM | 61 | 14364996.tfw |
| 24/05/2005 | 9:39 AM | 12,000,324 | 14364996.tif |
| 24/05/2005 | 9:39 AM | 61 | 14364998.tfw |
| 24/05/2005 | 9:39 AM | 12,000,324 | 14364998.tif |
| 24/05/2005 | 9:38 AM | 61 | 14365000.tfw |
| 24/05/2005 | 9:38 AM | 12,000,324 | 14365000.tif |
| 24/05/2005 | 9:39 AM | 61 | 14384998.tfw |
| 24/05/2005 | 9:39 AM | 12,000,324 | 14384998.tif |
| 24/05/2005 | 9:38 AM | 61 | 14385000.tfw |
| 24/05/2005 | 9:38 AM | 12,000,324 | 14385000.tif |
| 24/05/2005 | 9:38 AM | 61 | 14385002.tfw |
| 24/05/2005 | 9:38 AM | 12,000,324 | 14385002.tif |
| 24/05/2005 | 9:37 AM | 61 | 14385004.tfw |
| 24/05/2005 | 9:37 AM | 12,000,324 | 14385004.tif |
| 24/05/2005 | 9:38 AM | 61 | 14405000.tfw |
| 24/05/2005 | 9:38 AM | 12,000,324 | 14405000.tif |
| 24/05/2005 | 9:38 AM | 61 | 14405002.tfw |
| 24/05/2005 | 9:38 AM | 12,000,324 | 14405002.tif |
| 24/05/2005 | 9:37 AM | 61 | 14405004.tfw |
| 24/05/2005 | 9:37 AM | 12,000,324 | 14405004.tif |
| 24/05/2005 | 9:36 AM | 61 | 14405006.tfw |
| 24/05/2005 | 9:36 AM | 12,000,324 | 14405006.tif |
| 24/05/2005 | 9:37 AM | 61 | 14425004.tfw |
| 24/05/2005 | 9:37 AM | 12,000,324 | 14425004.tif |
| 24/05/2005 | 9:37 AM | 61 | 14425006.tfw |
| 24/05/2005 | 9:37 AM | 12,000,324 | 14425006.tif |
| 24/05/2005 | 9:36 AM | 61 | 14425008.tfw |
| 24/05/2005 | 9:36 AM | 12,000,324 | 14425008.tif |
| 24/05/2005 | 9:37 AM | 61 | 14445006.tfw |
| 24/05/2005 | 9:37 AM | 12,000,324 | 14445006.tif |
| 24/05/2005 | 9:36 AM | 61 | 14445008.tfw |
| 24/05/2005 | 9:36 AM | 12,000,324 | 14445008.tif |
| 24/05/2005 | 9:35 AM | 61 | 14445010.tfw |
| 24/05/2005 | 9:35 AM | 12,000,324 | 14445010.tif |
| 24/05/2005 | 9:36 AM | 61 | 14465008.tfw |
| 24/05/2005 | 9:36 AM | 12,000,324 | 14465008.tif |
| 24/05/2005 | 9:35 AM | 61 | 14465010.tfw |
| 24/05/2005 | 9:35 AM | 12,000,324 | 14465010.tif |
| 24/05/2005 | 9:34 AM | 61 | 14465012.tfw |
| 24/05/2005 | 9:34 AM | 12,000,324 | 14465012.tif |
| 24/05/2005 | 9:35 AM | 61 | 14485010.tfw |

OTAGO REGIONAL COUNCIL

| | | | |
|------------|---------|------------|--------------|
| 24/05/2005 | 9:35 AM | 12,000,324 | 14485010.tif |
| 24/05/2005 | 9:35 AM | 61 | 14485012.tfw |
| 24/05/2005 | 9:35 AM | 12,000,324 | 14485012.tif |
| 24/05/2005 | 9:34 AM | 61 | 14485014.tfw |
| 24/05/2005 | 9:34 AM | 12,000,324 | 14485014.tif |
| 24/05/2005 | 9:34 AM | 61 | 14485016.tfw |
| 24/05/2005 | 9:34 AM | 12,000,324 | 14485016.tif |
| 24/05/2005 | 9:34 AM | 61 | 14505014.tfw |
| 24/05/2005 | 9:34 AM | 12,000,324 | 14505014.tif |
| 24/05/2005 | 9:33 AM | 61 | 14505016.tfw |
| 24/05/2005 | 9:33 AM | 12,000,324 | 14505016.tif |
| 24/05/2005 | 9:33 AM | 61 | 14505018.tfw |
| 24/05/2005 | 9:33 AM | 12,000,324 | 14505018.tif |
| 24/05/2005 | 9:33 AM | 61 | 14505020.tfw |
| 24/05/2005 | 9:33 AM | 12,000,324 | 14505020.tif |
| 24/05/2005 | 9:33 AM | 61 | 14525018.tfw |
| 24/05/2005 | 9:33 AM | 12,000,324 | 14525018.tif |
| 24/05/2005 | 9:33 AM | 61 | 14525020.tfw |
| 24/05/2005 | 9:33 AM | 12,000,324 | 14525020.tif |
| 24/05/2005 | 9:33 AM | 61 | 14525022.tfw |
| 24/05/2005 | 9:33 AM | 12,000,324 | 14525022.tif |

COASTLINE CONTOURS**DUNEDIN SOUTH**

| Date | Time | Size | Name | Description |
|-------------|-------------|-------------|--------------|---------------------|
| 30/05/2005 | 12:10p | 941,771 | 13824894.fst | First pulse strikes |
| 30/05/2005 | 12:10p | 6,969,811 | 13824894.grd | Ground strikes |
| 30/05/2005 | 12:10p | 19,699,118 | 13824894.non | Non-ground strikes |
| 30/05/2005 | 12:09p | 49,197 | 13824896.fst | |
| 30/05/2005 | 12:09p | 1,477,935 | 13824896.grd | |
| 30/05/2005 | 12:09p | 3,872,859 | 13824896.non | |
| 30/05/2005 | 12:10p | 10,769 | 13844894.grd | |
| 30/05/2005 | 12:10p | 49,421 | 13844894.non | |
| 30/05/2005 | 12:09p | 84,628 | 13844896.fst | |
| 30/05/2005 | 12:09p | 3,056,850 | 13844896.grd | |
| 30/05/2005 | 12:09p | 8,486,643 | 13844896.non | |
| 30/05/2005 | 12:09p | 65,459 | 13844898.fst | |
| 30/05/2005 | 12:09p | 3,038,675 | 13844898.grd | |
| 30/05/2005 | 12:09p | 6,807,196 | 13844898.non | |
| 30/05/2005 | 12:08p | 2,065 | 13844900.fst | |
| 30/05/2005 | 12:08p | 326,805 | 13844900.grd | |
| 30/05/2005 | 12:08p | 165,095 | 13844900.non | |
| 30/05/2005 | 12:08p | 19,076 | 13864900.fst | |
| 30/05/2005 | 12:08p | 1,565,585 | 13864900.grd | |
| 30/05/2005 | 12:08p | 2,596,415 | 13864900.non | |
| 30/05/2005 | 12:08p | 103,222 | 13864902.fst | |
| 30/05/2005 | 12:08p | 3,277,850 | 13864902.grd | |
| 30/05/2005 | 12:08p | 7,202,854 | 13864902.non | |
| 30/05/2005 | 12:08p | 4,398 | 13884902.fst | |

OTAGO REGIONAL COUNCIL

| | | | |
|------------|--------|------------|--------------|
| 30/05/2005 | 12:08p | 1,584,925 | 13884902.grd |
| 30/05/2005 | 12:08p | 4,668,372 | 13884902.non |
| 30/05/2005 | 12:07p | 1,279,314 | 13884904.fst |
| 30/05/2005 | 12:07p | 5,442,080 | 13884904.grd |
| 30/05/2005 | 12:07p | 13,591,087 | 13884904.non |
| 30/05/2005 | 12:06p | 23,003 | 13884906.fst |
| 30/05/2005 | 12:06p | 270,735 | 13884906.grd |
| 30/05/2005 | 12:06p | 365,851 | 13884906.non |
| 30/05/2005 | 12:06p | 66,907 | 13904906.fst |
| 30/05/2005 | 12:06p | 2,181,798 | 13904906.grd |
| 30/05/2005 | 12:06p | 8,540,404 | 13904906.non |
| 30/05/2005 | 12:07p | 110,247 | 13924906.fst |
| 30/05/2005 | 12:07p | 1,389,053 | 13924906.grd |
| 30/05/2005 | 12:07p | 5,675,803 | 13924906.non |
| 30/05/2005 | 12:05p | 728,414 | 13924908.fst |
| 30/05/2005 | 12:05p | 4,302,699 | 13924908.grd |
| 30/05/2005 | 12:05p | 12,182,459 | 13924908.non |
| 30/05/2005 | 12:06p | 85,742 | 13944908.fst |
| 30/05/2005 | 12:06p | 2,792,411 | 13944908.grd |
| 30/05/2005 | 12:06p | 6,997,849 | 13944908.non |
| 30/05/2005 | 12:06p | 112,417 | 13964908.fst |
| 30/05/2005 | 12:06p | 1,617,867 | 13964908.grd |
| 30/05/2005 | 12:06p | 6,221,152 | 13964908.non |
| 30/05/2005 | 12:03p | 106,640 | 13964910.fst |
| 30/05/2005 | 12:03p | 1,588,671 | 13964910.grd |
| 30/05/2005 | 12:03p | 8,660,350 | 13964910.non |
| 30/05/2005 | 12:06p | 208,472 | 13984908.non |
| 30/05/2005 | 12:03p | 51,659 | 13984910.fst |
| 30/05/2005 | 12:03p | 5,727,959 | 13984910.grd |
| 30/05/2005 | 12:03p | 23,065,250 | 13984910.non |
| 30/05/2005 | 12:04p | 1,108,377 | 14004910.fst |
| 30/05/2005 | 12:04p | 7,410,987 | 14004910.grd |
| 30/05/2005 | 12:04p | 33,528,080 | 14004910.non |
| 30/05/2005 | 12:05p | 226,340 | 14024910.fst |
| 30/05/2005 | 12:05p | 6,272,008 | 14024910.grd |
| 30/05/2005 | 12:05p | 15,784,249 | 14024910.non |
| 30/05/2005 | 12:00p | 628,921 | 14024912.fst |
| 30/05/2005 | 12:00p | 2,196,977 | 14024912.grd |
| 30/05/2005 | 12:00p | 8,246,856 | 14024912.non |
| 30/05/2005 | 12:05p | 26,766 | 14044910.fst |
| 30/05/2005 | 12:05p | 902,977 | 14044910.grd |
| 30/05/2005 | 12:05p | 3,635,328 | 14044910.non |
| 30/05/2005 | 12:00p | 1,160,763 | 14044912.fst |
| 30/05/2005 | 12:01p | 6,013,192 | 14044912.grd |
| 30/05/2005 | 12:00p | 33,064,081 | 14044912.non |
| 30/05/2005 | 12:01p | 22,292 | 14064912.fst |
| 30/05/2005 | 12:01p | 2,229,649 | 14064912.grd |
| 30/05/2005 | 12:01p | 23,851,310 | 14064912.non |
| 30/05/2005 | 12:02p | 83,944 | 14084912.fst |
| 30/05/2005 | 12:02p | 3,779,741 | 14084912.grd |
| 30/05/2005 | 12:02p | 33,408,988 | 14084912.non |
| 30/05/2005 | 12:02p | 199,627 | 14104912.fst |

OTAGO REGIONAL COUNCIL

| | | | |
|------------|--------|------------|--------------|
| 30/05/2005 | 12:02p | 4,174,701 | 14104912.grd |
| 30/05/2005 | 12:02p | 26,812,628 | 14104912.non |

DUNEDIN INTENSITY

| Date | Time | Size | Name | Description |
|-------------|-------------|-------------|--------------|-------------------------|
| 30/05/2005 | 01:20p | 61 | 13824894.tfw | Geo-reference text file |
| 30/05/2005 | 01:20p | 12,000,324 | 13824894.tif | |
| 30/05/2005 | 01:20p | 61 | 13824896.tfw | |
| 30/05/2005 | 01:20p | 12,000,324 | 13824896.tif | |
| 30/05/2005 | 01:21p | 61 | 13844894.tfw | |
| 30/05/2005 | 01:21p | 12,000,324 | 13844894.tif | |
| 30/05/2005 | 01:20p | 61 | 13844896.tfw | |
| 30/05/2005 | 01:20p | 12,000,324 | 13844896.tif | |
| 30/05/2005 | 01:20p | 61 | 13844898.tfw | |
| 30/05/2005 | 01:20p | 12,000,324 | 13844898.tif | |
| 30/05/2005 | 01:19p | 61 | 13844900.tfw | |
| 30/05/2005 | 01:19p | 12,000,324 | 13844900.tif | |
| 30/05/2005 | 01:20p | 61 | 13864898.tfw | |
| 30/05/2005 | 01:20p | 12,000,324 | 13864898.tif | |
| 30/05/2005 | 01:19p | 61 | 13864900.tfw | |
| 30/05/2005 | 01:19p | 12,000,324 | 13864900.tif | |
| 30/05/2005 | 01:19p | 61 | 13864902.tfw | |
| 30/05/2005 | 01:19p | 12,000,324 | 13864902.tif | |
| 30/05/2005 | 01:19p | 61 | 13884902.tfw | |
| 30/05/2005 | 01:19p | 12,000,324 | 13884902.tif | |
| 30/05/2005 | 01:18p | 61 | 13884904.tfw | |
| 30/05/2005 | 01:18p | 12,000,324 | 13884904.tif | |
| 30/05/2005 | 01:16p | 61 | 13884906.tfw | |
| 30/05/2005 | 01:16p | 12,000,324 | 13884906.tif | |
| 30/05/2005 | 01:19p | 61 | 13904904.tfw | |
| 30/05/2005 | 01:19p | 12,000,324 | 13904904.tif | |
| 30/05/2005 | 01:18p | 61 | 13904906.tfw | |
| 30/05/2005 | 01:18p | 12,000,324 | 13904906.tif | |
| 30/05/2005 | 01:18p | 61 | 13924906.tfw | |
| 30/05/2005 | 01:18p | 12,000,324 | 13924906.tif | |
| 30/05/2005 | 01:15p | 61 | 13924908.tfw | |
| 30/05/2005 | 01:15p | 12,000,324 | 13924908.tif | |
| 30/05/2005 | 01:15p | 61 | 13944908.tfw | |
| 30/05/2005 | 01:15p | 12,000,324 | 13944908.tif | |
| 30/05/2005 | 01:15p | 61 | 13964908.tfw | |
| 30/05/2005 | 01:15p | 12,000,324 | 13964908.tif | |
| 30/05/2005 | 01:14p | 61 | 13964910.tfw | |
| 30/05/2005 | 01:14p | 12,000,324 | 13964910.tif | |
| 30/05/2005 | 01:16p | 61 | 13984908.tfw | |
| 30/05/2005 | 01:16p | 12,000,324 | 13984908.tif | |
| 30/05/2005 | 01:14p | 61 | 13984910.tfw | |
| 30/05/2005 | 01:14p | 12,000,324 | 13984910.tif | |
| 30/05/2005 | 01:14p | 61 | 14004910.tfw | |
| 30/05/2005 | 01:14p | 12,000,324 | 14004910.tif | |
| 30/05/2005 | 01:15p | 61 | 14024910.tfw | |
| 30/05/2005 | 01:15p | 12,000,324 | 14024910.tif | |

OTAGO REGIONAL COUNCIL

| | | | |
|------------|--------|------------|--------------|
| 30/05/2005 | 01:13p | 61 | 14024912.tfw |
| 30/05/2005 | 01:13p | 12,000,324 | 14024912.tif |
| 30/05/2005 | 01:15p | 61 | 14044910.tfw |
| 30/05/2005 | 01:15p | 12,000,324 | 14044910.tif |
| 30/05/2005 | 01:13p | 61 | 14044912.tfw |
| 30/05/2005 | 01:13p | 12,000,324 | 14044912.tif |
| 30/05/2005 | 01:13p | 61 | 14064912.tfw |
| 30/05/2005 | 01:13p | 12,000,324 | 14064912.tif |
| 30/05/2005 | 01:14p | 61 | 14084912.tfw |
| 30/05/2005 | 01:14p | 12,000,324 | 14084912.tif |
| 30/05/2005 | 01:14p | 61 | 14104912.tfw |
| 30/05/2005 | 01:14p | 12,000,324 | 14104912.tif |

DUNEDIN CONTOURS

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|-------------|
| 1/06/2005 | 10:43a | 24,631,052 | 13824894.dxf | Contours |
| 1/06/2005 | 10:44a | 4,821,356 | 13824896.dxf | |
| 1/06/2005 | 10:38a | 3,961,119 | 13844894.dxf | |
| 1/06/2005 | 10:44a | 11,510,073 | 13844896.dxf | |
| 1/06/2005 | 10:45a | 12,963,535 | 13844898.dxf | |
| 1/06/2005 | 10:46a | 1,617,579 | 13844900.dxf | |
| 1/06/2005 | 10:45a | 6,784,588 | 13864900.dxf | |
| 1/06/2005 | 10:51a | 22,810,973 | 13864902.dxf | |
| 1/06/2005 | 10:46a | 11,827,061 | 13884902.dxf | |
| 1/06/2005 | 10:52a | 41,466,898 | 13884904.dxf | |
| 1/06/2005 | 10:53a | 1,990,302 | 13884906.dxf | |
| 1/06/2005 | 10:48a | 7,947,416 | 13904906.dxf | |
| 1/06/2005 | 10:47a | 5,155,410 | 13924906.dxf | |
| 1/06/2005 | 10:50a | 11,251,905 | 13924908.dxf | |
| 1/06/2005 | 10:49a | 12,174,440 | 13944908.dxf | |
| 26/05/2005 | 01:38p | 8,445,811 | 13964908.dxf | |
| 1/06/2005 | 10:59a | 5,018,845 | 13964910.dxf | |
| 1/06/2005 | 10:58a | 21,926,284 | 13984910.dxf | |
| 1/06/2005 | 10:58a | 86,061,550 | 14004910.dxf | |
| 1/06/2005 | 10:53a | 87,563,878 | 14024910.dxf | |
| 1/06/2005 | 11:03a | 7,009,410 | 14024912.dxf | |
| 1/06/2005 | 11:02a | 38,408,704 | 14044912.dxf | |
| 1/06/2005 | 11:03a | 12,173,177 | 14064912.dxf | |
| 1/06/2005 | 11:01a | 25,795,716 | 14084912.dxf | |
| 1/06/2005 | 11:00a | 37,347,847 | 14104912.dxf | |

TOKOMOUTH

| Date | Time | Size | Name | Description |
|------------|--------|-----------|--------------|---------------------|
| 20/05/2005 | 05:20p | 299,810 | 13664880.fst | First Pulse Strikes |
| 20/05/2005 | 05:20p | 1,225,336 | 13664880.grd | Ground Strikes |
| 20/05/2005 | 05:20p | 3,076,866 | 13664880.non | Non-Ground Strikes |
| 20/05/2005 | 05:21p | 19,952 | 13684878.fst | |
| 20/05/2005 | 05:21p | 886,450 | 13684878.grd | |
| 20/05/2005 | 05:21p | 2,859,062 | 13684878.non | |

OTAGO REGIONAL COUNCIL

| | | | |
|------------|--------|------------|--------------|
| 20/05/2005 | 05:20p | 1,705,002 | 13684880.fst |
| 20/05/2005 | 05:20p | 4,140,251 | 13684880.grd |
| 20/05/2005 | 05:20p | 15,642,791 | 13684880.non |
| 20/05/2005 | 05:25p | 217,418 | 13704876.fst |
| 20/05/2005 | 05:25p | 7,891,118 | 13704876.grd |
| 20/05/2005 | 05:24p | 16,766,789 | 13704876.non |
| 20/05/2005 | 05:21p | 1,355,868 | 13704878.fst |
| 20/05/2005 | 05:21p | 9,689,797 | 13704878.grd |
| 20/05/2005 | 05:21p | 20,970,438 | 13704878.non |
| 20/05/2005 | 05:20p | 40,421 | 13704880.fst |
| 20/05/2005 | 05:20p | 18,694 | 13704880.grd |
| 20/05/2005 | 05:20p | 121,468 | 13704880.non |
| 20/05/2005 | 05:25p | 24,045 | 13724876.fst |
| 20/05/2005 | 05:25p | 2,942,834 | 13724876.grd |
| 20/05/2005 | 05:25p | 21,969,491 | 13724876.non |
| 20/05/2005 | 05:23p | 620,391 | 13724878.fst |
| 20/05/2005 | 05:23p | 12,602,079 | 13724878.grd |
| 20/05/2005 | 05:23p | 56,306,211 | 13724878.non |
| 20/05/2005 | 05:24p | 90,949 | 13744878.fst |
| 20/05/2005 | 05:24p | 3,392,195 | 13744878.grd |
| 20/05/2005 | 05:24p | 14,069,518 | 13744878.non |
| 20/05/2005 | 05:20p | 1,179 | 13744880.fst |
| 20/05/2005 | 05:20p | 261,549 | 13744880.grd |
| 20/05/2005 | 05:20p | 380,264 | 13744880.non |

TOKOMOUTH INTENSITY

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|-------------------------|
| 24/05/2005 | 02:00p | 61 | 13664880.tfw | Geo-reference text file |
| 24/05/2005 | 02:00p | 12,000,324 | 13664880.tif | |
| 24/05/2005 | 02:01p | 61 | 13684878.tfw | |
| 24/05/2005 | 02:01p | 12,000,324 | 13684878.tif | |
| 24/05/2005 | 02:00p | 61 | 13684880.tfw | |
| 24/05/2005 | 02:00p | 12,000,324 | 13684880.tif | |
| 24/05/2005 | 02:02p | 61 | 13704876.tfw | |
| 24/05/2005 | 02:02p | 12,000,324 | 13704876.tif | |
| 24/05/2005 | 02:01p | 61 | 13704878.tfw | |
| 24/05/2005 | 02:01p | 12,000,324 | 13704878.tif | |
| 24/05/2005 | 02:01p | 61 | 13704880.tfw | |
| 24/05/2005 | 02:01p | 12,000,324 | 13704880.tif | |
| 24/05/2005 | 02:02p | 61 | 13724876.tfw | |
| 24/05/2005 | 02:02p | 12,000,324 | 13724876.tif | |
| 24/05/2005 | 02:01p | 61 | 13724878.tfw | |
| 24/05/2005 | 02:01p | 12,000,324 | 13724878.tif | |
| 24/05/2005 | 02:01p | 61 | 13744878.tfw | |
| 24/05/2005 | 02:01p | 12,000,324 | 13744878.tif | |
| 24/05/2005 | 02:01p | 61 | 13744880.tfw | |
| 24/05/2005 | 02:01p | 12,000,324 | 13744880.tif | |

TOKOMOUTH CONTOURS

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|-------------|
| 30/05/2005 | 11:32a | 5,693,454 | 13664880.dxf | Contours |
| 30/05/2005 | 11:33a | 1,763,757 | 13684878.dxf | |
| 30/05/2005 | 11:32a | 28,274,767 | 13684880.dxf | |
| 30/05/2005 | 11:33a | 35,169,442 | 13704876.dxf | |
| 30/05/2005 | 11:33a | 48,204,196 | 13704878.dxf | |
| 30/05/2005 | 11:32a | 399,528 | 13704880.dxf | |
| 30/05/2005 | 11:34a | 5,323,035 | 13724876.dxf | |
| 30/05/2005 | 11:33a | 27,510,118 | 13724878.dxf | |
| 30/05/2005 | 11:33a | 9,232,909 | 13744878.dxf | |
| 30/05/2005 | 11:33a | 545,903 | 13744880.dxf | |

POUNAWEA

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|---------------------|
| 20/05/2005 | 05:44p | 166,906 | 13424846.fst | First Pulse Strikes |
| 20/05/2005 | 05:44p | 3,791,636 | 13424846.grd | Ground Strikes |
| 20/05/2005 | 05:44p | 6,453,368 | 13424846.non | Non-Ground Strikes |
| 20/05/2005 | 05:44p | 2,059 | 13424848.fst | |
| 20/05/2005 | 05:44p | 268,145 | 13424848.grd | |
| 20/05/2005 | 05:44p | 461,339 | 13424848.non | |
| 20/05/2005 | 05:49p | 15,476 | 13444844.fst | |
| 20/05/2005 | 05:49p | 316,703 | 13444844.grd | |
| 20/05/2005 | 05:49p | 2,151,728 | 13444844.non | |
| 20/05/2005 | 05:45p | 1,563,112 | 13444846.fst | |
| 20/05/2005 | 05:45p | 12,547,999 | 13444846.grd | |
| 20/05/2005 | 05:45p | 38,327,426 | 13444846.non | |
| 20/05/2005 | 05:42p | 1,274,453 | 13444848.fst | |
| 20/05/2005 | 05:43p | 12,888,281 | 13444848.grd | |
| 20/05/2005 | 05:42p | 23,747,456 | 13444848.non | |
| 20/05/2005 | 05:50p | 233,389 | 13464844.fst | |
| 20/05/2005 | 05:50p | 5,712,754 | 13464844.grd | |
| 20/05/2005 | 05:50p | 19,866,704 | 13464844.non | |
| 20/05/2005 | 05:47p | 1,793,004 | 13464846.fst | |
| 20/05/2005 | 05:48p | 14,198,045 | 13464846.grd | |
| 20/05/2005 | 05:47p | 73,396,805 | 13464846.non | |
| 20/05/2005 | 05:43p | 504,628 | 13464848.fst | |
| 20/05/2005 | 05:43p | 6,680,894 | 13464848.grd | |
| 20/05/2005 | 05:43p | 17,567,762 | 13464848.non | |
| 20/05/2005 | 05:50p | 327 | 13484844.fst | |
| 20/05/2005 | 05:50p | 65,744 | 13484844.grd | |
| 20/05/2005 | 05:50p | 6,262,450 | 13484844.non | |
| 20/05/2005 | 05:49p | 1,034,322 | 13484846.fst | |
| 20/05/2005 | 05:49p | 4,232,830 | 13484846.grd | |
| 20/05/2005 | 05:48p | 30,900,842 | 13484846.non | |
| 20/05/2005 | 05:44p | 164,526 | 13484848.fst | |
| 20/05/2005 | 05:44p | 2,862,563 | 13484848.grd | |
| 20/05/2005 | 05:44p | 10,286,149 | 13484848.non | |

POUNAWEA INTENSITY

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|-------------------------|
| 24/05/2005 | 02:47p | 61 | 13424846.tfw | Geo-reference text file |
| 24/05/2005 | 02:47p | 12,000,324 | 13424846.tif | |
| 24/05/2005 | 02:46p | 61 | 13424848.tfw | |
| 24/05/2005 | 02:46p | 12,000,324 | 13424848.tif | |
| 24/05/2005 | 02:47p | 61 | 13444844.tfw | |
| 24/05/2005 | 02:47p | 12,000,324 | 13444844.tif | |
| 24/05/2005 | 02:47p | 61 | 13444846.tfw | |
| 24/05/2005 | 02:47p | 12,000,324 | 13444846.tif | |
| 24/05/2005 | 02:46p | 61 | 13444848.tfw | |
| 24/05/2005 | 02:46p | 12,000,324 | 13444848.tif | |
| 24/05/2005 | 02:48p | 61 | 13464844.tfw | |
| 24/05/2005 | 02:48p | 12,000,324 | 13464844.tif | |
| 24/05/2005 | 02:47p | 61 | 13464846.tfw | |
| 24/05/2005 | 02:47p | 12,000,324 | 13464846.tif | |
| 24/05/2005 | 02:46p | 61 | 13464848.tfw | |
| 24/05/2005 | 02:46p | 12,000,324 | 13464848.tif | |
| 24/05/2005 | 02:48p | 61 | 13484844.tfw | |
| 24/05/2005 | 02:48p | 12,000,324 | 13484844.tif | |
| 24/05/2005 | 02:46p | 61 | 13484846.tfw | |
| 24/05/2005 | 02:46p | 12,000,324 | 13484846.tif | |
| 24/05/2005 | 02:46p | 61 | 13484848.tfw | |
| 24/05/2005 | 02:46p | 12,000,324 | 13484848.tif | |

POUNAWEA COUNTOURS

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|-------------|
| 30/05/2005 | 11:35a | 8,873,311 | 13424846.dxf | Contours |
| 30/05/2005 | 11:35a | 753,661 | 13424848.dxf | |
| 30/05/2005 | 11:36a | 810,408 | 13444844.dxf | |
| 30/05/2005 | 11:35a | 24,495,378 | 13444846.dxf | |
| 30/05/2005 | 11:35a | 42,982,173 | 13444848.dxf | |
| 30/05/2005 | 11:36a | 19,400,558 | 13464844.dxf | |
| 30/05/2005 | 11:36a | 28,316,556 | 13464846.dxf | |
| 30/05/2005 | 11:35a | 15,609,316 | 13464848.dxf | |
| 30/05/2005 | 11:36a | 973,753 | 13484844.dxf | |
| 30/05/2005 | 11:36a | 28,854,658 | 13484846.dxf | |
| 30/05/2005 | 11:35a | 6,308,933 | 13484848.dxf | |

PAPATOWAI

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|---------------------|
| 20/05/2005 | 05:57p | 2,771,924 | 13284836.fst | First Pulse Strikes |
| 20/05/2005 | 05:57p | 2,185,915 | 13284836.grd | Ground Strikes |
| 20/05/2005 | 05:57p | 25,482,948 | 13284836.non | Non-Ground Strikes |
| 20/05/2005 | 05:54p | 2,536,200 | 13284838.fst | |
| 20/05/2005 | 05:55p | 7,045,202 | 13284838.grd | |
| 20/05/2005 | 05:54p | 34,768,448 | 13284838.non | |

OTAGO REGIONAL COUNCIL

| | | | |
|------------|--------|------------|--------------|
| 20/05/2005 | 05:53p | 765,138 | 13284840.fst |
| 20/05/2005 | 05:53p | 1,755,710 | 13284840.grd |
| 20/05/2005 | 05:53p | 5,577,631 | 13284840.non |
| 20/05/2005 | 05:57p | 1,444,175 | 13304836.fst |
| 20/05/2005 | 05:57p | 1,290,488 | 13304836.grd |
| 20/05/2005 | 05:57p | 19,418,427 | 13304836.non |
| 20/05/2005 | 05:56p | 5,620,500 | 13304838.fst |
| 20/05/2005 | 05:56p | 1,745,748 | 13304838.grd |
| 20/05/2005 | 05:56p | 31,419,844 | 13304838.non |
| 20/05/2005 | 05:53p | 542,344 | 13304840.fst |
| 20/05/2005 | 05:53p | 1,191,546 | 13304840.grd |
| 20/05/2005 | 05:53p | 3,705,947 | 13304840.non |

PAPATOWAI INTENSITY

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|-------------------------|
| 24/05/2005 | 02:31p | 61 | 13284836.tfw | Geo-reference text file |
| 24/05/2005 | 02:31p | 12,000,324 | 13284836.tif | |
| 24/05/2005 | 02:31p | 61 | 13284838.tfw | |
| 24/05/2005 | 02:31p | 12,000,324 | 13284838.tif | |
| 24/05/2005 | 02:31p | 61 | 13284840.tfw | |
| 24/05/2005 | 02:31p | 12,000,324 | 13284840.tif | |
| 24/05/2005 | 02:31p | 61 | 13304836.tfw | |
| 24/05/2005 | 02:31p | 12,000,324 | 13304836.tif | |
| 24/05/2005 | 02:31p | 61 | 13304838.tfw | |
| 24/05/2005 | 02:31p | 12,000,324 | 13304838.tif | |
| 24/05/2005 | 02:31p | 61 | 13304840.tfw | |
| 24/05/2005 | 02:31p | 12,000,324 | 13304840.tif | |

PAPATOWAI CONTOURS

| Date | Time | Size | Name | Description |
|------------|--------|------------|--------------|-------------|
| 30/05/2005 | 11:34a | 13,690,229 | 13284836.dxf | Contours |
| 30/05/2005 | 11:34a | 27,885,709 | 13284838.dxf | |
| 30/05/2005 | 11:34a | 14,154,009 | 13284840.dxf | |
| 30/05/2005 | 11:35a | 5,817,636 | 13304836.dxf | |
| 30/05/2005 | 11:34a | 7,927,116 | 13304838.dxf | |
| 30/05/2005 | 11:34a | 5,805,421 | 13304840.dxf | |