

# Rugby and District Nature Conservation Site Report

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Copies to : Rugby Borough Council, WARNACT, Warks Biological Records Centre

Name of site : Newbold Quarry

Map reference: SP 494770

Owner/tenant : Rugby Borough Council/British Waterways Board WARNACT ref. : 54010

Status : Grade "A" Site of Natural History Importance

Use of site: Angling. Public open space. Formerly feeder reservoir for Oxford canal

Access : De facto public access.

Approx size:

## Description of site :

Water-filled quarry and spoilheaps from former cement workings. Water very clear and of high quality. Very deep in parts with shallow bays. Extensive aquatic plant growth, increased rapidly in 1980's. Spoilheaps partly grassland with good variety of calcicole plants. Rapid spread of scrub into the grassland areas. Some areas completely covered with Hawthorn or Elder scrub. Some semi-mature woodland, mainly Ash. One area of acid ash/clinker substrate with bracken. One corner of pool has marshy area with Willows. Flat north bank with Sallow.

## Features which make site important for conservation :

The clean hard water has an interesting population of aquatic invertebrates and is also an important breeding, wintering and roosting site for birds. The calcareous soil of the spoilbanks supports an excellent range of herbaceous plants typical of the soil type, largely confined in Warks. In 1957 in "The Flora of the Rugby District" D E Allen said that the quarry "probably possesses the richest flora of any area of comparable size in the district." This situation still applies today.

## Unusual and important animals and plants present :

In the water : many Crayfish (otherwise uncommon locally) present. Other interesting crustacea also occur. Breeding Great Crested Grebes, Coot, Moorhen, and Mallard. Tufted Duck, Pochard, Shoveller regular visitors. 22 species of butterfly have been recorded and 44 species of spider. 34 species of Hoverfly have also been found, of which 2 are regarded as nationally notable species and 2 as uncommon in Warks. A nationally notable moth has also been recorded. Many other species will undoubtedly be found. Among the notable flowers are Bee and Common Spotted Orchids, Milkwort, Wild Strawberry, Centaury, Wild Mignonette, Wild Parsnip, Wild Carrot, Water Mint, Twayblade, Hoary Plantain, and Quaking Grass. A wide range of commoner species also occur.

## Any threats to site :

Following a fatal accident in autumn 1990, proposals have been made to make the quarry safer by a variety of means such as filling the pool in completely, or reducing its depth, and lowering the spoilheaps. Any of these courses would have extremely detrimental effects on the wildlife value of the site.

## Management work needed :

The main value of the spoilheaps lies in the grassland flora and associated insects. The Hawthorn scrub is rapidly taking over and this grassland is disappearing. The best parts of the grassland need to be identified and clearance of scrub undertaken.

## Comments :

This site is of major conservation importance but is under extreme threat. Even if the threats to change the quarry do not materialise, the present state of neglect means that the value of the site will deteriorate rapidly by natural means unless action is taken. This will involve: a) undertaking a detailed ecological survey of the site b) drawing up a management plan from the survey c) implementing the plan



# Rugby and District Conservation Site Report - Plants

Site : **NEWBOLD QUARRY**

Recorder :

Brief description of site :

Map Reference :

Date/period :

## Herbaceous Flowers

..... Agrimony	..... Columbine	..... Goosegrass	✓ Milkwort, Common
✓ Alkanet <i>Green 14.5.91</i>	..... Comfrey	..... Ground Elder	..... Mint, Corn
..... All-seed	..... Corn Marigold	..... Ground Ivy	..... Mint, Water
..... Anemone, Wood	..... Corn Salad	✓ Groundsel	..... Mouse-ear, Common
..... Angelica, Wild	..... Cowslip	..... Groundsel, Stinking	..... Mouse-ear, Dark Green
..... Archangel, Yellow	..... Cranesbill, Cut-leaved	..... Harebell	..... Mouse-ear, Sticky
..... Balsam, Orange	..... Cranesbill, Dove's Foot	..... Hawk's Beard, Beaked	✓ Mugwort
..... Basil, Wild	..... Cranesbill, Long-stalked	..... Hawk's Beard, Smooth	✓ Mullein
..... Bedstraw, Fen	..... Cranesbill, Meadow	..... Hawkbit, Autumnal	..... Mustard, Black
..... Bedstraw, Great Hedge	..... Cranesbill, Mountain	..... Hawkbit, Hairy	..... Mustard, Wild
✓ Bedstraw, Lady's	..... Cranesbill, Shining	..... Hawkbit, Rough	✓ Nettle
..... Bedstraw, Marsh	..... Creeping Jenny	..... Hawkweed, <i>(Hypochaeris)</i>	..... Nettle, Annual
..... Betony	..... Cress, Hoary	..... Hawkweed, <i>(Sibbaldia)</i>	..... Nightshade, Enchanter's
..... Bindweed	..... Cress, Thale	✓ Hawkweed, Mouse-ear	✓ Nipplewort
..... Bindweed, Black	..... Crowfoot, Celery-leaved	✓ Hedge Mustard	✓ Old Man's Beard <i>(WILD CLEMATIS)</i>
..... Bindweed, Greater	..... Crowfoot, Corn	..... Hedge-parsley, Knotted	..... Orache
✓ Birdsfoot-trefoil	..... Cudweed, Marsh <i>Daisy Daisy</i>	..... Hedge-parsley, Upright	..... Orache, Spear-leaved
..... Birdsfoot-trefoil, Large	✓ Dandelion	..... Heliotrope, Winter	✓ Orchid, Bee
..... Bistort, Amphibious	..... Dandelion, Lesser	..... Helleborine, Broad	✓ Orchid, Common Spotted <i>10-7-91</i>
..... Bittercress, Hairy	..... Dead-nettle, Cut-leaved	✓ Hemlock <i>11-6-92</i>	..... Orchid, Early Purple
..... Bittercress, Large	..... Dead-nettle, Red	..... Hemp-nettle, Common	..... Orchid, Greater Butterfly
..... Bittercress, Wavy	..... Dead-nettle, Spotted	..... Henbit	..... Orchid, Green Winged
..... Bluebell	..... Dead-nettle, White	✓ Herb Bennet <i>11-6-92</i>	..... Orchid, Southern Marsh
..... Brooklime	..... Dock, Broad-leaved	✓ Hogweed <i>11-6-92</i>	..... Ox-tongue, Bristly
..... Bugle	..... Dock, Clustered	..... Horehound, Black	..... Pansy, Field
..... Bur-Marigold, Nodding	..... Dock, Curled	..... Horseradish	..... Pansy, Wild
..... Bur-marigold, Trifid	..... Dock, Fiddle	..... Knapweed, Greater	..... Parsley Piert
..... Burdock, Great	..... Dock, Red-veined	✓ Knapweed, Lesser	..... Parsley Piert, Slender
..... Burdock, Lesser	..... Dock, Water	..... Knawel, Annual	..... Parsley, Fool's
..... Burnet, Great	..... Dog's mercury	..... Knotgrass	..... Parsley, Stone
..... Burnet, Salad	..... Dropwort	..... Knotgrass, Japanese	✓ Parsnip, Wild
..... Butterbur	..... Dropwort, Water	..... Knotgrass, Small-leaved	..... Pearlwort, Annual
..... Buttercup, Bulbous	..... Eyebright, Wind	..... Lady's Mantle	..... Pearlwort, Knotted
..... Buttercup, Creeping	..... Fat Hen	..... Lady's Smock	..... Pearlwort, Procumbent
✓ Buttercup, Meadow	..... Feverfew	..... Lettuce, Prickly	..... Pearly Everlasting
..... Campion, Bladder	..... Figwort	..... Lettuce, Wall	..... Pennycress, Field
..... Campion, Red	..... Figwort, Water	..... Loosestrife, Purple	..... Pepperwort, Field
..... Campion, White	✓ Flax, Purging	..... Loosestrife, Yellow	..... Pepperwort, Narrow-leaved
..... Carrot, Wild	..... Fleabane	..... Lucerne	..... Periwinkle, Lesser
..... Cat's Ear	✓ Fleabane, Blue <i>PLENTIFUL 4-9-91</i>	..... Lungwort	..... Persicaria, Pale
..... Celandine, Greater	..... Fluellen, Round-leaved	..... Madder, Field	..... Pignut
..... Celandine, Lesser	..... Fluellen, Sharp-leaved	..... Mallow, Common	..... Pineapple-weed
✓ Centaury, Common <i>10-7-91</i>	..... Forget-me-not, Early	..... Mallow, Dwarf	✓ Plantain, Greater
..... Chamomile, Corn	..... Forget-me-not, Field	..... Mallow, Musk	✓ Plantain, Hoary - <i>34+</i>
..... Chamomile, Wild	..... Forget-me-not, Tufted	..... Marsh Marigold	✓ Plantain, Ribwort
..... Charlock	..... Forget-me-not, Water	..... Mayweed, Scentless	..... Policeman's Helmet
..... Chickweed, Common	..... Forget-me-not, Wood	..... Mayweed, Stinking	..... Poppy, Common
..... Chickweed, Great <i>mouse ears</i>	..... Forget-me-not, Yell. & Blue	..... Meadow-rue, Common	✓ Poppy, Long-headed
..... Chickweed, Water	..... Foxglove	..... Meadowsweet	✓ Poppy, Prickly
..... Chicory	..... Fumitory, Common	..... Medick, Black	✓ Primrose <i>Primula?</i>
..... Cinquefoil, Creeping	..... Garlic Mustard	✓ Melilot, Common	..... Ragged Robin
..... Clover, Alsike	..... Geranium, Small-flowered	..... Melilot, Tall	..... Ragwort
..... Clover, Red	..... Gipsywort	..... Melilot, White	..... Ragwort, Hoary
..... Clover, Strawberry	..... Goat's Beard	..... Mignonette, Wild	..... Ragwort, Oxford
✓ Clover, White	..... Goldilocks	..... Milk-thistle	..... Rape
..... Clover, Zigzag	..... Good King Henry	..... Milk-thistle, Field	..... Rattle, Red
✓ Coltsfoot	..... Goosefoot, Red	..... Milk-thistle, Spiny	..... Rattle, Yellow
	✓ GARLIC KILB?		..... Redshank
			✓ Radish - wild

PLENTIFUL  
4-9-91



Restharrow	Thistle, Marsh	Brome, Barren	Ferns, Horsetails
Restharrow, Spiny	Thistle, Musk	Brome, False	Adder's-Tongue, Common
Rockcress, Tall	✓ Thistle, Spear	Brome, Hairy	✓ Bracken
Rocket, Dyer's	Thistle, Stemless	Brome, Lesser Soft	Buckler-fern, Broad
Rocket, Eastern	Thistle, Welled	Brome, Slender	Hart's-Tongue
Rocket, Tall	Thistle, Woolly	Brome, Soft	Horsetail, Field
Sage, Wood	Thyme, Wild	Bulrush	Horsetail, Great
Sainfoin	Toadflax, Common	Bur-reed	Horsetail, Marsh
Sandwort, Three-veined	Toadflax, Ivy-leaved	Bur-reed, Unbranched	Horsetail, Water
Sandwort, Thyme-leaved	Toadflax, Small	Canary-Grass	Lady Fern
Saxifrage, Burnet	Tormentil	Canary-Grass, Reed	Male fern
Saxifrage, Meadow	Treacle-mustard	Cat's-Tail, Smaller	Polypody, Common
Saxifrage, Pepper	✓ Trefoil, Hop	Club-rush, Wood	Rusty-Back
Scabious, Field	Trefoil, Lesser Yellow	✓ Cock's-Foot	Spleenwort, Black
Scarlet Pimpernel	Trefoil, Slender	Couch, Bearded	Spleenwort, Maidenhair
✓ Self-heal	Trefoil, Soft	Couch, Common	Wall Rue
Shepherd's Needle	Turnip, Wild	✓ Dog's Tail, Crested	Trees, shrubs, climbers
Shepherd's Purse	✓ Twayblade (8) 11-6-92	Fescue, Giant	Alder ✓ ASH
Silverweed	Valerian	Fescue, Meadow	Apple, Crab
Skull-cap, Common	Valerian, Marsh	Fescue, Rat's-Tail	Aspen
Sneezewort	Vetch, Bitter	Fescue, Red	Beech
Soapwort	Vetch, Bush	Fescue, Sheep's	Birch, Downy
Sorrel, Common	✓ Vetch, Common	Fescue, Squirrel-Tail	Birch, Silver
Sorrel, Sheeps	Vetch, Kidney	Fescue, Tall	Blackthorn
Spearmint	✓ Vetch, Tufted	Foxtail, Marsh	Box
Spearwort, Lesser	Vetchling, Grass	Foxtail, Meadow	Broom
Speedwell, Common	✓ Vetchling, Meadow	Hair-Grass, Silver	Buckthorn ✓ COTON EASTER
Speedwell, Field	Violet, Common	Hair-Grass, Tufted	Cherry, Wild
Speedwell, Germander	Violet, Hairy	Meadow Grass, Annual	Dogwood
Speedwell, Grey	Violet, Sweet	Meadow Grass, Flattened	Elm, English
Speedwell, Ivy-leaved	Wall Rocket	Meadow Grass, Rough	Elm, Smooth
Speedwell, Large Field	Water Avena	Meadow Grass, Smooth	Elm, Wych
Speedwell, Pink Water	Water Cress	Meadow Grass, Wood	Gorse
Speedwell, Slender	Water-parsnip, Narrow-leaved	Millet, Wood	✓ Hawthorn
Speedwell, Thyme-leaved	Water-pepper	Oat, Wild	Hawthorn, Midland
Speedwell, Wall	Watercress	Oat-Grass, Downy	Hazel
Speedwell, Water	Watercress, Fool's	Oat-Grass, False	Holly
Speedwell, Wood	Whitlow Grass	Oat-Grass, Yellow	Hornbeam
Spikenard, Ploughman's	Willowherb, American	Poa, Hard	Horse Chestnut
Spurge, Dwarf	Willowherb, Broad-leaved	✓ Quaking Grass, Common	✓ Ivy
Spurge, Petty	Willowherb, Dull-leaved	Reed	Larch
Spurge, Sun	Willowherb, Great Hairy	Reed-mace	Maple, Field
Spurrey, Corn	Willowherb, Lesser hairy	Rye Grass, Perennial	Maple, Norway
Spurrey, Sand	✓ Willowherb, Rose-bay	Sedge, Brown	Oak, Pedunculate
St John's Wort, Common	Willowherb, Small-flowered	Sedge, Carnation	Oak, Sessile
St John's Wort, Hairy	Willowherb, Square-stemmed	Sedge, Common	Oak, Turkey
St John's Wort, Imperforate	Wintercress, Common	Sedge, Cyperus	Osier, Common
St John's Wort, Slender	Wintercress, Med-flowered	Sedge, False Fox	Pear
St John's Wort, Sq-stemmed	Wood-sorrel	Sedge, Great Pond	Plum
St John's Wort, Trailing	Woodruff, Sweet	Sedge, Hammer	Poplar, Black Italian
Stichwort, Lesser	Wormwood	Sedge, Lesser Pond	Poplar, Grey
Stichwort, Bog	Woundwort, Field	Sedge, Panicked	Poplar, Lombardy
Stichwort, Greater	✓ Woundwort, Hedge	Sedge, Spiked	Poplar, White
Stonecrop	✓ Woundwort, Marsh 15-7-91	Sedge, Spring	Rose, Dog
Storksbill, Common	✓ Yarrow	Sedge, Tufted	Rose, Field
Strawberry, Barren	Yellow Cress, Great	Sedge, Wood	Rowan
Strawberry, Wild	Yellow Cress, Marsh	Small-Reed, Wood	Sallow, Common
Swinecress	Yellow Flag	Soft-Grass, Creeping	Scot's Pine
Swinecress, Lesser	Grasses, Sedges etc	Spike-rush, Common	✓ Sycamore
Tansy	Barley, Meadow	Sweet-Grass, Floating	Willow, Almond
✓ Tare, Hairy	Barley, Wall	Sweet-Grass, Plicate	Willow, Crack
Tare, Smooth	Bent-Grass, Black	Sweet-Grass, Reed	Willow, Eared
✓ Teasel	Bent-Grass, Common	Sweet-Grass, Small	Willow, Goat
Thistle, Carline	Bent-Grass, Creeping	Timothy	Willow, Purple
✓ Thistle, Creeping	✓ WELD (DYERS)	Vernal Grass, Sweet	Willow, White
		✓ Yorkshire Fog	Yew



Description of site: \_\_\_\_\_  
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BIRDS

Summer and resident

Little Grebe \_\_\_\_\_  
 Great Crested Grebe ☒  
 Grey Heron ☒  
 Mute Swan ☒  
 Mallard \_\_\_\_\_  
 Shoveler \_\_\_\_\_  
 Pochard \_\_\_\_\_  
 Tufted Duck ☒  
 Sparrowhawk \_\_\_\_\_  
 Kestrel \_\_\_\_\_  
 Red-legged Partridge \_\_\_\_\_  
 Grey Partridge \_\_\_\_\_  
 Moorhen \_\_\_\_\_  
 Coot ☒  
 Lapwing \_\_\_\_\_  
 Golden Plover \_\_\_\_\_  
 Common Snipe \_\_\_\_\_  
 Common Sandpiper \_\_\_\_\_  
 Black-headed Gull ☒  
 Stock Dove \_\_\_\_\_  
 Wood Pigeon ☒  
 Collared Dove \_\_\_\_\_  
 Turtle Dove \_\_\_\_\_  
 Cuckoo \_\_\_\_\_  
 Barn Owl \_\_\_\_\_  
 Tawny Owl \_\_\_\_\_  
 Little Owl \_\_\_\_\_  
 Swift \_\_\_\_\_  
 Kingfisher \_\_\_\_\_  
 Green Woodpecker \_\_\_\_\_  
 Great Spotted Woodp. \_\_\_\_\_  
 Lesser Spotted Woodp. \_\_\_\_\_  
 Skylark \_\_\_\_\_  
 Sand Martin \_\_\_\_\_  
 Swallow \_\_\_\_\_  
 House Martin \_\_\_\_\_  
 Tree Pipit \_\_\_\_\_  
 Meadow Pipit \_\_\_\_\_  
 Yellow Wagtail \_\_\_\_\_  
 Pied Wagtail \_\_\_\_\_  
 Grey Wagtail \_\_\_\_\_  
 Wren ☒  
 Dunnock ☒  
 Robin \_\_\_\_\_  
 Nightingale \_\_\_\_\_  
 Blackbird \_\_\_\_\_  
 Song Thrush \_\_\_\_\_

Mistle Thrush \_\_\_\_\_  
 Fieldfare \_\_\_\_\_  
 Redwing \_\_\_\_\_  
 Grasshopper Warbler \_\_\_\_\_  
 Sedge Warbler \_\_\_\_\_  
 Reed Warbler \_\_\_\_\_  
 Lesser Whitethroat \_\_\_\_\_  
 Whitethroat \_\_\_\_\_  
 Garden Warbler \_\_\_\_\_  
 Blackcap \_\_\_\_\_  
 Chiffchaff ☒  
 Willow Warbler ☒  
 Goldcrest \_\_\_\_\_  
 Spotted Flycatcher \_\_\_\_\_  
 Long-tailed Tit \_\_\_\_\_  
 Marsh Tit \_\_\_\_\_  
 Willow Tit \_\_\_\_\_  
 Coal Tit \_\_\_\_\_  
 Blue Tit \_\_\_\_\_  
 Great Tit \_\_\_\_\_  
 Nuthatch \_\_\_\_\_  
 Treecreeper \_\_\_\_\_  
 Jay \_\_\_\_\_  
 Magpie \_\_\_\_\_  
 Jackdaw \_\_\_\_\_  
 Rook \_\_\_\_\_  
 Carrion Crow \_\_\_\_\_  
 Starling \_\_\_\_\_  
 House Sparrow \_\_\_\_\_  
 Tree Sparrow \_\_\_\_\_  
 Brambling \_\_\_\_\_  
 Chaffinch \_\_\_\_\_  
 Greenfinch \_\_\_\_\_  
 Goldfinch \_\_\_\_\_  
 Linnet \_\_\_\_\_  
 Redpoll \_\_\_\_\_  
 Siskin \_\_\_\_\_  
 Bullfinch \_\_\_\_\_  
 Yellowhammer \_\_\_\_\_  
 Reed Bunting \_\_\_\_\_  
 Corn Bunting \_\_\_\_\_  
 Other vertebrates \_\_\_\_\_  
 Common Frog \_\_\_\_\_  
 Common toad ☒  
 Smooth newt \_\_\_\_\_  
 Great Crested Newt \_\_\_\_\_  
 Grass Snake ☒  
 Rabbit \_\_\_\_\_  
 Brown Hare \_\_\_\_\_

Grey Squirrel ☒  
 Water vole \_\_\_\_\_  
 Fox \_\_\_\_\_  
 Muntjac \_\_\_\_\_  
 Butterflies \_\_\_\_\_  
 Small Skipper \_\_\_\_\_  
 Large Skipper \_\_\_\_\_  
 Brimstone ☒  
 Large White ☒ 14.5.92  
 Small White ☒ 4.9.91  
 Green-veined White ☒  
 Orange-tip ☒ 14.5.92  
 Green Hairstreak \_\_\_\_\_  
 Small Copper ☒ 4.9.91  
 Common Blue ☒ 4.9.91  
 Holly Blue ☒  
 Red Admiral ☒ 4.9.91  
 Painted Lady \_\_\_\_\_  
 Small Tortoiseshell ☒ 4.9.91  
 Peacock ☒ 9.6.92  
 Comma ☒  
 Speckled Wood ☒  
 Wall Brown ☒  
 Gatekeeper (Hedge Br.) \_\_\_\_\_  
 Meadow Brown ☒ 11.6.92  
 Ringlet \_\_\_\_\_  
 Small Heath ☒ 4.9.91  
 Dragonflies \_\_\_\_\_  
 Southern Hawker \_\_\_\_\_  
 Brown Hawker \_\_\_\_\_  
 Broad-bodied Chaser \_\_\_\_\_  
 Four-spotted Chaser \_\_\_\_\_  
 Common Darter \_\_\_\_\_  
 Banded Demoiselle \_\_\_\_\_  
 Emerald Damselfly \_\_\_\_\_  
 Large Red Damselfly \_\_\_\_\_  
 Blue-tailed Damselfly \_\_\_\_\_  
 Common Blue Damselfly \_\_\_\_\_  
 Azure Damselfly \_\_\_\_\_  
 Other species \_\_\_\_\_  
CRAYFISH - FRESHWATER ☒  
TENCH ☒  
BREAM ☒  
CARP ☒  
PIKE ☒  
ROACH ☒  
MUNTJAC DEER ☒