



# JAPANESE KNOTWEED TO BE IGNORED

**JAPANESE KNOTWEED LTD**

NATIONAL SPECIALIST CONTROL SERVICES

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MANAGEMENT PLAN | SURVEY | TREATMENT | REMOVAL | GUARANTEE | INSURANCE

# JAPANESE KNOTWEED TO BE IGNORED

Japanese Knotweed Ltd (JKL) has established itself as one of the industry leading companies in the remediation of Japanese knotweed. Providing Surveys and Knotweed Management Plans, including services for chemical treatment programmes and excavation methods. All provided with the option of Insurance Backed Guarantees.

JKL is a private limited company, founded in 2010. We work throughout England, Wales and Scotland via three offices, for construction companies, developers, facilities management, housing associations, local authorities, property maintenance and private property owners. Japanese Knotweed Ltd is a safety-first contractor, holding a range of safety SSIP and industry related accreditations. In 2021 our staff delivered:

- **Over 7,000 herbicide visits**
- **150 excavation projects**
- **For over 9,000 commercial clients and private individuals**
- **On all sizes of projects from £500 to £1.5M**
- **Our annual turnover for 2021 was £4M**

Our specialist services control or eradicate Japanese knotweed. Thousands of homeowners and commercial clients across the UK turn to us as their go-to experts in the field of proven invasive weed management.

**SURVEYS** A site survey can enable us to recommend the right service option for you. As an accredited contractor, we have expert CSJK qualified surveyors who will be able to identify and record visible signs of target invasive weeds, or species.

**TREATMENT** We provide a range of in-situ treatment options. Our recommendations will be influenced by careful consideration to the local environment, the type of infestation, and any site requirements, which will be outlined to you in a proposed management plan.

**REMOVAL** Clearance or excavation enables change of land use plans or immediate improved amenity use of impacted ground. Waste can be removed from site or sustainably managed on site. We ensure complete removal to design and always leave a clean site on completion.



**Weed waste from invasive species, such as Japanese knotweed is classed as “controlled waste” and can only be removed by licensed organisations such as Japanese Knotweed Ltd.**

## Why choose Japanese Knotweed Ltd?

### ✓ TRUSTED

Our carefully planned treatment services effectively and efficiently control Japanese knotweed and other invasive weeds on property or land, whether you're investing in land for development purposes, or have knotweed on a developed site. Our Knotweed Management Plan is essential when buying or selling.

### ✓ COMPETENT

Our teams possess extensive knowledge of Japanese knotweed and other invasive weeds growth, propagation and spread, meaning we will professionally manage any infestation for you.

### ✓ ACCREDITED

Our Property Care Association (PCA) accreditation proves our ability to professionally control Japanese knotweed meaning we can provide you with an Insurance Backed Guarantee. This gives you the confidence to choose Japanese Knotweed Ltd as your knotweed specialist.

### ✓ EXPERIENCED

Japanese Knotweed Ltd has been in the industry for more than 12 years. Our staff have over 350 years' combined experience. All our surveyors are CSJK\* qualified.

CSJK\* Certificated Surveyor in Japanese Knotweed (PCA qualification).

### ✓ RESPECTED

We provide webinars, presentations and personalised training on the subject of Japanese knotweed and other invasive weeds for various organisations and events.

### ✓ COST EFFECTIVE

We work with you to devise the most appropriate and efficient remediation and control solution - long term if required. Our treatment programmes are competitively priced assuring you value for money and peace of mind.

### ✓ RESPONSIVE

With surveyors and technicians located up and down the UK we can offer a survey appointment to suit your schedule.

### ✓ SAFETY DRIVEN

We hold all major H&S accreditations, so we can implement safe-working for you, your staff and our teams when on your property or land at all times.





# JAPANESE KNOTWEED TO BE IGNORED

## What is Japanese knotweed?

Scientific Name: *Reynoutria japonica*

Maximum Stem height: 3-4 m

**VIABILITY** Japanese knotweed is an invasive and resilient weed. Even after herbicide treatment has arrested the aerial growth, the rhizomes (roots) can remain in a viable state and may do so for up to twenty years. It can re-emerge and re-grow of its own accord at any time and especially if the contaminated ground is disturbed.

**ISSUES** If knotweed is left to grow untreated for a number of years it can spread, impeding amenity land use, increasing change of land use costs, and in some cases causing material damage to hard standing and structures.

**GROWTH** Japanese knotweed does not produce viable seeds in the UK as we only have the female version. The rhizomes are the most fertile part of the plant and knotweed spread is by human disturbance and propagation of rhizome material. The rhizomes can typically spread as far as 3 metres laterally and up to 2-3m deep. Fragments of rhizome as small as 0.5g, the size of a little fingernail, can give rise to a new plant.

## THROUGH THE SEASONS

**SPRING** New growth emerges as rapidly growing soft red/purple shoots reminiscent of asparagus spears. The stems are hollow and bamboo-like and can grow up to 10cm per day. This new growth forms dense thickets, known as stands. The leaves grow on alternate sides of the stem producing a zig-zag pattern in the stem. Japanese knotweed canes grow to around 3 - 3.5m tall. It will often form as a semi-dense stand of upright stems, with lush green foliage in the form of shovel shaped leaves up to 200mm long.

**SUMMER** Flowers appear in summer as elongated clusters of small creamy-white flowers.

**AUTUMN & WINTER** The canes die off and turn brittle. The crown and rhizome remain dormant throughout the winter, with the stems remaining erect if left undisturbed and unaffected by inclement weather.

Free identification service 

Upload your photos online or email to: [ident@knotweed.co.uk](mailto:ident@knotweed.co.uk)

Correct identification of the plant will be emailed back within 12 working hours. If it's a positive identification, we will follow up to see if a survey and remedial works are required.



SPRING



SUMMER

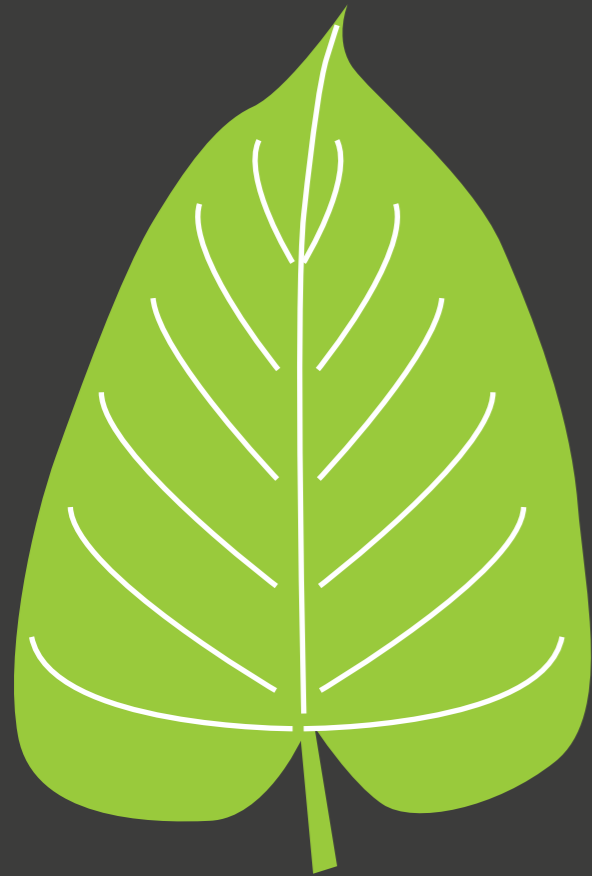


AUTUMN



WINTER

## Variations of Japanese knotweed



15 - 40cm

### GIANT KNOTWEED

**PLANT GROWTH:** Up to 4- 5m in height

**LEAF:** The leaf is broadly oblong-heart shaped at the base and feels quite delicate with a furry lower side.



Up to 23cm

### BOHEMIAN KNOTWEED

**PLANT GROWTH:** 2.5 to 4m in height

**LEAF:** Typically a heart shaped leaf with a slightly lobed base. Can have a textured surface and sometimes.



10 - 17cm

### JAPANESE KNOTWEED

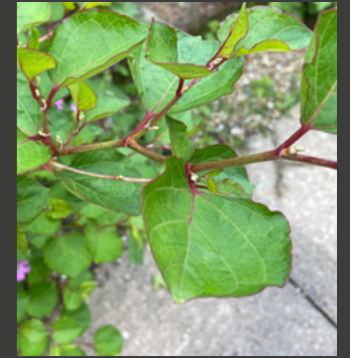
**PLANT GROWTH:** 3 to 3.5m in height

**LEAF:** Shovel shaped leaf flattened at the base, feels quite tough to the touch with a smooth lower side.

### DWARF JAPANESE KNOTWEED

**GROWTH:** The plant grows up to 1 - 1.8m in height

**LEAF:** A dwarf form of Japanese knotweed. Leaves have crinkled edges, a leathery texture, reddish veins and are often curled into a concave form.



10 - 20cm

### HIMALAYAN KNOTWEED

**PLANT GROWTH:** 2 - 3m in height

**LEAF:** Longer narrow leaf tapering to a long point. Frilled edges and pink-red central midrib. Higher density of leaf veins.

## How serious is knotweed?

### LEGAL OBLIGATIONS FOR HOMEOWNERS

The Wildlife and Countryside Act 1981 provides the primary control for the release of non-native species into the wild in Great Britain. It is an offence under Section 14(2) of the Act to “*plant or otherwise cause to grow in the wild*” any plants listed in Schedule 9, Part II.

#### LAND & PROPERTY OWNERS

If you own or manage property or land affected by Japanese knotweed, you are responsible for its control. Failure to do so could lead to unwanted disputes, substantial fines, or even imprisonment. We can help with that!

#### MANAGING SPREAD

If Japanese knotweed is allowed to spread beyond the property boundary this is deemed as encroachment. Encroachment would be deemed as having occurred even if just the underground rhizome of the plant had been found to have spread from one property to another.

This means if a property has knotweed growing on their land the property owner should make every effort to control the knotweed and prevent it from spreading outside their property’s boundary.

Actionable private nuisance claims can be served against persons found responsible for having allowed or caused encroachment to take place.

#### BUYING AND SELLING

When buying a house, the person you are buying from is required to disclose if the property is affected by Japanese knotweed. If you have bought a house that is affected, and you are able to show that the seller did not disclose this at the point of selling, you can claim for misrepresentation against the seller.

As experts in the field we can assist with advice on legal claims regarding Japanese knotweed.

# NOT TO BE IGNORED



### LEGAL OBLIGATIONS FOR COMMERCIAL BUSINESSES

#### FOR DEVELOPERS

Japanese Knotweed is an invasive and extremely resilient plant which has an underground rhizome system. The extent of the underground rhizome spread, and therefore the knotweed contaminated ground is considerably greater than it appears from the aerial growth (shoots, stems and leaves).

Any disturbance to the rhizome will generate new growth, causing a wider spread of the plant and infested ground, thus increasing remedial and development costs. Ignoring knotweed can result in regrowth during or after construction, appearing through hard and soft landscape areas and even within the fabric of buildings themselves.

If a developer or land owner does not undertake the necessary due diligence and control of Japanese knotweed, they risk legal action for professional negligence, which obviously has an impact on land marked for development. As such a professional survey is recommended to confirm any potential issues.

#### INSURANCE BACKED GUARANTEE

On successful completion of our works we are happy in most instances to provide a guarantee. As members of the PCA we can where required provide third party insurance on our guarantee.

The insurance is provided by Guaranteed Protection Insurance Ltd (GPI) and provides the client with an Insurance Backed Guarantee. Guarantee periods are typically 5 or 10 years, with the insurance providing additional peace of mind that in the unlikely event the company ceases to trade, you can still make a claim under the terms of the original guarantee.

The GPI Insurance Backed guarantee product is the most widely accepted product by major UK mortgages lenders.



# JAPANESE KNOTWEED TO BE IGNORED

## How serious is knotweed? cont.

### RESTRICTIONS ON AMENITY USE

The presence of Japanese knotweed places a restriction on the use of land or property. The plants can grow in thick and tall clumps impeding access to and use of amenity areas. The area of ground affected by the plant is also greater than the visible above ground extent. The plants underground rhizomes (underground stems) spread out horizontally (as well as vertically) from the above ground growth areas. The rhizome bearing ground should not be disturbed or the plant is very likely to spread further into other amenity areas, which places severe restrictions of the free unimpeded use of the property.

### DIMINUTION IN PROPERTY VALUE

Due to amenity use restrictions, potential for structural impacts, legal considerations, the cost of remediation or simply the stigma attached to the plant, its presence on property can result in diminution in property value. The diminution impact can vary depending on the extent of the problem off-set by the property desirability. Having a Knotweed Management Plan (KMP) in place is always recommended and will have a positive effect on any valuation.

### WASTE DISPOSAL REGULATIONS

The disposal of Japanese knotweed and other invasive weeds listed under section 14(2), schedule 9, part II of the Wildlife and Countryside Act, is legislated. Under the Environmental Protection Act, waste containing the propagules of these plants is classified as a controlled waste if removed from site of origin. This requires the waste to be transported only on Environment Agency register waste carrier vehicles, and disposed of at specially licensed landfill sites (of which there are a limited number in the UK).

Where there is an option to retain or dispose of these wastes on site, it needs to be done in accordance to the Governments Regulatory Position Statement (RPS) number 178. This controls how the waste can be kept and disposed of on-site, with specification for burial, relocation and re-use given.

# ENCROACHMENT

## REMOVAL ISSUES

Japanese knotweed and other legislated invasive weed wastes cannot be disposed of as general household waste, green waste, or taken to the local tip and/or a recycling centre. Doing so could lead to a fine or even being sent to prison.



# JAPANESE KNOTWEED TO BE IGNORED

## The site survey

### HAVE YOU GOT JAPANESE KNOTWEED?

As an accredited contractor we provide a Japanese knotweed survey service for residential and commercial properties. All surveys are carried out by one of our CSJK qualified surveyors who will identify and record any visible signs of Japanese knotweed on the property.

#### DETAILED REPORT

The survey findings are detailed within a report that will go on to form a documented Knotweed Management Plan (KMP) for the property. This includes an assessment of the extent of the infestation, and severity of impact to the current or proposed future use of the property, which can include restrictions on maintenance and amenity use activities, and in rare cases material damage to structures.

You'll receive our recommendations for remedial works (e.g. herbicide treatment or excavation) and our quoted costs. If there are known change of land use proposals for the property, these will also be evaluated to decide the appropriate control method.

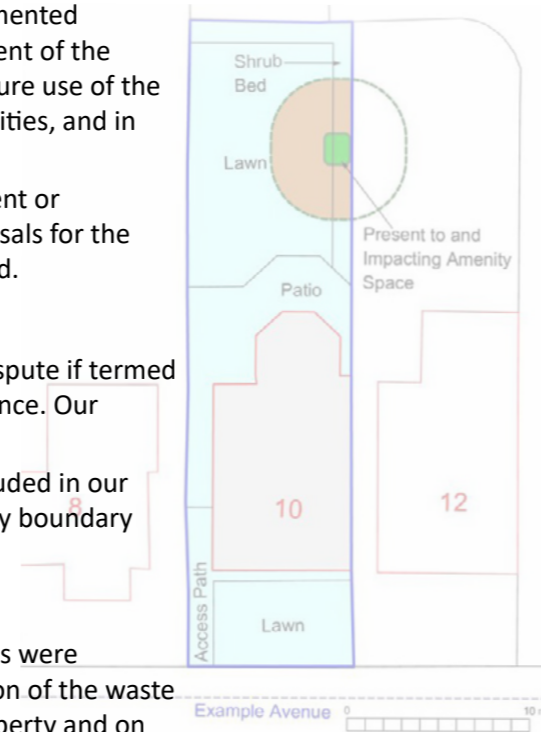
#### LEGAL IMPLICATIONS

In some cases the presence of Japanese knotweed may be subject to a legal dispute if termed as encroachment (private nuisance), misrepresentation or professional negligence. Our assessment can be used in evidence for such claims.

Where Japanese knotweed is seen on a neighbouring property this will be included in our survey. Neighbouring knotweed if in particularly close proximity to the property boundary may be included in proposals for remedial work.

#### RECORDED EVIDENCE

We also conduct surveys on completion of works, typically on construction sites where knotweed waste has been buried or relocated. The survey will show the position of the waste on site. Such records are important for future management and use of the property and on development sites the record is included in the Operational and Maintenance Manuals.



# SURVEY

JKL Surveyor - Eugene Duffy CSJK

## Commercial & Construction Knotweed Survey

- Full site surveys conducted to establish problem and risk to your investment
- Assessment of the problem against any proposed development plans
- Remediation proposal issued within the Knotweed Management Plan (KMP)

## Residential Knotweed Survey

- Ideal for home sellers & buyers/mortgage lenders of knotweed affected property
- Knotweed Management Plan provides:
  - A Japanese knotweed survey report which includes our recommendations for the best methods of treatment or eradication
  - An accurate drawing using an Ordnance Survey map and pictures of knotweed infestation taken on your property



# JAPANESE KNOTWEED TO BE IGNORED

## Herbicide treatment programme

### EFFECTIVE LONG-TERM CONTROL

Often the most cost-effective Japanese knotweed control method is a Herbicide Treatment Programme (HTP) which involves a methodical schedule of carefully managed visits, where correctly specified and used herbicides are applied to the target plants. With sustained applications the herbicide can exhaust the plant bringing it under effective control and preventing its further spread. Studies have shown that there are optimum herbicides and techniques that should be adopted, which we adhere to. When planning a Japanese knotweed treatment programme, we consider:

- proximity of Japanese knotweed to watercourses and bodies of water
- sensitivity to proximity non-target vegetation (trees, plants and grasses)
- size of the infestation and density of the stand
- proximity of tree roots (if using residual herbicides)
- proximity of badger sets or other forms of protected wildlife.

### THE BEST METHOD TO SUIT YOUR NEEDS

This enables us to determine the best choice of herbicide and method of application, which would be one or more of the following:

- Knapsack spraying
- Stem injection
- Leaf wiping

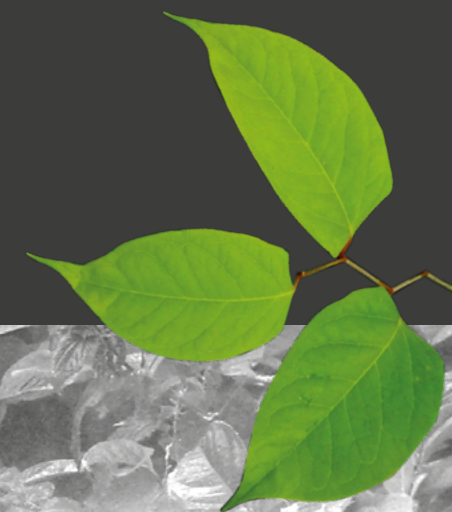
### LIMITATIONS AND SOLUTIONS

In most situations (particularly with mature knotweed stands that possess visible crown material) herbicide control alone is unlikely to remove the viability from the underground rhizome system. Dense or deep rhizome may retain viability while being locked in a herbicide induced dormancy. Disturbance of the treated knotweed area even after successful completion of herbicide treatments can therefore result in re-growth. If the area of ground where the knotweed resides is likely to be disturbed we will recommend excavation.

### APPLICATION

The application of any herbicides should be carried out in accordance to a BASIS guarantee and by persons with a recognised National Proficiency Test Council (NPTC) Certificate of Competence. This ensures the right herbicides are used and applied correctly. All our staff have the appropriate training and certification and conform to current legislation.

# HERBICIDE



# JAPANESE KNOTWEED TO BE IGNORED

## Knotweed on development sites

### WORKING WITH COMMERCIAL CONSTRUCTION COMPANIES

Contacting us for advice on knotweed management at the early stages in planning should be a prerequisite on any development site.

#### KEEPING CONSTRUCTION MOVING

Our excavation techniques are cost effective and solve every site's requirements, and where desirable allow material to remain on site and to be re-used. Our methods of control are low risk, efficient and designed specifically to keep your projects flowing.

#### PROTECTING YOUR INVESTMENT

To ignore invasive weeds on land that you've invested in for development, or to treat them incorrectly, can prove costly in the long term. This is why we work with you to devise the most appropriate remediation solution based on the proposals for the site. Being fully compliant with legislation and codes of practice we ensure that your land can be remediated for its designated purpose.

#### HEALTH & SAFETY

As a safety-first company JKL is fully compliant with the relevant Health and Safety regulations, ensuring our staff are fully trained and our processes comply with H&S standards and legislation. Onsite inspections are carried out routinely.

- H&S is discussed at all management meetings
- Our H&S Committee meets regularly throughout the year
- We have an annual review with our H&S providers

#### SOLUTIONS FOR BROWNFIELD SITES

Whether you are at the pre-purchase stage, or have already invested in a brownfield site we can ascertain via survey whether it is contaminated with knotweed or other invasive weeds. Asbestos or heavy metal ground contamination is often a concern for remediation of these sites, however we can excavate and remove these wastes for you.

### WATCHING BRIEF

At Japanese Knotweed Ltd, we are fully equipped and highly trained to deal with Japanese knotweed removal. In some situations, where the client has machinery and labour on-site, we can provide site supervision.

# CONSTRUCTION





# JAPANESE KNOTWEED TO BE IGNORED

## Excavation options

### OUR FIVE EXCAVATION METHODS

Excavation is the best solution to permanently remove knotweed, as it enables change of land use plans and avoids costly delays to building projects.

The appropriate excavation and waste disposal method will depend on site access, development timescales and the proposed development's plan. We will advise you of the most appropriate remedial method(s) specific to your site. A Knotweed Management Plan (KMP) will be produced to detail the survey findings, proposed remedial works and a full quotation. We use removal to landfill sites as a last option.

#### 1. FULL EXCAVATION AND REMOVAL TO LANDFILL

This provides an instant and impressive rectification method to the problem of Japanese knotweed. On completion the knotweed has been completely removed, allowing for unimpeded development of the area. Although the least sustainable of our methods, our approach and ethos puts emphasis firmly on reducing quantities of waste removed to landfill, and hence cost to the customer. This is done via expert accurate identification of rhizome extent in the soils, ensuring complete removal while only removing those soils that possess the rhizome.

#### 2. REDUCED LEVEL EXCAVATION AND ROOT BARRIER CAPPING

To reduce the cost of excavation it may be feasible in some situations only to excavated to a set depth, and then use root barriers to cap and retain any further deeper knotweed contaminated ground. This is particularly cost effective when the development formation level (the depth existing ground levels need to be reduced by to allow for construction) is less than 1m deep. The proprietary root barriers are installed to fully contain the remaining knotweed contaminated ground and prevent its re-emergence. Expert installation and bonding ensures the complete integrity of the barrier. The contained non-excavated knotweed is therefore sustainably remediated on site.



# EXCAVATION



## Excavation options cont.

### 3. DISPOSAL OF EXCAVATED WASTE ON SITE AS A CELL-BURIAL

As well as providing instant eradication of the knotweed, it allows fully sustainable disposal of the excavated waste on-site in accordance to Government RPS 178. The method requires a suitable location and size of area where the waste can be buried. The area can be sizable due to the logistics and specification for burial, with soft landscape public open space (POS) being among the desirable areas to place a burial. A deep receipt pit is excavated, deep enough so that at least 2m of clean fill can be placed above the deposited buried knotweed waste. The knotweed waste is deposited within the pit, encapsulated in root barrier, which is referred to as the cell. By residing 2m below finished ground levels it helps protect the cell against future accidental human disturbance or burrowing animals.

### 4. SIFTING OF EXCAVATED WASTE

Sifting of the excavated knotweed waste soils can be used to lessen the volume of knotweed material within them. This method however cannot be guaranteed to remove all knotweed rhizome and therefore the treated sifted soils will still need to be handled as potentially knotweed contaminated. The reduction in the growth potential following sifting makes these soils more re-useable on site, either in burial or relocation for monitoring. If they are removed from the site they will still be classed as controlled waste due to potential or known knotweed contamination.

### 5. RELOCATION OF EXCAVATED MATTER

In some situations it may be possible to relocate knotweed from an undesirable location to another location on site where it can be treated long term with herbicides. This provides the instant eradication of the knotweed from its current location (to enable development for example), while sustainably retaining and treating the knotweed on site. The excavated waste is carefully double handled over site along designated haul routes between the locations. Often only suitable to larger sites, the knotweed is relocated as a formed stockpile or landscape bund where re-growth of knotweed is treated with herbicide. Once the knotweed growth has been controlled the relocated area can be carefully seeded or planted.



# EXCAVATION

## RECORDING THE LOCATION

The dimensions, depth and location of a cell-burial are recorded with the Knotweed Management Plan (KMP) for the site. The KMP should be included in the Operations and Maintenance Manuals for any development site.

# JAPANESE KNOTWEED TO BE IGNORED

## Contaminated waste removal

### REMOVAL OF JAPANESE KNOTWEED AND OTHER CONTAMINANTS

#### LEGISLATION

The Environment Agency (EA) deem any ground containing knotweed plant material, even after a specialist has completed successful herbicide treatments, to still potentially contain viable knotweed and be treated as knotweed contaminated.

Under the Environmental Protection Act 1990 waste containing the propagules of any invasive weeds listed under schedule 9, part II of the Wildlife and Countryside Act, including knotweed, will be classed as controlled waste if removed from site.

This requires waste removal via EA registered waste carriers only to a landfill site fully EA licensed to receive and dispose of Japanese knotweed and other listed invasive weeds. On completion a full duty of care waste tracking record is provided.

#### CLEARING CONTAMINATED GROUND

Clean (inert) non-active soils which contain knotweed can be removed from site under controlled waste classification. However, this needs to be pre-qualified and the landfill supplier will normally need sight of a chemical soil analysis test to verify that no other contaminants or active soils are present.

We can undertake the soil sampling and provide the test results for soil contaminants such as asbestos, petroleum hydrocarbons or heavy metals. The tests will qualify the waste type, and if hazardous levels of contaminants are found further Waste Acceptance Criteria (WAC) tests will be required and undertaken before the landfill can accept to receive and dispose of them.

Whether it's Japanese knotweed waste, or contaminated hazardous soil we can dig and remove it!



# CONTAMINATED GROUND



## Land Remediation Relief (LRR)

### FINANCIAL INCENTIVE FOR LAND OWNERS/ INVESTORS

#### LRR IS NOT TO BE IGNORED!

Originally LRR was designed to encourage investment in land that was previously derelict or contaminated so it can be made purposeful again. It is a generous tax incentive intended to promote the remediation and development of land and buildings affected by Japanese knotweed or chemical contaminants such as asbestos. It helps offset some of the cost of remediation services (which can include man hours on the project, such as the Project Manager) through capital gains tax relief.

#### WHO CAN CLAIM?

LRR can be claimed by property owners, investors and developers dealing with Japanese knotweed or contaminated grounds. The claimant must be the owner (adopter) at the time of the works and pay capital gains tax.

Successful claims can result in capital gains tax refunds on qualifying work values of up to:

- **150% for the land owners**
- **50% for developers**

However, many property owners are either not aware of the scheme, or not clear of the qualifying criteria for making a claim, and could be missing out on this valuable cash-back incentive!

Claims can be made that continue year-on-year for on-going treatments, and can be claimed retrospectively up to 3 years.

#### HOW TO MAKE A CLAIM?

We have partnered with Fortus, a leading firm of Accountants and Business advisors with a specialist Land Remediation Relief team consisting of Qualified Tax Experts & RICS Chartered Surveyors to ensure you get the best advice and assistance with making a Land Remediation Relief claim. Their team will work in partnership with ours to help unlock the significant tax benefits your business may be entitled to.



# TAX RELIEF

## LAND REMEDIATION RELIEF

Contact our team to kick start the process, quoting this code in your email  
**LRR2022** [contact@knotweed.co.uk](mailto:contact@knotweed.co.uk)



## The environmental arm of Japanese Knotweed Ltd

### WE ARE NOT JUST KNOTWEED!

Our sister brand provides additional services for the control of other invasive species, and contaminated ground. Our staff are trained to identify and effectively treat or manage other invasive weeds. As some plants are poisonous or can cause harmful reactions on contact, the training sessions always include health and safety as best practice.

We think laterally and economically, with an alternative method approach that limits the use of chemical treatments where necessary and always liaising with Environment Agency officials when required. Better for you, better for the environment. **Evolution is good!**

### TAKING CARE OF INVASIVE WEEDS LEGISLATION

Legislation and government directives place a growing emphasis to control the spread of invasive plants in the UK. As a result, we are seeing increasing requirements for other invasive weed control work.

There are many plants which are known to be invasive. These include Invasive Non-Native Species (INNS) that have been introduced from other countries and can spread, causing damage to the environment, the economy, our health, and the way we live. Certain of these species are listed in Section 14, Schedule 9, part II of the Wildlife and Countryside Act 1981. In the main, it lists species that are already established in the wild, but which continue to pose a conservation threat to native biodiversity and habitats.

We can identify and professionally control or remove these species.

### Environment Controls is a trading name of Japanese Knotweed Ltd

Providing specialist control services for; Invasive Native and Non-Native Weeds (INNS), aquatic weeds, invasive species, amenity weed management, and removal of asbestos contaminated soils.

0330 045 8880 [contact@knotweed.co.uk](mailto:contact@knotweed.co.uk) [environmentcontrols.co.uk](http://environmentcontrols.co.uk)



HIMALAYAN BALSAM

GIANT HOGWEED

FIELD HORSETAIL

VARIEGATED YELLOW ARCHANGEL

VIRGINIA CREEPER

VIRGINIA CREEPER

RHODODENDRON

BUDDLEIA

BAMBOO

COMMON RAGWORT

YELLOW AZALEA

COTONEASTER

THREE-FLOWERED LEEK

MONTBRETIA

GIANT RHUBARB

JAPANESE ROSE



## Amenity weed management

### HIGHWAYS, PEDESTRIAL AREAS, SPORTS GROUNDS, & PROPERTY

Amenity weed control covers the management of weeds and unwanted vegetation along highways, roadside verges, roundabouts, pathways, industrial sites, railway tracks, pipelines, sub-stations, forestry, cemeteries, reservoirs, and water ways. We will help you take control of unwanted weed infestations on sports grounds and play areas including moss and algae control to prevent slip hazards.

#### IDEAL FOR LOCAL AUTHORITIES & PROPERTY MANAGERS

Our amenity weed control services are geared for local authorities that are required to keep areas of access clear of weeds. We also work with property and facilities management companies. As their approved contractor we control invasive weeds on land that is under their management. The Resident's Management Company (RMC) approves the costs for such services to be included in the Service Charge budget so it is important they can rely on a highly experienced firm such as Japanese Knotweed Ltd. It is also key to have weed control treatment documented for residents wishing to buy or sell their property.

#### AN ALTERNATIVE APPROACH

Integrated Weed Management (IWM) uses minimal herbicide application by targeting it more precisely in combination with other non-herbicide management systems. Our consultancy service assists in providing an efficient and considered weed management designed to keep expenditure levels down. Adopting alternative weed control methods means we can:

- reduce the risks associated with herbicide use such as storage, handling, use and disposal.
- ensure safe and effective management of public open spaces and green spaces on estates.
- minimise chemical usage with targeted herbicide treatment.
- and reduce the reliance on mowing regimes by creating wildflower meadows on roadside verges.



# AMENITY WEEDS

YARROW

SPEAR THISTLE

REEPING OR FIELD THISTLE

CURLED DOCK

BROAD-LEAVED DOCK

ANNUAL GRASSES

CHICKWEED

CREEPING WOODSORREL

NETTLES

ROSEBAY WILLOWHERB



## Aquatic invasive weed control

### BEING INNOVATIVE AND ENVIRONMENTALLY RESPONSIBLE

Some aquatic weeds cause a huge impact to the environment and require specialist control services to restore ecological balance. It is common for watercourses such as lakes, ponds and canals to become congested with and be disrupted by invasive plant species. Most native aquatic plants seldom cause problems as they live harmoniously with many different species that naturally control overgrowth of plants.

However, non-native plants do not have those natural controls within the environment they are introduced to. This allows these plants to overgrow becoming a threat to the aquatic ecosystem.

#### **These invasive plants need to be controlled, here's why...**

Invasive aquatic weeds without natural controls can grow in mass very quickly. Often reducing the quality of habitats in rivers, waterways, and canals. When this happens invasive aquatic weeds can:

- Destroy fish and wildlife habitat
- Suppress native plants and wildlife
- Cause navigational blockages
- Impact on flood control
- Cause issues with recreational wild swimming
- Clog drinking, irrigation and hydroelectric power water pipes.

#### **EFFECTIVE AND CONSIDERED METHODS OF CONTROL**

There are several remediation methods that control invasive aquatic weeds, ranging from herbicide, cutting by hand, hand pulling, mechanical dredging and covering. Also within pond and lake environments weed control can be achieved by aeration methods such as floating lake systems. Areas where cutting or pulling takes place must be netted to ensure fragments don't spread downstream. All cut material must be removed from the water and safely disposed of, preferably on site, well away from water courses.



# AQUATIC WEEDS

FLOATING PENNYWORT

WATER FERN

CURLY LEAVED WATERWEED

PARROTS FEATHER

AMERICAN SKUNK CABBAGE

NUTTALLS WATER WEED

NEW ZEALAND PIGMYWEED

HEMLOCK WATERDROPWORT



## Land rejuvenation

### MAKING GOOD THE DAMAGE CAUSED

Invasive weeds will, by their very nature, have caused some extent of damage to the local native ecosystem where they are found, most often by out-competing and banishing our native flora. In controlling invasive plants the treatment itself (be it herbicide or excavation) can damage the local area where the plant resided, in some cases resulting in follow-on erosion of the soil no longer supported by the root structure of the remediated plants. At its worst this can result in the collapse of green structures such as verges and river banks.

### WHAT WE DO

We always give consideration to rejuvenating any area after all works have been completed. Most commonly this involves looking around at the native plants and grasses in the area, and re-planting or seeding with the same. This rejuvenates land via improved root systems and drainage. Our surveyors will assess the level of regeneration that may be required and look for the best option for that particular environment.

### THE OUTCOME

Replanting and rewilding creates land stability, this includes tree planting, improving existing hedgerows, planting new hedges and creating field margins that all help to prevent flooding, encourages wildlife and protects the natural habitats.

Trees help by absorbing carbon dioxide which ultimately has a positive effect on climate change. Trees also have a powerful effect on our wellbeing, something that is more and more required. Property management companies have noticed the difference well maintained green spaces have on resident and social interaction creating a stronger sense of community.

We ensure that no waterways are adversely affected by herbicide, and land can spring back to life, sometimes even better than before works were carried out.



# ECOSYSTEM MANAGEMENT

WILDFLOWER MEADOWS

TREE PLANTING

FIELD MARGINS

IMPROVING HEDGEROWS

REWILDING

RESEEDING

Our operations are carried out in accordance to The Wildlife and Countryside Act 1981, The Environmental Protection Act 1990, EPA (Duty of Care) Regulations 1991 and all other relevant legislation, as well as the PCA, INNSA and E.A. Code of Practice guidelines.

People think we are Excellent



# JAPANESE KNOTWEED TO BE IGNORED



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MANAGEMENT PLAN | SURVEY | TREATMENT | REMOVAL | GUARANTEE | INSURANCE