

**INVERTEBRATE SITE REGISTER
MASTER FORM**

Site number

70/41

Name(s)

**STARGATE QUARRY
BEWES HILLS**

County(s)

Tyne and Wear

Grid. Ref.

NZ1663

Grade

?

Status

Private owner



Site description - Habitat

Large area of disused sandpits with three large pools. Two of these are rather bare of vegetation, the third and smallest has fringe of emergent vegetation dominated by Eleocharis. Of particular interest is the springline at NZ170632 which forms a linear strip of marsh.

Invertebrate Interest - Coverage

The larger ponds contain an interesting assemblage of waterbeetles typical of bare substrate lakes. The springline provides a very unusual habitat with water running over sand and has produced several interesting records, for example the waterbeetle Laccobius sinuatus at its most northerly site and the ground beetle Harpalus tardus, although it has not been heavily worked. The area also has an unusual assemblage of ground beetles and spiders with species typical of sparsely vegetated ground including the notable ground beetle Dyschirius politus - a new record for the North-east.

Comments - Conservation

The invertebrate interest on this site is mainly due to coloniser species coming onto the bare sand as vegetation starts to spread. Extensively used for motorcycle scrambling and this serves to keep the habitat open. Angling pressure on the ponds erodes the bankside vegetation. Parts of the site may be affected by the construction of a bypass road. This would be an extremely difficult site to conserve because the interest is in the early successional stages. Providing disturbed sandy areas remain in the general area, the interesting species should be able to find them.

Red Data Book and Notable species recorded for STARGATE QUARRY

Notable/Nb

<i>Amara fulva</i>	COL:Carabidae	1985	Eyre, M D
<i>Dyschirius politus</i>	COL:Carabidae	1985	Eyre, M D
<i>Grypus equiseti</i>	COL:Curculionidae	1982	Eyre, M D
<i>Laccobius sinuatus</i>	COL:Hydrophilidae	1985	Eyre, M D
Spring Line and ponds			
<i>Stenus atratulus</i>	COL:Staphylinidae	1983	Eyre, M D
<i>Stictonectes lepidus</i>	COL:Dytiscidae	1985	Eyre, M D
Spring Line			
<i>Argyra perplexa</i>	DIP:Dolichopodidae	1984	Ball, Dr S G
<i>Dolichopus longitarsis</i>	DIP:Dolichopodidae	1985	Ball, Dr S G
<i>Minettia fasciata</i>	DIP:Lauxaniidae	1984	Ball, Dr S G
<i>Nephrotoma submaculosa</i>	DIP:Tipulidae	1982	Sheppard, Dr D A
<i>Rhaphium longicorne</i>	DIP:Dolichopodidae	1985	Ball, Dr S G
<i>Syntormon pumilus</i>	DIP:Dolichopodidae	1985	Ball, Dr S G
<i>Tomosvaryella palliditarsis</i> (Col)	DIP:Pipunculidae	1985	Ball, Dr S G

Nr

<i>Chrysopa septumpunctata</i> Wesmæl	NEU:Chrysopidae	1982	Eyre, M D
<i>Acilius sulcatus</i> (L)	COL:Dytiscidae	1985	Eyre, M D
Ponds			
<i>Dromius notatus</i>	COL:Carabidae	1986	Eyre, M D
<i>Haliphus confinis</i> Stephens	COL:Haliplidae	1985	Eyre, M D
Ponds			
<i>Harpalus rubripes</i> (Dufts.)	COL:Carabidae	1985	Eyre, M D
<i>Harpalus tardus</i> (Panzer)	COL:Carabidae	1985	Eyre, M D
<i>Hyphydrus ovatus</i> (L)	COL:Dytiscidae	1985	Fraser, Alex
<i>Stenus comma</i> LeConte	COL:Staphylinidae	1983	Eyre, M D

Local

<i>Sigara limitata</i>	HEM:Corixidae	1982	Eyre, M D
<i>Agabus didymus</i> (Oliver)	COL:Dytiscidae	1985	Eyre, M D
Spring Line			
<i>Agonum marginatum</i> (L)	COL:Carabidae	1985	Eyre, M D
<i>Agonum thoreyi</i> DeJean	COL:Carabidae	1985	Eyre, M D
<i>Amara communis</i>	COL:Carabidae	1985	Eyre, M D
<i>Bradycellus verbasci</i> (Dufts.)	COL:Carabidae	1985	Eyre, M D
<i>Cicandela campestris</i> L	COL:Carabidae	1985	Eyre, M D
Green Tiger Beetle			
<i>Coelambus confluens</i> (F)	COL:Dytiscidae	1985	Fraser, Alex
<i>Elaphrus cupreus</i> Dufts.	COL:Carabidae	1985	Eyre, M D
<i>Haliphus obliquus</i> (F)	COL:Haliplidae	1985	Fraser, Alex
<i>Laccobius biguttatus</i> Gerhardt	COL:Hydrophilidae	1985	Eyre, M D
Ponds			
<i>Laccophilus minutus</i> (L)	COL:Dytiscidae	1985	Fraser, Alex
<i>Ochthebius dilitatus</i> Stephens	COL:Hydraenidae	1985	Eyre, M D
Spring Line			
<i>Potamonectes assimilis</i> (Paykull)	COL:Dytiscidae	1985	Fraser, Alex
<i>Prasocuris junci</i>	COL:Chrysomelidae	1983	Walker, Mark (deceased)
Habitat indicator of Reedbed, Fen, Carr or grazing marsh (3)			

STARGATE QUARRY (Continued)

Stenus cicindeloides (Schaller)	COL:Staphylinidae	1983	Eyre, M D
Stenus ossium Stephens	COL:Staphylinidae	1983	Eyre, M D
Stenus picipennis Erichson	COL:Staphylinidae	1983	Eyre, M D
Pelecopsis parallela (Wider)	ARA:Linyphiidae	1986	Rushton, Dr S J

40 species listed
 Invertebrate Index = 680

NATURE CONSERVANCY COUNCIL

SITE NAME

GRID REFERENCE

INVERTEBRATE

STARGATE QUARRY

NZ1663

SITE

DATE OR PERIOD OF VISITS

MODERN COUNTY

REGISTER

6/8/86.

TYNE & WEAR

RECORDER

ALTITUDE M.

S G BALL

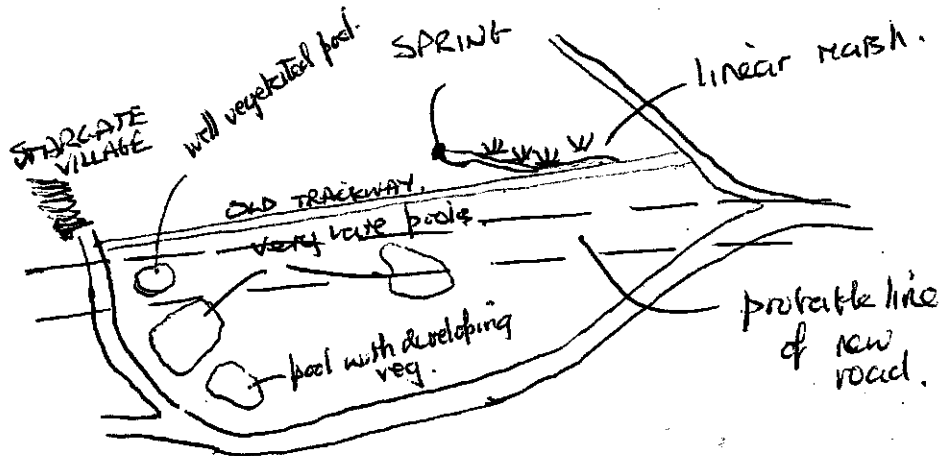
Site Status

- National Nat. Res.
- RSPB Reserve
- County Trust Res.
- SSSI
- Local Authority
- Common Land
- Forestry Commission
- Min. of Defence
- National Trust
- Private Owner
- Other, please state

Confidentiality

- At discretion of NCC
- Consult recorder

Sketch Map (showing main areas of invertebrate interest)



Site Description (habitats of interest)

Large area of disused sand workings, with many pools of varying size. Springline on bare sand beside old trackway has developed a linear marsh.

Main Invertebrate Interest

The pools show a variety of successional stages from virtually bare to well colonised and support a fair range of waterbeetles. The bare sand and springline support a particularly interesting beetle fauna including Laccobius sinuatus at its most northerly known site anywhere. The interesting fauna is basically related to colonisation of bare sand, so the role of the springline is useful in keeping this spring.

General Comments (Site importance, conservation problems etc)

Owned by Tyne & Wear - subject to a recreation scheme. Bypass due to go through the area. Visited with John Hocking & Mick Eyre.

(Please use back of sheet for further details - eg species lists, literature ref. etc)

Office use

**INVERTEBRATE SITE REGISTER
MASTER FORM**

Site number

70/42

Name(s)

WARDEN LAW QUARRY

County(s)

Tyne and Wear

Grid. Ref.

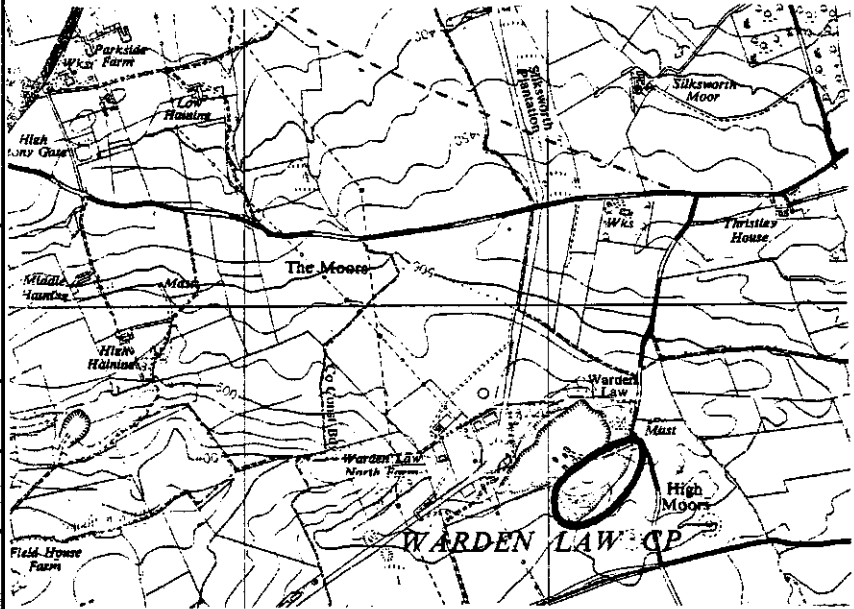
NZ3750

Grade

?

Status

Private owner



Site description - Habitat

Disused sandstone quarry with a number of ponds. These support rich aquatic and emergent vegetation. There are also areas of herb rich grassland on calcareous sand.

Invertebrate Interest - Coverage

Reasonable waterbeetle list and 4 dragonfly species have been reported from the ponds. An individual Durham Argus Butterfly seen in 1980 is thought to have been a wanderer from the nearby colony on Houghton Scarp.

Comments - Conservation

Red Data Book and Notable species recorded for WARDEN LAW QUARRY

Notable/Nb

<i>Ilybius subaeneus</i> Erichson	COL:Dytiscidae	1985	Eyre, M D
<i>Aricia artaxerxes</i> .	LEP:Lycaenidae	1981	Dunn, T C
1573, Northern Brown Argus			
Probably a wanderer from nearby Houghton Scarp			

Local

<i>Cyrtorhinus caricis</i>	HEM:Miridae	1983	Eyre, M D
<i>Dicyphus constrictus</i>	HEM:Miridae	1983	Eyre, M D
<i>Limotettix striola</i> (Fallen)	HEM:Cicadellidae	1983	Eyre, M D
<i>Haliphus obliquus</i> (F)	COL:Haliplidae	1985	Eyre, M D
<i>Laccophilus minutus</i> (L)	COL:Dytiscidae	1985	Eyre, M D
<i>Stictotarsus duodecimpustulatus</i>	COL:Dytiscidae	1985	Eyre, M D

8 species listed

Invertebrate Index = 80

NATURE CONSERVANCY COUNCIL

SITE NAME

Warden Law
Quarry

GRID REFERENCE

N 2 3 7 0 5 0 6

INVERTEBRATE

DATE OR PERIOD OF VISITS

MODERN COUNTY

Tyne / Wear

SITE

REGISTER

RECORDER

Tom Durr V. G.
S.D. and DAD

ALTITUDE M.

Site Status

Sketch Map (showing main areas of invertebrate interest)

National Nat. Res.

RSPB Reserve

County Trust Res.

SSSI

Local Authority

Common Land

Forestry Commission

Min of Defence

National Trust

Private Owner

Other, please state

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Site Description (habitats of interest)

Main Invertebrate Interest

Aricia atreplex *salmaia* - most northern site

General Comments (Site importance, conservation problems etc.)

(Please use back of sheet for further details - eg species lists, literature ref. etc)

Office use

**INVERTEBRATE SITE REGISTER
MASTER FORM**

Name(s)

WASHINGTON WILDFOWL PARK

County(s)

Tyne and Wear

Grid. Ref.

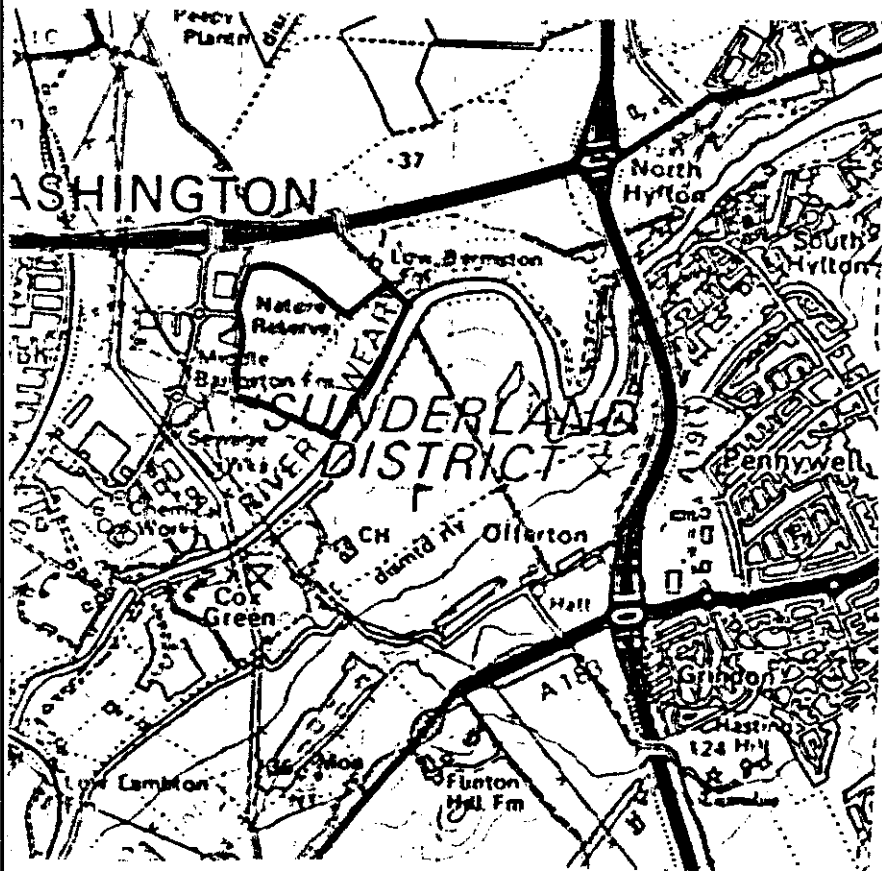
NZ3356

Grade

?

Status

Private owner



Site description - Habitat

A series of artificial ponds beside the River Wear with scrubby woodland on the slopes above dominated by Oak, Ash and Elm with some Sycamore. Ground layer in the woods is locally rich, especially in flushed areas and the ponds have diverse aquatic and emergent vegetation.

Invertebrate interest - Coverage

Only the Lepidoptera have been examined in anything more than a very cursory way. The moth list includes some uncommon species.

Comments - Conservation

Owned by the Wildfowl Trust and the ponds and wood are managed as a wild area to attract birds.

Red Data Book and Notable species recorded for WASHINGTON WILDFOWL PARK

Notable/Nb

<i>Semidalis aleyrodiformis</i>	NEU:Coniopterigida	1980	Eyre, M D
<i>Epiblema turbidana</i>	LEP:Tortricidae	1977	Sheppard, Dr D A

Nr

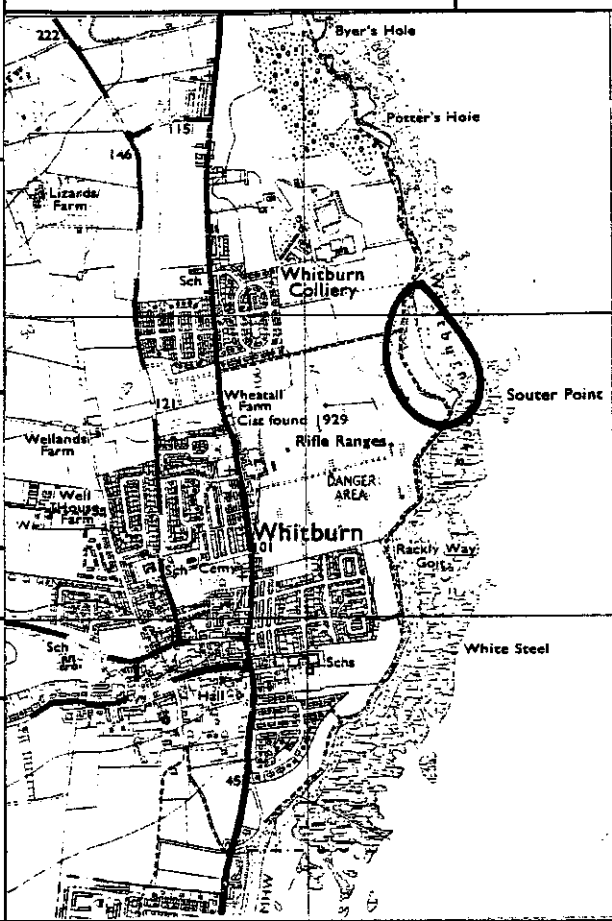
<i>Amara convexiuscula</i> (Marshall)	COL:Carabidae	1980	Eyre, M D
<i>Nola confusalis</i>	LEP:Nolidae	1985	Wardens
2078, Least Black Arches			

Local

<i>Bradycellus verbasci</i> (Duftsch.)	COL:Carabidae	1980	Eyre, M D
<i>Callistege mi</i>	LEP:Noctuidae	1985	Wardens
2462, Mother Shipton			
<i>Erynnis tages</i>	LEP:Hesperiidae	1985	Wardens
1532, Dingy Skipper			
<i>Lomographa temerata</i>	LEP:Geometridae	1985	Wardens
1958, Clouded Silver			
<i>Pseudoterpna pruinata</i>	LEP:Geometridae	1985	Wardens
1665, Grass Emerald			

9 species listed
Invertebrate Index = 120

**INVERTEBRATE SITE REGISTER
MASTER FORM**



Name(s)
WHITBURN BEACH

County(s)
Tyne and Wear

Grid. Ref.
NZ414628

Grade
?

Status
<none>

Site description - Habitat

Beach enclosed by low cliffs of boulder clay and magnesian limestone. Coarse sand, shingle and small boulders with an area of rough pasture behind.

Invertebrate Interest - Coverage

Wrack fauna was studied by Egglshaw in the 1950s and spiders by Walker in 1969, both based at Durham University.

Comments - Conservation

Heavily used and much trampled. Prone to pollution by oil from the shipyards, colliery spoil and slag.

Red Data Book and Notable species recorded for WHITBURN BEACH

Notable/Nb

<i>Agabus unguicularis</i>	COL:Dytiscidae	1956	Egglishaw(1965)
This seems a very unlikely record.			
<i>Amara spreta</i>	COL:Carabidae	1956	Egglishaw(1965)
<i>Aricia artaxerxes</i>	LEP:Lycaenidae	-1902	Sheppard, Dr D A
1573, Northern Brown Argus			
Present in 1857 according to Wailes but extinct by 1902			
<i>Chersodromia hirta</i>	DIP:Empididae	1955-1958	Egglishaw(1965)
<i>Coelopa pilipes</i>	DIP:Coelopidae	1955-1958	Egglishaw(1965)
<i>Leptocera brachystoma</i>	DIP:Sphaeroceridae	1956	Egglishaw(1965)
<i>Orygma luctuosum</i>	DIP:Sepsidae	1955-1958	Egglishaw(1965)
<i>Ceratinopsis stativa</i>	ARA:Linyphiidae	1969	Walker(1970)
<i>Porrhomma microphthalmum</i>	ARA:Linyphiidae	1969	Walker(1970)

Nr

<i>Brosicus cephalotes</i>	COL:Carabidae	1957	Egglishaw(1965)
<i>Leptocera zosteriae</i>	DIP:Sphaeroceridae	1955-1958	Egglishaw(1965)
<i>Tipula czizeki</i>	DIP:Tipulidae	1956	Egglishaw(1965)

Local

<i>Amara apricaria</i> (Paykull)	COL:Carabidae	1956-1957	Egglishaw(1965)
<i>Bembidion obtusum</i> Serville	COL:Carabidae	1957	Egglishaw(1965)
<i>Helcomyza ustulata</i> Curtis	DIP:Helcomyzidae	1955-1958	Egglishaw(1965)
<i>Heterochila buccata</i> (Fallen)	DIP:Helcomyzidae	1955-1958	Egglishaw(1965)
<i>Arctosa perita</i> (Latreille)	ARA:Lycosidae	1969	Walker(1970)
<i>Cicurina cicur</i>	ARA:Agelenidae	1969	Walker(1970)
<i>Clubiona neglecta</i> Cambridge O.P.	ARA:Clubionidae	1969	Walker(1970)
<i>Cnephalocotes obscurus</i> (Blackwal	ARA:Linyphiidae	1969	Walker(1970)
<i>Dysdera crocata</i> Koch C.L.	ARA:Dysderidae	1969	Walker(1970)
<i>Lepthyphantes angulatus</i> (Cambrid	ARA:Linyphiidae	1969	Walker(1970)
<i>Typhochrestus digitatus</i> (Cambrid	ARA:Linyphiidae	1969	Walker(1970)

23 species listed

Invertebrate Index = 380

ord. 1988