

ENVIRONMENT AGENCY

DAVE GILLET

**FLOOD DEFENCE
OPERATIONS TEAM
LEADER**

FLOOD DEFENCE OPERATIONS AIM

**TO REDUCE FLOOD RISK BY
MAINTAINING / OPERATING
FLOOD DEFENCES AND
PROVIDING AN EMERGENCY
RESPONSE**

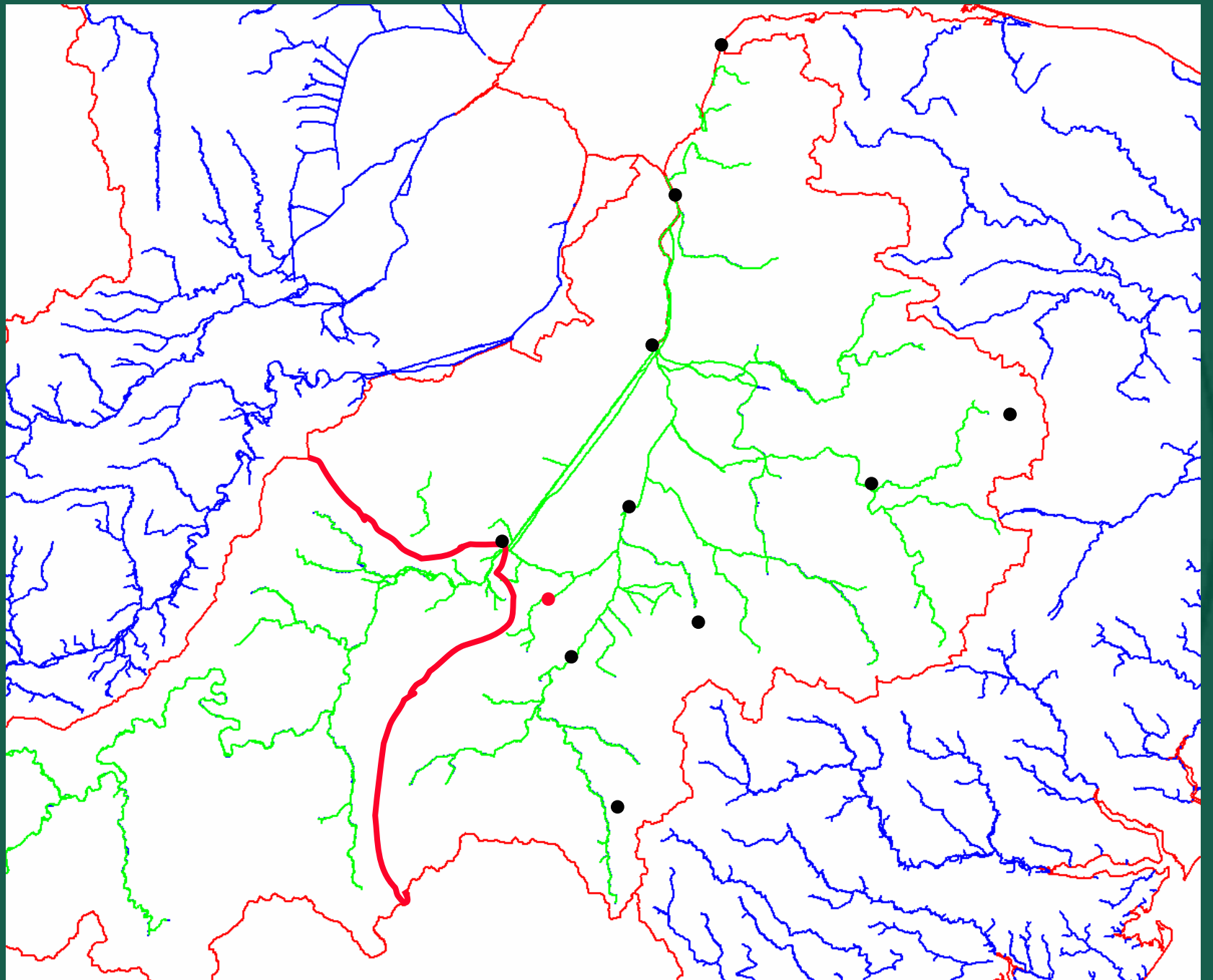
FD OPERATIONS KEY
OBJECTIVES ARE

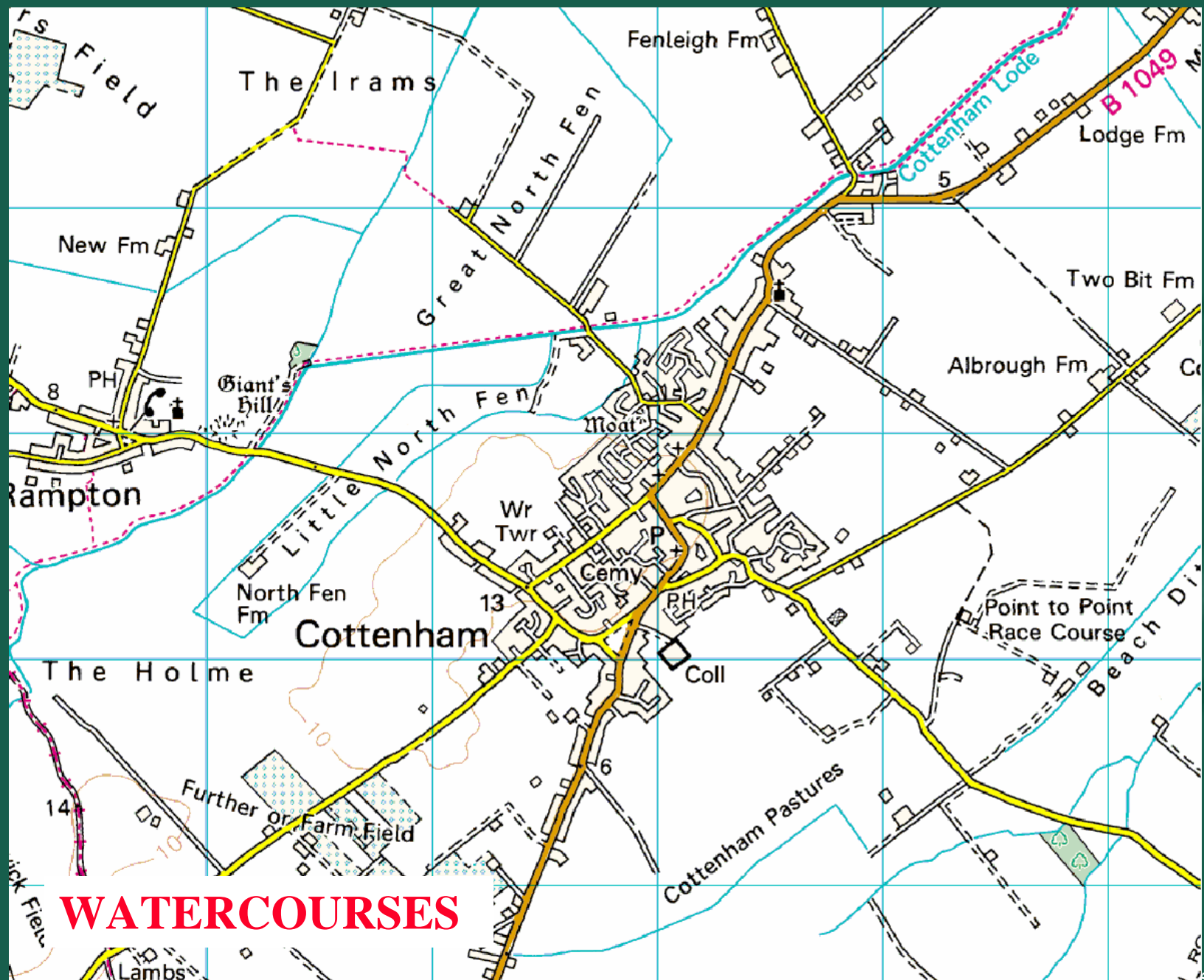
**PROMPT AND EFFECTIVE
OPERATION OF THE FLOOD
DEFENCE SYSTEM**

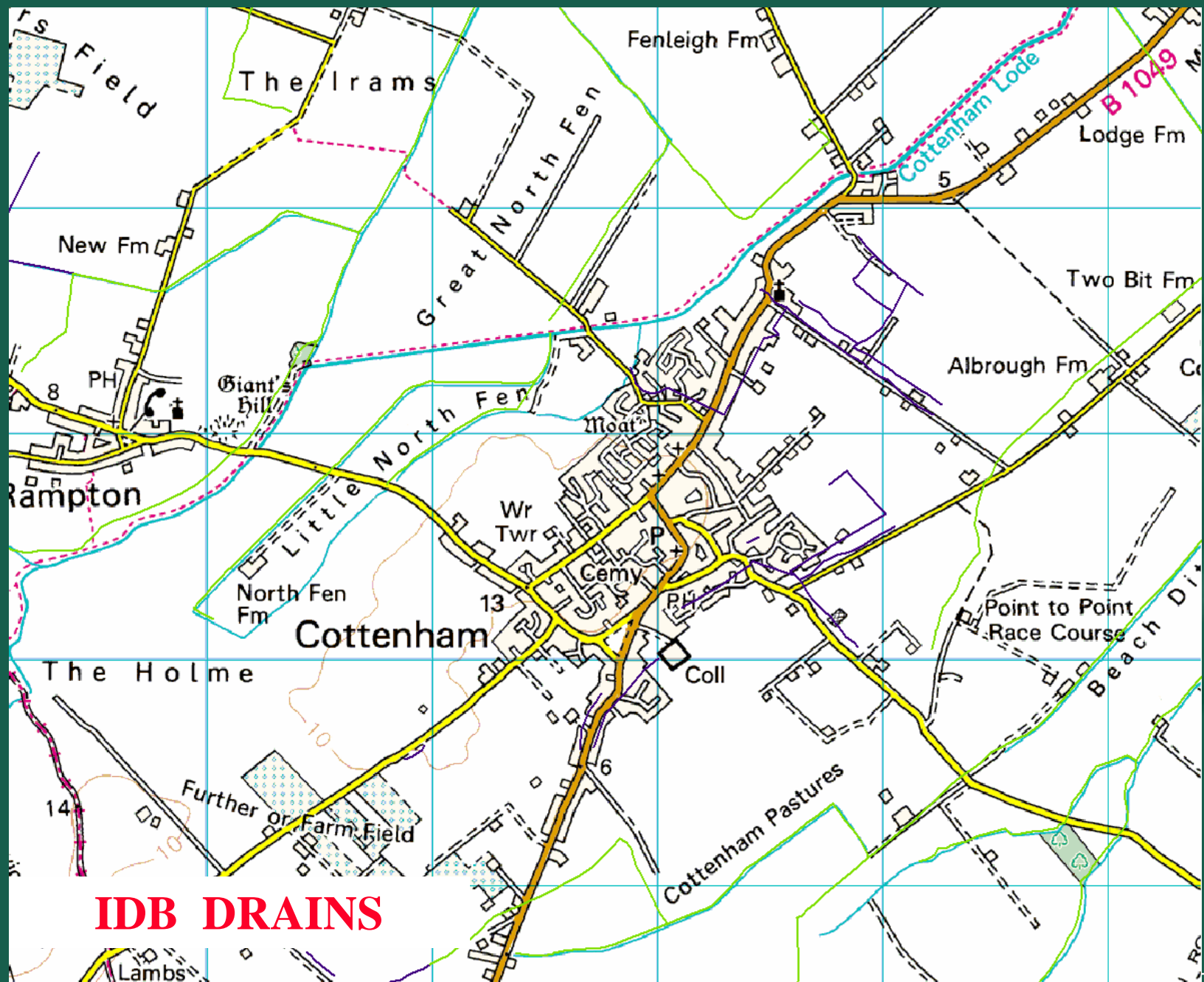
**MAINTENANCE OF FLOOD
DEFENCES**

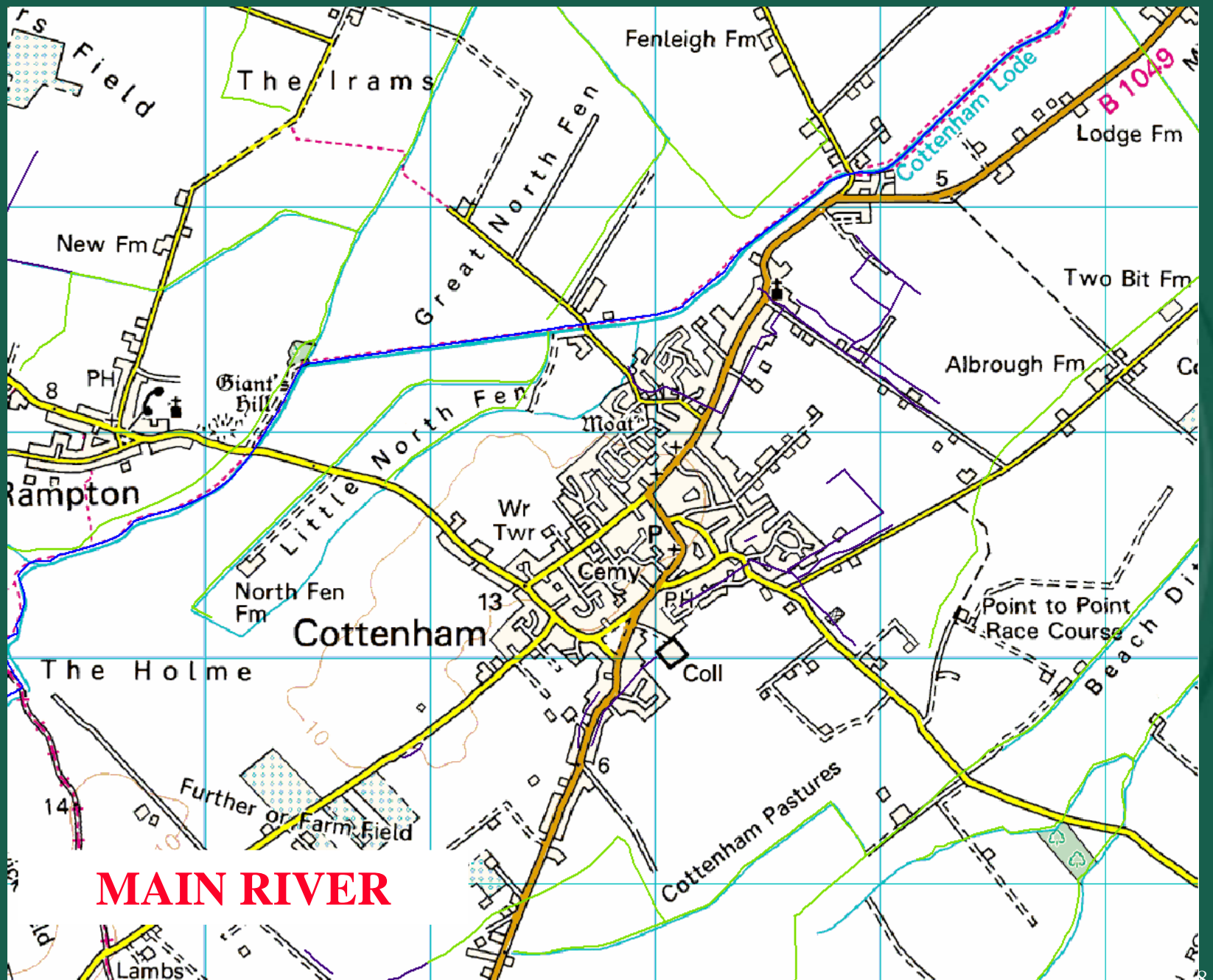
INSPECTION OF FLOOD DEFENCES

EMERGENCY RESPONSE









MAIN RIVER

ANNUAL ROUTINE **MAINTENANCE**

Grass Cutting of Embankments

In Channel Weed Cutting

Channel Desilting (where identified)

Vermin Control

Obstruction / Debris Clearance

Bush and Tree Clearance

Structure Maintenance and Repair

ANNUAL ROUTINE MAINTENANCE

Many things have impacted on our ability to undertake maintenance compared with say 20 years ago

Three significant ones are: -

Resources (both manpower and financial)

Health & Safety

Environmental Constraints

NON ROUTINE MAINTENANCE

Repairs to Embankments

Erosion Protection

IDENTIFICATION OF WORKS

Routine annual inspections (twice per year on high risk defences/assets).

Feed back from our operatives undertaking maintenance works.

Reports / feed back from the general public.

PLANNING OF WORK

All works need to be acceptable in terms of the following: -

Technically

Financially

Environmentally

ENVIRONMENTALLY ACCEPTABLE

Crow Act / Habs Regs Approvals

Timing of works

Environmental Options

Waste Disposal

Existing Species (water voles, bats,
otters, etc)

STANDARD OF PROTECTION FOR COTTENHAM

Cottenham and the surrounding area is protected by Cottenham Lode which is an embanked river system.

The design standard of protection for the Lode is a 1 in 100 return period.

CURRENT FLOOD RISK

Cottenham is not currently on our list of priority areas in terms of flood risk.

EMERGENCY **RESPONSE**

We have a 24hr 7 day Regional Control Centre

Almost all of our river systems and river control structures are on telemetry.

We operate a 24hr 7day operational stand by duty roster.

We have emergency procedures in place for both fluvial and tidal events

OCTOBER 2001 FLOOD EVENT



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**Examples of other works
undertaken by us.**





As far as Cottenham Lode is concerned, my team's task is to maintain the watercourse and embankments so they perform to its design standard.

i.e. under flood flow conditions, I want to see this: -



NOT THIS!



WHICH MIGHT LEAD TO THIS!! >>

