



Licence Number: XBI 2 2010
Valid From: 01-Feb-2010
Expiry Date: 30-Apr-2010

This licence and/or permit is issued under the authority of SECTION 4 OF THE FISHERIES ACT.

This licence and/or permit authorizes the person(s) listed below, subject to the following terms and conditions, to collect the species and quantity of fish identified below for: broodstock purposes. Non-compliance with any condition of this licence and/or permit may result in the cancellation of this licence and/or permit.

Licence/Permit Activity Description:
Geoduck Broodstock Collection

Licence Holder:

FIN: 35669
Mark Mcdermid
1525 West 29th Ave
Vancouver BC V6J 2Z1
Contact Number: 604-732-4622

Individuals or groups assisting with the authorized activity:

Ron Diewert

Species, Quantity of Fish, Area(s) and Gear:

Species: Pacific Geoduck
Licence Area: South Coast
Gear: Dive
To be released: N/A
To be retained: 250
Units: Individuals (live)
Sex: Unspec
Mark type: Unknown
Additional Descriptions: Subareas 15-1, 15-2, 15-3, 16-2, 16-11, 16-18, 17-5 and 17-6 ONLY.

Terms and Conditions:

A DFO approved Observer, Ron Diewert of 5036 Longview Drive, Bowser BC, shall be on board when harvesting is taking place, to document the location of harvest by completion of dive data logsheets. Logsheets are to be completed on-board the harvest vessel prior to landing geoduck. A sample logsheet is attached as Appendix 1.

The Observer shall collect and document morphometric data including shell length, wet weight and quality assessment, and photograph all animals collected. This information is to be forwarded to E. Wylie, Fisheries and Oceans Canada, 3225 Stephenson Point Road, Nanaimo BC V9T 1K3 within 30 days of the collection. Data collection information is included in Appendices 2 and 3.

Genetic samples are required from at least 25 animals from the authorized harvest area. The samples from each harvest site should be grouped and labelled separately. Samples are to be sent to DFO at the end of the project. Sample protocol and contacts are provided in Appendix 4.

Geoducks collected under authority of this licence may be held at the Island Scallops Ltd. hatchery (5552 West Island Highway, Qualicum Beach, BC).



When the geoduck are of no further use for the broodstock/hatchery purposes, they are to be disposed of in a method that satisfies Environment Canada regulations for disposal of fish and fish waste. Environment Canada does not allow disposal at-sea and therefore recommends that fish waste be either (1) disposed of at a municipal land-based disposal facility, or (2) disposed of through a reduction facility.

The DFO Office responsible for the area in which fishing takes place shall be notified on each occasion prior to the collection of samples. Notification shall occur by telephone during normal business hours. If you are unable to notify the local office on evenings or weekends, advise the DFO Radio Room at 1-800-465-4336 prior to sampling.

Copies of this licence must accompany the collecting personnel, be on board any collecting vessel, be carried with the transport vehicle at all times during collection and transport of samples and shall be present in the holding area or hatchery. The original, signed licence must be produced upon the request of a Fishery Officer or Guardian.

The collection of bivalves from areas closed for PSP (red tide), ASP (domoic acid) or bacterial contamination under the Management of Contaminated Fisheries Regulations is not authorized by this licence. Check with the local DFO office or on the internet for closure information immediately prior to sampling. Closure information is available on the internet at:

http://www.pac.dfo-mpo.gc.ca/ops/fm/shellfish/Biotoxins/closures/default_e.htm

Specimens retained under the authority of this licence may not be utilized, sold or processed for food or bait.

A Section 56 Fishery (General) Regulations Permit is required for the transfer of live specimens between marine areas, or to holding tanks which discharge to marine waters. The licence holder is required to make application to the Federal/Provincial Introductions and Transfers Committee. Contact numbers and application forms are available from their website: http://www-heb.pac.dfo-mpo.gc.ca/intro_trans/transfers_e.htm

Seed or spat generated by the hatchery broodstock program may be outplanted only in accordance with the "Interim Geoduck Aquaculture Policy, September 3, 1998" which has been made public as a DFO notice to industry OC753. That policy provides for seeding on intertidal portions of leases or tenures licensed for geoduck culture and for rearing and grow-out suspended in the water column within leases and tenures licensed by the province for geoduck culture. A Transplant Permit from the federal/provincial Introductions and Transfers Committee is required before seed or spat may be outplanted into fish habitat.

Specimens caught and retained under authority of this licence may not be shipped or provided to any party not named on this licence.

This licence may be revoked or amended by the Department prior to the expiry date as may be considered necessary by the Department.

See attached documents.

Print Signature
Name

Date

Shelley Jessup for

Feb 8/10

Issued by: Andrew Thomson, Director Aquaculture Division
Fisheries and Oceans Canada

Date

Licence Printed: 08 February 2010

**AUTHORIZATIONS CONCERNING THE MOVEMENT OF
LIVE FISH IN BRITISH COLUMBIA**

Name: Dan Mcdermid
Address: 1525 West 29th Ave
Vancouver, BC V6J 2Z1

Introduction and Transfer Application Number: 12017



Fisheries and Oceans / Pêches et Océans

Pursuant to Section 56(1) of the Fishery (General) Regulations made under the *Fisheries Act*, permission is hereby granted to import/transfer live fish into or within the Province of British Columbia to the above named:

Conditions as per Section 22(1) of Fishery (General) Regulations: Precautions and procedures will be taken to prevent introduction of undesirable flora/fauna and spread of diseases/parasites as indicated on application form.

This licence expires on March 31, 2010

On behalf of the Federal Minister of Fisheries and Oceans

Co-chair, Fish Introductions and Transfers Committee

January 29, 2010

Date



is authorized by this permit to (*possess*), (*transport*) and (*traffic in*) live freshwater fish *from start point to destination* pursuant to section 3 of the Freshwater Fish Regulation, BC Reg. 261/83.

Director of Wildlife, Ministry of Environment

Date

Expiry Date: _____

Pursuant to the BC Fisheries Act Regulations (s.8) and/or Regulation 78/2002 of the BC *Fisheries Act*, permission to transplant or transfer oysters or live fish for aquaculture purposes within the Province of British Columbia is granted to the above named:



On behalf of the Minister of Agriculture and Lands

Member, Fish Introductions and Transfers Committee

February 1, 2010

Date

This document authorizes the holder to do only the things described above within British Columbia. It does not excuse the holder from any other obligations under any other federal or provincial legislation, whether concerning fish or otherwise.