
Operational Procedures for Orange Roughy and Oreo Fisheries

1 October 2007

Version 1.0

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Disclaimer: *These Operational Procedures are designed to define industry agreed management rules and are to be used in conjunction with any Fisheries or other Government Regulations, they do not replace or override any Regulations currently in place. These OPs do not intend to list all such Regulations and it is the duty of the operator to know and understand these said Regulations.*

PART 1: INTRODUCTION

Purpose	<p>This document serves as a reference guide for Captains, vessel managers and quota managers.</p> <p>Management measures, implemented for orange roughy and oreo trawl fisheries by quota owning shareholders of the Deepwater Group Limited (DWG), are provided along with key MFish Regulations for deepwater fishing. These include:</p> <ul style="list-style-type: none">• DWG agreed catch spreading arrangements by species and sub-area• Charts of sub-area boundaries• Catch limits for sub-areas• Company pro rata quota allocations by sub-area• Catch reporting requirements and forms• Seamount closures guide to revised MFish Regulations• Benthic Protection Area closures (BPAs) – new MFish Regulations expected to come into force in the 2007-08 fishing year
Objectives of these Operational Procedures	<p>The objectives of these Operational Procedures (OPs) are:</p> <ul style="list-style-type: none">• To ensure sustainable utilisation of the orange roughy (ORH) and oreo (OEO) resources• To spread catches within QMAs by sub-area where the best available information suggests this is useful to ensure better management of discrete ORH and OEO sub-stocks• To ensure that all trawlers targeting ORH and OEO follow the practices agreed by DWG shareholders• To ensure all companies and vessels are aware of the agreed DWG management measures and key Regulations• To monitor individual company and vessel performance against the agreed management measures for the ORH and OEO fisheries
Status of these Operational Procedures	<p>This OP is currently a draft and will come into effect once all components have been agreed and endorsed by DWG's quota-owning shareholders.</p>
Application of these Operational Procedures	<p>These OPs apply to all trawlers targeting ORH and OEO, except ORH1.</p> <p>Vessels taking ORH & OEO as bycatch are encouraged to comply with these OPs.</p>
Other Key Operational Documents	<p>These OPs are to be used in conjunction with:</p> <ul style="list-style-type: none">• Operational Procedures for Marine Mammal Incidental Catch Mitigation• Operational Procedures for BPAs and Seamount Closures• Vessel Management Plans (for seabird incidental catch mitigation)

PART 2: RESPONSIBILITIES OF PARTIES TO THESE ORH/OEO OPERATIONAL PROCEDURES

Commitment to these Operational Procedures and the Deed of Management

The DWG expects all shareholding quota and ACE owners, and those who own or operate vessels in the orange roughy and oreo fisheries, to adhere to these OPs.

The authority for this management undertaking is (currently) the Deepwater Fisheries Management Agreement (2005-06), which remains in force until such time as it is either revoked by the Parties or superseded by the Deepsea Fisheries Management Deed.

Shareholders' Obligations

Shareholders shall ensure that any user of their ACE is aware of these OPs, and signs a written acknowledgement of their intention to abide by it, prior to fishing.

Vessel Owners' and Operators' Obligations

All vessel owners and operators shall:

- Ensure vessel managers are fully aware of and actively support the provisions of these OPs
 - Ensure that officers and crew of all trawlers that target orange roughy and/or oreo are aware of and act in accordance with the requirements of these OPs
 - Ensure that a copy of these OPs is kept on the bridge of all orange roughy and oreo target trawlers
 - Ensure that an observer is on board when a vessel is operating in an area where observer coverage is required by these OPs, and ensure that all company and vessel personnel assist the observers in the execution of their duties
 - Take responsibility for corrective action should the vessel, Captain, or crew fail to observe the requirements of these OPs
 - Ensure that all records required below are kept and provided to DWG as required
-

Captains' Obligations

All Captains shall ensure that:

- Any trawler targeting orange roughy and/or oreo has a copy of these OPs on the bridge
 - Their vessel adheres to the provisions of these OPs
 - Records required for monitoring these OPs are collected and forwarded to their company
 - Their crew cooperates with any observer monitoring compliance.
 - All key crew members are fully briefed on the information within these OPs
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PART 3: ORH SUB-AREA CATCH SPREADING

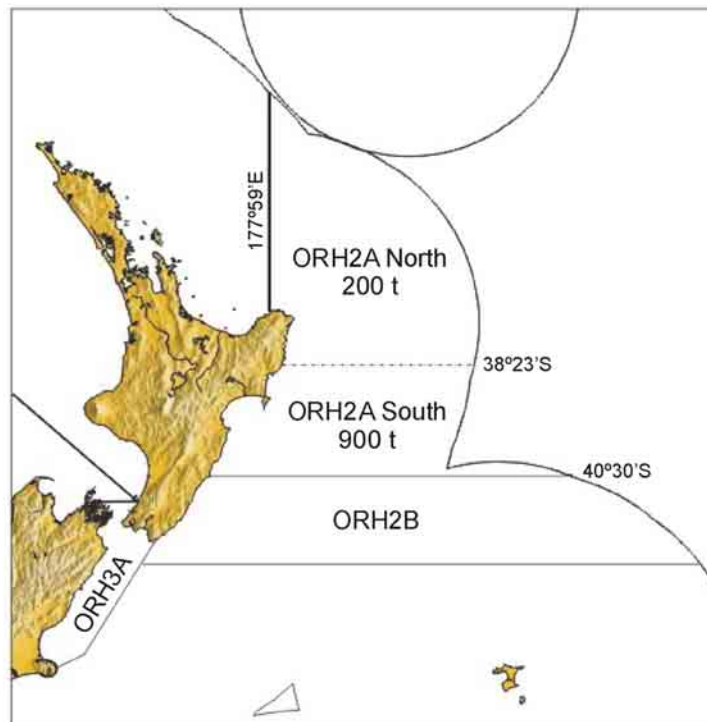
ORH Sub-Area Catch Spreading Arrangements

Shareholders have agreed to sub-area catch limits for ORH as specified in Table 1. The sub-area boundaries for ORH2A and ORH3B are illustrated in Figures 1 & 2.

Table 1: ORH Sub-area catch limits for 2007/08

Fish Stock	Sub-Area	Catch Limits (gwt)
ORH2A	North (north of 38°23'S)	200 t
	South (south of 38°23'S)	900 t
ORH3B	Northwest Rise	750 t
	East Rise & South Rise	7,650 t
	• East Rise	6,500 t max
	○ Spawn Box (1 Jun - 31 Aug)	3,200 t
	○ Spawn Box + Northeast Rise (1 Oct – 31 May + Sep)	1,650 t
	○ Southeast Rise (1 Oct – 30 Sep)	1,650 t
• South Rise	1,750 t max	
	Sub-Antarctic (500 t feature limits)	1,850 t

Figure 1: ORH2A (North and South) designated sub-area boundaries.

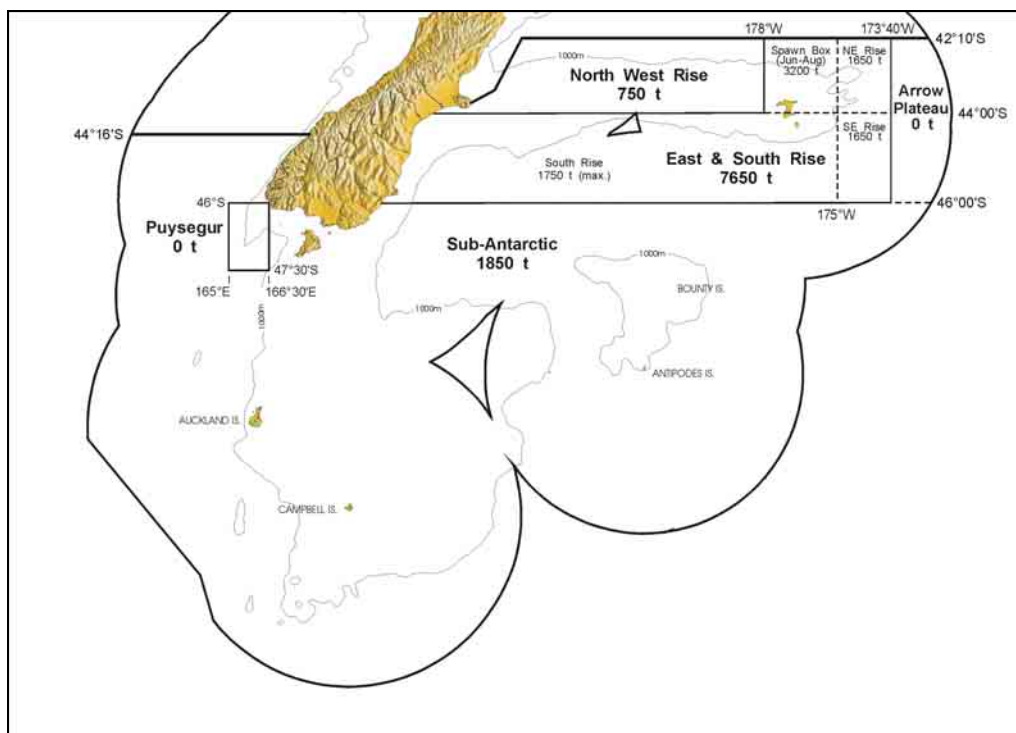


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PART 3: ORH SUB-AREA CATCH SPREADING, CONTINUED

Figure 2:

ORH3B designated sub-area boundaries (North-West Rise, East Rise & South Rise, Arrow Plateau, Sub-Antarctic and Puysegur), and East & South Rise sub-area component boundaries (Spawn Box (1 Jun- 31 Aug), Spawn Box + Northeast Rise (1 Oct – 31 May + Sep), Southeast Rise (1 Oct – 30 Sep)).



ORH2A and ORH3B Sub-Area Catch Limits and Reporting Requirements

The ORH2A and ORH3B sub-area catch limits have been allocated on a *pro rata* basis (see Appendix 1 & 2).

Catch reports required by DWG are as follows:

- Reports to be submitted monthly, by the 20th of the month following the month in which the catch was made and submitted to the DWG by fax. Reporting by email, using an Excel spreadsheet attachment, is encouraged (electronic reporting templates are available on request)
- For reporting by email - dwg@fishinfo.co.nz
- For reporting by fax – (03) 545 7021

PART 4: ORH3B SUB-ANTARCTIC CATCH SPREADING

ORH3B Sub-Antarctic Catch Spreading

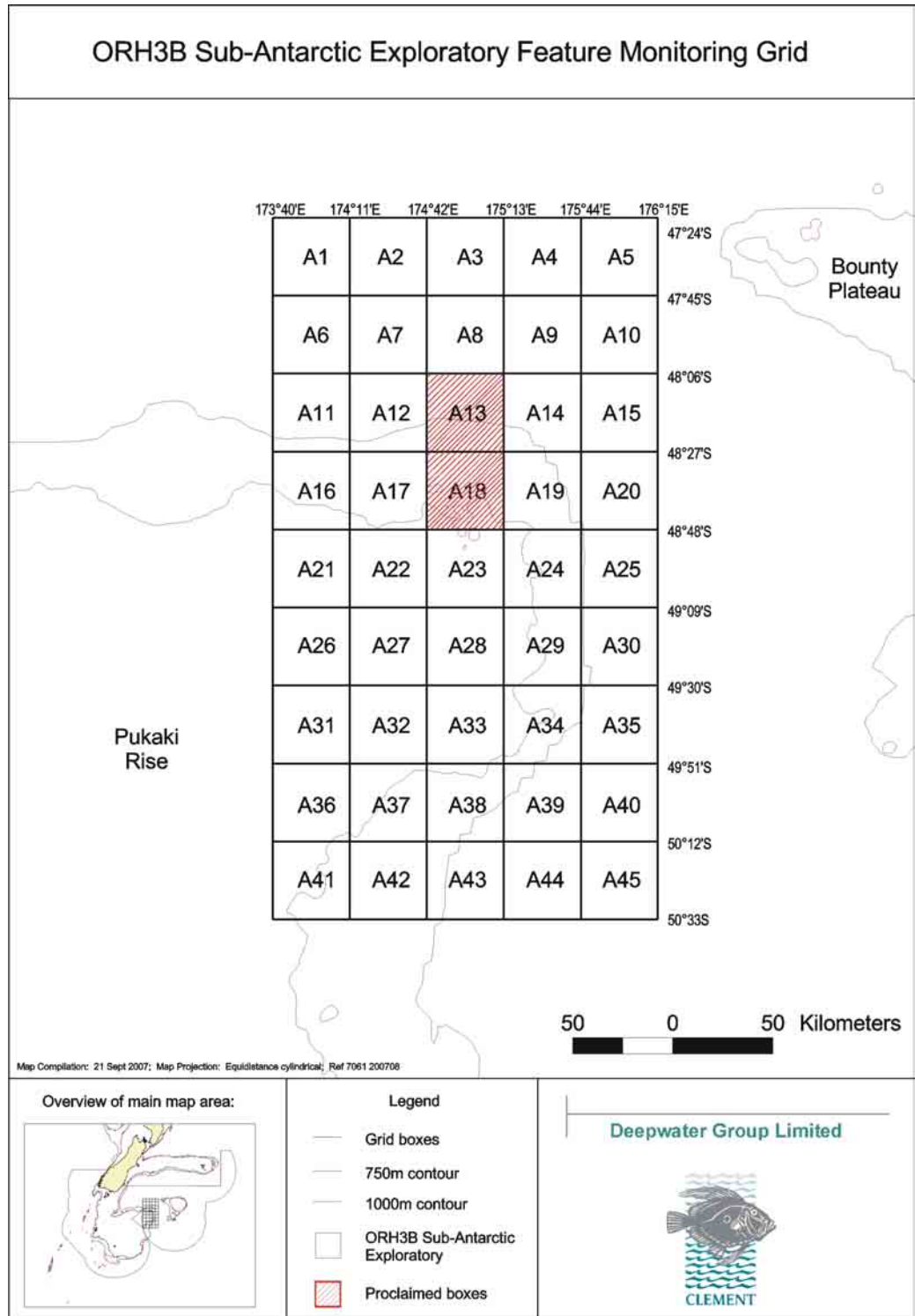
Sub-Antarctic sub-area management:

- The northeast Pukaki Rise has been divided up into a 20 nm x 20 nm grid (see Figure 3)
- 500 t (greenweight) limits apply for each box in this grid (i.e. subject to the maximum 1,850 t catch limit for the entire Sub-Antarctic sub-area of ORH3B EXP)
- Where 500 t limits have previously been reached the boxes have been designated as 'proclaimed boxes'
- The two proclaimed boxes on the north Pukaki Rise are:
 - Priceless box (Grid Box A13)
 - a. *Box co-ordinates:* 48°06' – 48°27'S, 174°42' – 175°13'E
 - Note:* Co-ordinates defining the Priceless box for 2007/08 have been revised to align with the grid (see Figure 3)
 - New box (Grid Box A18)
 - b. *Box co-ordinates:* 48°27' – 48°48'S, 174°42' – 175°13'E
- An independent observer must be carried when intending to fish in a proclaimed box to verify catches, catch composition and to collect biological information
- Companies to notify DWG of their intention to fish within a proclaimed box prior to sailing and to confirm observer participation
- If 500 t (greenweight) ORH is caught from any grid box or single topographical feature, DWG will advise that a proclaimed box has been established and it will be closed for the rest of the fishing year. Vessels will agree to move out of the area
- Once a proclaimed box has been established for ORH, OEO6 target fishing is permitted *in the box under the following conditions:*
 - An independent observer is onboard to verify catch, catch locality and catch composition
 - Daily catch reports are provided to DWG

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PART 4: ORH3B SUB-ANTARCTIC CATCH SPREADING, CONTINUED

Figure 3: The Sub-Antarctic sub-area illustrating the northeast Pukaki Rise grid and two proclaimed topographic features, Priceless box (A13) and New box (A18).



PART 5: ORH3B SUB-ANTARCTIC CATCH REPORTS

ORH3B Sub-Antarctic Catch Reporting

Catch reports required by DWG are as follows:

Fishing within proclaimed boxes

- Daily ORH catch reports to DWG (i.e. directly or via vessel's shore manager)
 - Reports to specify the following:
 - Date of catch
 - Proclaimed box (i.e. Priceless box or New box)
 - ORH catch (greenweight kg)
 - Reports required by 17:00hrs for each day's fishing
 - For reporting by email - dwg@fishinfo.co.nz
 - For reporting by fax – (03) 545 7021
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Fishing outside of proclaimed boxes

- Weekly reports to DWG (i.e. via vessel's shore manager)
 - Reports required by 17:00hrs every Tuesday
 - Reports to specify the following:
 - Reporting period (i.e. dates)
 - For catch taken within the northeast Pukaki Rise grid:
 - a. Box reference number/s
 - b. ORH catch (greenweight kg) from each box
 - For catches taken elsewhere in Sub-Antarctic:
 - c. Area description (e.g. Bounties; west Pukaki etc.)
 - d. ORH catch (greenweight kg) from each area
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PART 6: OEO1 AND OEO3A CATCH MANAGEMENT

OEO1 and OEO3A Catch Management

Shareholders have agreed to OEO catch management in the OEO1 Southland sub-area and in the OEO3A quota management area, as illustrated in Table 2. The OEO1 Southland sub-area boundaries are illustrated in Figure 4.

Note: These catch limits include any fish taken as bycatch to other fisheries

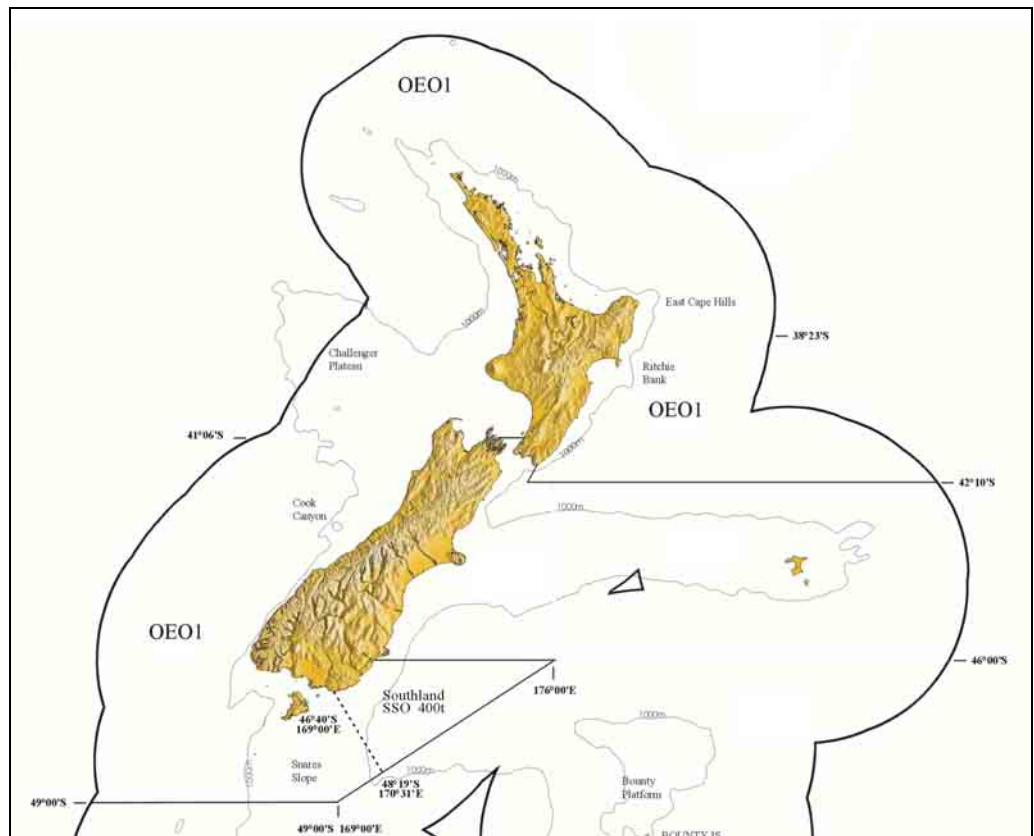
Table 2:

Catch limits for SSO in OEO1 Southland sub-area and for BOE and SSO in the OEO3A Quota Management Area for 2007/08

Fish Stock	Species	Catch Limits (include bycatch)
OEO1 Southland	Smooth (SSO)	400 t
OEO3A	Smooth (SSO)	1,400 t (45.161%)
	Black (BOE)	1,700 t (54.839%)
	Spiky (SOR)	Included under BOE

Figure 4:

OEO1 Southland sub-area boundaries (the dashed line is equivalent to the boundary line between FMAs 3 and 5). A 400 t SSO catch limit applies.



PART 7: OEO CATCH LIMITS AND REPORTING

OEO Catch Limits and Reporting

The OEO1 Southland SSO catch limit (400 t) has been allocated on a *pro rata* basis for 2007/08 (see Appendix 3). **Note: This is a new arrangement for 2007/08.**

The OEO3A BOE and SSO *pro rata* catch limits are provided in Appendix 3.

Catch reports required by DWG are as follows:

- Reports to be submitted monthly, by the 20th of the month following the month in which the catch was made to the DWG by fax or email. Reporting by email, using an Excel spreadsheet attachment, is encouraged. Electronic reporting templates will be forwarded to companies on request.
 - For reporting by email - dwg@fishinfo.co.nz
 - For reporting by fax – (03) 545 7021
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Implementation of Sub-Area Rules on Leased or Purchased ACE

Quota owners have agreed to consistently apply sub-area catch spreading rules to any leased and/or purchased ACE.

APPENDIX 1: ORH3B SUB-AREA QUOTA OWNERSHIP AND CATCH LIMITS

Table 1: ORH3B Designated Sub-Area Catch Limits for 2007-08

As on 22 August 2007	ORH3B Quota (kg)	ORH3B NWCR	ORH3B East & South Rise	ORH3B Sub-Antarctic	ORH3B Research
Shareholders	10,500,000	750,000	7,650,000	1,850,000	250,000
Group 1					
Pupuri Taonga Limited	3,803,839	271,703	2,771,368	670,200	90,568
Sanford Limited	3,650,911	260,779	2,659,950	643,256	86,926
Talley's Group Management Limited	1,034,288	73,878	753,553	182,232	24,626
Vela Quota Number One Limited	611,935	43,710	445,838	107,817	14,570
Group 2					
Southfish Limited	352,488	25,178	256,812	62,105	8,393
KPF Investments Limited	196,393	14,028	143,086	34,603	4,676
Te Ohu Kai Moana Trustee Limited	177,334	12,667	129,201	31,245	4,222
Ngati Mutunga O Wharekauri Asset Holding Co Ltd	147,952	10,568	107,793	26,068	3,523
Hokotehi Settlement Quota Holding Co Ltd	147,568	10,541	107,514	26,000	3,514
Ngapuhi Fisheries Limited	77,449	5,532	56,427	13,646	1,844
Ngati Porou Seafoods Limited	45,940	3,281	33,471	8,094	1,094
Ngati Ruanui Fishing Limited	4,098	293	2,986	722	98
Te Aitanga A Mahaki Trust Asset Holding Co Ltd	3,251	232	2,368	573	77
Whaingaroa Fisheries Company Limited	1,473	105	1,073	260	35
Ngati Rarua Asset Holding Company Limited	581	42	424	102	14
Sub-totals	10,255,500	732,536	7,471,864	1,806,921	244,179
Non-shareholders					
Sub-totals	244,500	17,464	178,136	43,079	5,821
Totals	10,500,000	750,000	7,650,000	1,850,000	250,000

	See Table 2 for catch limits within the East & South Rise
	Quota to be shelved with DWG
	unless purchased/leased by Group 1 companies

Table 2: Catch Limits within the East & South Rise

East Rise - 6,500 t maximum			South Rise
Spawn Box (Jun Aug)	Spawn Box & NE Rise (Oct-)	SE Rise (Oct-Sep)	1,750 t max (Oct-Sep)
3,200,000	1,650,000	1,650,000	1,750,000
1,159,265	597,746	597,746	633,973
1,112,659	573,715	573,715	608,485
315,212	162,531	162,531	172,381
186,494	96,161	96,161	101,989
107,425	55,391	55,391	58,748
59,853	30,862	30,862	32,732
54,045	27,867	27,867	29,556
45,090	23,250	23,250	24,659
44,973	23,189	23,189	24,595
23,603	12,171	12,171	12,908
14,001	7,219	7,219	7,657
1,249	644	644	683
991	511	511	542
449	232	232	246
177	91	91	97
3,125,486	1,611,579	1,611,579	1,709,250
74,514	38,421	38,421	40,750
3,200,000	1,650,000	1,650,000	1,750,000

These are maximum catch limits and their total should not exceed 7,650 t. The company catch total for these four sub-areas should not exceed the corresponding figure in Table 1, column "East & South Rise"

APPENDIX 2: ORH2A SUB-AREA QUOTA OWNERSHIP AND CATCH LIMITS

Table 1:

As of 22 August 2007		ORH2A	ORH2A	ORH2A
Shareholders		Quota (kg)	North	South
		1,100,000	200,000	900,000
Aotearoa Fisheries Limited		260,985	47,452	213,533
Esperance Fishing Co Limited		16,502	3,000	13,502
Gisborne Fisheries 1955 Limited		58,050	10,555	47,495
Hokotehi Settlement Quota Holding Co Ltd		73	13	60
Ngapuhi Fisheries Limited		13,027	2,369	10,659
Ngati Mutunga O Wharekauri Asset Holding Co Ltd		138	25	113
Ngati Porou Seafoods Limited		7,727	1,405	6,322
Ngati Rarua Asset Holding Company Limited		98	18	80
Ngati Ruanui Fishing Limited		689	125	564
Pupuri Taonga Limited		289,658	52,665	236,993
Sanford Limited		291,584	53,015	238,569
Talley's Group Management Limited		39,310	7,147	32,163
Te Aitanga A Mahaki Trust Asset Holding Co Ltd		547	99	447
Te Ohu Kai Moana Trustee Limited		46,327	8,423	37,904
Vela Quota Number One Limited		13,861	2,520	11,341
Whaingaroa Fisheries Company Limited		248	45	203
	Sub-totals	1,038,824	188,877	849,947
Non-shareholders				
	Sub-totals	61,176	11,123	50,053
Totals		1,100,000	200,000	900,000

APPENDIX 3: OEO1 AND OEO3A QUOTA AND SUB-AREA CATCH LIMITS

Table 1:

As of 22 August 2007		OEO1	OEO1	OEO3A	BOE 3A	SSO 3A
Shareholders		Quota (kg)	Southland SSO	Quota (kg)	ACE (kg)	ACE (kg)
		2,500,000	400,000	3,100,000	1,700,000	1,400,000
Aotearoa Fisheries Limited		2,482	397	5,368	2,944	2,424
Esperance Fishing Co Limited		5,464	874			
Gisborne Fisheries 1955 Limited		348	56			
Hokotehi Settlement Quota Holding Co Ltd		2,204	353	206	113	93
Independent Fisheries Holdings Limited		19,553	3,129			
KPF Investments Limited		197,804	31,649	80,675	44,241	36,434
McDonald & Brown Limited		1,290	206	3,834	2,103	1,732
Ngai Tahu Seafood Resources Limited		370	59	920	505	416
Ngapuhi Fisheries Limited		29,285	4,686	36,713	20,133	16,580
Ngati Mutunga O Wharekauri Asset Holding Co Ltd		2,349	376	388	213	175
Ngati Porou Seafoods Limited		17,371	2,779	21,777	11,942	9,835
Ngati Rarua Asset Holding Company Limited		220	35	276	151	124
Ngati Ruanui Fishing Limited		1,550	248	1,943	1,065	877
Ocean Products Limited		18,514	2,962	30,062	16,485	13,576
Pupuri Taonga Limited		768,673	122,988	900,890	494,036	406,853
Sanford Limited		536,127	85,780	1,045,280	573,218	472,062
Seaford Holdings Limited		16,877	2,700			
Southfish Limited		100,540	16,086	62,850	34,466	28,384
Talley's Group Management Limited		435,155	69,625	578,528	317,257	261,271
Te Aitanga A Mahaki Trust Asset Holding Co Ltd		1,229	197	1,541	845	696
Te Ohu Kai Moana Trustee Limited		102,784	16,445	130,559	71,597	58,962
Vela Quota Number One Limited		145,437	23,270	81,595	44,746	36,849
Whaingaroa Fisheries Company Limited		557	89	698	383	315
	Sub-totals	2,406,184	384,989	2,984,100	1,636,442	1,347,658
Non-shareholders						
	Sub-totals	93,816	15,011	115,900	63,558	52,342
Totals		2,500,000	400,000	3,100,000	1,700,000	1,400,000