

Appendix 4E

Organisation Submissions – Preferred Corridor

Item	Submitting Organisation
001	Waterways Ireland
002	Waterways Ireland
003	Department of Transport
004	Ireland West Airport - Knock
005	Office of the Minister for Agriculture
006	Health Services Executive
007	Forest Service
008	Water Services - Roscommon Co. Co.
009	Irish Peatland Conservation Council
010	An Garda Síochána
011	Office of Public Works
012	Department of the Environment, Heritage and Local Government - Development Applications Unit
013	Environment Section - Roscommon Co. Co.
014	Geological Survey of Ireland
015	Coillte Teoranta



Western Regional Office
Dock Road
Drewsborough
Scariff
Co. Clare

001 Waterways Ireland

T: +353 (0) 61 922 033
F: +353 (0) 61 922 147
E: info@waterwaysireland.org
W: www.waterwaysireland.org

Mr Mark Keaveny,
Senior Executive Engineer,
National Roads Design Office,
Racecourse Road,
Roscommon,
CO. ROSCOMMON

N5 Strategic Study – Emerging Preferred Route Corridor

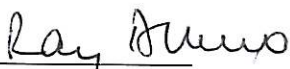


Dear Mr Keaveny,

I refer to your letter of 5th inst. re above.

I have forwarded the documents to Eamon McMorrow, Senior Engineer for the area, who will respond directly to you.

Yours sincerely,


Ray Dunne,
Western Regional Manager,
7th June 2007.

N5 Strategic Corridor



Emerging Preferred Route Corridor

Public Consultation

May 2007

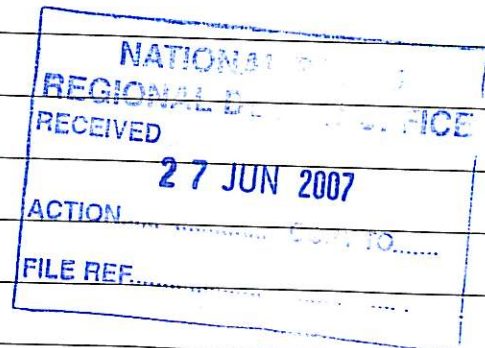


Questionnaire

Please complete this questionnaire and hand it in at the public consultation or place it in the freepost envelope provided. It should be returned by 15th June 2007

1. Name: Waterways IRELAND.
 Address: Summerview House
Old Dublin Rd,
Castle on Shannon
 Home Phone: 071-9650564 Mobile: 087-9270797.
 Email: annette.nally@waterwaysireland.org.

2. Do you own, rent or occupy property within/ adjacent to the Emerging Preferred Route Corridor? Y N
 Description of Property (e.g. Farm, Residential, Shop, Land Registry Folio No., Townland, etc):



3. Please give your overall comments on the Emerging Preferred Route Corridor:

Having reviewed the documents forwarded
in relation to N5 Strategic Corridor
- Emerging preferred route corridor -
waterways Ireland have no
submissions to make regarding same.

Yours Sincerely
Annette O'Leary
Business Operations
22/6/07.

If you need more space for your comments, please attach additional sheets.

If you wish to discuss any issues relating to this project, please contact:

The Project Engineer,
N5 Strategic Corridor, National Roads Design Office, Roscommon County Council,
Racecourse Road, Roscommon.

Telephone: 090-6627004, Fax: 090-6627040, Email: n5@roscommonnrdo.ie



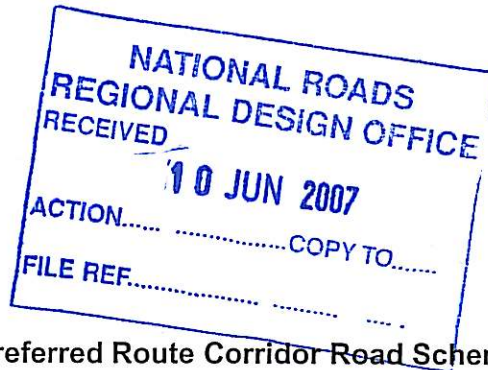
Thank you for Your Co-operation

B2 Arena Road
Sandyford Business Park
Dublin 18
Ireland

T +353 1 602 1354
F +353 1 602 1375
W www.bordgais.ie

8th June 2007

Mr Mark Keaveny
Senior Executive Engineer
Racecourse Road
Roscommon
Co. Roscommon



RE: N5 Strategic Corridor – Emerging Preferred Route Corridor Road Scheme

Dear Mr Keaveny,

Thank you for your letter dated 5th June 2007. As per our previous correspondence, I confirm that Bord Gáis have no gas distribution mains in this area. Bord Gáis have no comments on the above scheme.

Yours sincerely,


William Kearney
Distribution Design Manager

-----Original Message-----

From: CLINTON Charles [mailto:CharlesClinton@transport.ie]

Sent: 07 June 2007 17:00

To: N5

Subject: N5 Strategic Corridor - Emerging Preferred Route Corridor Road Scheme

Your Ref: RN04250-02-6495

Attention: Mark Keaveney

Re: N5 Strategic Corridor - Emerging Preferred Route Corridor Road Scheme

Dear Mark,

Further to your correspondence of the 5th June 2007 regarding the above scheme.

Whilst the Minister for Transport issues policy direction to the National Roads Authority, the overall responsibility for planning design and implementation of National Roads Projects is a matter for the National Roads Authority under section 17 of the Roads Act 1993.

Road Policy Division have no comments to make in relation to this scheme as it is a matter for the National Roads Authority.

Yours sincerely,

Charles Clinton

Tá eolas sa teachtaireacht leictreonach seo a d'fhéadfadh bheith príobháideach nó faoi rún agus b'fhéidir go mbeadh ábhar rúnda nó pribhléideach ann. Is le h-aghaidh an duine/na ndaoine nó le h-aghaidh an aonáin atá ainmnithe thuas agus le haghaidh an duine/na ndaoine sin amháin atá an t-eolas. Tá cosc ar rochtain don teachtaireacht leictreonach seo do aon duine eile.

Murab ionann tusa agus an té a bhfuil an teachtaireacht ceaptha dó biodh a fhios agat nach gceadaítear nochtadh, cóipeáil, scaipeadh nó úsáid an eolais agus/nó an chomhaid seo agus b'fhéidir d'fhéadfadh bheith midhleathach.

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W www.irelandwestairport.com

Mr Mark Keaveney
Senior Executive Engineer
National Roads Design Office
Racecourse Road
Roscommon
Co Roscommon

11th June 2007



Dear Mr Keaveney

Thank you for your letter of 5th June with regard to the N5 Strategic Corridor and also for the map enclosed showing the Emerging Preferred Route Corridor.

I have considered the planned route and I am happy to confirm that this is in full accordance with the plans of Ireland West Airport Knock. If there is any way in which the airport can offer assistance, please do not hesitate to contact me.

Yours sincerely

Liam Scollan
Managing Director



Office of the Minister for Agriculture and Food, Dublin 2.

Oifig an Aire Talmhaíochta agus Bia, Baile Átha Cliath 2.

005 Office of the Minister
for Agriculture and Food

11th June 2007

Mr Mark Keaveny
Senior Executive Engineer
National Roads Design
Racecourse Road
Roscommon



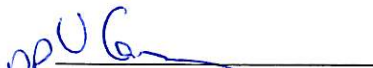
PLEASE QUOTE REF NUMBER ON ALL CORRESPONDENCE.
Our Ref: 2007/28364N /JC

Dear Mr Keaveny

I wish to acknowledge receipt of your recent correspondence addressed to the Minister for Agriculture and Food, Mary Coughlan, TD concerning the N5 Strategic Corridor-Emerging Preferred Route Corridor Road Scheme.

I will bring your letter to the Minister's attention.

Yours sincerely,


Martina Kearney
Private Secretary

006 Health Services
Executive



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Environmental Health Dept.
Health Service Executive West
Time House
Abbey Street, Roscommon
Tel: (090) 6627588
Fax: (090) 6627212

Mr Mark Keaveney
Senior Executive Engineer
National Roads Design Office
Racecourse Rd
Roscommon

18th June 2007

Re: N5 Strategic Corridor – Emerging Preferred Route Corridor Road Scheme

The considerations mentioned in my initial report re: water sources and Rodent Control still stand.

Disturbing the site at Cregga, where 10,000 tonnes of meat were buried, should be avoided.

Yours sincerely

Paul O'Shea
Senior Environmental Health Officer



N5 Strategic Corridor



Emerging Preferred Route Corridor

Public Consultation



May 2007



Questionnaire

Please complete this questionnaire and hand it in at the public consultation or place it in the freepost envelope provided. It should be returned by 15th June 2007

1. Name: Nick Stafford
Address: Forest Service, Johnstown Castle Estate
Wexford.

Work
Home Phone: (053) 9160171 Mobile: _____
Email: Nick.Stafford@agriculture.gov.ie

2. Do you own, rent or occupy property within/ adjacent to the Emerging Preferred Route Corridor? Y N

Description of Property (e.g. Farm, Residential, Shop, Land Registry Folio No., Townland, etc):

NATIONAL ROADS
REGIONAL DESIGN OFFICE
RECEIVED
21 JUN 2007
ACTION...
FILE REF...
COPY TO...
PTO

3. Please give your overall comments on the Emerging Preferred Route Corridor:

- [1] In the event that forestry is on the selected route and trees will be removed, the names & addresses of forestry owners should be submitted to the Forest Service, Johnstown Castle Estate, Wexford as the issue of recouping afforestation grants and premiums paid will need to be examined.
- [2] As the vast majority of state owned forestry is vested in Coillte Teoranta, they should also be consulted if there is any such forestry on the selected route.
- [3] While there are certain exemptions, it is unlawful, under the Forestry Act 1946, to fell a tree of any age without a felling licence or to uproot a tree over 10 years of age.

If you need more space for your comments, please attach additional sheets.

If you wish to discuss any issues relating to this project, please contact:

The Project Engineer,
N5 Strategic Corridor, National Roads Design Office, Roscommon County Council,
Racecourse Road, Roscommon.

Telephone: 090-6627004, Fax: 090-6627040, Email: n5@roscommonnrdo.ie



Thank you for Your Co-operation

RN 04 250-02-6765

COMHAIRLE CHONTAE ROS COMAIN

Roscommon County Council

TEACH NA CÚIRTE
ROS COMÁIN
Tel: 090-6637100 Faics: 090-6637108

COURTHOUSE
ROSCOMMON
Tel: 090-6637100 Fax: 090-6637108



Roscommon
County Council
Courthouse
Roscommon

Comhairle Chontae
Ros Comáin
Teach na Cúirte
Ros Comáin

Tel: (090) 6637100
Fax: (090) 6637108

E-mail:
secretar@roscommoncoco.ie

Website:
www.roscommoncoco.ie

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 - Reception 6637100
 - Arts Centre 6625824
 - Arts Officer 6637285
 - Community & Enterprise 6637325
 - Civil Defence 6637206
 - Corporate Services 6637140
 - Environment 6637260
 - Finance 6637187
 - Fire Services 6637130
 - Housing 6637230
 - Human Resources 6637144
 - Information Technology 6637200
 - Library HQ 6637270
 - L-I-T-T-E-R 1850 54 88 37
 - Motor Tax 6637250
 - Planning 6637175
 - Regional Offices NRA 6627004
 - Rates 6637210
 - RCDB 6637325
 - Reg. of Electors 6637147
 - Roads 6637152
 - Stores 6637225
 - Water Services 6637165

Tá fáilte romhat gnó a dhéanamh as Gaeilge



**008 Water Services -
Roscommon Co. Co.**

21st June 2007
KM/CC

Mark Keaveney
Senior Executive Engineer
National Roads Design Office

Re: N5 Strategic Corridor – Emerging Preferred Route.

A Chara

I refer to your letter of 5th June 2007 in relation to the above. I have no objection from a Water Services point of view to the emerging preferred route. Obviously there would be a number of points where existing infrastructure will be crossed particularly watermains and in this regard I refer you to our CIS system, copy of which I understand has been forwarded to you.

I should point out that at the western extremity Roscommon County Council does maintain a reservoir in the townland of Rathkeery. There are also sections of the road, which cross through group scheme infrastructure.

If you have any further queries in relation to the above please contact the undersigned.

Mise le meas

Kieran Madden
Senior Engineer
Water Services

**NATIONAL ROADS
REGIONAL DESIGN OFFICE
RECEIVED
25 JUN 2007**
ACTION.....
FILE REF.....





IRISH PEATLAND CONSERVATION COUNCIL

COMHAIRLE CHAOMHNAITHE PHORTAIGH NA HEIREANN

Bog of Allen Nature Centre, Lullymore, Rathangan, Co. Kildare, Ireland.

009 Irish Peatland
Conservation Council

e-mail: bogs@ipcc.ie web: www.ipcc.ie
Tel: +353-45-860133 Fax: +353-45-860481

Mark Keaveny
Senior Executive Engineer
Racecourse Road
Roscommon
Co. Roscommon



21st June 2007.

RE: N5 Strategic Corridor

Dear Mr. Keaveny,

The Irish Peatland Conservation Council (IPCC) wish to make some comments on the above proposed road development. Having examined the study area map you provided, I wish to highlight the ecological importance of six peatland sites and two turlough sites that lie within or directly adjacent to the Constraints Study Area. All eight sites are currently designated for conservation. Of particular concern to the IPCC is the placing of the preferred route corridor through a large portion of Bellanagare Bog SAC 592. This bog has been designated as a Special Area of Conservation because raised bogs are listed as a priority habitat on Annex I of the E.U. Habitats Directive. The IPCC would strongly object to the placing of the N5 Strategic Corridor through Bellanagare Bog SAC 592.

Site 1: Bellanagare Bog, SAC code 592

Bellanagare Bog is a large bog situated 6 km north-north-east of Castlerea. It is classified as a western, or intermediate, raised bog, showing as it does features of both raised bog and blanket bog. This habitat is a priority habitat on Annex I of the EU Habitats Directive. The surface of the bog is undulating and the peat is concentrated on ridges, with flushes occurring in between. A number of streams, including the Frances River, rise on the site. The bog is traversed by several tracks. A large section of the site is in state ownership. Bellanagare Bog is of considerable scientific and conservation significance, in particular for its status as an intermediate raised bog, for the wide variety of different flush types found, for its large size and for the presence of the scarce Bog Moss (*Sphagnum pulchrum*).

Site 2: Cloonshanville Bog, SAC code 614

Cloonshanville Bog is a large raised bog. It is located approximately 2 km east of Frenchpark. The eastern boundary of the site is the Breedoge River, the southern the Frenchpark/Elphin road. A large flush area occurs in the centre of the bog dome. The main body of the flush supports an extensive area of bog woodland. This habitat is also listed as a priority Annex I habitat under the EU Habitats Directive and is an extremely rare Irish woodland type.

Site 3: Bella Bridge Bog, NHA code 591

Bella Bridge Bog NHA is located approximately 2.5 km north-east of Frenchpark, mainly in

the townlands of Drishaghaun and Finisclin, Co. Roscommon. The site comprises a raised bog that includes both areas of high bog and cutover bog. The site is bounded in the west by the Breedoge River. Bella Bridge Bog NHA is a site of considerable conservation significance, comprising as it does, a raised bog, a rare habitat in the E.U. and one that is becoming increasingly scarce and under threat in Ireland.

Site 4: Cornaveagh Bog, NHA code 603

Cornaveagh Bog NHA is located approximately 4 km north-north-east of Frenchpark, mainly in the townlands of Cornaveagh, Tonroe (also known as Feenagh) and Finisclin in Co. Roscommon. The site comprises a raised bog that includes both areas of high bog and cutover bog. The site is bounded in the south by the road between Breedoge and Ballybaun crossroads. Cornaveagh Bog NHA is a site of considerable conservation significance, comprising as it does, a raised bog, a rare habitat in the E.U. and one that is becoming increasingly scarce and under threat in Ireland.

Site 5: Annaghmore Lough, NHA code 1626

Annaghmore Lough is located 5km north-west of Strokestown. It lies in the centre of a network of small lakes in rolling drift covered land. A smaller less calcareous lake occurs to the south of the site. Club-rush (*Scirpus lacustris*) grows in the lake. Reedbeds with the Common Reed (*Phragmites australis*) and Fen vegetation with Black Bog rush (*Schoenus nigricans*) occur around the shoreline. A small region of limestone pavement with abundant Stonecrop (*Sedum album*) and an old cutaway bog add diversity to the site. This a very calcareous lake with important wildfowl numbers. It is a wildfowl sanctuary of the Wildlife Service and is of high scientific importance.

Site 6: Ardakillin Lough, NHA code 1617

Ardakillin Lough is located approximately 3km. south-west of Strokestown. The main habitat in this site is a fen and flush community. The site shows a rich diversity of wetland communities as well as being important for its bird populations. The lake acts as a refuge when the regional watertable is low and the turloughs are dry. The site is also of archaeological interest with the abundance of crannogs and other remains.

Site 7: Mullygollan Turlough, SAC code 612

Mullygollan Turlough is located beside the road, about halfway between Castleplunket and Tulsk. It is in a noticeable basin, bordered by a rock outcrop to the north and sloping, drift-covered fields to the south. A semi-permanent stream enters from the west and flows towards ponds and a swallow hole in rock. The floor of the turlough retains a high watertable, with ditches in summer and there is significant peat accumulation. Fen vegetation covers this peat. Mullygollan is an important turlough because of its semi-natural condition, and its high degree of physical and vegetational diversity. The occurrence of the scarce Water Sedge (*Carex aquatilis*) and Lesser Water-parsnip (*Berula erecta*), the former in its only known turlough site are of interest. This, coupled with its birdlife, adds to its overall importance.

Site 8: Corbally Turlough, NHA code 1627

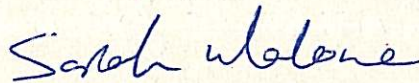
Corbally is one of seven turloughs centred around Tulsk in central Roscommon. It covers a small site beside the main Strokestown road where several fields converge in a small shallow basin.

The floor of the turlough is covered in a thin layer of drift but the basin itself is underlain by limestone, making the turlough quite productive in terms of its vegetation. A feature of interest are the three crannogs forming prominent hillocks within the turlough. In addition to being of archaeological interest, they provide roosting and nesting places for several bird species. The vegetation and birdlife make this site interesting on scientific grounds, while the archaeology of the area adds to its overall importance.

I hope this information is of use to you and will help avoid potential damage the proposed development could cause to any of these sensitive habitats. Further information on NHA's and SAC's can be found on the National Parks and Wildlife Service website.

Thank you for consulting with IPCC on this matter.

Regards,

A handwritten signature in blue ink that reads "Sarah Malone". The signature is written in a cursive style with a horizontal line underneath it.

Sarah Malone, B.A. Her. Stud.
Conservation Officer, IPCC.

An Garda Síochána

010 An Garda Síochána

An t-Ard Ceannfort
An Garda Síochána
Roscomáin



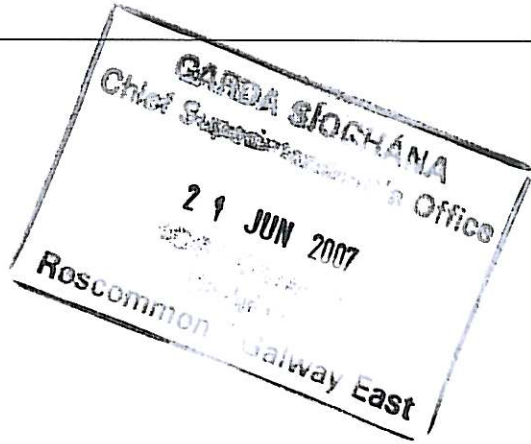
Chief Superintendent
An Garda Síochána
Roscommon

Tel/Teileafón: (090) 66 38311
Fax/Facs: (090) 6638381

WebSite: www.garda.ie
E-mail:

Please quote the following Ref.
RG 42/1/07
RN04250-02-6495

Date:

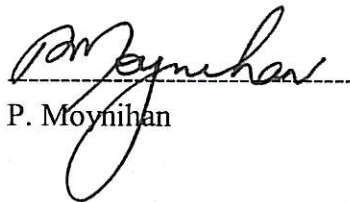


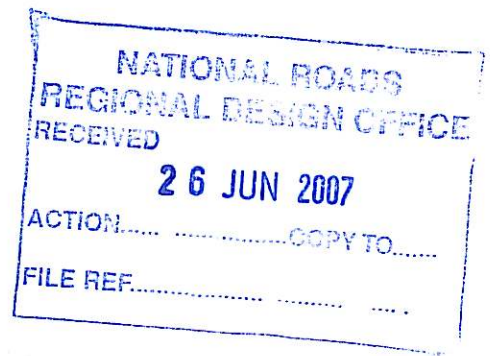
Mr. Mark Keaveney,
Senior Executive Engineer,
National Roads Design Office,
Racecourse Road,
Roscommon,
Co. Roscommon.

Re: N5 Strategic Corridor – Emerging preferred route Corridor Road Scheme .

I refer to your letter of the 5th June 2007.

I am to inform you that the Gardai have no objection to the proposed route.

 Chief Superintendent
P. Moynihan



For more information contact the Garda Síochána
Public Relations Unit, Garda Síochána, Roscommon
Tel: (090) 6638381
Fax: (090) 6638381
www.garda.ie



For more information contact the Garda Síochána
Public Relations Unit, Garda Síochána, Roscommon
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Engineering Services
17-19 Lower Hatch Street
Dublin 2

Seirbhísí Innealtóireachta
17-19 Sráid Haiste lochtar
Baile Átha Cliath 2

011 Office of Public Works



OPW

The Office of Public Works
Oifig na nOibreacha Poiblí

Our Ref: 1618-2006
Your Ref: RN04250-02-6495

Mr. Mark Keaveny,
Senior Executive Engineer,
National Roads Design Office,
Racecourse Road,
Roscommon,
Co. Roscommon.

Re: N5 Strategic Corridor.

Dear Mr. Keaveny,

I refer to your correspondence dated 5th June 2007, which was received in our Headford Office, in relation to the above matter.

The documentation submitted has been examined and the Commissioners of Public Works would like to make the following comments and requirements.

The corridor crosses a number of channels associated with the Boyle Drainage Scheme, the Longford Drainage District, the Keenagh Drainage District, the Strokestown Drainage District and the Elphin Drainage District.

Please see attached maps showing Drainage Schemes marked in Blue lines, Drainage Districts marked in Red lines and benefiting lands marked by shaded green areas. This Office has a maintenance responsibility for the Boyle Arterial Drainage Schemes and the relevant Local Authorities has responsibility for the maintenance of the Drainage Districts.

Requirements of this Office:

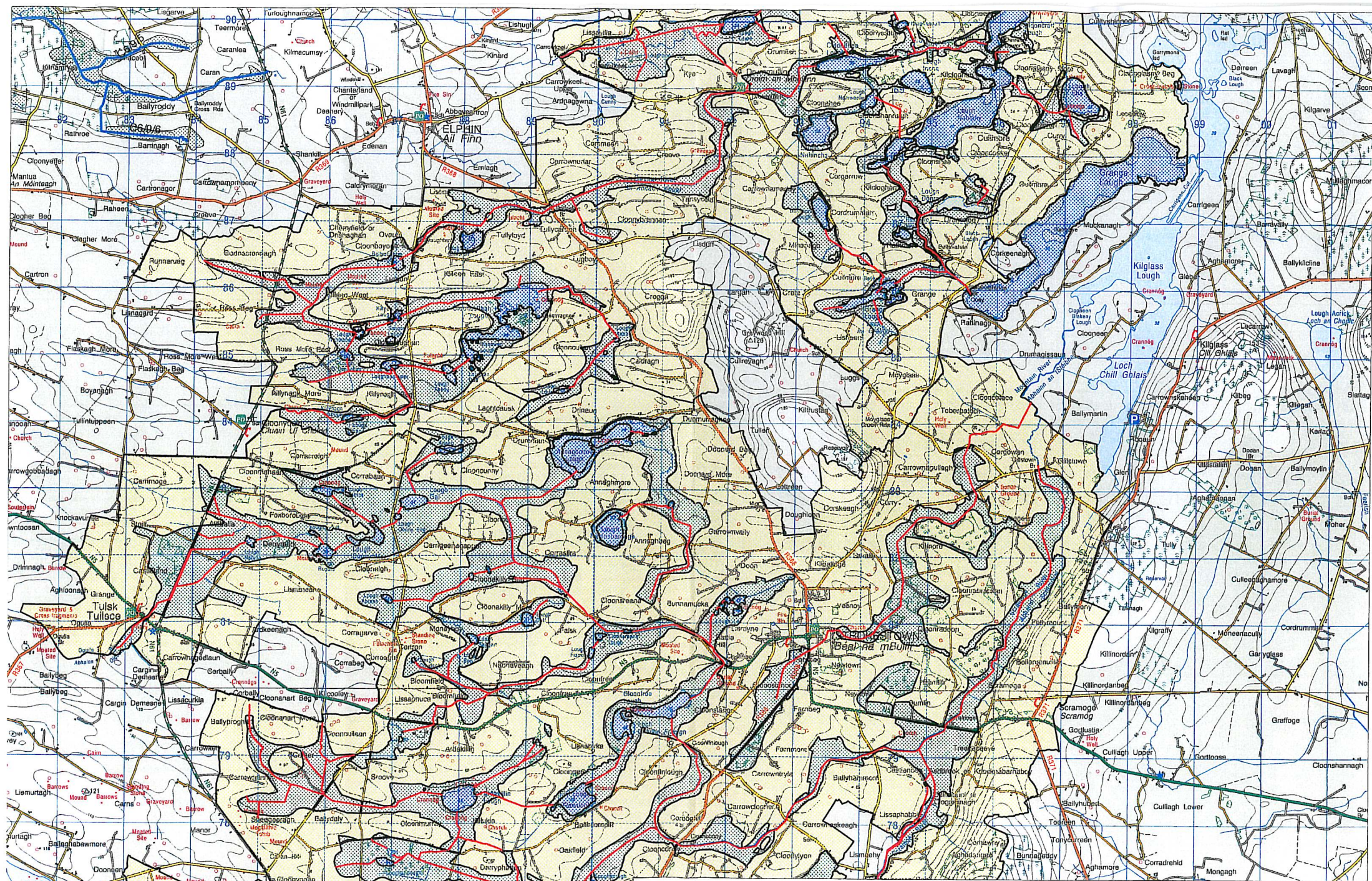
- That a 7m clear and level access and egress along its channels to carry out maintenance.
- That no flooding should be caused during or after construction of the project.
- Any water crossing associated with the project will require consent from the Commissioners of Public Works under Section 50 of the Arterial Drainage Act, 1945.

Yours sincerely,



Joan Crosbie
Engineering Services
9th July 2007.





Office of Public Works
 N5 Route- Ballaghaderreen To Strokestown
 OPW Channels

Scale 1 : 50,000
 Date: 21 June 2007
 Drawing No: 2 of 2





012 Department of the
Environment, Heritage and
Local Government -
Development Applications
Unit

22 June 2007

Our Ref: G2007/368
Your Ref: RN04250 - 02- 6495

Mr. Mark Keaveny,
Senior Executive Engineer,
National Roads Design Office,
Racecourse Road,
Roscommon,
Co. Roscommon.

Re: N5 Strategic Corridor – Emerging Preferred Route Corridor Road Scheme

A Chara,

We refer to your notification in relation to the above proposed road scheme. Outlined below are the recommendations of the Department of the Environment, Heritage and Local Government.

Nature Conservation recommendations

The route corridor includes the northernmost part of Bellanagare Bog candidate Special Area of Conservation (cSAC site code 000592) and also it runs close to Annaghmore Lough cSAC. (site code 001626). Please see copies of site synopses enclosed for your information. The qualifying interest for these SACs are as follows:

Bellanagare Bog (592)

- Active raised bogs
- Degraded raised bogs still capable of natural regeneration
- Depressions on peat substrates of the Rhynchosporion
- Euphydryas aurinia

Annaghmore Lough (1626)

- Alkaline Fen
- Vertigo greyeri

It is the Department's recommendation that the road should be positioned as far north within the preferred route corridor as possible where it skirts these cSACs. Any other important/protected habitats and species within the corridor should be protected by suitable measures.

This Department also makes the following recommendations:



- No vegetation removal between 1st of March and 30th of August
- No drainage which can have detrimental effect on the hydrology of the cSACs should be carried out
- An ecological assessment should be carried out on the proposed route incorporating measures to protect mammals such as Otter, Badger and Bats.


Archaeological recommendations

It is noted that the proposed preferred route does avoid the main concentration of monuments around Rathcroghan.

However, the proposed development traverses an archaeologically rich area and there is a strong likelihood of impact on known and previously unknown archaeological material is high. It is important that a thorough Archaeological Assessment be carried out in advance to inform design throughout the EIA process. This assessment should include a description of the known and potential archaeological remains based on results of field walking, documentary research, examination of aerial photography, examination of results of previous archaeological mitigation in the vicinity of the scheme. In addition the results of archaeological mitigation for any engineering investigations carried out, results of Underwater Archaeological Assessment, and visual impact assessment of any above ground installations or associated structures should also be included in the report. An assessment of the impact of all aspects of the development including direct and indirect impacts, off site, secondary and cumulative impacts should be considered and clearly outlined. A mitigation strategy should clearly outline the suggested measures to avoid impact on the archaeological remains. It should be noted that a code of practice has been agreed between the National Roads Authority and the Minister for the Environment, Heritage and local Government. This code suggests that mitigatory planning at the earliest opportunity minimises the impact on the archaeological heritage.

It is strongly recommended that your Project Archaeologist keep this office apprised of findings made during the course of the assessment of the proposed route.

Mise le meas,


Anthony Byrne
Development Applications Unit



11 July 2007

Our Ref: G2007/368

Mr. Mark Keaveny,
Senior Executive Engineer,
National Roads Design Office,
Racecourse Road,
Roscommon,
Co. Roscommon

Re: N5 Strategic Corridor – Emerging Preferred Route Corridor Road Scheme

Dear Mr. Keaveny,

We refer to your letter of 05 June 2007 regarding the above-proposed development. Outlined below are the nature conservation recommendations of the Department of the Environment, Heritage and Local Government.

It is noted that the corridor includes the northernmost part of Bellanagare Bog candidate Special Area of Conservation (cSAC) site code no. 000592 (see attached site synopsis) and also it runs close to Annaghmore Lough cSAC site code no. 001626. The qualifying interest for these SAC's are as follows:

Bellanagare Bog

- Active raised bogs
- Degraded raised bogs still capable of natural regeneration
- Depressions on peat substrates of the Rhynchosporion
- Euphydryas aurinia

Annaghmore Lough

- Alkaline Fen
- Vertigo greyeri

It is recommended that the road be positioned as far north within the preferred route corridor as possible where it skirts these cSAC's. Any other important/protected habitats and species within the corridor should be protected by suitable measures.

We also recommend the following:

- No vegetation removal between 1st March and 30th August
- No drainage which can have a detrimental effect on the hydrology of the cSAC's should be carried out



AN ROINN COMHSHAOIL,

OIÐHREACHTA AGUS

RIALTAIS ÁITIÚIL

DEPARTMENT OF THE

ENVIRONMENT, HERITAGE AND

LOCAL GOVERNMENT

DÚN SCÉINE

LÁNA FHEARCAIR

BAILE ÁTHA CLIATH 2

DÚN SCÉINE

HARCOURT LANE

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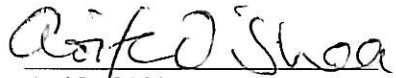
Fax: +353 1 478 0806



- An ecological assessment should be carried out on the proposed route incorporating measures to protect mammals such as Otter, Badger and Bats.

This recommendation is based on papers submitted to this Department on a pre-planning basis and is made without prejudice to any decision the Minister may take upon sight of a formal planning application.

Yours sincerely,



Aoife O'Shea
Development Applications Unit

Encl.

SITE SYNOPSIS

SITE NAME: BELLANAGARE BOG

SITE CODE: 000592

Bellangare Bog is a large bog situated 6 km north-north-east of Castlerea. It is classified as a western, or intermediate, raised bog, showing as it does features of both raised bog and blanket bog. The bog is underlain by muddy Carboniferous limestone with a low permeability. The sub-soil is predominantly of clayey limestone till. The site lies in an upland area at the top of a surface catchment divide. The surface of the bog is undulating and the peat is concentrated on ridges, with flushes occurring in between. A number of streams, including the Frances River, rise on the site. The bog is traversed by several tracks. A large section of the site is in state ownership.

The vegetation of the high bog is characterised by an abundance of Deergrass (*Scirpus cespitosus*), Bog Asphodel (*Narthecium ossifragum*) and Carnation Sedge (*Carex panicea*), with varying dominances. The cover of Bog Moss (*Sphagnum* spp.) is generally low (< 10%), but there are some localised wetter areas with pools, where Bog Moss cover is higher, as at the western and eastern sides of the site. Bog-Sedge (*Carex limosa*), a species more usually found on blanket bogs, occurs in some pools, while the scarce Bog Moss, *Sphagnum pulchrum*, is found in some of the wetter parts of the site. Well-developed hummocks and several quaking areas occur in some sections of the site. For a raised bog, Bellanagare Bog is floristically unusual, supporting, as it does, species typically found on raised bogs as well as species more usually found on blanket bogs.

Bellanagare Bog is also notable for the range of flush types found. These occur quite frequently and are usually located in depressions. Flush types on the site include an in-filling lake, an extensive Purple Moor-grass (*Molinia caerulea*) flush with a high diversity of plant species, a large swallow-hole flush and flushes associated with springs, rises and streams. One flush is coincident with a bog burst. The site also includes much cutaway bog, small areas of heath, scrub, wet grassland and several small conifer plantations.

The site is vulnerable to water loss through the extensive drain network in its northern half and from active peat-cutting, which occurs in places all around the site. Because it is also quite a dry bog it is very vulnerable to burning.

The site provides habitat for a relatively large population of Red Grouse, a scarce and declining species in Ireland.

Bellanagare Bog is of considerable scientific and conservation significance, in particular for its status as an intermediate raised bog, for the wide variety of different flush types found, for its large size and for the presence of the scarce Bog Moss (*Sphagnum pulchrum*). Raised bogs are rare and threatened in Europe and are listed as a priority habitat on Annex I of the EU Habitats Directive.

31.1.1997

16 July 2007

Our Ref: G2007/368

Mr. Mark Keaveny,
Senior Executive Engineer,
National Roads Design Office,
Racecourse Road,
Roscommon,
Co. Roscommon

Re: N5 Strategic Corridor – Emerging Preferred Route Corridor Road Scheme

Dear Mr. Keaveny,

We refer again to your letter of 05 June 2007 and our response of 11 July 2007 regarding the above-proposed development.

We wish to confirm that Bellanagare Bog cSAC is not within the route corridor as mistakenly stated in our previous letter of 11 July 2007.

This recommendation is based on papers submitted to this Department on a pre-planning basis and is made without prejudice to any decision the Minister may take upon sight of a formal planning application.

Yours sincerely,


Aoife O'Shea
Development Applications Unit



013 Environment Section -
Roscommon Co. Co.

REPORT TO ROADS DESIGN OFFICE

To: Mark Keaveny
Date: 6th July 2007
File Reference No: RN 04250-02-6495
From: Environment Section
Proposed Development: N5 Strategic Corridor Study

Dear Mark,

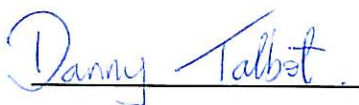
With reply to your letter dated the 5th of June, 2007 to John Mockler, Senior Executive Engineer and Tommy Ryan, Director of Services, I would like to make the following comments and observations on behalf of the Environment Section:

- According to your map the Ballaghaderreen Landfill Facility / Civic Amenity Site is outside the study corridor area. This landfill facility will continue to operate until 2010-2011.
- With regard to the removal or importation of subsoil, topsoil, stone, and rock from/to the site during the road construction, there is a requirement to identify the various wastes arising from the works, and provide details of facilities where these wastes will be disposed/ recovered. This should include facility/permit numbers, waste collector(s) for all hazardous and non hazardous waste. All non-inert material arising should be treated in a way that facilitates maximum recovery and minimum disposal at licensed/ permitted facilities.
- All waste deposited to or removed from site must be transported by permitted waste collectors in accordance with the Waste Management (Collection Permit) Regulations, 2001 (SI No 402 of 2001).

- Groundwater protection is of paramount importance. I'm sure that you are aware that the Geological Survey of Ireland has compiled comprehensive Groundwater Protection Maps for Roscommon County Council. You will need to take this information into account to ensure that activities do not result in polluting matter entering groundwater.
- The Water Services Department should have any information that you require regarding water supply infrastructure, sources, source protection employed etc. The band under consideration is running through and near a lot of very important drinking water supply sources including, Ballinagare, Annaghmore Lake and Clooncullan Lake.
- At Cregga Hill in Cuilrevagh Townland, near Hanleys quarry, a burial pit for carcasses of burnt meat exists as a result of a fire in a meat plant exists. See attached map, which also shows the location of 8 boreholes. It is just outside the band under consideration.
- Road drainage must receive some form of preliminary treatment prior to discharge to drains/ rivers to prevent deterioration of water quality. Under the Water Framework Directive, by 2015 rivers must reach a good status.
- All potentially polluting material including diesels, oils and lubricants shall be stored in bunded areas and be returned to the bunded areas as soon as possible after use. Spill response plans shall be put in place to deal with leakages and spillages. Particular attention should be drawn to Bowsers as these are common causes of large spills.
- The limit of dust and noise nuisance must be a priority in the construction stage of this project as these lead to a large number of complaints in similar projects.

Hopefully this is of some benefit to you, if you require further clarification/information you can reach me on Ext. 525

Regards,



Danny Talbot
Executive Engineer,
Environment Section,
Roscommon County Council

CREGG

North

Site outlined in red

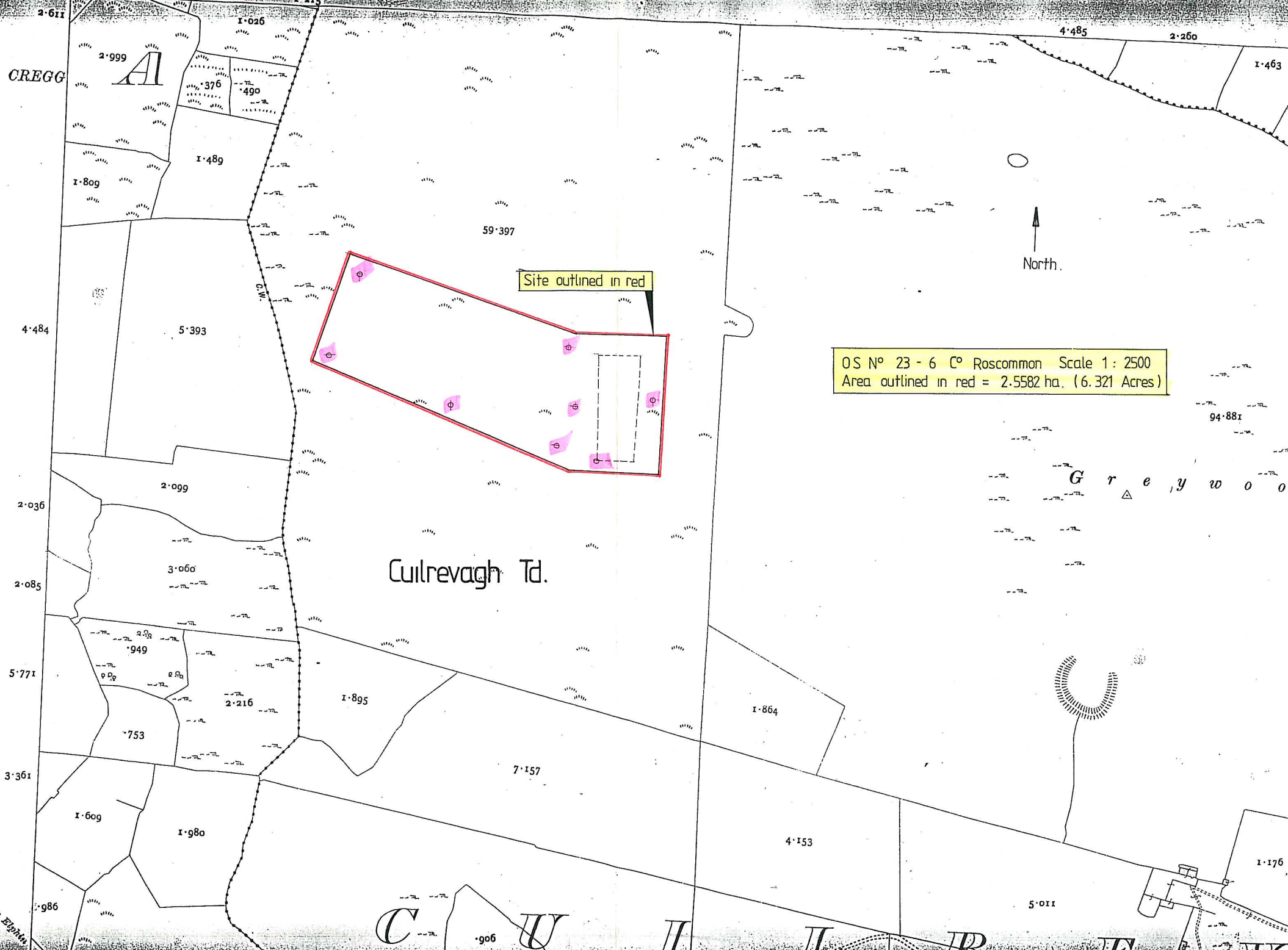
OS N° 23 - 6 C° Roscommon Scale 1 : 2500
Area outlined in red = 2.5582 ha. (6.321 Acres)

Cuilrevagh Td.

G r e e y w o o

From Eglis

C U I I R T N



Mark Keaveny

From: Sarah Gatley [Sarah.Gatley@gsi.ie]
Sent: 24 August 2007 17:30
To: Mark Keaveny
Subject: RE: Preliminary Geological Heritage Sites in Roscommon

014 Geological Survey of
Ireland

Dear Mark,

Many apologies - I realised it was past your deadline at the beginning of the week but I had been trying to contact our Quaternary consultant expert, Dr Robbie Meehan, who had been away on holiday.

Robbie emphasised that the drumlins at Tulsk are the best examples in Ireland and he will send me (unfortunately not till Tuesday) co-ordinates for the best part of the area.

However, these are such large landscape features (drumlins on top of much larger ridges) that road construction will not compromise the integrity of the features; in fact any road that necessitates a section being cut through them would enhance our geological knowledge.

As in the case of many of our larger geomorphologically significant heritage sites (usually glacial features such as eskers and moraines), it is difficult, or impossible to throw a cordon around them and say that they are off-limit. This particular topographic area will be featured in our report on Quaternary Theme (IGH7) sites as an area of interest but which is too large to designate as a Natural Heritage area.

As a general comment, in the event of any infrastructure development (all other factors considered), GSI would much appreciate a copy of reports detailing site investigations undertaken. The data would be added to GSI's national database of site investigation boreholes, implemented to provide a better service to the civil engineering sector.

We would also appreciate notification of any ground excavations etc. carried out that might provide good geological exposures for our examination and enhance our understanding of the area. This would allow recording, fossil or rock sample collecting and gathering of new data. Furthermore, if any significant bedrock cuttings are created, we would request that they should be designed to remain available as rock exposure rather than covered with soil and vegetated.

I hope that these comments will be of assistance, and if the GSI can be of any further help, please contact me.

Kind regards

Sarah

Dr Sarah Gatley
 Senior Geologist, Head IGH Programme
 Geological Survey of Ireland
 Beggars Bush
 Haddington Road
 Dublin 4
 Tel(Dir) +353-1/01 6782837
 Fax: +353-1/01 6782559
 Email: <mailto:sarah.gatley@gsi.ie>
 Website: www.gsi.ie
 Latest GSI Newsletter: www.gsi.ie/newsletters/

-----Original Message-----

From: Mark Keaveny [mailto:MKeaveny@roscommonnrdo.ie]
 Sent: 31 July 2007, 16:07
 To: Sarah Gatley
 Subject: Preliminary Geological Heritage Sites in Roscommon

Mark Keaveny

From: Sarah Gatley [Sarah.Gatley@gsi.ie]
Sent: 28 August 2007 15:10
To: Mark Keaveny
Subject: Tulsk Drumlins

Hi Mark,

As a follow-on to my previous email,

These are the co-ordinates for the best area of superimposed drumlins, west of Tulsk:

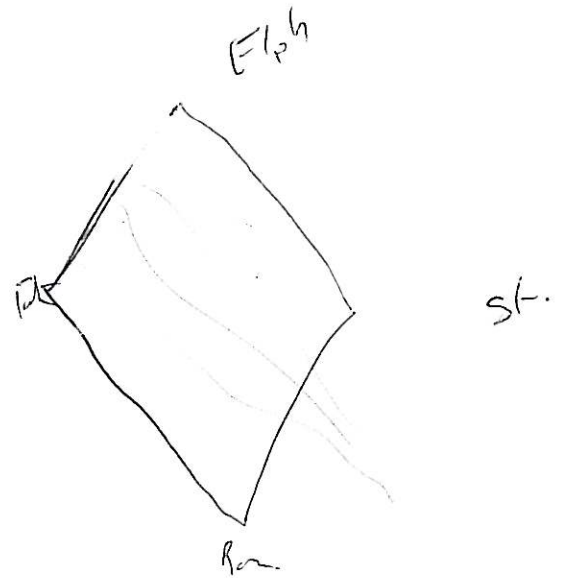
The area is a diamond shaped parallelogram with the four corners ...

N 187710 287500
E 192990 280750
S 190800 272600
W 183200 281270

All good wishes

Sarah

Dr Sarah Gatley
Senior Geologist, Head IGH Programme
Geological Survey of Ireland
Beggars Bush
Haddington Road
Dublin 4
Tel(Dir) +353-1/01 6782837
Fax: +353-1/01 6782559
Email: <mailto:sarah.gatley@gsi.ie>
Website: www.gsi.ie
Latest GSI Newsletter: www.gsi.ie/newsletters/



From: Ciaran McGill [Ciaran.McGill@coillte.ie]
Sent: 15 June 2007 11:43
To: N5
Subject: N5 strategic corridor

015 Coillte Teoranta

Attn: Mr Mark Keaveney

Dear Mr Keaveney,
Thank you for your maps etc showing the emerging preferred route corridor for the N5 scheme. The corridor as proposed passes through or near to a number of Coillte Properties. From an Engineering viewpoint Coillte would have no objections at this stage to the proposed route. We would have concerns however that access to all or parts of our estate could be hindered including public road access or cutting off of a ROW etc. and would request that you take cognisance of this in your designs and incorporate access points as necessary.

Please do not hesitate to contact us if we can be of any assistance. I will forward your proposals to our Estate's District Manager for the area fro his comments. He is Mr Gerry Gavin, The Demesne, Mountbellew, Co Galway.

Regards,
Ciaran Mc Gill,
Region Engineer, Coillte Teo.

COILLTE TEORANTA REGISTERED IN IRELAND
REGISTERED OFFICE Number 138108
Newtownmountkennedy, Co. Wicklow.

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