

ORIGINAL

Our Reference: A451054

Consent No: 2010.193

COASTAL PERMIT

Pursuant to Section 104B of the Resource Management Act 1991, the Otago Regional Council grants consent to:

- Name:** Port Otago Limited
- Address:** 15 Beach Street, Port Chalmers, Dunedin
- Purpose:** To disturb and remove dredge material from the foreshore and seabed for the purpose of deepening and widening the Lower Harbour channel and the Port Chalmers swinging and berthing areas.
- Term:** Twenty (20) years from the date of commencement in accordance with s116 of the Resource Management Act 1991.
- Location:** Otago Harbour entrance channel from the Landfall Tower approximately 2.4 kilometres north of Taiaroa Head to the Port Chalmers swinging basin.
- Legal description:** Common Marine and Coastal Area, Otago Harbour, Bed of Otago Harbour DP 3904, Sec 52 Blk I Lower Harbour West SD.
- Map reference:** Between approximately NZTM 2000 4931086N 1423206E and NZTM 2000 4923932N and 1415958E.
- Chart Reference:** Between approximately WGS84 (Chart) 45°45'04" S 170°43'37" E and 45°48'49" S 170°37'52" E.

Conditions:
Specific

1. This consent shall be exercised together with Consent 2010.195 and 2010.198.

1A For the purposes of these conditions the following definitions apply:

- (a) "Incremental Capital Works" means dredging and ancillary works using trailing suction dredges each with a capacity of no more than 1000 cubic metres and/or a grab dredge or back hoe with capacities each of no more than 10 cubic metres, and includes maintenance dredging that is otherwise not permitted by the Regional Plan: Coast and a resource consent for disposal of maintenance dredging material, provided that the total annual quantity of dredge material from Incremental Capital Works is no more than 1.45 million cubic metres.
- (b) "Major Capital Works" means dredging and ancillary works that are not Incremental Capital Works or part of the Maintenance Programme.



- (c) The definitions of Incremental Capital Works and Major Capital Works above do not include vessels navigating the shipping channel to or from dredging or disposal areas.
2. If this consent is not given effect to within a period of five years from the date of commencement of this consent, this consent shall lapse under Section 125 of the Resource Management Act 1991.
 3. This consent shall be exercised in accordance with the application for resource consent dated 25 May 2010 including the Assessment of Environmental Effects and all supporting documents, (specifically Chapter 2.0, Section 2.2 – Project Description – Deepening, Widening and Maintaining Lower Harbour Channel, Swinging Area and Berths - application document entitled Project Next Generation – Resource Consent Applications and Assessment of Environmental Effects May 2010) and the Environmental Management Plan developed in accordance with Condition 13 of this consent. If there is an inconsistency the conditions and terms of this consent shall prevail. Specific supporting documents include those attached as Appendices 1, 2, 3, 4, 5 and 6 to this Coastal Permit.
 4. The maximum deepening of the specified harbour channel, berths and swinging areas, including the over dredging allowance, authorised by this consent and shown in Appendices 1 and 5 are:
 - (a) Approach Channel – from the Landfall Tower to 2,500 chainage - to a depth of 18.5 metres below chart datum (17.5 metres declared depth plus 1.0 metre overdredge allowance);
 - (b) Lower Harbour Channel – from 2,500 chainage to 6,600 chainage - to a depth of 16.5 metres below chart datum (16.0 metres declared depth plus 0.5 metre overdredge allowance);
 - (c) Lower Harbour Channel from 6,600 chainage Port Chalmers and including the Port Chalmers Basin - to a depth of 15.5 metres below chart datum (15.0 metres declared depth plus 0.5 metre overdredge allowance); and
 - (d) Berths at the Multi-purpose Wharf – to a depth of 18.5 metres below chart datum prior to establishment of the rock buttress. After the rock buttress is constructed the depth shall be no more than 16.5 metres below chart datum (15.0 metre declared depth plus 1.5 metre overdredge and siltation allowance).
 5. The maximum width of the specified harbour channel invert between the toe-lines, berths and swinging areas, at the maximum depths specified in Condition 4 above, authorised by this consent and shown in Appendices 1 and 5 are:
 - (a) Approach Channel – from the Landfall Tower to 2,500 chainage - to a maximum width of 250 metres measured perpendicular to the centreline;
 - (b) Lower Harbour Channel – from 2,500 chainage to 3,700 chainage - to a maximum width of 200 metres measured perpendicular to the centreline;
 - (c) Lower Harbour Channel – from 3,700 chainage to 6,500 chainage - to a maximum width of 255 metres measured perpendicular to the centreline;
 - (d) Lower Harbour Channel – from 6,500 chainage to 11,500 chainage - to a maximum width of 200 metres measured perpendicular to the centreline; and

- (e) Lower Harbour Channel – from 11,500 chainage to Port Chalmers and including the Port Chalmers Basin - to a maximum width of 530 metres measured perpendicular to the centreline.
6. The consent holder shall operate the dredging plant in accordance with the Environmental Management Plan, developed in accordance with Condition 13 of this consent.
7. The consent holder shall not undertake Incremental Capital Works or Major Capital Works in the area adjacent to Taiaroa Head, and shown in Appendix 6 of this consent, between the 20 December and 10 January in the following year (inclusive).
8. The consent holder shall not undertake Incremental Capital Works or Major Capital Works in the area adjacent to Taiaroa Head, and shown in Appendix 6 of this consent, between 1 October to 30 November and 1 January and 14 February of each year, except with the approval of the consent authority in consultation with the Department of Conservation.
9. If the migratory population of godwits are present in the immediate area of the Aramoana sand flats shown in Appendix 6 of this consent, during the period 1 February to 31 March of each year, then Major Capital Works in the vicinity of the Aramoana sand flats are to be undertaken only when the tidal height is above half-tide (>1.0 metre above Chart Datum), except with the approval of the consent authority in consultation with the Department of Conservation.
10. All activities other than Major Capital Works or the use of explosives shall comply with NZS 6803:1999 Construction Noise Standard.
11. Major Capital Works between the hours of 7.30 am and 8.00 pm during weekdays and 7.30 am and 6.00 pm on Saturdays shall comply with NZS 6803:1999 Construction Noise Standard. At other times the dredge equipment shall operate such that the Construction Noise Standard night time level of 45 dBA L_{eq} shall not be exceeded within 15 metres of a residential dwelling, except:
- (a) Where the residential dwelling has been acoustically treated; or
 - (b) Where the occupier of the residential dwelling has consented in writing to the work taking place.
12. The consent holder shall measure the tidal height and associated currents in the following manner:
- (a) For tidal height:
 - (i) From existing gauging stations at Dunedin, Port Chalmers and Spit;
 - (ii) These measurements shall be taken continuously throughout the Incremental Capital and Major Capital Works, and for at least one year following completion of dredging; and
 - (b) For current measurements:
 - (i) At or near the Port Chalmers Swinging basin; and at Beacon Pile 1A opposite Harington Point.

- (ii) These measurements shall be taken at the commencement of Incremental Capital Works, throughout Major Capital Works, and periodically for at least one year following completion of dredging.
- (iii) The duration of the measurement shall be of sufficient time to accurately determine the tidal current regime.

Performance Monitoring

13. The consent holder shall prepare an Environmental Management Plan addressing both Incremental and Major Capital Works authorised by this consent, in consultation with the consent authority, and submit for review to the consent authority at least one month prior to any works commencing. The consent authority's review is for the purpose of certifying compliance and consistency with the consent conditions. The objectives of the Environmental Management Plan shall be to incorporate industry best practice, guide environmental management for the duration of consented activities, and to establish measures to avoid, remedy or mitigate any adverse environmental effects associated with consented activities. The Environmental Management Plan shall include, but not be limited to:

- (a) a list of key personnel and points of contact during the project;
- (b) a description of how stakeholders shall be kept informed and involved during the project and how complaints will be managed;
- (c) a description of the staging plan for the project, identifying the works and proposed duration of each stage;
- (d) a description of the dredging and disposal methodology;
- (e) a detailed monitoring plan that describes the scale and intensity of monitoring of potential adverse effects of the dredging on water quality, marine biota, coastal processes (including the potential effects on nationally recognised surf breaks) and noise for both Major Capital Works and Incremental Capital Works;
- (f) a description of what actions will be taken to adaptively manage the actual or potential effects of consented activities (including relating to noise, contamination, water quality, bathymetry, aquatic communities, and use of explosives) to satisfy consent conditions;
- (g) a summary and timetable of all reporting required under this Coastal Permit, Coastal Permits 2010.195 and 2010.198 and the Environmental Management Plan and the relevant periods that they cover;
- (h) the allocation of responsibility for updating the plan should future amendments be required; and
- (i) any items required to be included in an Environmental Management Plan from Coastal Permits 2010.195 and 2010.198.

Any changes to the Environmental Management Plan shall be made after consultation with the consent authority and shall be submitted to the consent authority for review and certification prior to those changes being implemented.

14. The consent holder shall:

- (a) Prepare a report on the blasting methodology which shall include the programme and methodology for undertaking blasting works authorised by this consent. The methodology shall be approved by a suitably qualified

expert and provided to the consent authority for review a minimum of one month before the commencement of blasting activities.

- (b) Notify the consent authority in writing of the intention to undertake each campaign of blasting works at least one month before the commencement of blasting activities, specifying expected dates of commencement and duration.
15. The consent holder shall provide the consent authority with written notice of the intention to commence Incremental Capital Works authorised by this consent no less than one month before the work commences.
 16. The consent holder shall provide the consent authority with written notice of the intention to commence Major Capital Works authorised by this consent no less than one month before the work commences.
 17. The consent holder shall, prior to exercising the consent, provide the consent authority with a Dredging and Disposal Schedule containing details of:
 - (a) the intention to commence (or continue) dredging;
 - (b) the areas to be dredged;
 - (c) the periods during which dredging is expected to occur;
 - (d) a description of the equipment to be used for the dredging; and
 - (e) any restrictions that will apply to navigation during the dredging.

The schedule shall be updated:

- (a) monthly during Incremental Capital works; and
 - (b) ten days before the start of any Major Capital Works and monthly during those works.
18. The consent holder shall forward to the consent authority within three months of completion of the Major Capital Works, and annually for the Incremental Capital Works, a report summarising the results of all reporting that is required under this consent, Coastal Permits 2010.195 and 2010.198 and the Environmental Management Plan for the relevant periods. This should clearly focus on assessing the actual effects on the environment as a result of all works.
 19. Within two years of completion of all Incremental and Major Capital works, the consent holder shall submit to the consent authority a report outlining the results of the tidal height and currents monitored in accordance with Condition 12 of this consent, and discuss any trends in the data and any identifiable links to the capital works that were undertaken.
 20. The consent holder shall undertake bathymetric surveys of the foreshore and seabed and intertidal flats within the Lower Harbour at the locations specified in Appendix 5 of this consent. All bathymetric surveys shall have an accuracy of 0.1 metre vertically. If additional surveys or a different survey pattern is developed and contained within the Environmental Management Plan, this is to be in addition to the requirements of this consent. The bathymetric surveys shall be undertaken:
 - (a) prior to the commencement of any Incremental Capital Works;

- (b) annually during Incremental Capital Works;
- (c) within six months of the completion of Incremental Capital Works;
- (d) within the period six months prior to the commencement of Major Capital Works;
- (e) every six months during the Major Capital Works; and
- (f) within six months of the completion of all Major Capital Works.

The results of each survey shall be submitted to the consent authority within three months of the survey being undertaken.

21. By 1 December 2030, the consent holder shall submit a report to the consent authority that summarises the results of all bathymetric surveys undertaken in accordance with this consent and shall clearly indicate the degree of change to the foreshore and seabed as a result of the discharges authorised by this consent and detail the actual effects on the environment of the works.
22. The consent holder shall maintain a record of the following information for the incremental and major capital works dredging works:
 - (a) Volume of dredged material removed in each episode.
 - (b) GPS location or chart reference of each disposal event and the associated disposal site.
 - (c) Cumulative total volumes of dredged material disposed of from the issue of this consent.
 - (d) GPS location and chart reference of the area (including start and end points) of the dredging where the material is sourced.
 - (e) The date and time of dredging and the associated disposal.

The record shall be kept and submitted to the consent authority in report format on a five yearly basis (with the first report required by 1 March 2016) and at anytime on request.

- 22A Prior to any incremental or capital dredging within 200 metres of the Long Mac groyne commencing, the consent holder shall undertake research into the coastal processes and the function of Long Mac as it was immediately after its construction, and as it is now. If the research indicates that Long Mac has been or is working to provide protection to either the spit tip, Aramoana Ecological Area or maintain alignment of the harbour channel, then the consent holder shall apply for any necessary approvals and, if granted, undertake works necessary for the Long Mac to continue in this function without compromise to its structural integrity with a deepened channel.

General

23. The consent holder shall require all staff or contractors engaged to undertake work authorised by this consent to do so in accordance with the conditions of this consent. A copy of this consent shall be present at the consent holder's office and on the dredge/s carrying out the works at all times while the work is being undertaken.
24. The consent holder shall limit the use of explosives to between the hours of 7.30 am and 6.00 pm, Monday through Saturday, with no blasting to take place on Sundays.



ISO 9001
Certified

25. During the exercise of this consent, the consent holder shall take all practicable precautions to protect public safety at all times.
26. During the exercise of this consent, the consent holder shall ensure that the effects of the Incremental and Capital Works on marine biota are minimised to the extent practicable in accordance with the Environmental Management Plan.
27. The consent holder shall ensure that no fuel or oils enter into the coastal marine area as a result of these works. This shall include the maintenance of machinery at all times to prevent leakage of fuel or oil into the coastal marine area. In the event of contamination, the consent holder shall instigate remedial action and shall immediately notify the consent authority.
28. If the consent holder:
 - (a) Discovers koiwi tangata (human skeletal remains), or Maori artefact material, the consent holder shall without delay:
 - (i) Notify the tangata whenua and New Zealand Historic Places Trust and, in the case of skeletal remains, the New Zealand Police.
 - (ii) Stop work within the immediate vicinity of the discovery to allow a site inspection by the New Zealand Historic Places Trust and the appropriate runanga and their advisors, who shall determine whether the discovery is likely to be extensive; if a thorough site investigation is required, and whether an Archaeological Authority is required.
 - (iii) Any koiwi tangata discovered shall be handled and removed by tribal elders responsible for the tikanga (custom) appropriate to its removal or preservation.

Site work shall not recommence until authorised by the consent authority, following consultation with the New Zealand Historic Places Trust, tangata whenua, and in the case of skeletal remains, the NZ Police, provided that any relevant statutory permissions have been obtained.

- (b) Discovers any feature or archaeological material that predates 1900, or heritage material, or disturbs a previously unidentified archaeological or heritage site, the consent holder shall without delay:
 - (i) Stop work within the immediate vicinity of the discovery or disturbance; and
 - (ii) Advise the New Zealand Historic Places Trust, and in the case of Maori features or materials, the tangata whenua, and if required, shall make an application for an Archaeological Authority pursuant to the Historic Places Act 1993; and
 - (iii) Arrange for a suitably qualified archaeologist to undertake a survey of the site.

Site work shall not recommence until authorised by the consent authority.

29. The consent authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the consent holder of its intention to review the conditions of this consent within three months of each anniversary of the commencement of this consent for the purpose of:

- (a) ensuring that the monitoring regime is appropriate; or
- (b) determining whether the conditions of this consent are adequate to deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage. Including, but not limited to:
 - (i) the effects of the exercise of this consent on the ecology and water quality of the Otago Harbour; or
 - (ii) the effects of the exercise of this consent on the ecology and water quality of the offshore areas of the Pacific Ocean; or
 - (iii) the appropriate mitigation of the environmental effects of the activity having regard to the available dredging technology; or
 - (iv) the appropriate mitigation of the environmental effects of the activity having regard to the available deposition technology; or
- (c) addressing the contents of the Environment Management Plan; or
- (d) ensuring the conditions of this consent are consistent with any National Environmental Standards.

Consultation

30 Within three months of the commencement of this consent, the consent holder shall invite a cross section of the Lower Harbour and Otago coastal communities and organisations, generally as described in Section 8.2 of the Assessment of Environmental Effects lodged in support of this consent, to form the “Project Consultative Group” (PCG).

- (a) The purpose of the PCG is to facilitate consultation between the wider users of Otago Harbour and its surrounds and the consent holder during the Incremental Capital and Major Capital Works.
- (b) The consent holder shall invite members of the PCG to meetings as follows:
 - (i) Annually to discuss and review the monitoring reports produced under the relevant sections of condition(s) of this consent for the Incremental Capital Works;
 - (ii) At monthly intervals during the undertaking of the Major Capital Works.
- (c) The PCG meetings shall be conducted in accordance with the consultation section of the Environment Management Plan.
- (d) The consent holder shall invite representatives of the consent authority to all meetings of the PCG.
- (e) The consent holder shall keep minutes of the meetings held in accordance with clause (c) and shall forward them to all attendees.
- (f) The consent holder shall provide final copies of the reports prepared in accordance with these conditions to the PCG at the meetings held in accordance with clause (c).

Kai Tahu Engagement

31. Within three months of the commencement of this consent, the consent holder shall invite representatives of the local hapu, iwi and Manawhenua representatives from the East Otago Taiapure Management Committee to join a “Manawhenua Consultation Group” (MCG).

- (a) The purpose of the MCG, the meetings that will be held with the MCG, and the consent holder's obligations to the MCG shall be described in the consultation section of the Environmental Management Plan but shall be designed to facilitate consultation between Manawhenua and Port Otago Ltd during the Incremental and Major Capital Works, and present and future maintenance dredging ("maintenance dredging").
- (b) The MCG shall have the following functions:
 - (i) To facilitate consultation on the design and implementation of the cultural monitoring programme, including the development of cultural health indicators for key species of importance to Kai Tahu.
 - (ii) To receive and review the monitoring data and reports from the cultural, physical and biological monitoring undertaken as part of Project Next Generation dredging, and maintenance dredging. If necessary, technical expertise shall be made available by the consent holder to interpret the monitoring data;
 - (iii) On an ongoing basis to evaluate the cultural impacts of Project Next Generation, and maintenance dredging, on the Otago Harbour and the receiving waters offshore;
 - (iv) To make recommendations to the consent holder on management actions to avoid, remedy or mitigate any adverse effects of Project Next Generation, and maintenance dredging, on the cultural values, interests and associations of Manawhenua with the Otago Harbour and Te Tai o Arai Te Uru (Otago Coastal Marine Area); and
 - (v) To make recommendations to the consent holder on appropriate changes to the cultural monitoring framework to ensure that it delivers timely focussed results for the improved management of the project.
- (c) Proposed changes to the Environmental Management Plan in response to recommendation of the MCG shall be reasonably considered by the consent holder and implemented to the extent practicable.
- (d) The MCG and the TG shall be given an opportunity to comment on all proposed changes to the Environmental Management Plan before the consent holder finally considers them. Any change to the Environmental Management Plan shall be submitted to the consent authority to ensure that it complies with the conditions of consent.
- (e) The consent holder shall, not less than three months before, and at least once every three months when Major Capital works are being undertaken in accordance with this resource consent and Consent 2010.193, invite the MCG to a meeting to discuss any matter relating to the exercise and monitoring of the consents.
- (f) The consent holder shall, in complying with the notification requirements of this consent to the consent authority, or when

monitoring or research activities are being planned, or when results are to be submitted in accordance with this resource consent, invite the MCG to a meeting to discuss any matter and share this information prior to submitting the information to the consent authority. The information shall be provided to the MCG sufficiently in advance of the meeting so that the MCG has time to review and consider it.

- (g) Notwithstanding clause (e) and clause (f) the consent holder shall, at least once per calendar year, invite representatives of the consent authority and the MCG to a meeting to discuss any matter relating to the exercise and monitoring of this consent. At this time the consent holder shall, in addition to any matters relating to the exercise and monitoring of this consent, use its best endeavours to inform the MCG of the likely dredging to be undertaken in the following year.
- (h) The consent holder shall keep minutes of the meetings held in accordance with clause (e), (f) and (g) and shall forward them to all attendees and to the TG.
- (i) The meetings required by clause (e), (f) and (g) need not occur if the MCG notify the consent holder (for clause (e), (f) and (g)) and the consent authority (for clause (g)) that the meeting is not required.
- (j) The consent holder shall provide final copies of the reports prepared in accordance with these conditions to the MCG concurrently with them being submitted to the consent authority.
- (k) The MCG shall be serviced by the consent holder
- (l) All members of the MCG shall use their best endeavours to resolve all issues before it. If any matter remains unresolved then the consent holder shall refer each unresolved matter to its Board immediately and the Board shall take all practicable steps to resolve any outstanding issues with the Kaumatua including (if necessary) appointment of an independent mediator.

Technical Group

32. (a) The consent holder shall establish a Technical Group with the following brief:
- (i) to meet and receive monitoring data and reports from the physical and biological monitoring undertaken as part of Project Next Generation dredging, and present and future maintenance dredging;
 - (ii) on an ongoing basis to evaluate the physical and biological impacts of the Project Next Generation on the Lower Otago Harbour and the receiving waters offshore on an ongoing basis;
 - (iii) to make recommendations to the consent holder and/or the consent authority on management actions to ameliorate the adverse effects of dredging and disposal as part of the Project Next Generation project; and
 - (iv) to make recommendations to the consent holder and/or the consent authority on appropriate changes to the physical and biological monitoring framework to ensure that it delivers timely focused results for the improved management of the project.
- (b) The Technical Group and Manawhenua Consultation Group shall be given an opportunity to comment on all proposed changes to the Environmental

Management Plan before the consent holder finally considers them. The consent holder shall reasonably consider changes that are proposed in response to recommendations of the Technical Group or Manawhenua consultation Group, and implement such changes to the extent practicable. Any change to the Environmental Management Plan shall be submitted to the consent authority to ensure that it complies with the conditions of consent.

- (c) The Technical Group shall have but not be limited to the following membership:
 - (i) representatives of Otakou and Puketeraki runanga;
 - (ii) a representative of the Department of Conservation;
 - (iii) a representative of Port Otago Limited; and
 - (iv) a representative of Otago Regional Council.
 - (v) a suitably qualified technical representative nominated by the local fishing industry shall be invited to be a member of the Technical Group.
 - (vi) a representative of the East Otago Taiapure Management Committee
- (d) The Technical Group may co-opt additional members to ensure that it has the requisite skills to be able deliver on its brief. In exercising its powers of co-option the Technical Group shall ensure that it has access to sufficient expertise on fisheries in the Otago harbour and coastal waters including Blueskin Bay.
- (e) The Technical Group shall be serviced by the consent holder and shall meet as frequently as necessary, but not less than yearly, to undertake its functions listed in subsection (a) of this condition.
- (f) The Technical Group shall adopt a terms of reference that includes, but is not limited to, establishing the way in which it will receive monitoring data and reports, consider that information and resolve any issues that may arise within the group.

The reports described in 32(a) above are those specified under the conditions of the following consents.

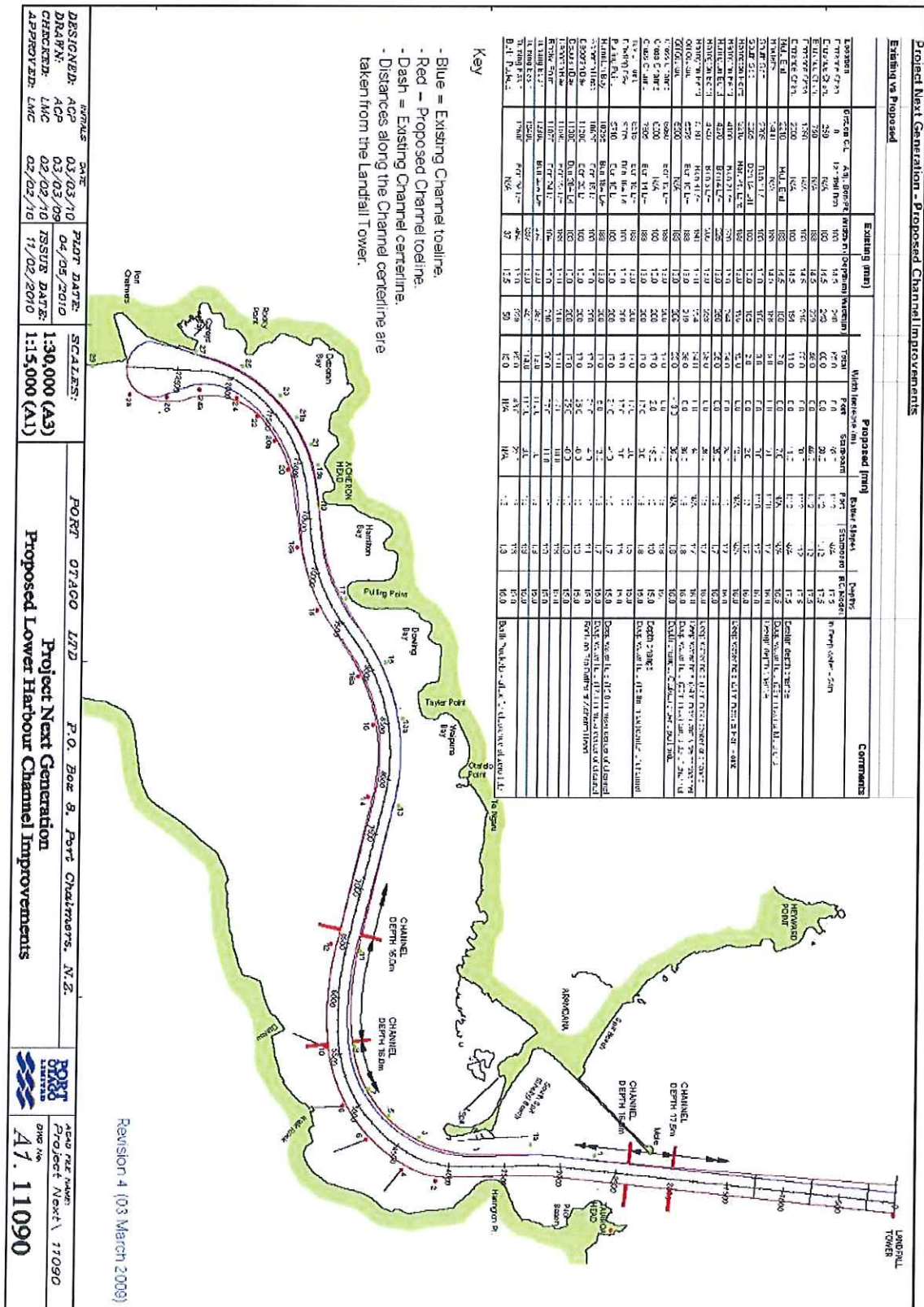
- (a) 2000.472_VI, Condition 11;
- (b) 2010.193, Conditions 18, 20 and 21;
- (c) 2010.194, Conditions 9, 11 and 12;
- (d) 2010.195, Conditions 11, 12 and 13
- (e) 2010.197, Condition 8; and
- (f) 2010.198, Conditions 5, 9, 18, 25-31.

Issued at Dunedin this 6th day of August 2013



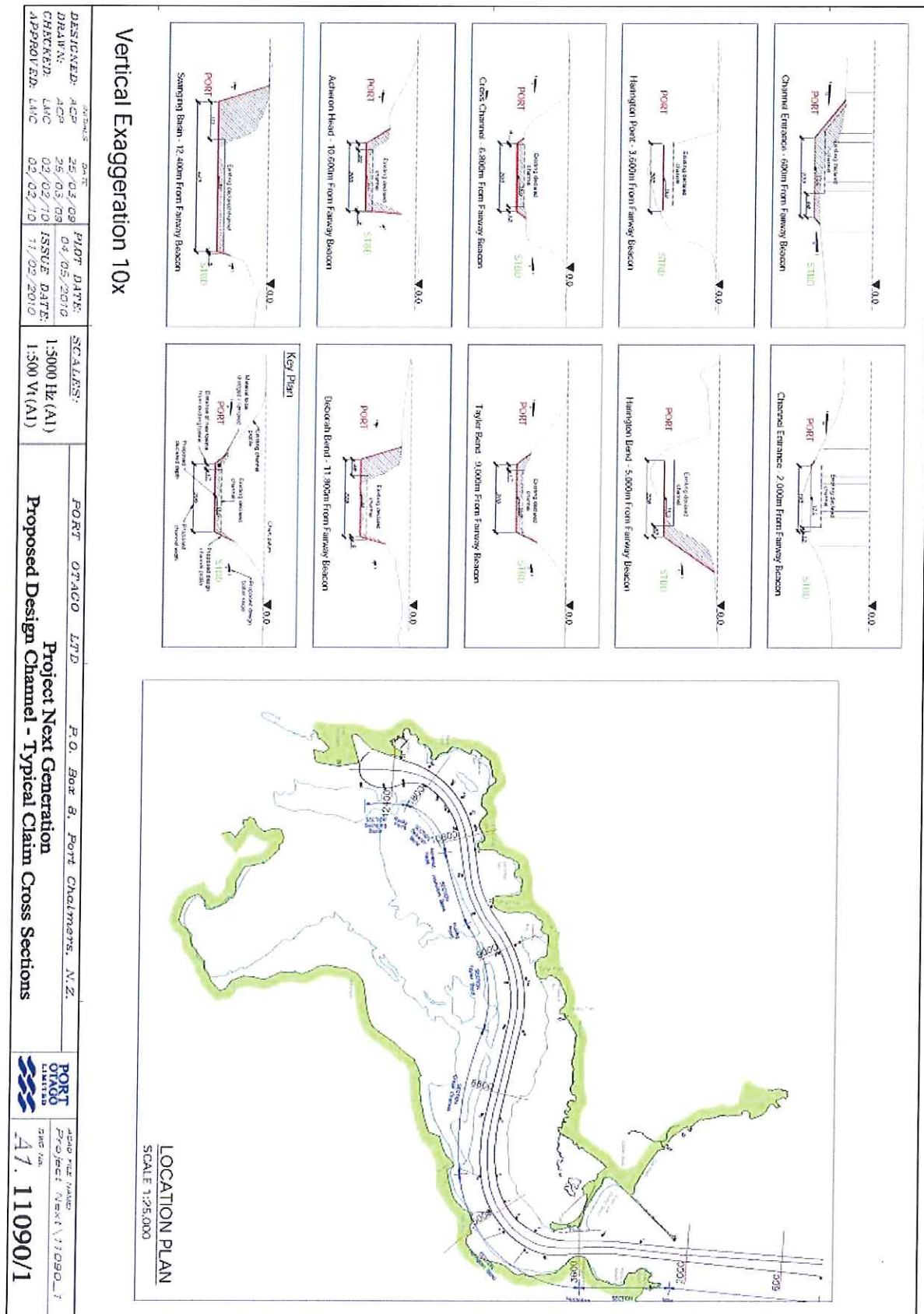
Christopher P Shaw
Manager Consents

Appendix 1
Coastal Permit 2010.193
Monitoring Locations for turbidity meters plan A1 11251



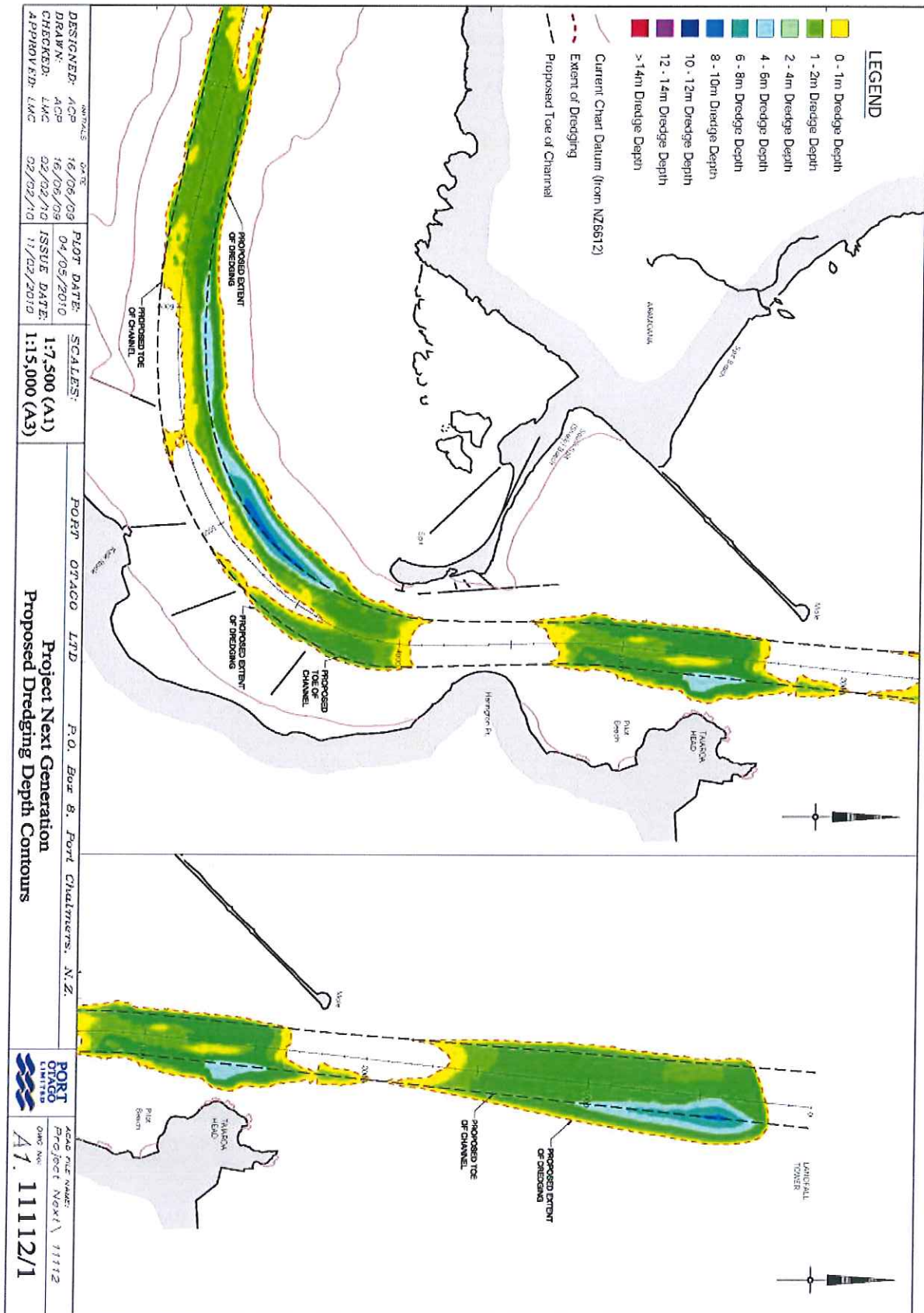
ORIGINAL

Appendix 2
Coastal Permit 2010.193
Proposed Channel Design – Typical Cross sections Plan 11090/1



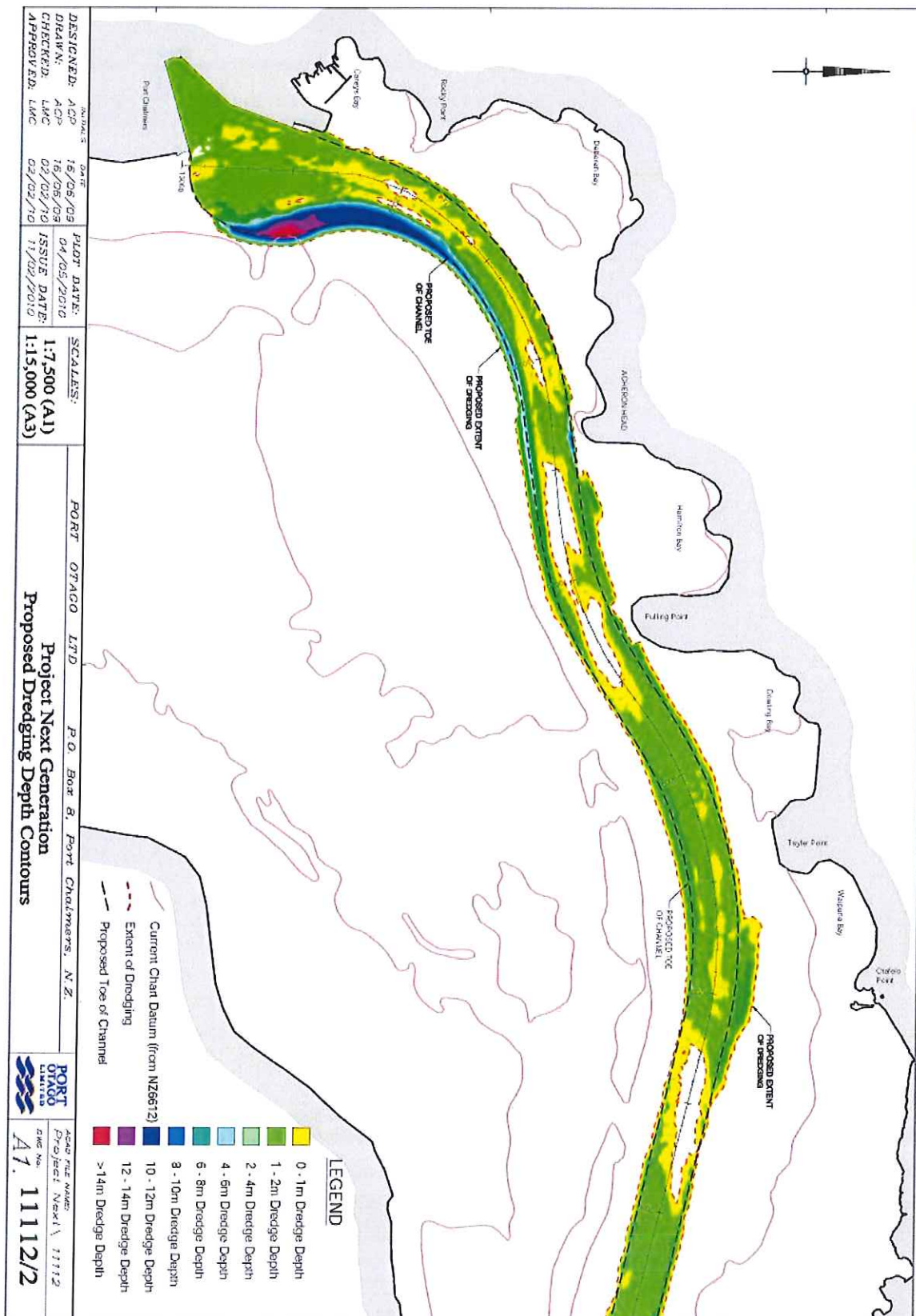
ORIGINAL

Appendix 3
Coastal Permit 2010.193
Proposed Dredging Contours Plan 11112/1



ORIGINAL

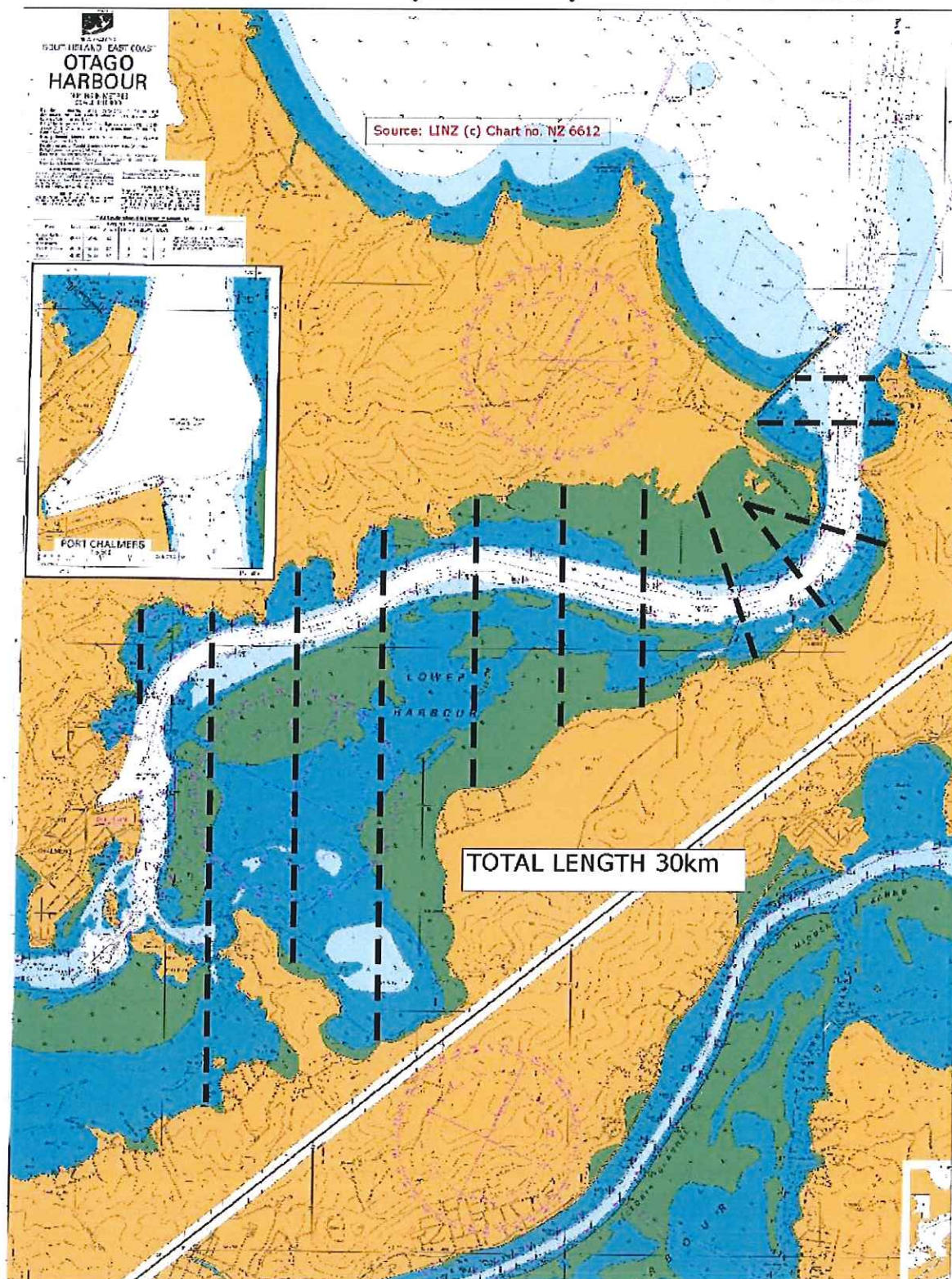
Appendix 4
Coastal Permit 2010.193
Proposed Dredging Contours Plan 11112/2



ISO9001
Certified

Appendix 5
Coastal Permit 2010.193

Lower Harbour Channel Bathymetric Survey Plan Set-Out Plan 11206/2



Project Next Generation

Scale 1:50000

In Harbour Bathymetric Survey Transects

A4 11206/2

LEGEND

- 0 - 1m Dredge Depth
- 1 - 2m Dredge Depth
- 2 - 4m Dredge Depth
- 4 - 6m Dredge Depth
- 6 - 8m Dredge Depth
- 8 - 10m Dredge Depth
- 10 - 12m Dredge Depth
- 12 - 14m Dredge Depth
- > 14m Dredge Depth

Current Chart Datum (from NZS612)

Extent of Dredging

Proposed Toe of Channel

PORT OF TARANAKI

DREDGING RESTRICTIONS ASSOCIATED WITH BIRDS

NO DREDGING
01 October to 30 November
and
01 January to 14 February

DREDGING WORKS ONLY
when tide is > 1.0m
01 February to 31 March

Scale: 1:10,000 (A1)
1:20,000 (A3)

PORT OF Taranaki Ltd
P.O. Box 8, Port Chalmers, N.Z.

ACAD FILE NAME: Project Next\11235
DWG NO: A1.11235