

RESTORING ACTIVE BLANKET BOG IN IRELAND
LIFE02 NAT/IRL/8490

Sligo Civil Engineering Consultants Ltd.
'Aisleam',
Rosses Point,
Co. Sligo.
26/10/07

To Kevin Donnellan,
Project Manager,
Coillte Teo.

Re: Blanket Bog Restoration, Derry Td., Bellacorick, Co. Mayo

Herewith the results of a survey carried out on a sample plot of blanket bog scheduled for restoration at Derry Townland. The area of the sample plot is approx. 4.9 Ha. Surface drains at a spacing of 3m to 4m drain the plot.

Drawing No. 1 shows the contours at 0.5m intervals. These levels are related to a Temporary Bench Mark (T.B.M) at the lower end of the site; they are not related to Ordnance Datum (O.D.).

Drawing No. 2 is an arbitrary section AB taken through the sample plot. This shows gradients obtaining along this line. On the basis that the drains should be blocked to allow a drop of 10cm it is possible to state as follows in regard to this section (a) at the eastern end (shown blue) blocks should be placed every 19m (b) in the centre section (shown green) blocks should be placed every 3m (c) at the western end (shown pink) blocks should be placed every 11m.

It is fairly obvious that it is not practical to do a contour survey of the whole site with cross-sections at close intervals to enable the position of the blocks to be marked on the ground. It is more logical that the position of the blocks be decided on site by the Site Supervisor. With this in mind it is recommended that the driver of the excavator placing the blocks be closely supervised and instructed over the first two days of the works and thereafter at regular intervals (probably one inspection every two days to ensure there are sufficient blocks in the right places and properly constructed to give the desired result). The blocks are to be constructed using clean peat – this will require a system known as 'reversal construction' and will be explained to the driver in the course of the first two days of the operation.

Barry O'Driscoll

A. B. O. Driscoll

- Incl. (1) Site Location Map
(2) Contour Survey; Drawing No. 1
(3) Cross-Section; Drawing No. 2

**SITE APPRAISAL
FOR LIFE 02 Nat 8490 BOG RESTORATION
AT DERRY TD., CO. MAYO**

**REPORT ON SURVEY CARRIED OUT BY
SLIGO CIVIL ENGINEERING CONSULTANTS LTD
'AISLEAM',
ROSSES POINT,
CO. SLIGO.**

DATE: 11/10/2007

CONTACT

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LOCATION

The bog is located in the townland of Derry, Co. Mayo approx. 16km west of Crossmolina(See Site Location map).

PROPOSAL

The bog was planted with sitka spruce and lodgepole pine. This is to be windrowed. The bog was drained when it was planted. These drains are approx. 3-4 m apart. These drains are to be blocked in order to allow the formation of sphagnum moss and thus the reconstitution of the original bog. It has been estimated that the water level should be no greater than 100mm from the surface to facilitate the build-up of moss. It is proposed that the drains be blocked with clean peat taken from the bog itself.

DESIGN AND CONSTRUCTION

The stop will be of clean peat; vegetation removed from both ground and drain and then the stop removed from the bog and inserted in the drain. The disturbance to the ground will be supervised and kept to a minimum using hillocks etc.

The spacing of the blocks will be judged with relation to gradient and site suitability (See Drawings 1&2). Where the ground is sloping and freely drained, the stops will be more frequent. The machine operator will be supervised in relation to the frequency of stops.

