

1. MSC Assessment of New Zealand Hake Fisheries

Hake (*Merluccius australis*)

Fisheries:

- Trawl: HAK1, HAK4 and HAK7



MSC Assessment Reference List

Hoki MSC Report

Principle 1:

P.I.	80 Scoring Guidelines	Fishery	References
1.1.1	Stock Status - Stock at a level which maintains high productivity	HAK1	<ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • Horn, P.L. (2013). Stock assessment of hake (<i>Merluccius australis</i>) in the Sub-Antarctic (part of HAK 1) for the 2011–12 fishing year. <i>New Zealand Fisheries Assessment Report 2013/5</i>. 52 p.
		HAK4	<ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • Horn, P.L. (2013). Stock assessment of hake (<i>Merluccius australis</i>) on the Chatham Rise (HAK 4) and off the west coast of South Island (HAK 7) for the 2012–13 fishing year. <i>New Zealand Fisheries Assessment Report 2013/31</i> 58 p.
		HAK7	<ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • Horn, P.L. (2013). Stock assessment of hake (<i>Merluccius australis</i>) on the Chatham Rise (HAK 4) and off the west coast of South Island (HAK 7) for the 2012–13 fishing year. <i>New Zealand Fisheries Assessment Report 2013/31</i> 58 p.
1.1.2	Reference Points - Appropriate limits and reference points for the stock	ALL	<ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • MPI (2011) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard (Review)</i>. Ministry of Fisheries. June 2011. 80p • MPI (2008) <i>Harvest Strategy Standard for New Zealand</i>

			<p><i>Fisheries</i>. Ministry of Fisheries. October 2008. 30p</p> <ul style="list-style-type: none"> • MPI (2007) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard</i>. Ministry of Fisheries. December 2007. 68p
1.1.3	Stock Rebuilding - Where stock depleted - there is evidence of rebuilding	ALL	<ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • Bagley, N.W.; O'Driscoll, R.L.; Oeffner, J. (2013). Trawl survey of hoki and middle-depth species in the Southland and Sub-Antarctic areas, November–December 2011 (TAN1117). <i>New Zealand Fisheries Assessment Report 2013/23</i>. 70 p • Bagley, N.W.; O'Driscoll, R.L. (2012). Trawl survey of middle depth species in the Southland and Sub-Antarctic areas, November–December 2009 (TAN0911). <i>New Zealand Fisheries Assessment Report 2012/05</i>. 70p. • Ballara, S.L. (2012). Descriptive analysis of the fishery for hake (<i>Merluccius australis</i>) in HAK 1, 4 and 7 from 1989–90 to 2009–10, and a catch-per-unit-effort (CPUE) analysis for Sub-Antarctic hake. <i>New Zealand Fisheries Assessment Report 2012/02</i>. 47p. • Stevens, D.W.; O'Driscoll, R.L.; Dunn, M.R.; Ballara, S.L.; Horn, P.L. (2012). <i>Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101)</i>. <i>New Zealand Fisheries Assessment Report 2012/10</i>. 98 p.
1.2.1	Harvest Strategy - Precautionary and robust harvest strategy in place	ALL	<ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • MPI (2011) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard (Review)</i>. Ministry of Fisheries. June 2011. 80p • MPI (2013) National Fishing Plan Deepwater and Middle-depth Fisheries Part 1B - Hake. Ministry for Primary Industries • MPI (2008) <i>Harvest Strategy Standard for New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p • MPI (2007) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard</i>. Ministry of Fisheries. December 2007. 68p • MPI (2006) <i>Harvest Strategy Standard – Standards for Stocks managed under s 13 of the Fisheries Act. Discussion Document</i>. Ministry of Fisheries. November 2006. 50p
1.2.2	Harvest Control Rules & Tools - Well defined harvest control rules in place	ALL	<ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • MPI (2012) Annual Operational Plan for Deepwater Fisheries 2012-13. July 2012. 71p • MPI (2011) Annual Operational Plan for Deepwater Fisheries 2011-12. July 2011. 75p • MPI (2011) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard</i>. Ministry of Fisheries. June 2011. 80p • MPI (2008) <i>Harvest Strategy Standard for New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p

1.2.3	<p>Information & Monitoring - Relevant Information collected to support harvest strategy</p>	ALL	<ul style="list-style-type: none"> • MPI (2013) Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391 • MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p • MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p • MPI (2011) <i>Annual Operational Plan for Deepwater Fisheries 2011-12</i>. July 2011. 75p • MPI (2011) <i>Research and Science Information Standard for the New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p • MPI (2011) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard</i>. Ministry of Fisheries. June 2011. 80p • MPI (2011) <i>Science Working Groups - Terms of Reference</i>. 8p • MPI (2010) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1A</i>. Ministry for Primary Industries • MPI (2013) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1B - Hake</i>. Ministry for Primary Industries • MPI (2010) <i>10 Year Research Programme for Deepwater Fisheries</i>. Ministry of Fisheries. 148p • MPI (2008) <i>Harvest Strategy Standard for New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p • Stevens, D., O'Driscoll, R.L., Dunn, M., Ballara, S., & Horn, P. (2012). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101). New Zealand Fisheries Assessment Report 2012/10. 98 p • Stevens, D., O'Driscoll, R., Dunn, M., McGibbon, D., Horn, P. & Gautier, S (2011). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2010 (TAN1001). New Zealand Fisheries Assessment Report 2011/10. 112 p
1.2.4	<p>Assessment of Stock Status - Assessment of stock status is adequate</p>	ALL	<ul style="list-style-type: none"> • MPI (2013) Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391 • Bagley, N.W.; O'Driscoll, R.L.; Oeffner, J. (2013). Trawl survey of hoki and middle-depth species in the Southland and Sub-Antarctic areas, November–December 2011 (TAN1117). New Zealand Fisheries Assessment Report 2013/23. 70 p • Horn, P.L. (2013). Stock assessment of hake (<i>Merluccius australis</i>) in the Sub-Antarctic (part of HAK 1) for the 2011–12 fishing year. New Zealand Fisheries Assessment Report 2013/5. 52 p. • Horn, P.L.; Sutton, C.P. (2013). Catch-at-age for hake (<i>Merluccius australis</i>) and ling (<i>Genypterus blacodes</i>) in the 2010–11 fishing year and from trawl surveys in summer 2011–12, with a summary of all available data sets. New Zealand Fisheries Assessment Report 2013/19. 51 p. • Horn, P.L. (2013). Stock assessment of hake (<i>Merluccius australis</i>) on the Chatham Rise (HAK 4) and off the west coast of South Island (HAK 7) for the 2012–13 fishing year. New Zealand Fisheries Assessment Report 2013/31 58 n

		<ul style="list-style-type: none"> • Bagley, N.W.; O'Driscoll, R.L. (2012). Trawl survey of middle depth species in the Southland and Sub-Antarctic areas, November–December 2009 (TAN0911). New Zealand Fisheries Assessment Report 2012/05. 70p. • Ballara, S.L. (2012). Descriptive analysis of the fishery for hake (<i>Merluccius australis</i>) in HAK 1, 4 and 7 from 1989–90 to 2009–10, and a catch-per-unit-effort (CPUE) analysis for Sub-Antarctic hake. New Zealand Fisheries Assessment Report 2012/02.47p. • Stevens, D., O'Driscoll, R.L., Dunn, M., Ballara, S., & Horn, P. (2012). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101). New Zealand Fisheries Assessment Report 2012/10. 98 p.
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Principle 2:

P.I.	80 Scoring Guidelines	Score	Rationale
2.1.1	Retained Species Outcome - Does not cause serious or irreversible harm to retained species.	ALL	<ul style="list-style-type: none"> • DWG & MPI (2013) Hake and Ling Fishery Observer Programme Report. Unpublished Report held by DWG Sep 2013. • Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p. • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates.</i> <ul style="list-style-type: none"> ○ <i>Volume 1: Introduction to Jack Mackerel</i>. Ministry for Primary Industries. May 2013. ○ <i>Volume 2: John Dory to Red Gurnard</i>. Ministry for Primary Industries. May 2013. ○ <i>Volume 3: Red Snapper to Yellow eyed Mullet</i>. Ministry for Primary Industries. May 2013. • O'Driscoll et al. (2011) A review of hoki and middle-depth trawl surveys of the Chatham Rise 1992-2010 –New Zealand Fisheries Assessment Report 2011/47 • Bagley, N. & O'Driscoll, R. (2012). Trawl survey of middle depth species in the Southland and Sub-Antarctic areas, November–December 2009 (TAN0911). New Zealand Fisheries Assessment Report 2012/05. 70p. • Stevens, D., O'Driscoll, R.L., Dunn, M., Ballara, S., & Horn, P. (2012). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101). New Zealand Fisheries Assessment Report 2012/10. 98 p • Stevens, D., O'Driscoll, R., Dunn, M., McGibbon, D., Horn, P. & Gautier, S (2011). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2010 (TAN1001). New Zealand Fisheries Assessment Report 2011/10. 112 p
2.1.2	Retained Species Management - Strategy in place for managing retained species	ALL	<ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates.</i> <ul style="list-style-type: none"> ○ <i>Volume 1: Introduction to Jack Mackerel</i>. Ministry for Primary Industries. May 2013. ○ <i>Volume 2: John Dory to Red Gurnard</i>. Ministry for Primary Industries. May 2013. ○ <i>Volume 3: Red Snapper to Yellow eyed Mullet</i>.

			<p>Ministry for Primary Industries. May 2013.</p> <ul style="list-style-type: none"> • MPI (2008) <i>Harvest Strategy Standard for New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p • MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p • MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p • MPI (2011) <i>Annual Operational Plan for Deepwater Fisheries 2011-12</i>. July 2011. 75p
2.1.3	<p>Retained Species Information - Relevant information to help manage retained species</p>	ALL	<ul style="list-style-type: none"> • Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p • Bagley, N & O'Driscoll, R. (2012). Trawl survey of middle depth species in the Southland and Sub-Antarctic areas, November–December 2009 (TAN0911). New Zealand Fisheries Assessment Report 2012/05. 70p. • Ballara, S., O'Driscoll, R., & Anderson, O (2010). Fish discards and non-target fish catch in the trawl fisheries for hoki, hake, and ling in New Zealand waters. New Zealand Aquatic Environment and Biodiversity Report No. 48. 100p • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates</i>. <ul style="list-style-type: none"> ○ <i>Volume 1: Introduction to Jack Mackerel</i>. Ministry for Primary Industries. May 2013. ○ <i>Volume 2: John Dory to Red Gurnard</i>. Ministry for Primary Industries. May 2013. ○ <i>Volume 3: Red Snapper to Yellow eyed Mullet</i>. Ministry for Primary Industries. May 2013. • O'Driscoll et al. (2011) A review of hoki and middle-depth trawl surveys of the Chatham Rise 1992-2010 –New Zealand Fisheries Assessment Report 2011/47 • MPI. (2010) <i>National Fisheries Plan for Deepwater and Middle-depth Fisheries</i>. Part 1A • MPI. (2010) <i>National Fisheries Plan for Deepwater and Middle-depth Fisheries</i>. Part 1B Hake • Stevens, D., O'Driscoll, R., Dunn, M., Ballara, S., & Horn, P. (2012). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101). New Zealand Fisheries Assessment Report 2012/10. 98 p • Stevens, D., O'Driscoll, R., Dunn, M., McGibbon, D., Horn, P. & Gautier, S (2011). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2010 (TAN1001). New Zealand Fisheries Assessment Report 2011/10. 112 p
2.2.1	<p>By-catch Species Outcome - Does not cause serious or irreversible harm to by-catch species</p>	ALL	<ul style="list-style-type: none"> • DWG & MPI (2013) <i>Hake and Ling Fishery Observer Programme Report</i>. Unpublished Report held by DWG Sep 2013. • Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p • Bagley, N & O'Driscoll, R. (2012). Trawl survey of middle depth species in the Southland and Sub-Antarctic areas, November–December 2009 (TAN0911). New Zealand Fisheries Assessment Report 2012/05. 70p. • Ballara, S., O'Driscoll, R., & Anderson, O (2010). Fish discards and non-target fish catch in the trawl fisheries for hoki, hake, and ling in New Zealand waters. New Zealand

		<p>Aquatic Environment and Biodiversity Report No. 48. 100p</p> <ul style="list-style-type: none"> • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates.</i> <ul style="list-style-type: none"> ○ <i>Volume 1: Introduction to Jack Mackerel.</i> Ministry for Primary Industries. May 2013. ○ <i>Volume 2: John Dory to Red Gurnard.</i> Ministry for Primary Industries. May 2013. ○ <i>Volume 3: Red Snapper to Yellow eyed Mullet.</i> Ministry for Primary Industries. May 2013. • O'Driscoll et al. (2011) <i>A review of hoki and middle-depth trawl surveys of the Chatham Rise 1992-2010 –New Zealand Fisheries Assessment Report 2011/47</i> • Stevens, D., O'Driscoll, R., Dunn, M., Ballara, S., & Horn, P. (2012). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101). New Zealand Fisheries Assessment Report 2012/10. 98 p • Stevens, D., O'Driscoll, R., Dunn, M., McGibbon, D., Horn, P. & Gautier, S (2011). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2010 (TAN1001). New Zealand Fisheries Assessment Report 2011/10. 112 p • Stevens et al (2010) <i>Age, growth, and maturity of four New Zealand rattail species.</i> New Zealand Aquatic Environment and Biodiversity Report No. 59. 39p.
2.2.2	<p>By-catch Species Management - Strategy in place for managing by-catch species</p>	<ul style="list-style-type: none"> • MPI (2012) Aquatic Environment and Biodiversity Annual Review. 390p (see By-catch species pp 120 –158) • MPI (2010) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1B – Hake.</i> • MPI (2010). <i>Introduction of Bladder Kelp Seaweed, Macrocystispyrifera (KBB), in Fisheries Management Areas 3 and 4 into the Quota Management System on 1 October 2010.</i> Final Advice Paper .24 September 2009. • MPI. (2010). <i>Introduction of Patagonian Toothfish (PTO) into the Quota Management System on 1 October 2010:</i> Final Advice Paper. 15 February 2010. • MPI (2008) Final Advice Paper - Identification of Candidate Stocks for QMS Introduction • MPI (2008) QMS Introduction Process Standard – Executive Summary • O'Driscoll et al. (2011) <i>A review of hoki and middle-depth trawl surveys of the Chatham Rise 1992-2010 - FAR 47</i>
2.2.3	<p>By-catch Species Information - Relevant information to help manage by-catch species</p>	<ul style="list-style-type: none"> • DWG & MPI (2013) <i>Hake and Ling Fishery Observer Programme Report. Unpublished Report held by DWG Sep 2013.</i> • Bagley, N & O'Driscoll, R. (2012). Trawl survey of middle depth species in the Southland and Sub-Antarctic areas, November–December 2009 (TAN0911). New Zealand Fisheries Assessment Report 2012/05. 70p. • Ballara, S., O'Driscoll, R., & Anderson, O (2010).Fish discards and non-target fish catch in the trawl fisheries for hoki, hake, and ling in New Zealand waters. New Zealand Aquatic Environment and Biodiversity Report No. 48. 100p • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates.</i> <ul style="list-style-type: none"> ○ <i>Volume 1: Introduction to Jack Mackerel.</i> Ministry for Primary Industries. May 2013. ○ <i>Volume 2: John Dory to Red Gurnard.</i> Ministry for Primary Industries. May 2013. ○ <i>Volume 3: Red Snapper to Yellow eyed Mullet.</i>

2.3.1

ETP Species Outcome - Meets national and international requirements for EPTs protection

- Ministry for Primary Industries. May 2013.
 - ODriscoll et al. (2011) A review of hoki and middle-depth trawl surveys of the Chatham Rise 1992-2010 - FAR 47
 - Ramm. (2011). Conservation Services Programme Observer Report: 1st July 2009 to 30 June 2010. Marine Conservation Services, Department of Conservation.
 - Ramm. (2010). Conservation Services Programme Observer Report: 1 July 2008 to 30 June 2009, Final Draft. Marine Conservation Services, Department of Conservation.
 - Stevens, D., O'Driscoll, R., Dunn, M., Ballara, S., & Horn, P. (2012). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101). New Zealand Fisheries Assessment Report 2012/10. 98 p
 - Stevens, D., O'Driscoll, R., Dunn, M., McGibbon, D., Horn, P. & Gautier, S (2011). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2010 (TAN1001). New Zealand Fisheries Assessment Report 2011/10. 112 p
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- **DWG & MPI (2013) Hake and Ling Fishery Observer Programme Report. Unpublished Report held by DWG Sep 2013.**
 - **Dragonfly (2013) Protected Species Webpage printouts for Interaction with Hake Fisheries. Sep 2013**
 - Akroyd, J., Pierre, J. & Punt, A. (2012) *NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5*. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p
 - Baird et al (2012) *Distribution of Protected Corals in New Zealand*. Department of Conservation. 95p
 - Francis, M., & Sutton, P (2012) *Basking Shark Bycatch Review Final Report (Draft): Possible factors affecting bycatch of basking sharks (Cetorhinus maximus) in New Zealand trawl fisheries*. Draft Report prepared for Department of Conservation. 38p
 - Francis, R (2012) Fisheries Risks to the Population Viability of White-capped Albatross - *New Zealand Aquatic Environment and Biodiversity Report No.105*
 - Francis, M., & Lyon, W (2012) *Review of commercial fishery interactions and population information for eight New Zealand protected fish species*. Final Report prepared for Department of Conservation. 74p
 - MPI (2012) Aquatic Environment and Biodiversity Annual Review. 390p (see ETP species pp 16-119)
 - Richard & Abraham (2013a) Risk of commercial fisheries to New Zealand seabird populations. *New Zealand Aquatic Environment and Biodiversity Report No. 109*
 - Richard & Abraham (2013b) Risk of commercial fisheries to New Zealand seabird populations: *Supplementary information: Supplement to New Zealand Aquatic Environment and Biodiversity Report No. 109*
 - Richard & Abraham (2013c) Application of Potential Biological Removal methods to seabird populations (Seabird PBR) - *New Zealand Aquatic Environment and Biodiversity Report No. 108*
 - Richard, Abraham and Filippi (2011) Assessment of the risk to seabird populations from New Zealand commercial fisheries. *Final Research Report prepared for the Ministry of Fisheries (project IPA2009/19, Objective 1 Milestone 4; project IPA2009/20, Objective 1, Milestone 4)* 66p.
 - Rowe (2010b) Level 1 Risk Assessment for Incidental

		<p>Seabird Mortality Associated with New Zealand Fisheries in the NZ-EEZ. Dept of Conservation. 75p</p> <ul style="list-style-type: none"> • Thompson, F., Abraham, E., & Berkenbusch, K. (2013) Common Dolphin Interactions In New Zealand Commercial Trawl Fisheries. PLoS ONE 8(5): e64438. • Thompson, F., Berkenbusch, K. & Abraham, E. (2013) Marine Mammal bycatch in New Zealand Fisheries, 1995-96 to 2010-11. <i>New Zealand Aquatic Environment and Biodiversity Report No. 105</i>. 77p • Tracey et al (2011a) <i>Distribution of protected corals in relation to fishing effort and assessment of accuracy of observer identification</i>. Report prepared for DOC. June 2011. 70p
2.3.2	<p>ETP Species Management - Precautionary management strategies in place</p> <p>(</p>	<ul style="list-style-type: none"> • DOC (2013) Conservation Services Programme Annual Plan 2013/14. Dept. of Conservation • DWG (2012) Marine Mammals Operational Procedures (v7) 2011-12 and Vessel Management Plans. September 2012. • Fisheries Commercial Regulations 2001: Reprint as 1t 12 May 2011 (SR 2001/253) • MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p • MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p • MPI (2011) Draft Seabirds Policy for addressing fishing related mortality of Seabirds. May 2011. 18p • MPI (2010) Final Advice Paper - Review of Sustainability Measures (01 Dec 2010) – BSK • MPI (2010) Initial Position Paper & Submissions - Review of Sustainability Measures (01 Dec 2010) Vol2 - BSK • MPI (2007) <i>Proposals for managing the fishing-related mortality of seabirds - Draft for public consultation</i>. • Ramm. (2011). Conservation Services Programme Observer Report: 1st July 2009 to 30 June 2010. Marine Conservation Services, Department of Conservation. • Ramm. (2010). Conservation Services Programme Observer Report: 1 July 2008 to 30 June 2009, Final Draft. Marine Conservation Services, Department of Conservation
2.3.3	<p>ETP Species Information - Relevant information to support management of impacts on EPTs</p>	<ul style="list-style-type: none"> • DWG & MPI (2013) <i>Hake and Ling Fishery Observer Programme Report</i>. Unpublished Report held by DWG Sep 2013. • Dragonfly (2013) Protected Species Webpage printouts for Interaction with Hake Fisheries. Sep 2013 • Baird et al (2012) Distribution of Protected Corals in New Zealand. Department of Conservation. 95p • DOC (2013) Conservation Services Programme Annual Plan 2013/14. Dept. of Conservation
2.4.1	<p>Habitats Outcome - The fishery does not cause serious or irreversible harm to habitat structure, considered on a regional or bioregional basis and function</p>	<ul style="list-style-type: none"> • Black, J. (2013) <i>Hake & Ling Trawl Footprint Analyses. Letter Report for Deepwater Group. GNS Science</i> • Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p • Baird et al (2012) <i>Distribution of Protected Corals in New Zealand</i>. Department of Conservation. 95p • Black, J, Wood, R, Berthelsen, T & Tilney R (2013) Monitoring New Zealand's trawl footprint for deepwater fisheries: 1989–90 to 2009–10. <i>New Zealand Aquatic Environment and Biodiversity Report No. 110</i>

		<ul style="list-style-type: none"> • Black, J, Wood, R, Berthelsen, T & Tilney R (2013) Monitoring New Zealand’s trawl footprint for deepwater fisheries: 1989–90 to 2009–10. <i>New Zealand Aquatic Environment and Biodiversity Report No. 110</i> <ul style="list-style-type: none"> ○ Hake Footprint tables ○ Hake Footprint figures 1-8 • Bowden, D (2010) Benthic Invertebrate samples from Ocean Survey 2020 voyages to the Chatham Rise and Challenger Plateau, 2007 <i>New Zealand Aquatic Environment and Biodiversity Report No. 65</i> • Floerl, O., Hewitt, J., & Bowden, D (2011) Chatham-Challenger Ocean Survey 20/20 Post Voyage analyses: Objective 9 – Patterns in Species Composition - <i>New Zealand Aquatic Environment and Biodiversity Report No. 97</i> • Hewitt, J., Julian, K., & Bone, E (2011) Chatham–Challenger Ocean Survey 20/20 Post-Voyage Analyses: Objective 10 – Biotic habitats and their sensitivity to physical disturbance <i>New Zealand Aquatic Environment and Biodiversity Report No. 81</i> • MPI (2012) Aquatic Environment and Biodiversity Annual Review. 390p (see Benthic Impacts pp 159-186) • Nodder, S., Maas, E., Bowden, D., & Pilditch, C. (2011) Physical biogeochemical and microbial characteristics of sediment samples form the Chatham Rise and Challenger Plateau - <i>New Zealand Aquatic Environment and Biodiversity Report No. 70</i>
2.4.2	<p>Habitats Management - Information is adequate to determine risk of serious or irreversible harm to habitat types</p>	<ul style="list-style-type: none"> • Black, J. (2013) Hake and Ling Trawl Footprint Analyses. Letter Report for Deepwater Group. GNS Science • Black, J, Wood, R, Berthelsen, T & Tilney R (2013) Monitoring New Zealand’s trawl footprint for deepwater fisheries: 1989–90 to 2009–10. <i>New Zealand Aquatic Environment and Biodiversity Report No. 110</i> • DOC (2013) Conservation Services Programme Annual Plan 2013/14. Dept. of Conservation • Fisheries (Benthic Protection Areas) Regulations 2007 (SR 2007/308) • MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p • MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p • MPI. (2010) <i>National Fisheries Plan for Deepwater and Middle-depth Fisheries</i>. Part 1A • MPI. (2010) <i>National Fisheries Plan for Deepwater and Middle-depth Fisheries</i>. Part 1B Hake Fisheries.
2.4.3	<p>Habitats Information - Information is adequate to determine the risk posed to habitat types by the fishery and the effectiveness of the strategy to manage impacts on habitat type.</p>	<ul style="list-style-type: none"> • Black, J. (2013) Hake Trawl Footprint Analyses. Letter Report for Deepwater Group. GNS Science • Black, J, Wood, R, Berthelsen, T & Tilney R (2013) Monitoring New Zealand’s trawl footprint for deepwater fisheries: 1989–90 to 2009–10. <i>New Zealand Aquatic Environment and Biodiversity Report No. 110</i> • MPI (2012) Aquatic Environment and Biodiversity Annual Review. 390p (see Benthic Impacts pp 159-186) • Tracey et al. (2011) <i>Identification of Protected Corals: distribution in relation to fishing effort and accuracy of observer identifications</i>. Draft Final Report prepared for Marine Conservation Services (MCS), Department of Conservation. • Nodder et al (2011) Physical biogeochemical and microbial characteristics Chatham Rise - AEBR 70

2.5.1	<p>Ecosystem Outcome - The fishery does not cause serious or irreversible harm to the key elements of ecosystem structure and function.</p>	<ul style="list-style-type: none"> • DWG & MPI (2013) Hake and Ling Fishery Observer Programme Report. Unpublished Report held by DWG Sep 2013. • Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5.</i> September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p • Bagley, N & O'Driscoll, R. (2012). Trawl survey of middle depth species in the Southland and Sub-Antarctic areas, November–December 2009 (TAN0911). New Zealand Fisheries Assessment Report 2012/05. 70p. • Ballara, S., O'Driscoll, R., & Anderson, O (2010). Fish discards and non-target fish catch in the trawl fisheries for hoki, hake, and ling in New Zealand waters. New Zealand Aquatic Environment and Biodiversity Report No. 48. 100p • Dunn et al. (2013) <i>Trophic Interactions and Distribution of Some Squaliforme Sharks, Including New Diet Descriptions for Deania calcea and Squalus acanthias</i> PLoS ONE 8(3): e59938. doi:10.1371/journal.pone.0059938 • Knight et al (2011) <i>Sustainability of NZ's deepwater fisheries from an energetic perspective – an update.</i> Prepared for Deepwater Group Ltd. Cawthron Institute Report No. 2044. • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates.</i> <ul style="list-style-type: none"> ○ <i>Volume 1: Introduction to Jack Mackerel.</i> Ministry for Primary Industries. May 2013. ○ <i>Volume 2: John Dory to Red Gurnard.</i> Ministry for Primary Industries. May 2013. ○ <i>Volume 3: Red Snapper to Yellow eyed Mullet.</i> Ministry for Primary Industries. May 2013. • MPI (2012) Aquatic Environment and Biodiversity Annual Review. 390p (see Ecosystem Effects pp 187-205) • O'Driscoll et al. (2011) <i>A review of hoki and middle-depth trawl surveys of the Chatham Rise 1992-2010 –New Zealand Fisheries Assessment Report 2011/47</i> • Stevens, D., O'Driscoll, R., Dunn, M., Ballara, S., & Horn, P. (2012). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101). New Zealand Fisheries Assessment Report 2012/10. 98 p • Stevens, D., O'Driscoll, R., Dunn, M., McGibbon, D., Horn, P. & Gautier, S (2011). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2010 (TAN1001). New Zealand Fisheries Assessment Report 2011/10. 112 p • Stevens et al (2011) Diet of Fishes 1960 to 2000 - Aquatic Environment and Biodiversity Report 85
2.5.2	<p>Ecosystem Management - Measures are in place to mitigate risk to ecosystem structure and function.</p>	<ul style="list-style-type: none"> • DOC (2013) Conservation Services Programme Annual Plan 2013/14. Dept. of Conservation • Fisheries (Benthic Protection Areas) Regulations 2007 (SR 2007/308) • MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12.</i> June 2013. 78p • MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13.</i> July 2012. 71p • MPI. (2010) <i>National Fisheries Plan for Deepwater and Middle-depth Fisheries. Part 1A</i> • MPI. (2010) <i>National Fisheries Plan for Deepwater and Middle-depth Fisheries. Part Part 1B hake fisheries.</i>

		<ul style="list-style-type: none"> • MPI (2010). <i>Introduction of Bladder Kelp Seaweed, Macrocystispyrifera (KBB), in Fisheries Management Areas 3 and 4 into the Quota Management System on 1 October 2010</i>. Final Advice Paper .24 September 2009. • MPI. (2010). <i>Introduction of Patagonian Toothfish (PTO) into the Quota Management System on 1 October 2010</i>: Final Advice Paper. 15 February 2010. • MPI (2008) Final Advice Paper - Identification of Candidate Stocks for QMS Introduction • MPI (2008) QMS Introduction Process Standard – Executive Summary • O’Driscoll et al. (2011) A review of hoki and middle-depth trawl surveys of the Chatham Rise 1992-2010 - FAR 47
<p>2.5.3</p>	<p>Ecosystem Information - Adequate knowledge of impacts of fishery on the ecosystem</p>	<ul style="list-style-type: none"> • DWG & MPI (2013) <i>Hake and Ling Fishery Observer Programme Report</i>. Unpublished Report held by DWG Sep 2013. • Bagley, N & O’Driscoll, R. (2012). Trawl survey of middle depth species in the Southland and Sub-Antarctic areas, November–December 2009 (TAN0911). New Zealand Fisheries Assessment Report 2012/05. 70p. • Knight et al (2011) <i>Sustainability of NZ’s deepwater fisheries from an energetic perspective – an update</i>. Prepared for Deepwater Group Ltd. Cawthron Institute Report No. 2044. • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates</i>. <ul style="list-style-type: none"> ○ <i>Volume 1: Introduction to Jack Mackerel</i>. Ministry for Primary Industries. May 2013. ○ <i>Volume 2: John Dory to Red Gurnard</i>. Ministry for Primary Industries. May 2013. ○ <i>Volume 3: Red Snapper to Yellow eyed Mullet</i>. Ministry for Primary Industries. May 2013. • MPI (2012) Aquatic Environment and Biodiversity Annual Review. 390p (see Ecosystem Effects pp 187-205) • MPI. (2010) <i>National Fisheries Plan for Deepwater and Middle-depth Fisheries</i>. Part 1A • MPI (2013) National Fishing Plan Deepwater and Middle-depth Fisheries Part 1B -Hake. Ministry for Primary Industries. • MPI (2008) <i>Harvest Strategy Standard for New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p • O’Driscoll et al. (2011) <i>A review of hoki and middle-depth trawl surveys of the Chatham Rise 1992-2010 –New Zealand Fisheries Assessment Report 2011/47</i> • Stevens, D., O’Driscoll, R., Dunn, M., Ballara, S., & Horn, P. (2012). Trawl survey of hoki and middle depth species on the Chatham Rise, January 2011 (TAN1101). New Zealand Fisheries Assessment Report 2012/10. 98 p

Principle 3:

P.I.	80 Scoring Guidelines	Score	Rationale
3.1.1	Legal/Customary Framework - Management system exists with legal/customary framework • Is capable of delivering sustainable fisheries in accordance with MSC Principles 1 and 2;	ALL	<ul style="list-style-type: none"> Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p Deed of Settlement 1992. Her Majesty the Queen & Maori. DWG (2010) <i>Memorandum of Understanding between the Ministry of Fisheries and the DeepWater Group</i>. Continuing a partnership between the Ministry of Fisheries and the deepwater fishing industry for the management of New Zealand's deepwater fisheries. December 2010. 12p. Fisheries Act 1996 No 88. Fisheries Commercial Fishing Amendment Regulations No 2. 2009 Fisheries (Benthic Protection Areas) Regulations 2007 (SR 2007/308) Fisheries (Reporting) Regulations 2001 (SR 2001/188) Fisheries (Commercial Fishing) Regulations 2001 (SR 2001/ 253) Fisheries (Satellite Vessel Monitoring) Regulations 1993 (SR 1993/354) Treaty of Waitangi (Fisheries Claims) Settlement Act 1992 No 121. Lock, K and Leslie, S. (2007), <i>New Zealand's Quota Management System: A History of the First 20 Years</i>, Motu Working Paper 07-02. Motu Economic and Public Policy Research (April 2007). 75p.
3.1.2	Consultation, Roles & Responsibilities - Management system has clear processes	ALL	<ul style="list-style-type: none"> Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p Fisheries Act 1996 MPI (2013) Review of Management Controls for Ling 5 and 6 (LIN 5 & 6) MPI Discussion Paper No: 2013/25. July 2013. MPI (2013) Review of Management Controls for Ling 7 (LIN 7) MPI Discussion Paper No: 2013/26. July 2013. MPI (2010) Final Advice Paper - Review of Sustainability Measures (01 Dec 2010) – BSK MPI (2010) Initial Position Paper & Submissions - Review of Sustainability Measures (01 Dec 2010) Vol2 - BSK MPI (2010) Statement of Intent. Ministry of Fisheries MPI (2009) Stakeholder Consultation Process Standard. Ministry of Fisheries. 20p
3.1.3	Long Term Objectives - Management policy contains clear long-term objectives	ALL	<ul style="list-style-type: none"> Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p DOC (2013) Conservation Services Programme Annual Plan 2013/14. Dept. of Conservation DWG (2012) Marine Mammals Operational Procedures (v7) 2011-12. September 2012. DWG (2011) Reporting Operational Procedures (v5) 2011-12 MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p MPI (2011) <i>Annual Operational Plan for Deepwater</i>

			<ul style="list-style-type: none"> <i>Fisheries 2011-12</i>. July 2011. 75p MPI (2011) <i>Research and Science Information Standard for the New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p MPI (2011) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard</i>. Ministry of Fisheries. June 2011. 80p MPI (2011) <i>Science Working Groups - Terms of Reference</i>. 8p MPI (2010) <i>10 Year Research Programme for Deepwater Fisheries</i>. Ministry of Fisheries. 148p MPI (2010) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1A</i>. Ministry for Primary Industries MPI (2013) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1B - Hake</i>. Ministry for Primary Industries
3.1.4	Incentives for Sustainable Fishing - Management system has sustainability incentives	ALL	<ul style="list-style-type: none"> Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p Fisheries Act 1996 No 88. Treaty of Waitangi (Fisheries Claims) Settlement Act 1992 No 121. Lock, K and Leslie, S. (2007), <i>New Zealand's Quota Management System: A History of the First 20 Years</i>, Motu Working Paper 07-02. Motu Economic and Public Policy Research (April 2007). 75p.
3.2.1	Fishery Specific Objectives - Fishery has clear and specific outcome objectives	ALL	<ul style="list-style-type: none"> DOC (2013) Conservation Services Programme Annual Plan 2013/14. Dept. of Conservation DWG (2012) Marine Mammals Operational Procedures (v7) 2011-12. September 2012. DWG (2011) Reporting Operational Procedures (v5) 2011-12 MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p MPI (2011) <i>Annual Operational Plan for Deepwater Fisheries 2011-12</i>. July 2011. 75p MPI (2011) <i>Research and Science Information Standard for the New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p MPI (2011) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard</i>. Ministry of Fisheries. June 2011. 80p MPI (2011) <i>Science Working Groups - Terms of Reference</i>. 8p MPI (2010) <i>10 Year Research Programme for Deepwater Fisheries</i>. Ministry of Fisheries. 148p MPI (2010) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1A</i>. Ministry for Primary Industries MPI (2013) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1B - Hake</i>. Ministry for Primary Industries
3.2.2	Decision Making Processes - Management system includes effective decision making	ALL	<ul style="list-style-type: none"> Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p MPI (2013) <i>Fisheries Assessment Plenary May</i>. Stock

			<p><i>Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i></p> <ul style="list-style-type: none"> • MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p • MPI (2010) Statement of Intent. Ministry of Fisheries • MPI (2010) 10 Year Research Programme for Deepwater Fisheries. Ministry of Fisheries. 148p • MPI (2009) Stakeholder Consultation Process Standard. Ministry of Fisheries
3.2.3	<p>Compliance & Enforcement - Monitoring, control and surveillance mechanisms in place</p>	ALL	<ul style="list-style-type: none"> • Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p • DWG (2012) Marine Mammals Operational Procedures (v7) 2011-12. September 2012. • DWG (2011) Reporting Operational Procedures (v5) 2011-12 • Fisheries Act 1996 No 88. • Fisheries Commercial Fishing Amendment Regulations No 2. 2009 • Fisheries (Benthic Protection Areas) Regulations 2007 (SR 2007/308) • Fisheries (Reporting) Regulations 2001 (SR 2001/188) • Fisheries (Commercial Fishing) Regulations 2001 (SR 2001/ 253) • Fisheries (Satellite Vessel Monitoring) Regulations 1993 (SR 1993/354) • Kazmierow et al (2010) <i>Commercial Fishers Compliance Decision Making: Perceptions, Experiences and Factors Influencing Regulatory Compliance</i>. Report Prepared for Ministry of Fisheries. 106p • MPI (2013) Fisheries Observer Tables 2010-11 & 2011-12 • MPI (2009) Compliance Information Sheet 01 - - Misreporting. • MPI (2009) Compliance Information Sheet 02 – Benchmarking of New Zealand Fisheries • MPI (2010) Compliance Information Sheet 03 – Accuracy of Reporting • MPI (2010) Compliance Information Sheet 04 – Conversion Factors • MPI (2010) Compliance Information Sheet 05 – registration names and numbers • MPI (2010) Compliance Information Sheet 06 - Seabird Mitigation Devices • MPI (2010) Compliance Information Sheet 07 – Benthic Protection and Seamount Closures
3.2.4	<p>Research Plan - Research plan that addresses management needs are in place</p>	ALL	<ul style="list-style-type: none"> • DOC (2013) Conservation Services Programme Annual Plan 2013/14. Dept. of Conservation • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p • MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p • MPI (2011) <i>Annual Operational Plan for Deepwater Fisheries 2011-12</i>. July 2011. 75p • MPI (2011) <i>Research and Science Information</i>

			<p><i>Standard for the New Zealand Fisheries</i>. Ministry of Fisheries. October 2008. 30p</p> <ul style="list-style-type: none"> • MPI (2011) <i>Operational Guidelines for New Zealand's Harvest Strategy Standard</i>. Ministry of Fisheries. June 2011. 80p • MPI (2011) <i>Science Working Groups - Terms of Reference</i>. 8p • MPI (2010) <i>10 Year Research Programme for Deepwater Fisheries</i>. Ministry of Fisheries. 148p • MPI (2010) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1A</i>. Ministry for Primary Industries • MPI (2013) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1B - Hake</i>. Ministry for Primary Industries
3.2.5	<p>Management Performance Evaluation - There is a system of monitoring and evaluating the performance of the fishery-specific management system against its objectives and here is effective and timely review of the fishery-specific management system.</p>	ALL	<ul style="list-style-type: none"> • Akroyd, J., Pierre, J. & Punt, A. (2012) <i>NZ Hoki Fisheries: 2nd [MSC] Reassessment: Public Certification Report, Version 5</i>. September 2012. Ref: MML-F-030. Intertek Moody Marine. 297p • DOC (2013) <i>Conservation Services Programme Annual Plan 2013/14</i>. Dept. of Conservation • DWG (2010) <i>Memorandum of Understanding between the Ministry of Fisheries and the DeepWater Group</i>. Continuing a partnership between the Ministry of Fisheries and the deepwater fishing industry for the management of New Zealand's deepwater fisheries. December 2010. 12p. • MPI (2013) <i>Fisheries Assessment Plenary May. Stock Assessments and Yield Estimates. Volume 1 - Hake Chapter pp 366-391</i> • MPI (2013) <i>Annual Review Report: Deepwater Fisheries 2011-12</i>. June 2013. 78p • MPI (2012) <i>Annual Operational Plan for Deepwater Fisheries 2012-13</i>. July 2012. 71p • MPI (2011) <i>Annual Operational Plan for Deepwater Fisheries 2011-12</i>. July 2011. 75pMPI (2010) <i>10 Year Research Programme for Deepwater Fisheries</i>. Ministry of Fisheries. 148p • MPI (2011) <i>Annual Report</i> • MPI (2010) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1A</i>. Ministry for Primary Industries • MPI (2013) <i>National Fishing Plan Deepwater and Middle-depth Fisheries Part 1B - Hake</i>. Ministry for Primary Industries • MPI (2010) <i>Overview of New Zealand Fishery Science Peer Review Processes</i>. Ministry of Fisheries. 10 June 2010. 24p

