



ENVIRONMENT AND CLIMATE CHANGE COMMITTEE
MONDAY, 23 NOVEMBER 2020

Please find enclosed the noting reports which relate to item 5 on the main pack agenda for the Committee.

A G E N D A

5. QUESTIONS AND COMMENTS ON REPORTS FOR NOTING

5.1 Noting Reports

(Pages 1 - 102)

To note the following reports:

- Clean and Green Initiative Update
- Tree Planting - Free Ornamental Trees
- Management of Brooks
- Performance Management – Review of Business Plan Progress – Environment and Climate Change
- Funding Stream Availability for Housing Energy Efficiency Improvements
- Climate Change and Green Futures Programme Update

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Report of the Strategic Director

CLEAN AND GREEN INITIATIVE UPDATE

1. Purpose of report

To update Members on the progress of the Clean and Green initiative.

2. Background

The Clean and Green Initiative supports the Councils corporate vision of “a greener, safer, healthier Broxtowe where everyone prospers” and to “protect the environment for the future.”

Since its conception the activities delivered as part of the Clean and Green initiative include:

- Delivery and engagement with Schools and local groups educating around 1000 pupils on recycling and environmental issues.
- Facilitating and supporting local business and resident involvement in Community Clean Team events with aim of embedding community pride.
- Three free bulky waste weeks providing around 700 households with free collections.
- Twenty-two waste day providing around 750 households with free disposal of their unwanted items.

Further information is shown in the appendix with regards to the delivery of the above activities.

Although COVID 19 has reduced what can currently be achieved information in the appendix provides an update with regards to the activities undertaken as part of the Clean and Green initiative since the last Committee in June 2020 or events planned for the near future.

3. Financial implications

Any financial implications of the Clean and Green initiative have been approved and are contained within budgets.

Recommendation

The Committee is asked to NOTE the Clean and Green activities which have taken place.

Background papers

Nil

1. Free Bulky Collection Weeks

The dates for the free bulky waste collection weeks are shown in the table below.

Free Bulky Week	Bookings taken from
w/c 7 December 2020	16 November 2020
w/c 25 January 2021	4 January 2021
w/c 1 February 2021	4 January 2021

The Terms and Conditions from the previous year will be applied and four residual collection days and one electrical collection day will be provided within each week.

The free weeks will be promoted through social media channels such as Email Me and Facebook messages as well traditional paper based methods. Press Releases will be sent to the local newspapers in advance of any social media promotion. This is to ensure that residents that may not have access to social media platforms are provided with opportunities for receiving information on the free service in time for when the booking period commences.

2. Community Clean Teams Initiative

Despite COVID 19 affecting the ability for Community Clean Team initiatives to take place it is pleasing to report that since the last meeting two local community groups have taken part in activities to improve their local area.

A local group litter picked a twitchell around Audon Avenue, Chilwell with another group pruning vegetation along a local footpath around Midhurst Close, Chilwell. The difference the efforts of these local groups make to their local environment and community is outstanding.

The events were undertaken in a COVID secure way with activities strictly following government guidance such as maintaining social distancing and no more than groups of 6 people.

Community Clean Team activities can still be able undertaken in a COVID secure manner. It is therefore hoped that the frequency of local groups participating in these events will not only begin to re-establish itself but will in fact grow as local communities see the value of their local environment and making a difference in improving their local community.

3. Delivery of Clean and Green activities

The table below shows when the Clean and Green activities have been delivered.

Activity	2018/19	2019/20	2020/21
Delivery and engagement with Schools and local groups on recycling	Four Schools and local groups visited involving around 200 people	Nine Schools and local groups visited involving around 800 people	COVID 19 has currently postponed face to face delivery but alternative approaches are being developed
Community Clean Team events	Three community clean team events undertaken involving around 100 people	Fourteen community clean team events involving around 252 people	Affected by COVID 19 but two community clean team events have taken place involving around 15 people.
Free bulky waste weeks		Three free bulky waste weeks providing around 700 households with free collections	Free weeks planned for December 2020, January and February 2021.
Waste day events	Five waste day events held involving around 425 users	Seventeen waste day events held involving around 325 users	COVID 19 has currently postponed the delivery of waste day events.

Report of the Strategic Director

TREE PLANTING - FREE ORNAMENTAL TREES1. Purpose of report

To update members on the initiative to provide 500 ornamental trees suitable for domestic gardens free to Broxtowe Residents.

2. Background

The Council has a target to plant 2,000 trees each year across the borough as part of the tree planting strand in the Climate Change and Green Futures programme. Following the success of last year's free fruit tree initiative where 500 free fruit trees were allocated to Broxtowe residents, this year, as part of the contribution towards this year's target, 500 ornamental trees are being offered to residents in the borough. Details of the scheme are provided in the appendix. Response to this scheme was very positive and more than 800 requests were received for the trees. The successful applicants have been informed and arrangements for the allocation of the trees is now being co-ordinated. Given the success it is proposed to repeat the initiative next year taking on board comments and feedback following the events.

3. Financial implications

The cost of the 500 trees was £4125. The estimated cost of distributing the trees on two days in January 2021 is £1,650. These costs will be contained in the 2020/21 revenue budget allocated for Tree Management.

Recommendations

The Committee is asked to NOTE the report.

Background papers

Nil

APPENDIX

Details of Ornamental Trees

The trees chosen for this year's initiative are all suitable for domestic gardens. Trees have the benefit of connecting people and families for the purpose of planting and then observing them grow and establish. The trees also have the added benefit of providing a valuable habitat for birds and a source of pollen for bees and pollinating insects.

The trees were sourced locally and the species determined by what was available in the numbers required.

Prunus serrula (Tibetan Cherry)

This is a round headed small deciduous tree with shining coppery brown young bark. Narrow leaves turn yellow in autumn. White flowers in small clusters.

Prunus 'Spire' (Flowering Cherry)

This is a small deciduous tree with a compact, upright habit. Bronze young leaves turn orange and red in autumn. Single light pink flowers.

Prunus 'Spring Glow' (Flowering Cherry)

A beautiful small tree of compact growth with large semi-double pink flowers in March-April.

The leaves appear after the blossom and have an attractive copper red colour.

Crataegus laevigata 'Plena' (Hawthorn 'Plena')

This is a rounded deciduous tree with leaves which turn yellow-red in autumn. It produces double white flowers in late spring following by red berries in autumn.

Betula utilis jacquemontii 'Snow Queen' (Himalayan Birch)

This offers real winter wow factor with its snowy white exfoliating bark. It is complimented by yellow/brown catkins in spring.

The trees will be between 1.0 and 1.5m in height and will be supplied with an information leaflet about the varieties of tree and details as to how the plant and care for them. The offer was limited to 500 trees for both financial and operational reasons.

The process to apply for the trees using a link on the Council's website worked very well with all the necessary information provided to allow the process of advising the successful applications to be administered.

Report of the Strategic Director

MANAGEMENT OF BROOKS1. Purpose of report

To update members on the ownership and maintenance responsibilities relating to the major brooks in Broxtowe, together with any issues identified following detailed inspection of each of the routes.

2. Background

There are 6 major brooks in the Borough:
Nether Green Brook, Eastwood
Beauvale Brook, Eastwood
Dairy Farm Brook, Giltbrook
Brinsley Brook, Brinsley
Boundary Brook, Stapleford
Moorbridge Lane to Mill Road, Stapleford

Each one is unique with differing ownerships and site specific maintenance issues. Each brook has been inspected during Summer or early Autumn 2020 and an assessment made of the condition, works required and responsibility either side of the bank. The report makes reference to ownership of the land adjacent to the brook. In many cases this is referenced as riparian ownership in terms of responsibility. A riparian owner is anyone who owns a property where there is a watercourse within or adjacent to the boundaries of their property. A watercourse includes a river, brook stream or ditch. Further detail on the site assessments is provided in the Appendix together with plans of the 6 brooks which also identify the land in Broxtowe Borough Council ownership.

In compiling this report officers have liaised with Nottinghamshire County Council as the lead local Flood Authority (LLFA) and meetings held on site to assess priorities. It has been agreed to have a regular 6 monthly meeting with the relevant officers to provide an update on issues that are identified through the inspection process. Further meetings will be arranged with the Environment Agency in their role providing a strategic overview of all sources of flooding and in particular with their management responsibility for sections of the Boundary Brook at Stapleford.

3. Financial implications

The current budget for maintaining the various drainage ditches, water courses and brooks that this Council is responsible for is £30,000. Demand on this budget can vary annually depending on ground and weather conditions but there are key works that take place annually which are funded from this budget.

Recommendation

The Committee is asked to NOTE the report.

Background papers

Nil

Site Assessments Summer/Autumn 2020

Each of the brooks were assessed over the summer/early autumn with the routes walked and issues identified. The table below breaks each brook into a series of sections to identify ownership, existing works and issues identified and proposed actions.

Name of Brook		Nether Green	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 Northern side A610 to CH 294 boundary to Broxtowe Borough Council	New industrial Units off A610	Unable to gain access at time of visit. No known problems on this section	Contact land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate
CH 000 Southern side A610 to Broxtowe Borough Council boundary of Hall Park Nature Reserve.	Mushroom Farm Industrial Units –Broxtowe Borough Council	Unable to gain access at time of visit. No known problems on this section	Contact land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate
Section 2 CH 294 Northern side from Mushroom Farm boundary to boundary with Eastwood Hall CH 742	New industrial Units off A610	High retaining wall with low wetland area adjacent to brook. Tree lined with older limbs falling towards the brook	Monitor to make sure there is no adverse flood risk associated with fallen limbs
CH 294 Southern side from start of Broxtowe Borough Council boundary to CH 742	Broxtowe Borough Council Hall Park	Tree lined copse area, provides shade conditions, with mature limbs growing towards the brook which creates a natural habitat. Reasonable height between water level and tree branches.	. Continue with existing inspection and cleansing regime and inspect after storm/flooding conditions

Name of Brook		Nether Green	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		Vegetation is in abundance creating a natural barrier between parkland and brook. This section of the brook is inspected by drainage contractor every 6 months for any obstructions or debris within the brook. Issues highlighted and any clearance works actioned as necessary	Vegetation clearance and tree limbs need to be cleared as necessary and sensitively to make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation
Section 3 CH 742 Northern side Eastwood Hall boundary to end of Broxtowe Borough Council ownership CH 1023	Eastwood Hall	Tree lined copse area, provides shade conditions, with mature limbs growing towards the brook which creates a natural habitat. Reasonable height between water level and tree branches.	Correspond with Eastwood Hall as necessary and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Owners have previously worked with the Council to clear this section.
CH 742 Southern side Broxtowe Borough Council ownership to boundary of private property CH 1023	Broxtowe Borough Council Hall Park	Both sides of the brook are tree lined and the area is open and made up of mature trees creating a canopy. A number of tree limbs have fallen towards the brook which creates a natural habitat, reasonable height between water level and tree branches.	Continue with existing inspection and cleansing regime and inspect after storm/flooding conditions. Vegetation clearance and tree limbs to be cleared as necessary and sensitively to

Name of Brook		Nether Green	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		Vegetation is in abundance creating a natural barrier between parkland and brook. This section of the brook is inspected by drainage contractor every 6 months for any obstructions or debris within the brook. Issues highlighted and any clearance works actioned as necessary.	make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation
Section 4 CH 1023 Northern side Eastwood Hall to Mansfield Road Eastwood	Eastwood Hall	Tree lined copse area, provides shade conditions, with mature limbs growing towards the brook which creates a natural habitat. Reasonable height between water level and tree branches.	Correspond with Eastwood Hall as necessary and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Owners have previously worked with the Council to clear this section.
CH 1023 Southern side from Broxtowe Borough Council ownership boundary to Mansfield Road Eastwood	Riparian Ownership, property on Mansfield Road	Some debris in brook at this point	Correspond with land owners as necessary and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 5 CH 1089 Mansfield Road culvert	Nottinghamshire County Council	This culvert under Mansfield Road is a key asset in controlling flood risk upstream.	Given its significance in controlling potential flood risk Broxtowe Borough Council to

Name of Brook		Nether Green	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		Inspection of grillage and flap valve regime responsibility of Nottinghamshire County Council. Clear at time of visit in August 2020	inspect on a 6 monthly basis and advise Nottinghamshire County Council of findings.

Name of Brook		Beauvale Brook	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 to CH 1106 Moorgreen Reservoir to start of housing	Riparian Ownership on both sides	Brook runs through a variety of sections of open land and is culverted in parts. No issues identified	Correspond with land owners as necessary and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal as appropriate
Section 2 CH 1106 Open land to the western side. On eastern side housing to CH 1640 at Bridleway 4	Riparian Ownership on both sides	Western section open land brook edged with trees and vegetation. No easy access to brook. Eastern side brook runs along the rear of residents gardens. At BW4 bridge at time of inspection in late August the brook was running well. Some rubbish and debris in brook but not affecting the flow of the water	Correspond with land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 3 CH 1640 to CH 3043	Northern boundary	Northern section open land. Brook edged with trees and	Greasley Parish Council are responsible for the

Name of Brook		Beauvale Brook	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
From Bridleway 4 to start of Eastwood cricket ground boundary	Greasley Parish Council and Riparian Ownership Southern boundary Riparian Ownership with a short section Greasley Parish Council	vegetation. From CH 2919 to cricket ground boundary on the northern side is owned by Greasley Parish Council. Southern side brook runs at the bottom of residents gardens and a small section in open land. Brook edged with natural vegetation. Water flowing well at time of inspection in late August	maintenance of part of this section. Continue to work with the Parish Council making them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Correspond with land owners on both north and south boundaries and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 4 CH 3043 to CH 3183 Start of Eastwood cricket ground to boundary of private housing	Broxtowe Borough Council Eastwood cricket ground Riparian Ownership Nottinghamshire County Council	Northern side is maintained by Broxtowe Borough Council. Vegetation is cleared back annually. Work done sensitively to protect this important habitat. Grillage at boundary maintained by Broxtowe Borough Council. Southern side brook runs at the rear of residents gardens and a small section is within	Continue with existing inspection and cleansing regime and inspect after storm/flooding conditions Correspond with land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.

Name of Brook	Beauvale Brook		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		the cricket ground maintained by Broxtowe Borough Council. Flap valves along the brook are maintained by Nottinghamshire County Council.	Work with Nottinghamshire County Council on a regular inspection regime to keep flap valves maintained. Broxtowe Borough Council continue to be proactive and bring any problems to Nottinghamshire County Council attention.
Section 5 CH 3183 to CH 3671 From boundary of Eastwood cricket ground to Mansfield Road	Riparian Ownership Broxtowe Borough Council responsible for small pockets of land Nottinghamshire County Council	This whole section runs between residential properties on both sides of the brook. There are small pockets of land that Broxtowe Borough Council own and a number of flap valves that Nottinghamshire County Council maintain due to Highway run off from roads on the north side of the brook.	Correspond with land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Work with Nottinghamshire County Council on a regular inspection regime to keep flap valves maintained. Broxtowe Borough Council continue to be proactive and bring any problems to Nottinghamshire County Council attention.

Name of Brook		Daisy Farm Brook	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 from start of brook after culvert to CH 165 Smithurst Road	Broxtowe Borough Council Smithurst Road Open Space Local Nature Reserve	Both sides of the brook are edged with trees/shrubs and vegetation. Presently inspected on a 6 monthly basis by drainage contractor for any obstructions or debris. Part of the Smithurst Road Open Space Local Nature Reserve. Many inlet pipes feed into the watercourse. Some pollution evident.	Vegetation to be cleared back sensitively given Nature Reserve status every 6 months. Litter/debris clean up every 3 months. Monitor any pollution entering the brook as part of 3 monthly clean up and report to Environment Agency.
Section 2 CH 165 to CH 177 Smithurst Road Newthorpe	Nottinghamshire County Council	Culvert under Smithurst Road. Has two inlet pipes bringing in surface and highway drainage. Grillages are often blocked with debris and need attention.	Continue to work with NCC and establish a set maintenance regime. BBC to continue to be proactive and bring any problems to NCC attention. Add to existing inspection regime
Section 3 CH 177 From end of culvert to boundary of Broxtowe Borough Council ownership CH 217	Eastern boundary Broxtowe Borough Council Western boundary riparian ownership	Brook is edged with trees/shrubs and vegetation. At time of visit in August 2020 this section was flowing well.	Correspond with land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 4 CH 217 From southern boundary of Broxtowe	Riparian Ownership with housing either side	Brook is edged with trees/shrubs and vegetation.	Correspond with land owners and make them aware of their responsibilities to keep the

Name of Brook	Daisy Farm Brook		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Borough Council Open Space to new balancing pond off Davenport Drive		At time of visit in August 2020 this section was flowing well.	brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 5 CH 280 Western side from private property Broxtowe Borough Council ownership to CH 325 end of Broxtowe Borough Council ownership Eastern side private property as part of new housing development	Broxtowe Borough Council Riparian ownership Nottinghamshire County Council	Side of the brook is edged with trees/shrubs and vegetation. Part of the Smithurst Road Local Nature Reserve. Presently inspected on a 6 monthly basis by drainage contractor for any obstructions or debris. At CH 280 there is a Surface Water Drain from a westerly direction which is taking highway and surface water.	Vegetation to be cleared back sensitively given Local Nature Reserve status every 6 months. Litter/debris clean up every 3 months. Work with Nottinghamshire County Council on a regular inspection regime to keep culvert and grillages clear
Section 6 CH 325 to CH 371 Nottinghamshire County Council structure (5215C) taking surface water under the A610	Nottinghamshire County Council	Concrete culvert and drainage feature with grillage prior to taking water into culvert under the A610.	Susceptible to silting up. Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to continue to be proactive and bring any problems to Nottinghamshire County Council attention.

Name of Brook		Brinsley Brook	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 Boundary Broxtowe Borough Council/Ashfield Borough Council to bottom of meadow at Brinsley Headstocks CH508	Riparian Ownership and part Nottinghamshire County Council	Nottinghamshire County Council maintain a section of this brook with highway surface water run-off from A608. Section to west of brook forms part of the planning application to construct 115 dwellings on the site.	Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to be proactive and bring any problems to Nottinghamshire County Council attention. Correspond with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Work with planners to ensure proposals for any new development include ongoing maintenance responsibilities for the brook
Section 2 CH 508 Brinsley Headstocks Local Nature Reserve to CH 1108	Broxtowe Borough Council Brinsley Headstocks	Brook runs through the Local Nature Reserve and is edged with a mixture of trees, shrubs and vegetation. There are a number of footbridges over the brook. Brook is inspected by drainage contractor every 6 months for any obstructions or debris within the brook. Issues highlighted and any	Vegetation to be cleared back sensitively given Local Nature Reserve status every 6 months. Continue with existing inspection and cleansing regime and inspect after storm/flooding conditions

		clearance works actioned as necessary.	
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Name of Brook	Brinsley Brook		
Section 3 From CH 1108 boundary of Brinsley Headstocks to CH 2186 Nottinghamshire County Council grillage	Riparian Ownership	Brook runs at the back of houses on western side and farmer's fields to the east. Some properties on this section have experienced flooding in their gardens. Part of the brook is obstructed by tree trunks which could impact on the flow of any flood water.	Correspond with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 4 From Nottinghamshire County Council grillage at CH 2186 to CH 2303 where the Brinsley Brook joins Beauvale Brook.	Riparian Ownership	Brook runs at the bottom of residents gardens on both sides which cannot be accessed for detailed assessment. On Coach Drive there is a viewing point which shows that the brook is edged with trees and vegetation along with some debris.	Correspond with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.

Name of Brook	Boundary Brook (Sections 6,7 and 8 are classed as a Main River and are the responsibility of the Environment Agency to manage)		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 Ch 000 Nottingham Canal culvert to CH 383 boundary of Pit Lane Local Nature Reserve	Private farm land	Culvert under the canal at CH 000 was dry and clear of debris on day of site visit in late August. Brook runs through farm land to boundary of Pit Lane Recreation Area.	Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate .
Section 2 Northern side is private land to CH 383. Southern boundary includes part of Stapleford Hill Local Nature Reserve and land proposed for housing	BBC Private farm land on Northern boundary forms part of proposed Field Farm Development Broxtowe Borough Council	Both sides of the brook are overgrown making site inspection extremely difficult. From CH 673 to CH 703 watercourse runs through Stapleford Hill Woodland and is edged with trees, shrubs and vegetation. At the time of the inspection in late August water flow running well although some vegetation clearance would be beneficial	Make the Environment Agency aware of any obstructions along the brook and work with them in a proactive and sensitive way. Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 3 CH 703 –CH 1153 Northern side Pit Lane Recreation Area Local Nature Reserve. Southern boundary forms part of Field Farm development	Northern side Pit Lane Recreation Area Local Nature Reserve Broxtowe Borough Council Southern boundary Westerman Homes as part of Field Farm Development	Area adjacent to brook within Pit Lane Recreation Area maintained by Broxtowe Borough Council Parks team. At the time of the inspection in late August water flow running well. This section on both sides of the brook is covered by a Willow tree canopy, with many	Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Vegetation clearance and tree limbs to be cleared as necessary and sensitively to

Name of Brook	Boundary Brook (Sections 6,7 and 8 are classed as a Main River and are the responsibility of the Environment Agency to manage)		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		trunks/ branches within the brook. Evidence that this natural habitat has been like this for many years. This helps to slow the flow of water further downstream and is environmentally beneficial.	make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation. Inspect after storm/flooding conditions.
Section 4 CH 1153 – CH 1516 Northern side end of Pit Lane Recreation Area to Trowell Road	Northern side – Westerman Homes Southern boundary Westerman Homes as part of Field Farm Development	At time of inspection in late August water flow running well.CH 1153 to CH 1221 brook covered in vegetation and needs attention.CH 1221 to CH 1516 both sides of brook are well maintained.	Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Vegetation to be cleared as necessary to make sure there is no adverse flooding risk associated with excessive vegetation. Inspect after storm/flooding conditions.
Section 5 CH 1516 - CH 1527	Nottinghamshire County Council Culvert	Culvert runs under Trowell Road	Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to continue to be proactive and bring any problems to

Name of Brook	Boundary Brook (Sections 6,7 and 8 are classed as a Main River and are the responsibility of the Environment Agency to manage)		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
			Nottinghamshire County Council's attention
Section 6 CH 1527 to CH 1849 both sides private housing	Riparian ownership with private housing either side. Management responsibility is Environment Agency	All flowing well at time of visit in late August. Environment Agency have in the past concreted/ boarded up the banks of the brook due to erosion. Culvert at Trowell Park Drive within housing estate is flowing well. Certain areas of the bank walls are being undermined by the water flow.	Liaise with Environment Agency and landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Work with Environment Agency as this section has a history of flooding.
Section 7 CH 1849 to CH 1937 Trowell Park Open Space	Broxtowe Borough Council Open space on North/West boundary. South/East Boundary Riparian Ownership Management responsibility is Environment Agency	Open space maintained by Broxtowe Borough Council Parks team	Broxtowe Borough Council to be proactive with a routine inspection regime and liaise with the Environment Agency to minimise any flood risk. Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 8	Private land Riparian Ownership	Brook runs along private land and is edged with vegetation.	Liaise with Environment Agency and landowners and

Name of Brook	Boundary Brook (Sections 6,7 and 8 are classed as a Main River and are the responsibility of the Environment Agency to manage)		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
CH1937 from edge of residential area to CH 2359 River Erewash	Management responsibility is Environment Agency	At time visit in late august water running freely	make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate

Name of Brook	Moorbridge Lane to Mill Lane, Stapleford		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 to CH 203	Landowner of farmer's field to the west of the watercourse riparian ownership. East side of brook is riparian ownership with a section of verge at the side of Hartwood Drive to Moorbridge Lane.	This section of the brook has recently been cleared and re-shaped by a contractor employed by the landowner to the west of the brook. A good job undertaken on the brook but surrounding areas left in a mess.	Given its significance in controlling potential flood risk Broxtowe Borough Council to inspect on a 6 monthly basis and advise Nottinghamshire County Council of findings. Correspond with landowners and make aware of their responsibilities to keep the brook clear and undertaken vegetation removal and litter/rubbish clearance as appropriate.
Section 2 CH203 to CH 218 Moorbridge Lane	Nottinghamshire County Council asset culvert (5509C)	Culvert under Moorbridge Lane. Two stone arches. Water sitting at 50% of capacity. This section of the	Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to

Name of Brook		Moorbridge Lane to Mill Lane, Stapleford	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		brook is very flat and water stands in the watercourse.	continue to be proactive and bring any problems to Nottinghamshire County Council's attention.
Section 3 CH218 to CH 229 Short section of Highway Verge adjacent to Moorbridge Lane	Nottinghamshire County Council	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum.	Given its significance in controlling potential flood risk Broxtowe Borough Council to inspect on a 6 monthly basis and advise Nottinghamshire County Council of findings. Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to continue to be proactive and bring any problems to Nottinghamshire County Council's attention.
CH 229 – CH 271	To the west of the brook landowner/farmer's field riparian ownership. To the east is Moorbridge Lane Community Hall		Correspond with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate
Section 4 CH 271 – CH 339	To the west of the brook landowner/farmer's field riparian ownership.		Correspond with landowner and make them aware of their responsibilities to keep the brook clear and undertake

Name of Brook		Moorbridge Lane to Mill Lane, Stapleford	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
	To the east is Broxtowe Borough Council New Road Industrial Estate	Maintained by Broxtowe Borough Council and is inspected 6 monthly. Vegetation cleared and rubbish removed.	vegetation/debris removal as appropriate. Continue with existing inspection regime and inspect after storm/flooding conditions. Vegetation clearance and any tree limbs to be cleared as necessary sensitively to make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation.
Section 5 CH 339 – CH 465	To the west of the brook landowner/farmer's field riparian ownership. To the east Pasture Road Recreation Ground maintained by Broxtowe Borough Council	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum. Maintained by Broxtowe Borough Council annually and vegetation removal required on a regular basis. Watercourse is flat and does not flow easily.	Correspond with landowner and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate. Inspection regime to be increased to 6 monthly and inspected after storm/flooding conditions. Vegetation clearance and any tree limbs to be cleared as necessary and sensitively to

Name of Brook		Moorbridge Lane to Mill Lane, Stapleford	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
			make sure there is not adverse flooding risk associated with fallen limbs and excessive vegetation.
Section 6 CH 465 – CH 608	To the west of the brook landowner/farmer's field riparian ownership.	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum.	Correspond with landowner and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate.
	To the east Broxtowe Borough Council housing land to the rear of properties on Peatfield Road	Maintained by Broxtowe Borough Council annually and vegetation removal required on a regular basis. This is a low level watercourse with permanent standing water.	Liaise with the Housing Section and set up 6 monthly inspection regime. Inspect after storm/flooding conditions. Important to keep the brook clear and undertake vegetation/debris removal as appropriate. Vegetation clearance and any tree limbs to be cleared as necessary and sensitively to make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation.
Section 7 CH 608 – CH 732	To the west of the brook landowner/farmer's field riparian ownership.	Brook is edged with trees and shrubbery. Vegetation removal monitored to help	Correspond with landowner and make them aware of their responsibilities to keep the

Name of Brook	Moorbridge Lane to Mill Lane, Stapleford		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
	To the east of the watercourse the area is owned by Stapleford Town Council. This area is an allotment site.	keep the flood risk to a minimum. Watercourse edged with trees and vegetation. Unable to enter site on date of site visit in September 2020.	brook clear and undertake vegetation/debris removal as appropriate. Arrange meeting with Town Council to inspect site and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate.
Section 8 CH 732 – CH 832	To the west of the brook landowner/farmer's field riparian ownership. To the east Broxtowe Borough Council are riparian owners of these Council Housing properties.	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum. Maintained by Broxtowe Borough Council annually and vegetation removal required constantly. This is a low level watercourse with permanent standing water.	Correspond with landowner and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate. Liaise with the Housing Section and continued with existing inspection regime and inspect after storm/flooding conditions. Important to keep the brook clear and undertake vegetation/debris removal as appropriate. Vegetation clearance and any tree limbs to be cleared as necessary and sensitively to

Name of Brook	Moorbridge Lane to Mill Lane, Stapleford		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
			make sure there is not adverse flooding risk associated with fallen limbs and excessive vegetation.
Section 9 CH 832 – CH 990	To the west of the brook landowner/farmer's field Riparian Ownership. To the East in Riparian Ownership	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum. Historically this has been a problem area with litter and dumping and the Council has cleared it out. At the time of the inspection in September 2020 it was clear.	Correspond with landowners on both sides of brook and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate. Set up a 6 monthly inspection regime to make sure necessary works are being undertaken

Report of the Strategic Director

MANAGEMENT OF BROOKS1. Purpose of report

To update members on the ownership and maintenance responsibilities relating to the major brooks in Broxtowe, together with any issues identified following detailed inspection of each of the routes.

2. Background

There are 6 major brooks in the Borough:
Nether Green Brook, Eastwood
Beauvale Brook, Eastwood
Dairy Farm Brook, Giltbrook
Brinsley Brook, Brinsley
Boundary Brook, Stapleford
Moorbridge Lane to Mill Road, Stapleford

Each one is unique with differing ownerships and site specific maintenance issues. Each brook has been inspected during Summer or early Autumn 2020 and an assessment made of the condition, works required and responsibility either side of the bank. The report makes reference to ownership of the land adjacent to the brook. In many cases this is referenced as riparian ownership in terms of responsibility. A riparian owner is anyone who owns a property where there is a watercourse within or adjacent to the boundaries of their property. A watercourse includes a river, brook stream or ditch. Further detail on the site assessments is provided in the Appendix together with plans of the 6 brooks which also identify the land in Broxtowe Borough Council ownership.

In compiling this report officers have liaised with Nottinghamshire County Council as the lead local Flood Authority (LLFA) and meetings held on site to assess priorities. It has been agreed to have a regular 6 monthly meeting with the relevant officers to provide an update on issues that are identified through the inspection process. Further meetings will be arranged with the Environment Agency in their role providing a strategic overview of all sources of flooding and in particular with their management responsibility for sections of the Boundary Brook at Stapleford.

3. Financial implications

The current budget for maintaining the various drainage ditches, water courses and brooks that this Council is responsible for is £30,000. Demand on this budget can vary annually depending on ground and weather conditions but there are key works that take place annually which are funded from this budget.

Recommendation

The Committee is asked to NOTE the report.

Background papers

Nil

Site Assessments Summer/Autumn 2020

Each of the brooks were assessed over the summer/early autumn with the routes walked and issues identified. The table below breaks each brook into a series of sections to identify ownership, existing works and issues identified and proposed actions.

Name of Brook		Nether Green	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 Northern side A610 to CH 294 boundary to Broxtowe Borough Council	New industrial Units off A610	Unable to gain access at time of visit. No known problems on this section	Contact land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate
CH 000 Southern side A610 to Broxtowe Borough Council boundary of Hall Park Nature Reserve.	Mushroom Farm Industrial Units –Broxtowe Borough Council	Unable to gain access at time of visit. No known problems on this section	Contact land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate
Section 2 CH 294 Northern side from Mushroom Farm boundary to boundary with Eastwood Hall CH 742	New industrial Units off A610	High retaining wall with low wetland area adjacent to brook. Tree lined with older limbs falling towards the brook	Monitor to make sure there is no adverse flood risk associated with fallen limbs
CH 294 Southern side from start of Broxtowe Borough Council boundary to CH 742	Broxtowe Borough Council Hall Park	Tree lined copse area, provides shade conditions, with mature limbs growing towards the brook which creates a natural habitat. Reasonable height between water level and tree branches.	. Continue with existing inspection and cleansing regime and inspect after storm/flooding conditions

Name of Brook		Nether Green	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		Vegetation is in abundance creating a natural barrier between parkland and brook. This section of the brook is inspected by drainage contractor every 6 months for any obstructions or debris within the brook. Issues highlighted and any clearance works actioned as necessary	Vegetation clearance and tree limbs need to be cleared as necessary and sensitively to make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation
Section 3 CH 742 Northern side Eastwood Hall boundary to end of Broxtowe Borough Council ownership CH 1023	Eastwood Hall	Tree lined copse area, provides shade conditions, with mature limbs growing towards the brook which creates a natural habitat. Reasonable height between water level and tree branches.	Correspond with Eastwood Hall as necessary and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Owners have previously worked with the Council to clear this section.
CH 742 Southern side Broxtowe Borough Council ownership to boundary of private property CH 1023	Broxtowe Borough Council Hall Park	Both sides of the brook are tree lined and the area is open and made up of mature trees creating a canopy. A number of tree limbs have fallen towards the brook which creates a natural habitat, reasonable height between water level and tree branches.	Continue with existing inspection and cleansing regime and inspect after storm/flooding conditions. Vegetation clearance and tree limbs to be cleared as necessary and sensitively to

Name of Brook		Nether Green	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		Vegetation is in abundance creating a natural barrier between parkland and brook. This section of the brook is inspected by drainage contractor every 6 months for any obstructions or debris within the brook. Issues highlighted and any clearance works actioned as necessary.	make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation
Section 4 CH 1023 Northern side Eastwood Hall to Mansfield Road Eastwood	Eastwood Hall	Tree lined copse area, provides shade conditions, with mature limbs growing towards the brook which creates a natural habitat. Reasonable height between water level and tree branches.	Correspond with Eastwood Hall as necessary and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Owners have previously worked with the Council to clear this section.
CH 1023 Southern side from Broxtowe Borough Council ownership boundary to Mansfield Road Eastwood	Riparian Ownership, property on Mansfield Road	Some debris in brook at this point	Correspond with land owners as necessary and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 5 CH 1089 Mansfield Road culvert	Nottinghamshire County Council	This culvert under Mansfield Road is a key asset in controlling flood risk upstream.	Given its significance in controlling potential flood risk Broxtowe Borough Council to

Name of Brook		Nether Green	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		Inspection of grillage and flap valve regime responsibility of Nottinghamshire County Council. Clear at time of visit in August 2020	inspect on a 6 monthly basis and advise Nottinghamshire County Council of findings.

Name of Brook		Beauvale Brook	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 to CH 1106 Moorgreen Reservoir to start of housing	Riparian Ownership on both sides	Brook runs through a variety of sections of open land and is culverted in parts. No issues identified	Correspond with land owners as necessary and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal as appropriate
Section 2 CH 1106 Open land to the western side. On eastern side housing to CH 1640 at Bridleway 4	Riparian Ownership on both sides	Western section open land brook edged with trees and vegetation. No easy access to brook. Eastern side brook runs along the rear of residents gardens. At BW4 bridge at time of inspection in late August the brook was running well. Some rubbish and debris in brook but not affecting the flow of the water	Correspond with land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 3 CH 1640 to CH 3043	Northern boundary	Northern section open land. Brook edged with trees and	Greasley Parish Council are responsible for the

Name of Brook		Beauvale Brook	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
From Bridleway 4 to start of Eastwood cricket ground boundary	Greasley Parish Council and Riparian Ownership Southern boundary Riparian Ownership with a short section Greasley Parish Council	vegetation. From CH 2919 to cricket ground boundary on the northern side is owned by Greasley Parish Council. Southern side brook runs at the bottom of residents gardens and a small section in open land. Brook edged with natural vegetation. Water flowing well at time of inspection in late August	maintenance of part of this section. Continue to work with the Parish Council making them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Correspond with land owners on both north and south boundaries and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 4 CH 3043 to CH 3183 Start of Eastwood cricket ground to boundary of private housing	Broxtowe Borough Council Eastwood cricket ground Riparian Ownership Nottinghamshire County Council	Northern side is maintained by Broxtowe Borough Council. Vegetation is cleared back annually. Work done sensitively to protect this important habitat. Grillage at boundary maintained by Broxtowe Borough Council. Southern side brook runs at the rear of residents gardens and a small section is within	Continue with existing inspection and cleansing regime and inspect after storm/flooding conditions Correspond with land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.

Name of Brook	Beauvale Brook		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		the cricket ground maintained by Broxtowe Borough Council. Flap valves along the brook are maintained by Nottinghamshire County Council.	Work with Nottinghamshire County Council on a regular inspection regime to keep flap valves maintained. Broxtowe Borough Council continue to be proactive and bring any problems to Nottinghamshire County Council attention.
Section 5 CH 3183 to CH 3671 From boundary of Eastwood cricket ground to Mansfield Road	Riparian Ownership Broxtowe Borough Council responsible for small pockets of land Nottinghamshire County Council	This whole section runs between residential properties on both sides of the brook. There are small pockets of land that Broxtowe Borough Council own and a number of flap valves that Nottinghamshire County Council maintain due to Highway run off from roads on the north side of the brook.	Correspond with land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Work with Nottinghamshire County Council on a regular inspection regime to keep flap valves maintained. Broxtowe Borough Council continue to be proactive and bring any problems to Nottinghamshire County Council attention.

Name of Brook		Daisy Farm Brook	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 from start of brook after culvert to CH 165 Smithurst Road	Broxtowe Borough Council Smithurst Road Open Space Local Nature Reserve	Both sides of the brook are edged with trees/shrubs and vegetation. Presently inspected on a 6 monthly basis by drainage contractor for any obstructions or debris. Part of the Smithurst Road Open Space Local Nature Reserve. Many inlet pipes feed into the watercourse. Some pollution evident.	Vegetation to be cleared back sensitively given Nature Reserve status every 6 months. Litter/debris clean up every 3 months. Monitor any pollution entering the brook as part of 3 monthly clean up and report to Environment Agency.
Section 2 CH 165 to CH 177 Smithurst Road Newthorpe	Nottinghamshire County Council	Culvert under Smithurst Road. Has two inlet pipes bringing in surface and highway drainage. Grillages are often blocked with debris and need attention.	Continue to work with NCC and establish a set maintenance regime. BBC to continue to be proactive and bring any problems to NCC attention. Add to existing inspection regime
Section 3 CH 177 From end of culvert to boundary of Broxtowe Borough Council ownership CH 217	Eastern boundary Broxtowe Borough Council Western boundary riparian ownership	Brook is edged with trees/shrubs and vegetation. At time of visit in August 2020 this section was flowing well.	Correspond with land owners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 4 CH 217 From southern boundary of Broxtowe	Riparian Ownership with housing either side	Brook is edged with trees/shrubs and vegetation.	Correspond with land owners and make them aware of their responsibilities to keep the

Name of Brook	Daisy Farm Brook		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Borough Council Open Space to new balancing pond off Davenport Drive		At time of visit in August 2020 this section was flowing well.	brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 5 CH 280 Western side from private property Broxtowe Borough Council ownership to CH 325 end of Broxtowe Borough Council ownership Eastern side private property as part of new housing development	Broxtowe Borough Council Riparian ownership Nottinghamshire County Council	Side of the brook is edged with trees/shrubs and vegetation. Part of the Smithurst Road Local Nature Reserve. Presently inspected on a 6 monthly basis by drainage contractor for any obstructions or debris. At CH 280 there is a Surface Water Drain from a westerly direction which is taking highway and surface water.	Vegetation to be cleared back sensitively given Local Nature Reserve status every 6 months. Litter/debris clean up every 3 months. Work with Nottinghamshire County Council on a regular inspection regime to keep culvert and grillages clear
Section 6 CH 325 to CH 371 Nottinghamshire County Council structure (5215C) taking surface water under the A610	Nottinghamshire County Council	Concrete culvert and drainage feature with grillage prior to taking water into culvert under the A610.	Susceptible to silting up. Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to continue to be proactive and bring any problems to Nottinghamshire County Council attention.

Name of Brook		Brinsley Brook	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 Boundary Broxtowe Borough Council/Ashfield Borough Council to bottom of meadow at Brinsley Headstocks CH508	Riparian Ownership and part Nottinghamshire County Council	Nottinghamshire County Council maintain a section of this brook with highway surface water run-off from A608. Section to west of brook forms part of the planning application to construct 115 dwellings on the site.	Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to be proactive and bring any problems to Nottinghamshire County Council attention. Correspond with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Work with planners to ensure proposals for any new development include ongoing maintenance responsibilities for the brook
Section 2 CH 508 Brinsley Headstocks Local Nature Reserve to CH 1108	Broxtowe Borough Council Brinsley Headstocks	Brook runs through the Local Nature Reserve and is edged with a mixture of trees, shrubs and vegetation. There are a number of footbridges over the brook. Brook is inspected by drainage contractor every 6 months for any obstructions or debris within the brook. Issues highlighted and any	Vegetation to be cleared back sensitively given Local Nature Reserve status every 6 months. Continue with existing inspection and cleansing regime and inspect after storm/flooding conditions

		clearance works actioned as necessary.	
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Name of Brook	Brinsley Brook		
Section 3 From CH 1108 boundary of Brinsley Headstocks to CH 2186 Nottinghamshire County Council grillage	Riparian Ownership	Brook runs at the back of houses on western side and farmer's fields to the east. Some properties on this section have experienced flooding in their gardens. Part of the brook is obstructed by tree trunks which could impact on the flow of any flood water.	Correspond with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 4 From Nottinghamshire County Council grillage at CH 2186 to CH 2303 where the Brinsley Brook joins Beauvale Brook.	Riparian Ownership	Brook runs at the bottom of residents gardens on both sides which cannot be accessed for detailed assessment On Coach Drive there is a viewing point which shows that the brook is edged with trees and vegetation along with some debris.	Correspond with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.

Name of Brook	Boundary Brook (Sections 6,7 and 8 are classed as a Main River and are the responsibility of the Environment Agency to manage)		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 Ch 000 Nottingham Canal culvert to CH 383 boundary of Pit Lane Local Nature Reserve	Private farm land	Culvert under the canal at CH 000 was dry and clear of debris on day of site visit in late August. Brook runs through farm land to boundary of Pit Lane Recreation Area.	Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate .
Section 2 Northern side is private land to CH 383. Southern boundary includes part of Stapleford Hill Local Nature Reserve and land proposed for housing	BBC Private farm land on Northern boundary forms part of proposed Field Farm Development Broxtowe Borough Council	Both sides of the brook are overgrown making site inspection extremely difficult. From CH 673 to CH 703 watercourse runs through Stapleford Hill Woodland and is edged with trees, shrubs and vegetation. At the time of the inspection in late August water flow running well although some vegetation clearance would be beneficial	Make the Environment Agency aware of any obstructions along the brook and work with them in a proactive and sensitive way. Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 3 CH 703 –CH 1153 Northern side Pit Lane Recreation Area Local Nature Reserve. Southern boundary forms part of Field Farm development	Northern side Pit Lane Recreation Area Local Nature Reserve Broxtowe Borough Council Southern boundary Westerman Homes as part of Field Farm Development	Area adjacent to brook within Pit Lane Recreation Area maintained by Broxtowe Borough Council Parks team. At the time of the inspection in late August water flow running well. This section on both sides of the brook is covered by a Willow tree canopy, with many	Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Vegetation clearance and tree limbs to be cleared as necessary and sensitively to

Name of Brook	Boundary Brook (Sections 6,7 and 8 are classed as a Main River and are the responsibility of the Environment Agency to manage)		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		trunks/ branches within the brook. Evidence that this natural habitat has been like this for many years. This helps to slow the flow of water further downstream and is environmentally beneficial.	make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation. Inspect after storm/flooding conditions.
Section 4 CH 1153 – CH 1516 Northern side end of Pit Lane Recreation Area to Trowell Road	Northern side – Westerman Homes Southern boundary Westerman Homes as part of Field Farm Development	At time of inspection in late August water flow running well.CH 1153 to CH 1221 brook covered in vegetation and needs attention.CH 1221 to CH 1516 both sides of brook are well maintained.	Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Vegetation to be cleared as necessary to make sure there is no adverse flooding risk associated with excessive vegetation. Inspect after storm/flooding conditions.
Section 5 CH 1516 - CH 1527	Nottinghamshire County Council Culvert	Culvert runs under Trowell Road	Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to continue to be proactive and bring any problems to

Name of Brook	Boundary Brook (Sections 6,7 and 8 are classed as a Main River and are the responsibility of the Environment Agency to manage)		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
			Nottinghamshire County Council's attention
Section 6 CH 1527 to CH 1849 both sides private housing	Riparian ownership with private housing either side. Management responsibility is Environment Agency	All flowing well at time of visit in late August. Environment Agency have in the past concreted/ boarded up the banks of the brook due to erosion. Culvert at Trowell Park Drive within housing estate is flowing well. Certain areas of the bank walls are being undermined by the water flow.	Liaise with Environment Agency and landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate. Work with Environment Agency as this section has a history of flooding.
Section 7 CH 1849 to CH 1937 Trowell Park Open Space	Broxtowe Borough Council Open space on North/West boundary. South/East Boundary Riparian Ownership Management responsibility is Environment Agency	Open space maintained by Broxtowe Borough Council Parks team	Broxtowe Borough Council to be proactive with a routine inspection regime and liaise with the Environment Agency to minimise any flood risk. Liaise with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate.
Section 8	Private land Riparian Ownership	Brook runs along private land and is edged with vegetation.	Liaise with Environment Agency and landowners and

Name of Brook	Boundary Brook (Sections 6,7 and 8 are classed as a Main River and are the responsibility of the Environment Agency to manage)		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
CH1937 from edge of residential area to CH 2359 River Erewash	Management responsibility is Environment Agency	At time visit in late august water running freely	make them aware of their responsibilities to keep the brook clear and undertake vegetation removal and litter/rubbish clearance as appropriate

Name of Brook	Moorbridge Lane to Mill Lane, Stapleford		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
Section 1 CH 000 to CH 203	Landowner of farmer's field to the west of the watercourse riparian ownership. East side of brook is riparian ownership with a section of verge at the side of Hartwood Drive to Moorbridge Lane.	This section of the brook has recently been cleared and re-shaped by a contractor employed by the landowner to the west of the brook. A good job undertaken on the brook but surrounding areas left in a mess.	Given its significance in controlling potential flood risk Broxtowe Borough Council to inspect on a 6 monthly basis and advise Nottinghamshire County Council of findings. Correspond with landowners and make aware of their responsibilities to keep the brook clear and undertaken vegetation removal and litter/rubbish clearance as appropriate.
Section 2 CH203 to CH 218 Moorbridge Lane	Nottinghamshire County Council asset culvert (5509C)	Culvert under Moorbridge Lane. Two stone arches. Water sitting at 50% of capacity. This section of the	Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to

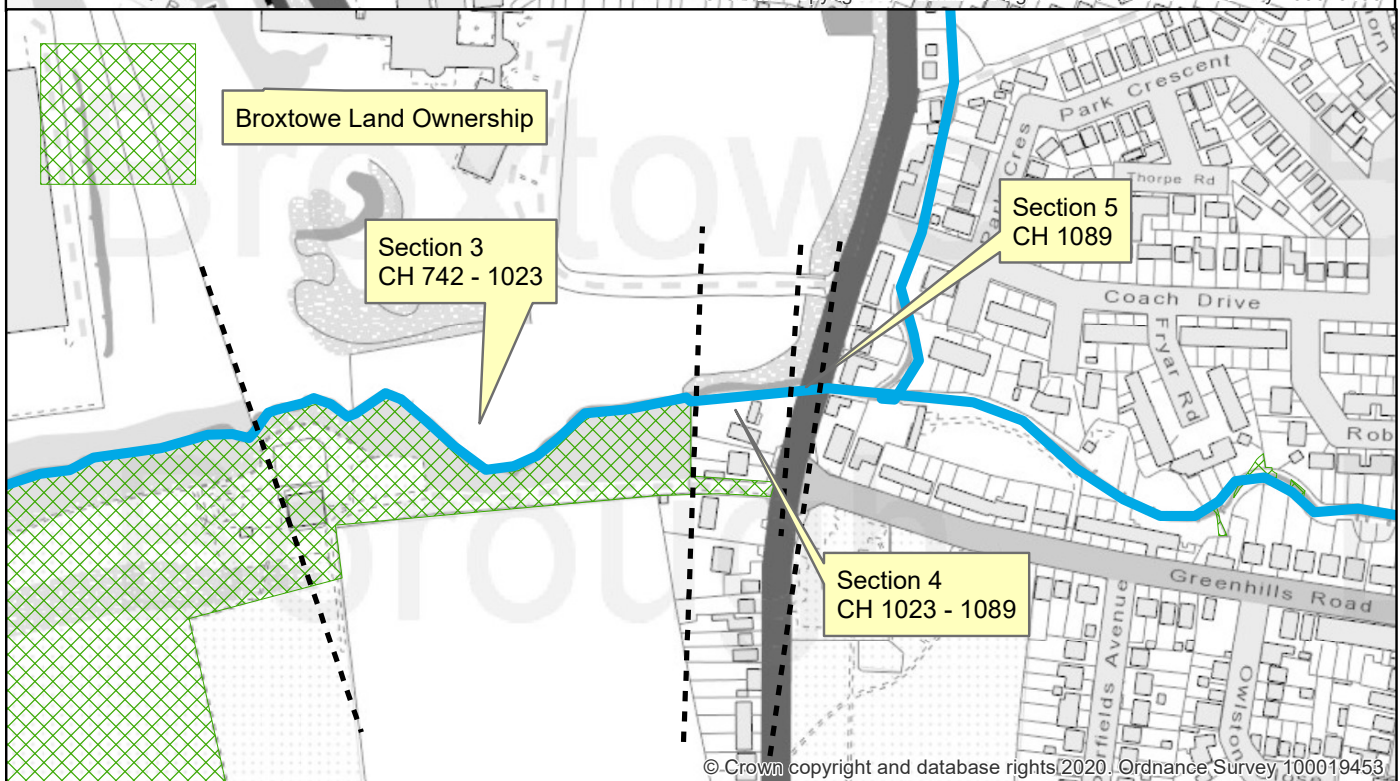
Name of Brook		Moorbridge Lane to Mill Lane, Stapleford	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
		brook is very flat and water stands in the watercourse.	continue to be proactive and bring any problems to Nottinghamshire County Council's attention.
Section 3 CH218 to CH 229 Short section of Highway Verge adjacent to Moorbridge Lane	Nottinghamshire County Council	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum.	Given its significance in controlling potential flood risk Broxtowe Borough Council to inspect on a 6 monthly basis and advise Nottinghamshire County Council of findings. Continue to work with Nottinghamshire County Council and establish a set maintenance regime. Broxtowe Borough Council to continue to be proactive and bring any problems to Nottinghamshire County Council's attention.
CH 229 – CH 271	To the west of the brook landowner/farmer's field riparian ownership. To the east is Moorbridge Lane Community Hall		Correspond with landowners and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate
Section 4 CH 271 – CH 339	To the west of the brook landowner/farmer's field riparian ownership.		Correspond with landowner and make them aware of their responsibilities to keep the brook clear and undertake

Name of Brook	Moorbridge Lane to Mill Lane, Stapleford		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
	To the east is Broxtowe Borough Council New Road Industrial Estate	Maintained by Broxtowe Borough Council and is inspected 6 monthly. Vegetation cleared and rubbish removed.	vegetation/debris removal as appropriate. Continue with existing inspection regime and inspect after storm/flooding conditions. Vegetation clearance and any tree limbs to be cleared as necessary sensitively to make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation.
Section 5 CH 339 – CH 465	To the west of the brook landowner/farmer's field riparian ownership. To the east Pasture Road Recreation Ground maintained by Broxtowe Borough Council	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum. Maintained by Broxtowe Borough Council annually and vegetation removal required on a regular basis. Watercourse is flat and does not flow easily.	Correspond with landowner and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate. Inspection regime to be increased to 6 monthly and inspected after storm/flooding conditions. Vegetation clearance and any tree limbs to be cleared as necessary and sensitively to

Name of Brook		Moorbridge Lane to Mill Lane, Stapleford	
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
			make sure there is not adverse flooding risk associated with fallen limbs and excessive vegetation.
Section 6 CH 465 – CH 608	To the west of the brook landowner/farmer's field riparian ownership.	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum.	Correspond with landowner and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate.
	To the east Broxtowe Borough Council housing land to the rear of properties on Peatfield Road	Maintained by Broxtowe Borough Council annually and vegetation removal required on a regular basis. This is a low level watercourse with permanent standing water.	Liaise with the Housing Section and set up 6 monthly inspection regime. Inspect after storm/flooding conditions. Important to keep the brook clear and undertake vegetation/debris removal as appropriate. Vegetation clearance and any tree limbs to be cleared as necessary and sensitively to make sure there is no adverse flooding risk associated with fallen limbs and excessive vegetation.
Section 7 CH 608 – CH 732	To the west of the brook landowner/farmer's field riparian ownership.	Brook is edged with trees and shrubbery. Vegetation removal monitored to help	Correspond with landowner and make them aware of their responsibilities to keep the

Name of Brook	Moorbridge Lane to Mill Lane, Stapleford		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
	To the east of the watercourse the area is owned by Stapleford Town Council. This area is an allotment site.	keep the flood risk to a minimum. Watercourse edged with trees and vegetation. Unable to enter site on date of site visit in September 2020.	brook clear and undertake vegetation/debris removal as appropriate. Arrange meeting with Town Council to inspect site and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate.
Section 8 CH 732 – CH 832	To the west of the brook landowner/farmer's field riparian ownership. To the east Broxtowe Borough Council are riparian owners of these Council Housing properties.	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum. Maintained by Broxtowe Borough Council annually and vegetation removal required constantly. This is a low level watercourse with permanent standing water.	Correspond with landowner and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate. Liaise with the Housing Section and continued with existing inspection regime and inspect after storm/flooding conditions. Important to keep the brook clear and undertake vegetation/debris removal as appropriate. Vegetation clearance and any tree limbs to be cleared as necessary and sensitively to

Name of Brook	Moorbridge Lane to Mill Lane, Stapleford		
Section Description	Ownership	Existing Works and Issues Identified	Proposed Actions
			make sure there is not adverse flooding risk associated with fallen limbs and excessive vegetation.
Section 9 CH 832 – CH 990	To the west of the brook landowner/farmer's field Riparian Ownership. To the East in Riparian Ownership	Brook is edged with trees and shrubbery. Vegetation removal monitored to help keep the flood risk to a minimum. Historically this has been a problem area with litter and dumping and the Council has cleared it out. At the time of the inspection in September 2020 it was clear.	Correspond with landowners on both sides of brook and make them aware of their responsibilities to keep the brook clear and undertake vegetation/debris removal as appropriate. Set up a 6 monthly inspection regime to make sure necessary works are being undertaken



Broxtowe
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Management of Brook Nether Green Brook Eastwood

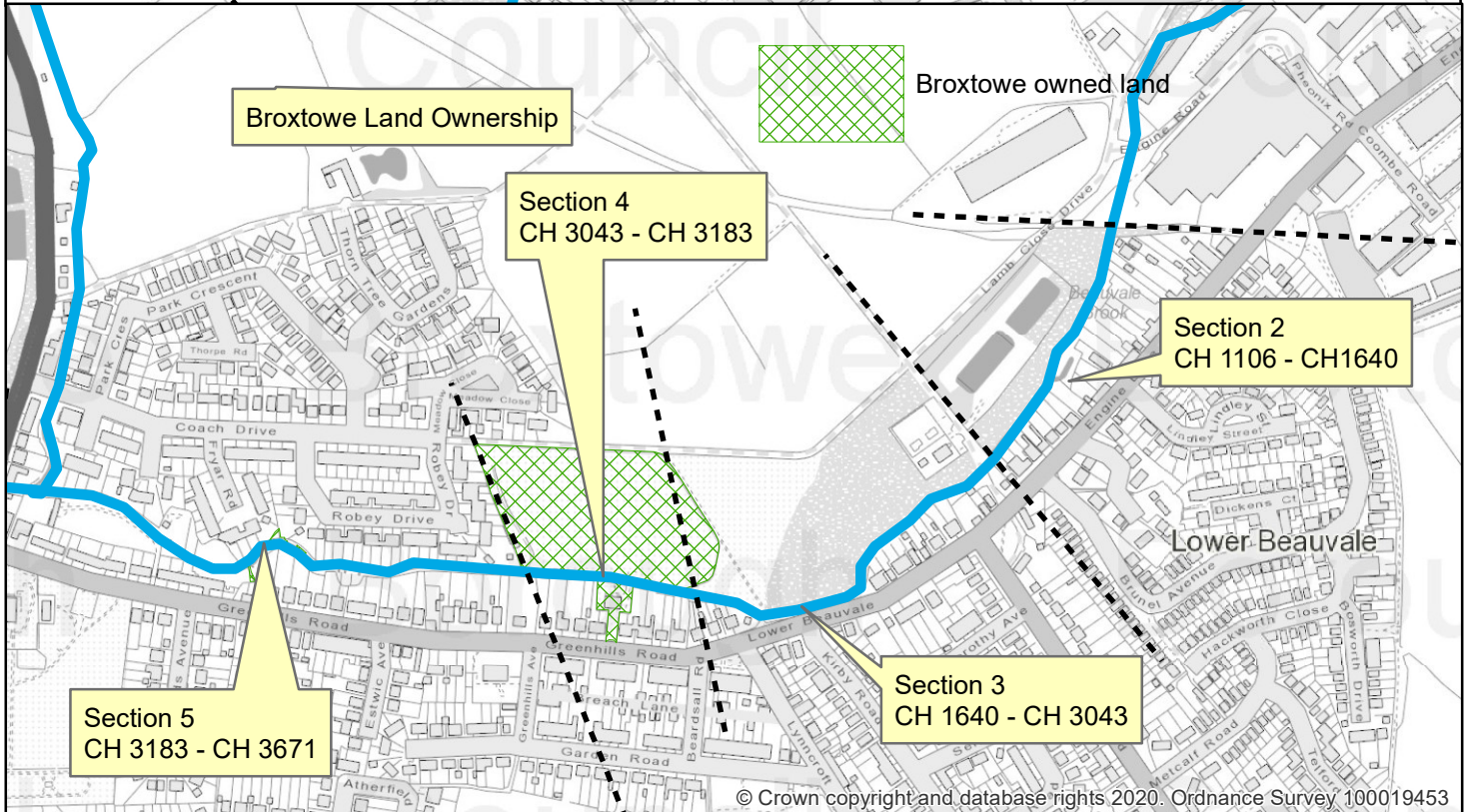
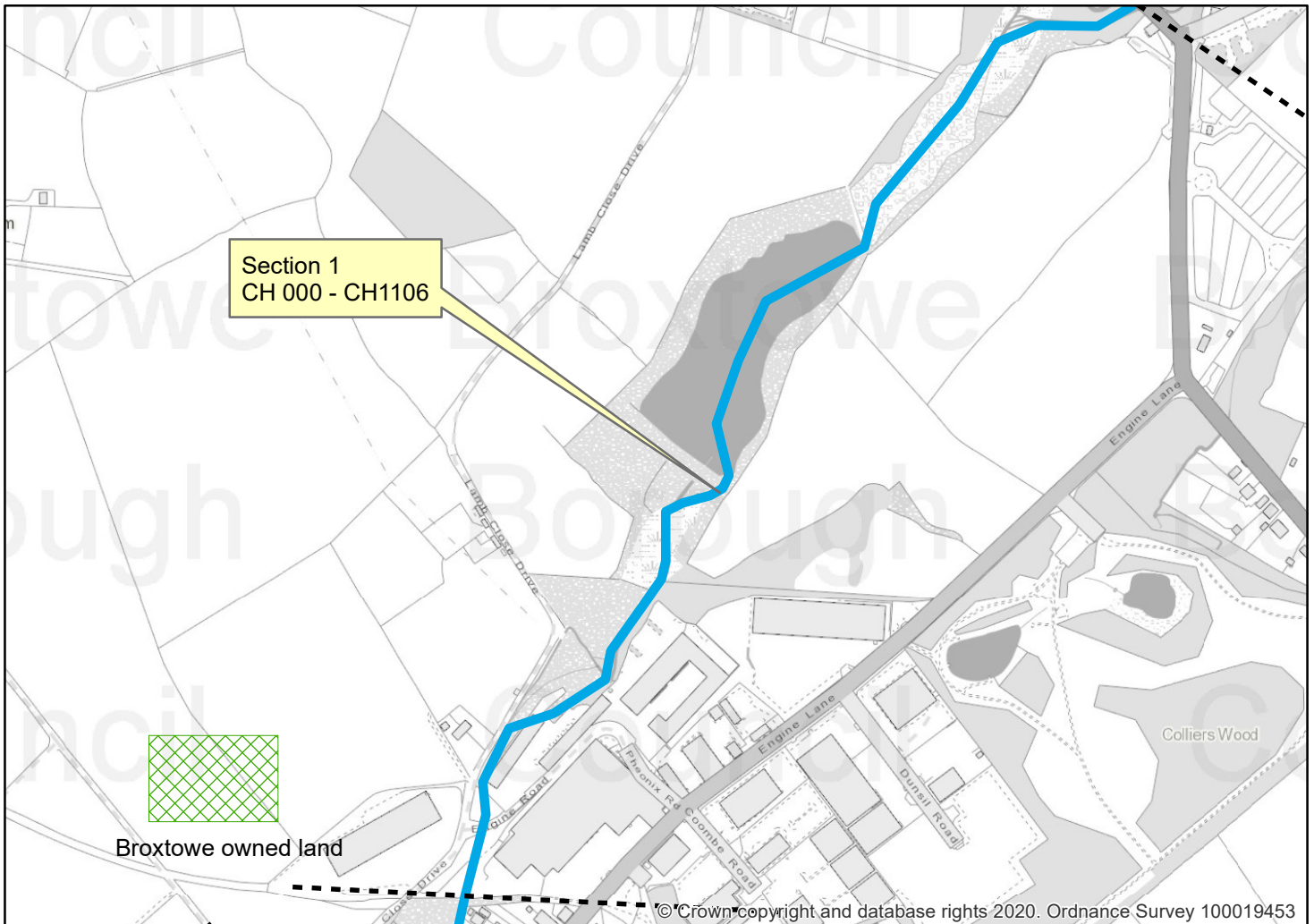
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Kimberley, Nottingham NG16 2HX
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Management of Brook Beauvale Brook Eastwood

Numbered sections with chainages

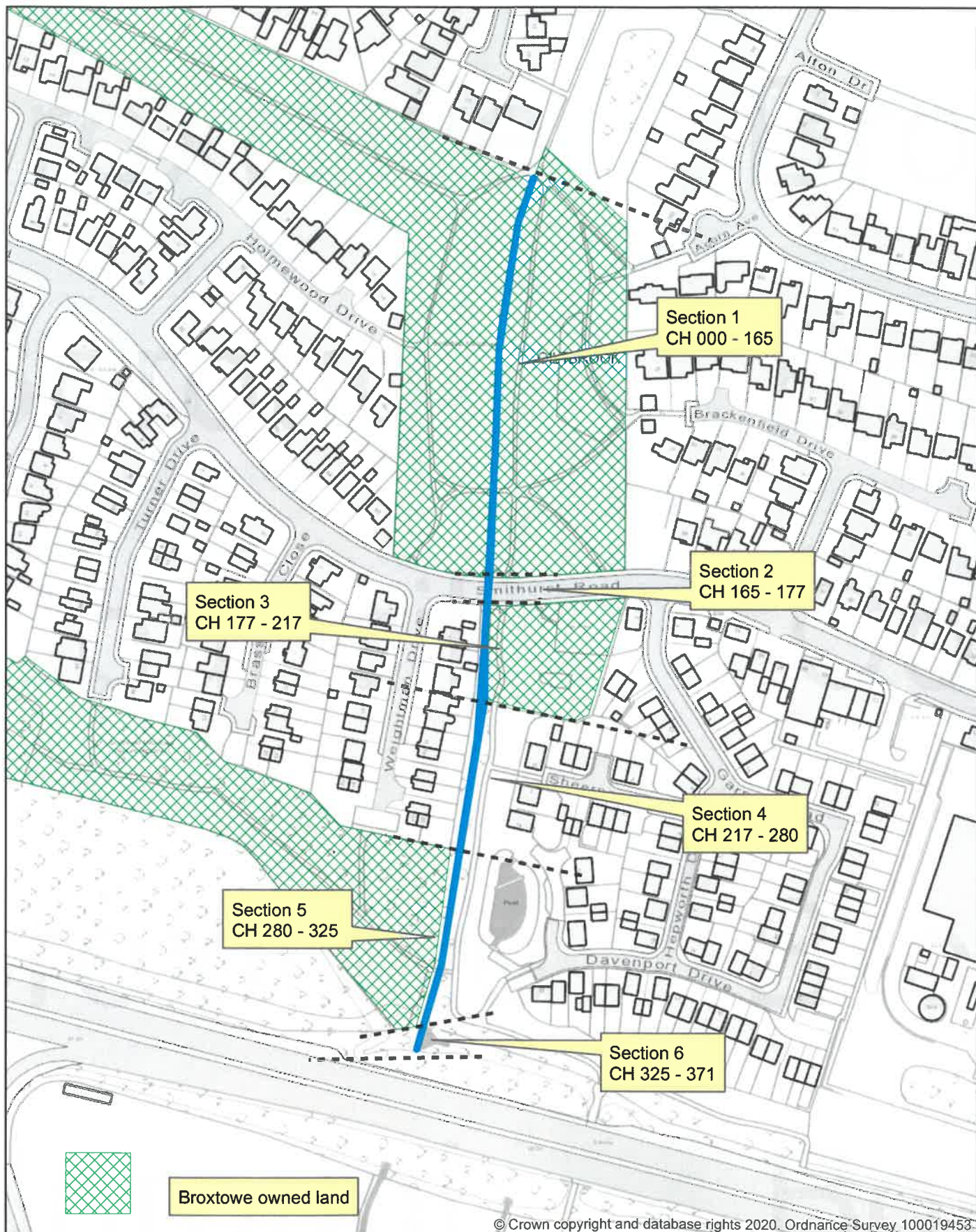
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**Broxtowe
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Management of Brook
Daisy Farm Brook Giltbrook

Numbered sections with chainages

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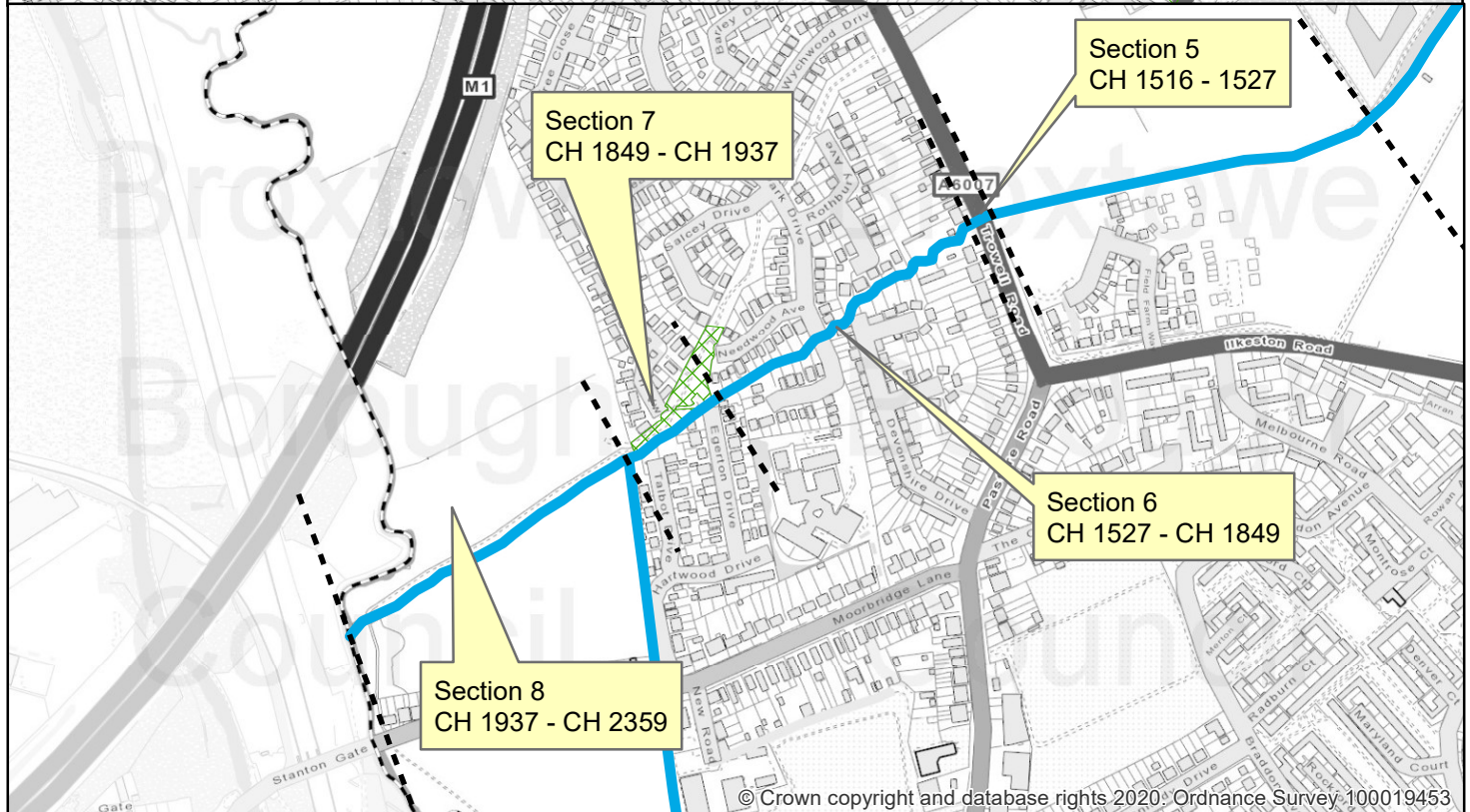
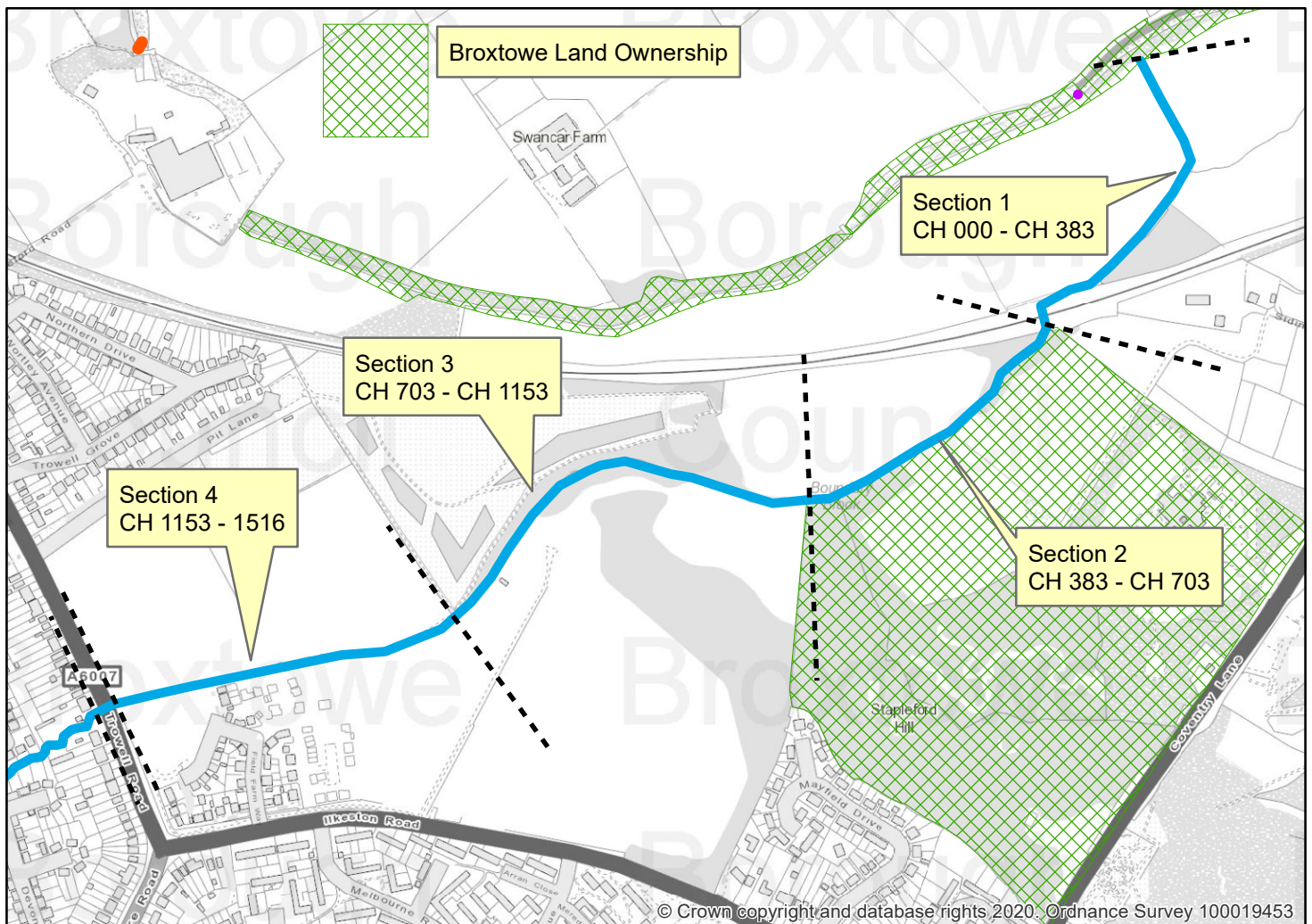
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Management of Brook Brinsley Brook Brinsley

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Management of Brook Boundary Brook Stapleford

Numbered sections with chainages

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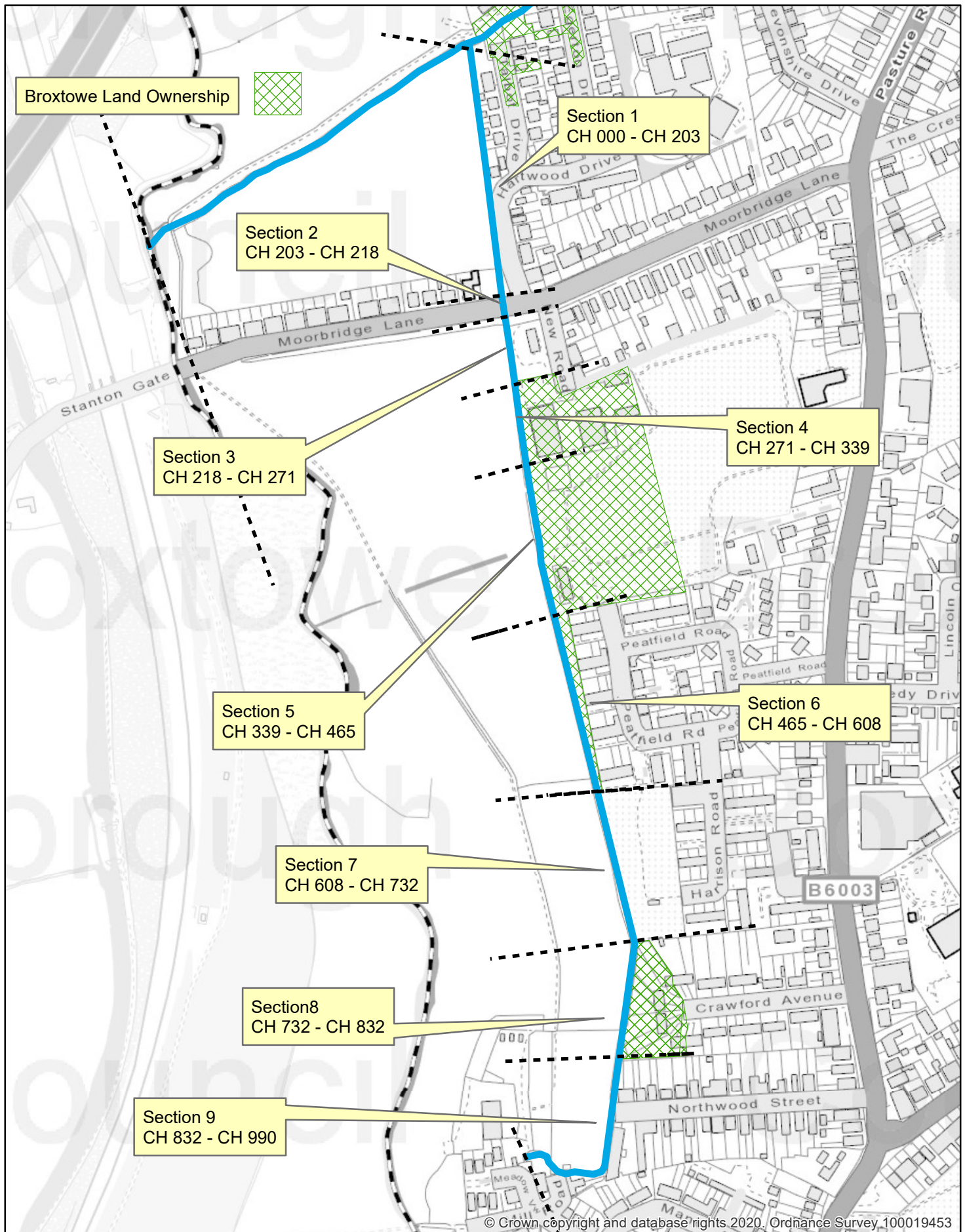
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Management of Brook Moorbridge to Mill Lane Stapleford

Numbered sections with chainages

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ECCO-06

24/09/2020

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Report of the Strategic Director

**PERFORMANCE MANAGEMENT – REVIEW OF BUSINESS PLAN
PROGRESS – ENVIRONMENT AND CLIMATE CHANGE**1. Purpose of report

To report progress against outcome targets identified in the Environment and Climate Change Business Plan, linked to Corporate Plan priorities and objectives, and to provide an update as to the latest key performance indicators.

2. Background

The Corporate Plan 2020-2024 was approved by Council on 4 March 2020. Business Plans linked to the five corporate priority areas of Housing, Business Growth, Environment, Health and Community Safety are subsequently approved by the respective Committees each year.

3. Performance management

As part of the Council's performance management framework, each Committee receives regular reports during the year which review progress against their respective Business Plans. This will include a detailed annual report where performance management is considered following the year-end.

This report is intended to provide this Committee with an overview of progress towards Corporate Plan priorities from the perspective of the Environment and Climate Change Business Plan. It provides a summary of the progress made to date on key tasks and priorities for improvement in 2020/21 and the latest data relating to Critical Success Indicators (CSI) and Key Performance Indicators (KPI). This summary is detailed in the appendix.

The content of this report is based upon data required to demonstrate progress with the Business Plan. The Council is currently reviewing its corporate performance reporting arrangements, including the content of regular reports to Committees. Members are invited to comment upon the format, level and content of data provided for future reports.

Recommendation

The Committee is asked to CONSIDER the progress made in achieving the Key Tasks and Actions in the Environment and Climate Change Business Plan 2020/23, to NOTE performance in relation to the current CSI and KPI for 2020/21.

Background papers

Nil

APPENDIX

PERFORMANCE MANAGEMENT

1. Background - Corporate Plan

The Corporate Plan for 2020-2024 was approved by Cabinet on 4 March 2020. This plan sets out the Council's priorities to achieve its vision to make "A Greener, Safer and Healthier Broxtowe where everyone prospers." Over the period, the Council will focus on the priorities of Housing, Business Growth, Community Safety, Health and Environment.

The Corporate Plan prioritises local community needs and resources are directed toward the things they think are most important. These needs are aligned with other local, regional and national plans to ensure the ambitions set out in our Corporate Plan are realistic and achievable.

2. Business Plans

Business Plans linked to the five corporate priority areas, including Housing, were approved by the Full Council on 4 March 2020, following recommendations from the respective Committees in January/February 2020.

The Council's priority for Environment and Climate Change is to "protect the environment for the future". Its objectives are to:

- Develop plans to reduce the Borough's carbon emissions to net zero by 2027 and start implementing them (En1)
- Invest in our parks and open spaces (En2)
- Increase recycling and composting (En3)

The Business Plans detail the projects and activities undertaken in support of the Corporate Plan for each priority area. These cover a three-year period and are revised and updated annually. Detailed monitoring of progress against key tasks and outcome measures in the Business Plans is undertaken regularly by the relevant Committee. This will include a detailed annual report where performance management and financial outturns are considered together following the year-end as part of the Council's commitment to closely align financial and performance management.

3. Performance Management

As part of the Council's performance management framework, this Committee receives regular reports of progress against the Environment and Climate Change Business Plan. This report provides a summary of the progress made to date on key tasks and priorities for improvement in 2020/21 (as extracted from the Pentana Risk performance management system). It also provides the latest data relating to Critical Success Indicators (CSI) and Key Performance Indicators (KPI).

The Council monitors its performance using the Pentana Risk performance management system. Members have been provided with access to the system via a generic user name and password, enabling them to interrogate the system on a 'view only' basis. Members will be aware of the red, amber and green traffic light symbols that are utilised to provide an indication of performance at a particular point in time.

The key to the symbols used in the Pentana Risk performance reports is as follows:

Action Status Key

Icon	Status	Description
	Completed	The action/task has been completed
	In Progress	The action/task is in progress and is currently expected to meet the due date
	Warning	The action/task is approaching its due date (and/or one or more milestones is approaching or has passed its due date)
	Overdue	The action/task has passed its due date
	Cancelled	This action/task has been cancelled or postponed

Performance Indicator Key

Icon	Performance Indicator Status
	Alert
	Warning
	Satisfactory
	Unknown
	Data Only

Environment and Climate Change Key Tasks and Priorities for Improvement 2020/21

Status	Code	Action Title	Action Description	Progress	Due Date	Comments
In Progress 	ENV 1518_04	Implement Key Actions in Green Infrastructure Strategy	Develop, improve and promote Green and Blue infrastructure in the Borough incorporating strategic actions in Green Futures programme	20%	Mar-2022	Working on various projects with external agencies.
Completed 	ENV 1620_03	Implement the actions identified within the Waste Strategy	Implement the actions identified within the Waste Strategy	100%	Mar-2020	The Council's Waste Strategy is due for revision in 2020. The new strategy will set new actions and take into account the implications the Government's 'Our Waste Our Resources: A Strategy for England'.
Completed 	ENV 1620_04	Franchises and licensing within Parks and Open Spaces	Franchises and licensing within Parks and Open Spaces	100%	Mar-2020	
In Progress 	ENV 1720_01.2	Apply a strategic approach to tree management and planting	Work with partners, land owners and other agencies to plant 2,000 trees per year. Work with volunteers as part of the Clean and Green initiative to achieve this outcome.	20%	Dec-2023	Trees ordered for 2020/21 schemes. Free Tree event to take place in January 2021 with small ornamental trees for gardens.
In Progress 	ENV 1821_03	Improve Play Areas and Parks & Open Spaces	Ensure sites are Health & Safety and DDA Compliant	70%	Mar-2023	External funding bid submitted for refurbishment of play area at Dovecote Lane Recreation Ground Beeston. The refurbishment of Swiney Way Play area was completed in October and has proved to be very popular. Site specific improvement works undertaken at various play areas.

Status	Code	Action Title	Action Description	Progress	Due Date	Comments
In Progress 	ENV 2023_01	Implementation of the Clean and Green Initiative	Implement a range of initiatives aimed at making Broxtowe a Cleaner and Greener place for residents and visitors to the Borough.	50%	Mar-2021	Activities to be delivered as part of the Clean and Green initiative have been delayed due to COVID-19. Initiatives have been planned for later in the year will be reported to Committee in due course.
In Progress 	ENV 2023_02	Introduction of new staff within the recycling section	Aim of educating our residents on recycling, reducing contamination and increasing the Council recycling rate. Increase in the Council's recycling rate and improved awareness of how to reduce waste	10%	Mar-2023	The appointment to role has been delayed due to COVID-19. The expected time for advertising the role is December 2020 with the appointment to post to follow accordingly. Funding of the role for one year has been secured from Nottinghamshire County Council as part of a partnership approach to increase recycling and reduce the amount of residual waste produced.
In Progress 	ENV 2023_03	Identify areas of new Green Space for public use	Increase the total area of publically accessible green space in Broxtowe	5%	Mar-2023	Options currently being considered.
In Progress 	ENV 2023_05	Implement actions deriving from the Governments 'Our Waste, Our Resource: A Strategy for England'	Increase in the Council's recycling rate and increased awareness of climate change and waste and recycling issues.	5%	Mar-2020	No direct actions have yet been required but response to consultation as part of a joint Nottinghamshire approach has been submitted. Consultations on some of the measures proposed are scheduled for 2020. Members will be consulted and the Council will submit their response accordingly. The Environment Bill which will legislate for the measures within the Strategy is still in the parliamentary process.

Status	Code	Action Title	Action Description	Progress	Due Date	Comments
In Progress 	GREEN 0912_14c	Further develop sites with Local Nature Reserve Status	Maintain existing 121 hectares of land identified as Local Nature Reserves and investigate possible additional sites as opportunities arise with new housing development and the acquisition of additional open space	20%	Mar-2022	One Local Nature Reserve Management plan updated. Sites continue to be maintained as Local Nature Reserves with new hay meadows created at Brinsley Headstocks and Colliers Wood. Working with developers on possible land transfers as part of housing developments.

Environment and Climate Change Critical Success Indicators 2020/21

Status	Code / Name	Frequency	2018/19 Achieved	2019/20 Achieved	2020/21 Q2	2020/21 Target	Notes
Green 	NI 192 Percentage of household waste sent for reuse, recycling and composting	Quarterly	38.48%	38.75%	41.58%	40.2%	The recycling rate is an estimate as not all data is available. The data suggests that the current recycling rate for the first six months is comparable to the previous year which is positive considering there has been an increase in the amount of residual waste produced.
Amber 	NI 195a Cleanliness of the streets and open spaces within the Borough (levels of litter)	Three surveys a year	96%	96%	96%	97%	The cleanliness of the borough has been maintained despite COVID-19 having implications on the delivery of the Street Cleansing service.
Amber 	PSData_09 Parks achieving Broxtowe Parks Standard %	Annually	92%	96%	n/a	98%	Data not yet available - survey results now being assessed
Data Only 	SSData_01 Reduce the number of fly tipping incidents	Annually	359	267	139	270	The figure is an estimate as not all data has been received. Despite other authorities reporting significant increases in fly tipping during the COVID-19 period the half yearly figure suggest that overall the number of incidents in 2020/21 are comparable with the levels experienced in 2019/20.

Environment and Climate Change Key Performance Indicators 2020/21

Status	Code / Name	Frequency	2018/19 Achieved	2019/20 Achieved	2020/21 Q2	2020/21 Target	Notes
Green 	BV82a(ii) Increase Tonnes of Household Waste Recycled	Quarterly	8,018	8,006	4,468	7,776	The figure is an estimate as not all data is available. Estimates suggest the total amount of recyclables collected in the first six months has increased by an estimated 591 tonnes compared to the previous year. This equates to a 15% increase with a contributing factor to the increase being the measures implemented due to COVID-19.
Green 	BV82b(ii) Increase Tonnes of household waste composted	Quarterly	7,461	7,778	5,245	8,000	The figure is an estimate as not all data is available. Estimate suggest the total amount of recyclables collected in the first six months has increased by an estimated 192 tonnes compared to the previous year. This equates to a 3.79% increase that was attributable, in part, to the measures implemented due to COVID-19.
Red 	BV84a Reduce Household waste collected per head, in kilos	Quarterly	357	361	205	386	The figure is an estimate as not all data is available. The data suggests there has been around an 8% increase in the first six months compared to the previous year. This can be attributable, in part, to the increase in tonnage collected due to COVID-19.
Green 	NI 191 Reduce Residual household waste per household (Kgs)	Quarterly	493	496	271	482	The figure is an estimate as not all data is available. The data suggests there has been around an 8% increase in the first six months compared to the previous year. This can be attributable, in part, to the increase in tonnage collected due to COVID-19.

Status	Code / Name	Frequency	2018/19 Achieved	2019/20 Achieved	2020/21 Q2	2020/21 Target	Notes
Amber 	NI 195b Levels of detritus on the public highway	3 x Year	96%	96%	95%	96%	There has been a slight increase in the levels of detritus. This can be attributable to COVID-19 which affected the delivery of the sweeping service. The service is now back up to full capacity and moving forward improvements are expected.
Data Only 	PSData_08 Trees planted	Annually	1,618	2,012	-	2,500	Trees will be planted during the winter of 2020/21 with events in National Tree Week 28 November to 6 December 2020.
Green 	PSLocal_02 Green Flags / Community Green Flags	Annually	5	5	5	5	Awards delayed due to COVID-19 All 5 sites retained their awards.
Data Only 	SSData_10 Clean and Green events undertaken	Quarterly	-	-	2	20	New indicator 2020/21. Undertaking of events have been delayed due to COVID-19.
Data Only 	WMData_03b Garden waste subscriptions	Quarterly	19,664	20,094	21,614	20,042	Target for the year exceeded.
Green 	WMData_03c Income generated by Garden Waste Subscriptions	Quarterly	£661,000	£701,108	£774,955	£727,000	Target for the year exceeded.
Green 	WMData_06a Income generated through Trade Waste (0,00s)	Quarterly	£579,475	£584,773	£412,520	£608,000	Trade Waste income is the half yearly figure shown on the ledger at the time of writing. This does not provide an accurate picture of the income received. This figure will be lower once the implications of businesses waste collection requirements during COVID 19 are known. A more accurate income figure will be able to be provided in future reports. Any loss in income will be negated somewhat by a reduction in disposal costs.

Status	Code / Name	Frequency	2018/19 Achieved	2019/20 Achieved	2020/21 Q2	2020/21 Target	Notes
Data Only 	WMData_08 Income generated through Environmental Services	Quarterly	£44,719	£64,462	£125,620	£190,000	2020/21 target is the total for all Environment Income. Indications at the moment suggest the target will be achieved.
Data Only 	WMData_10 Savings through re-use of bins	Quarterly	£11,971	£5,152	£1464	£12,000	137 bins have been reclaimed which were deemed suitable for reuse in the first six months of the year.

Report of the Deputy Chief Executive

FUNDING STREAM AVAILABILITY FOR HOUSING ENERGY EFFICIENCY IMPROVEMENTS1. Purpose of report

To provide the Committee with the latest updates on funding stream availability for housing energy efficiency improvements.

2. Detail

The five major funding opportunities at present are as follows:

- Energy Company Obligation scheme (ECO) – aimed at those in fuel poverty
<https://www.ofgem.gov.uk/environmental-programmes/eco/about-eco-scheme>
- Renewable Heat Incentive (RHI)
<https://www.ofgem.gov.uk/environmental-programmes/domestic-rhi/about-domestic-rhi>
- Green Homes Grant Voucher Scheme
<https://www.gov.uk/guidance/apply-for-the-green-homes-grant-scheme>
- Green Homes Grant Local Authority Delivery (LAD)
- Social Housing Decarbonisation Fund (SDHF)
<https://www.gov.uk/government/publications/social-housing-decarbonisation-fund-demonstrator/social-housing-decarbonisation-fund-demonstrator-programme-overview>

Further details of the above are given in the appendix.

It should be noted that housing is specifically excluded from the recently announced Public Sector Decarbonisation Scheme.

3. Financial implications

There are no immediate financial implications for this report.

Recommendation

The Committee is asked to NOTE this report.

Background papers

Nil

APPENDIX

ECO

The Energy Company Obligation (ECO) is a government energy efficiency scheme to help reduce carbon emissions and tackle fuel poverty. Every major Energy Company in the UK has been obligated to provide funding for installations that cut carbon emissions and consumer fuel bills. The obligated energy suppliers work with installers to introduce energy efficiency measures, such as loft or wall insulation, or heating measures. The scheme began in April 2013, and over time it has been amended. The latest policy, ECO3, commenced in December 2018, and applies until March 2022.

The ECO3 policy has only one obligation, the Home Heating Cost Reduction Obligation (HHCRO). Under HHCRO, obligated suppliers must mainly promote measures which improve the ability of **low income, fuel poor and vulnerable households** to heat their homes. This includes actions that result in heating savings, such as the replacement of a broken heating system or the upgrade of an inefficient heating system.

ECO3's main policies include:

- focusing the entire scheme to support low income, vulnerable and fuel poor households
- requiring 15% of measures to be delivered to rural homes
- increasing the proportion of the scheme that can be delivered under local authority flexible eligibility to 25% (encouraging the use of local authority expertise to identify the most vulnerable households in their areas)
- allowing up to 10% of a supplier's obligation to be met through the delivery of new, innovative products.
- supporting households that have a broken heating system by allowing the equivalent of 35,000 broken heating systems to be replaced per year
- encouraging a multiple measure approach by allowing the replacement of inefficient heating systems to be replaced (outside of the broken heating system cap) if they are installed alongside insulation
- requiring the equivalent of at least 17,000 solid walled homes to be treated per year, either through solid wall insulation, or using a combination of other technologies (if equivalent savings can be achieved in the property)

Persons are eligible for ECO if they are a core group customer from scheme year 9 onwards under the [Warm Home Discount Scheme](#) or they receive at least one of the following benefits and satisfy the relevant income requirements, where applicable:-

- Armed Forces Independence Payment
- Attendance Allowance
- Carer's Allowance
- Child Benefit (subject to overall household income)
- Constant Attendance Allowance
- Disability Living Allowance
- Pension Guarantee Credit
- Income-related Employment and Support Allowance (ESA)
- Income-based Jobseeker's Allowance (JSA)
- Income Support
- Industrial Injuries Disablement Benefit
- Mobility Supplement
- Personal Independence Payment
- Severe Disablement Allowance
- Tax Credits (Child Tax Credits and Working Tax Credits)

- Universal Credit

Alternatively, if they are living in social housing with an EPC rating of E, F or G they might also be eligible for the scheme. Social housing with an EPC rating of D can also qualify for an innovation measure. Local authorities are also able to refer residents in their areas to obligated energy suppliers so that they can be offered support under the scheme.

Under ECO3 there is an additional in-fill mechanism for solid wall insulation and district heating measures. Under this mechanism if 66% of eligible households receive either of these measures, an adjacent property can also receive the same measure without needing to meet the eligibility criteria.

Who can benefit from ECO?

In order to benefit from ECO a person must own their own home or have the permission of their landlord, including if their property is owned by a social housing provider or management company. A person can benefit from ECO regardless of who they purchase their energy from. They don't need to buy energy from an obligated supplier in order to benefit. It is important to note that eligibility for ECO does not necessarily mean that an energy supplier or installer will decide to install an energy efficiency measure in a home.

As part of ECO3, the Council's Private Sector Housing Team works collaboratively with the Warm Homes Hub (a 2-year partnership project including Nottingham City Council, Nottinghamshire County Council, the Charities Age UK Nottinghamshire and Nottingham Energy Partnership, and E-on Energy Solutions) to identify lower income households that could benefit from a mains gas connection and first time gas central heating under this Warm Homes Fund scheme.

The Council's Capital Works team secures ECO funding for the Council's own housing stock through its External Wall Insulation contract.

Renewable Heat Incentive

The Domestic Renewable Heat Incentive (Domestic RHI) is a government financial incentive to promote the use of renewable heat. Switching to heating systems that use eligible energy sources can help the UK reduce its carbon emissions and meet its renewable energy targets. The four eligible renewable technologies are biomass boilers and stoves, ground source and air source heat pumps, and solar thermal panels. In addition to the renewable technology being one of the four eligible technologies which can be accredited under the scheme - the specific **product make** and **model** must also be eligible.

People who join the scheme and stick to its rules receive quarterly payments for seven years for the amount of clean, green renewable heat it's estimated their system produces. The applicant must **own** or **occupy** the property the renewable technology heats.

Since opening in April 2014, the scheme has already seen thousands of people successfully join and receive payments. The scheme is open to anyone who can meet the [joining requirements](#). It's for households both off and on the gas grid although those without mains gas have the most potential to save on fuel bills and decrease carbon emissions. The link to the essential guide to applicants is given below:

The Renewal Heat Incentive has been promoted to residents via the Borough Council's website and social media.

Green Homes Grant Voucher Scheme

The Summer Economic update: A Plan for Jobs

	£1.5B Green Homes Grant Voucher Scheme	£0.5B Green Homes Grant Local Authority Delivery (LAD)	£50M Social Housing Decarbonisation Fund (SHDF) Demonstrator
AIM	Raise performance of low-EPC homes through consumer led voucher-based approach	Raise performance of low-EPC homes through locally led approach focussed on lower income private housing	Raise performance of low-EPC rated social homes by demonstrating innovative "whole house" approaches
ELIGIBILITY	- Homeowner or Private/ Social Landlord - England only	- Local Authorities - EPC ratings E or below - England only	- UK-wide Local Authorities (incl. consortia) - EPC rating D or below - Demonstrate cost reduction potential
FUNDING (per dwelling)	Up to £5000 covering 2/3 total cost, or Up to £10,000 for low-income households (excl. Landlords)	Up to £5000 covering 2/3 total cost or Up to £10,000 for low-income households (excl. Landlords)	Estimated at between £15 - £30k per dwelling

Chancellor Rishi Sunak outlined plans for the **Green Homes Grant scheme** in July, which put aside £2 billion for domestic energy efficiency upgrades as part of the government's Covid-19 economic recovery plan. One quarter of this, £0.5 billion, will be delivered through the Local Authority Delivery (LAD) element of the scheme.

The remaining £1.5 billion will be available for individuals to apply for in the form of **vouchers** for their own properties.

An overview of the scheme:

- **All domestic tenures** are eligible and homes in **any EPC band**
- Two rates of grant are available:
 - **Up to £10k** (covering total cost of works) for owner occupiers on qualifying benefits, and
 - **Up to £5k** (covering two thirds of total costs) for everyone else
- Two categories of measures are eligible:
 - Stand-alone **Primary** measures (incl. insulation and heat pumps), and
 - **Secondary** measures which can only be included if you also have a Primary measure (incl. double glazing, insulated exterior doors) – crucially the Secondary measures cannot be of greater value than the Primary, avoiding the scenario where someone has cheap loft insulation to access expensive double glazing
- Fossil fuel heating systems (gas, coal, oil) are **not** eligible, neither is the replacement of existing insulation or double glazing

How to apply:

- Individuals can apply for the voucher via the government's Simple Energy Advice (SEA) website (previously the Energy Saving Trust)
- <https://www.simpleenergyadvice.org.uk/pages/green-homes-grant> .
- The website takes you through a **home assessment** process, automatically referring to your home's EPC, if you have one, and asking some additional questions in either case. This helps to identify the measures that your house would benefit from, and shows which measures would be eligible for this grant
- It then taps into the **Trustmark** database <https://www.trustmark.org.uk/> of qualified and approved traders so you can get advice and quotes from scheme-eligible installers in your area. You are advised to get three quotes to ensure value for money.
- All works must be completed and vouchers spent by **end March 2021**.

The Green Homes Grant Voucher Scheme has been promoted to residents via the Borough Council's website and social media.

Green Homes Grant Local Authority Delivery

It's clear that this is a much needed and welcome opportunity to improve the energy efficiency of the local housing stock and kick start the shift to net zero carbon homes. However, the application and delivery deadlines for **Phase 1** are so tight (£200m, spent by end March 2021), that those who can apply are likely to be **scaling up existing programmes** rather than creating new schemes. Here are the key details:

Phase 1 to end March 2021

These are the key opportunities/scenarios:

1. Councils can apply for a **minimum of £500,000** to improve the energy efficiency of EPC E, F and G homes occupied by households with a combined household income of < £30k
2. **All tenures** are eligible; owner occupiers receive 100% funding (up to av. £10k), social and private rented landlords receive up to 67% of the cost of measures (up to av. £5k)
3. **Councils** can apply for funding for their **own stock** whereas **housing associations** need to get their local authority to apply on their behalf
4. A wide range of **insulation** and other **energy efficiency measures** are eligible, including heat pumps but **not** fossil fuel (gas, coal, oil, LPG) or biomass heating systems.

These are the main hurdles:

5. **Insufficient volume** – £500,000 equates to **50** owner occupied homes at £10k av. spend, or **100** social / private rented homes at £5k av. spend
6. **Match funding** is required for social / private rented homes of at least **33%** of the value of the works; this cannot come from ECO, RHI or other government schemes
7. **Consortium bids** are welcome but mean lead authority has to be the **accountable body** for others, taking responsibility for grant finances, monitoring, reporting, compliance etc.
8. Installations have to be **completed by end March 2021** meaning that only **existing programmes** are likely to be able to scale up and deliver on time – the importance of this element is reflected in the way bids will be scored, with a 50% weighting placed against demonstrating deliverability.

9. State Aid regulations apply

Unsurprisingly therefore **LAD Phase 1** (£200m) was significantly underspent so a further opportunity to bid into this fund is to be announced shortly. This is likely to have an application window of 6 weeks and an extended delivery timeline to **September 2021**. BEIS is currently updating the guidance, which will be available on the: -

<https://www.gov.uk/government/publications/green-homes-grant-local-authority-delivery-scheme-entering-a-bid>

Private Registered Providers (registered social landlords) are eligible for funding as part of a local authority consortia.

Phase 2 to end March 2022

There is a consensus that this phase provides a more realistic opportunity to access the funding for most councils. £300m will be available nationally, **allocated to the Energy Hubs** in some sort of pro-rata basis. BEIS has not finalised details of the scheme and how councils can access funding, but suffice to say, gearing up for this phase will be a challenge in itself as there is only a 12-month window for delivery.

Social Housing Decarbonisation Fund

The **£50m** fund was announced earlier in the year as part of the Summer Economic update and is one of the three elements which together cover all housing tenures, the others being the Green Homes Grant (GHG) voucher scheme and the GHG Local Authority Delivery scheme.

The SHDF is the follow on to the Whole House Retrofit Innovation Competition, and the **precursor to the £3.8bn SHDF** promised in the government's manifesto.

Here are the key points of the £50m fund:

- BEIS estimate 2,200 homes will receive a whole house retrofit at a cost of **£15-30k** each.
- **Match funding** will be required. The grant will pay for 25-60% of the cost of the works; the actual figure will depend on which criteria a bid satisfies
- Social housing with an EPC rating of **D or below** is eligible
- Local authorities can apply for their council housing and/or on behalf of their social housing provider; delivery will be through an MoU with BEIS.
- Measures have to be installed by **end Dec 2021**.
- It hasn't yet been decided whether a minimum number of properties/minimum grant size will be set.

Report of the Strategic Director

CLIMATE CHANGE AND GREEN FUTURES PROGRAMME UPDATE1. Purpose of report

To provide an update to Members on the progress made with the Council's Climate Change and Green Futures programme and the Communications Campaign Plan supporting the programme.

2. Background

Members will recall the Climate Change and Green Futures Programme report to the September 2020 Environment and Climate Change Committee. The report contained the Climate Change Strategy, along with a separate report on each of the other 14 project strands. The strategic actions contained within each project strand were collated and summarised earlier within the document.

In order to monitor the progress of the Climate Change and Green Futures Programme Members requested that a report will be brought to each Environment and Climate Change Committee. The report contains, at appendix 1, a list of the strategic actions, the responsible office, the target date and a narrative, where appropriate to indicate the progress made. The format of the strategic actions will follow the Council's Business Plans to provide consistency of reporting and familiarity for both officers and Members.

At appendix 2, Members will find the progress made against the actions included in the Communications Campaign Plan, much of the campaign is already under development.

3. Financial implications

There are no current financial implications. However, as the Climate Change and Green Futures Programme matures any emerging financial implications will be reported to the committee.

Recommendation

The Committee is asked to NOTE the progress of the Climate Change and Green Futures Programme

Background papers

Nil

APPENDIX 1

Climate Change and Green Futures progress report

The key to the symbols used in the is as follows:

Action Status Key

Icon	Status	Description
	Completed	Action/task has been completed
	In Progress	Action/task is in progress and is currently expected to meet the due date
	Warning	Action/task is approaching its due date (and/or one or more milestones is approaching or has passed its due date)
	Overdue	Action/task has passed its due date
	Cancelled	Action/task has been cancelled or postponed

Strand 01: Climate Change Strategy

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Establish a baseline for CO ₂ emissions for 2018/19 focusing on level 1 and level 2 emission sources. Compare with previous baseline and report position	Strategic Director / Head of Environment	100%	Mar-2020	Completed February 2020 in partnership with the Carbon Trust
Completed 	Action 2	Ensure methodology followed in strategic action 1 is repeatable for subsequent years moving forward, allowing progress to be measured more accurately.	Strategic Director / Head of Environment	100%	Feb-2020	Completed February 2020
In Progress 	Action 3	Establish a baseline for CO ₂ emissions based on level 3 emission sources (e.g. impact of supply chain, housing stock, employee travel to and from work)	Strategic Director / Head of Environment	5%	Jun-2020	Methodology determined with the assistance of the Carbon Trust
In Progress 	Action 4	Deliver the Climate Change and Green Futures Programme	Strategic Director	5%	Mar-2021	Initial base line complete. Climate Change Strategy (Carbon Management Plan) Adopted. Transport and Fleet Strategy adopted.
Completed 	Action 5	Creation of a Climate Change Strategy and Carbon Management Plan (CMP)	Strategic Director	100%	Jun-2020	Completed September 2020

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 6	Develop further strategic actions following the carbon footprint analysis and partnership engagement.	Strategic Director / Head of Environment	N/A	On-going	As part of the update provided to committee in September 2020 a review and enhancement of actions took place.
Not started	Action 7	Using the principles of Carbon Budgeting create an approach that aligns with the budget process and determines and informs the level of CO ₂ e anticipated from investments in service provision	Strategic Director		Mar-2022	
Not started	Action 8	Investigate what funding opportunities exist to assist with the creation of Ecoteams within Broxtowe	Head of Environment		Mar-2022	
In Progress 	Action 9	Support the delivery of the actions with the Local Energy Partnership (LEP) Energy Strategy	Head of Environment / Head of Property	5%	On-going	Engagement commenced

Strand 02: Fuel

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Environmental Services	100%	August 2020	
In Progress 	Action 2	Reschedule the dry recycling rounds in order to deliver economies in regards to fuel usage and better utilisation of vehicles in the fleet.	Waste Services and Strategy Manager		March 2021	
In Progress 	Action 3	Reschedule the green waste rounds in order to deliver economies in regards to fuel usage and better utilisation of vehicles in the fleet.	Waste Services and Strategy Manager		March 2021	
In Progress 	Action 4	Technology: Introduction of electric vehicles where practical and economic aligned to the capital replacement programme.	Transport and Stores Manager	Ongoing	To be completed annually	Small electric vans programmed into 2021/2022 capital programme
In Progress 	Action 5	Technology: Proactively monitor vehicle emissions utilising the Fuel Monitoring IT System utilising analysis to inform capital replacement programme.	Transport and Stores Manager	Ongoing	To be completed annually	Small electric vans programmed into 2021/2022 capital programme, existing vehicles monitored on annual servicing.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 6	Technology: Utilising data from the on board Vehicle Monitoring IT System (for example recording harsh braking, excessive speeding and harsh cornering) inform the delivery of a programme of driver training – this will address safety, fuel economy, extended vehicle life and reduced emissions.	Transport and Stores Manager	50%	November 2020	Reports set up to establish driver behaviour.
In Progress 	Action 7	Technology: Introduction of electric solutions for plant equipment where practical and economic aligned to the capital replacement programme.	Transport and Stores Manager	5%	To be completed annually	Ongoing trials of small plant and equipment.

Strand 03: Transport and Fleet

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Create a new Transport and Fleet Strategy with a focus where economically appropriate on electric vehicles.	Transport and Stores Manager	100%	August 2020	The new Transport and Fleet Strategy was adopted by the Environment and Climate Change Committee 14 September 2020.
Not started	Action 2	Develop a plan for the further introduction of appropriate infrastructure to support potential growth in the electric fleet and growth in domestic use of electric vehicles.	Transport and Stores Manager		March 2022	
Not started	Action 3	Using available data, produce a report on vehicle types registered in the Borough along with scenarios indicating the behavioural change necessary to help achieve net zero by 2027.	Transport and Stores Manager		March 2022	
Completed 	Action 4	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Transport and Stores Manager	100%	August 2020	The Climate Change and Green Futures programme report presented to the Environment and Climate Change Committee 14 September 2020 included this analysis and is linked to the Communications Campaign Plan.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Technology - The Council has a fleet of 8 small vans (Below 2 Tonnes). Two of these vehicles have already been replaced with all electric vehicles and over the period to 2024 the remaining 6 vehicles where practical and economic (As they reach a life of 12 years) will be replaced with all electric models.	Transport and Stores Manager	5%	2021-2024	As the vehicles approach their end of life expectancy they will be replaced with the latest cost effective technology. This will be in conjunction with local authority trials, current consortium contracts and manufacturers data.
In Progress 	Action 6	Capital Investment- The Capital Vehicle replacement programme for those HGV's (Refuse Freighters 26 Tonnes) identified for replacement will be replaced with Euro standard engines (Euro 6 onwards). Before purchasing consideration will be given based on practicality and economics of the adoption of new technologies that have come to market this includes potential electric and hydrogen propulsion methods.	Transport and Stores Manager	50%	2021-2024	Principle adopted with ongoing review of low emission technology availability.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 7	Technology - For small plant such as hedge trimmers, blowers, and strimmers where practical and economic these will be replaced with electric powered units. Technological developments in this field are rapid and the Grounds Maintenance Manager has been tasked with keeping abreast of new developments and trialling new developments as they come to market.	Transport and Stores Manager	5%	2021-2024	Ongoing trials of small plant and equipment. A small amount of equipment already replaced.
In Progress 	Action 8	Technology -Working pro-actively with the Nottingham Vehicle Consortium (District Councils) and industry suppliers a watching brief will be maintained on new and developing technologies this includes IT developments, and the move towards electric and hydrogen traction for heavy goods vehicles. Decisions on purchasing new technologies will depend on practical and economic factors when consideration is being given with regards to acquisition of this new technology.	Transport and Stores Manager	5%	Through to 2024	As the vehicles approach their end of life expectancy they will be replaced with the latest cost effective technology. This will be in conjunction with local authority trials manufacturers data and current consortium contracts. The consortium contracts with manufactures are reviewed every three years.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 9	Green number plates. The Department of Transport / GOV.UK is currently consulting on the introduction of green number plates as a means of differentiating vehicles whose carbon footprint is low or negligible based on their environmental impact and tailpipe emissions. If adopted the council will wish to provide community leadership by displaying such number plates on its vehicles that meet such low emission standards	Transport and Stores Manager	1%	2020	Green number plates are currently in the government consultation stage; these are to be fitted to all electric vehicles when available.

Strand 04: Energy and Building Infrastructure

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Capture and analyse the achievements to date in regards to energy consumption / creation to inform the approach moving forward and to inform the overarching communications programme.	Head of Property Services	100%	July 2020	
In Progress 	Action 2	Determine and report on approaches that will assist in reducing the organisations energy consumption further.	Head of Property Services	50%	December 2020	Carbon Trust report describes the approaches from which further actions will flow. Target date changed to link with Action 4.
Completed 	Action 3	Capture and analyse the achievements to date in regards to building infrastructure to inform the approach moving forward and the overarching communications programme.	Capital Works Manager	100%	July 2020	
In Progress 	Action 4	Determine and report on approaches that will further assist the Council's building infrastructure reduce its carbon emission.	Head of Property / Capital Works Manager	50%	December 2020	Carbon Trust report describes the approaches from which further actions will flow.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 5	Leisure Centres (708t CO2e 2018/19): Replace the Combined heating and Power (CHP) system at Bramcote (already budgeted for in 2020/21).	Head of Property Services	100%	October 2020	Completed June 2020
In Progress 	Action 6	Leisure Centres (708t CO2e 2018/19): Proceed with the Leisure Facilities Strategy which may lead to more efficient new buildings (longer term and requires very significant funding).	Head of Property Services	50%	March 2021	Leisure Facilities Strategy reported to Policy and Performance Committee 1 October 2020. Agreed that further studies are to be commissioned and reported on. Target date adjusted from September 2020 to March 2021.
In Progress 	Action 7	Bramcote Crematorium (308t CO2e 2018/19): Replace cremators with more efficient new ones and install heat exchanger (funding should become available from a land sale in 2021/22).	Head of Property Services	10%	March 2022	Initial quotes have been obtained, scheme is reliant on a land sale which is still being negotiated. Scheme will require a full tendering process.
In Progress 	Action 8	Kimberley Depot (265t CO2e 2018/19): Investigate reasons for recent increased of gas usage and introduce counter-measures.	Head of Property Services	50%	March 2021	Low cost measures have already been identified and implemented. Higher cost measures will be implemented by March 2021.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 9	Kimberley Depot (265t CO2e 2018/19): Introduce more LED lighting (within existing approved budgets).	Head of Property Services	10%	March 2022	Quotes have been obtained.
In Progress 	Action 10	Council Offices (77t CO2e 2018/19): Ensure heating and insulation is optimised (within existing approved budgets).	Head of Property Services	10%	March 2022	Quotes have been obtained.
In Progress 	Action 11	Sports Pavilions (60t CO2e 2018/19): Continue with ad-hoc replacement of heating, hot water and lighting systems as older less-efficient systems become due for replacement (within existing approved budgets).	Head of Property Services	10%	On-going	Principles have been established and adopted for ad-hoc replacements
In Progress 	Action 12	Water: implementation of water efficient taps in all Council owned building to reduce water consumption, metered bills and cost.	Head of Property Services	5%	March 2022	So far 10 have been installed in the Business Hubs at Beeston and Stapleford and two in the Main Council Offices. They are not appropriate for all locations as they are only suitable for low use locations. Whilst water savings are comparatively modest (by definition as low use locations), energy savings can be greater as no un-necessary hot water is heated and stored. Taps also help with the management of legionella as a result of not having any stored water.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 13	Investigate further opportunities for the installation of solar panels on Council Buildings for example the Depot	Head of Property Services	10%	August 2021	Some studies are being commissioned and previous work re-visited
In Progress 	Action 14	Investigate the energy management arrangements at the Crematorium in order to identify opportunities to redirect excess energy for heating and lighting.	Head of Property Services	10%	March 2022	Study has been undertaken and will need re-visiting when cremators and mercury abatement plant are replaced.
Not started	Action 15	Investigate the opportunity to create a woodland burial site – achieving eco burials within a woodland setting.	Head of Property Services		March 2022	

Strand 05: Employee and Business Mileage

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Capture and analyse the achievements to date in regards to the reduction in business mileage to inform the approach moving forward and to inform the overarching communications programme.	Payroll and Job Evaluation Manager	100%	March 2020	Analysis of business mileage will continue each financial year and be reported as part of the Annual Workforce Profile.
Completed 	Action 2	Determine and report on approaches that may assist in reducing the Council's carbon emission impact of business mileage.	Payroll and Job Evaluation Manager	100%	October 2020	Analysis has been undertaken with Head of Service to determine how much of the business mileage reduction seen during the COVID-19 pandemic is sustainable. In addition, potential incentives for employees to use greener forms of travel for business mileage have been considered.
Not started	Action 3	Using the current employee home to work mileage as a baseline repeat the survey annually to inform the approach moving forward and the overarching communications programme.	HR Manager	40%	March 2021	To implement January 2021. Statistics may not be comparable to previous year due to COVID-19 and increased homeworking / less travel during 2020-21.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 4	Leverage the new technologies and agile working arrangements widely implemented and utilised during the COVID-19 emergency in order to reduce the impact that employees travelling to work has on the environment.	Strategic Director / Heads of Service	1%	March 2021	Initial discussion underway
In Progress 	Action 5	Employee Benefits: Consider the implementation of a car leasing scheme enabling employees access to a new vehicle. Include the promotion of electric vehicles within the scheme.	HR Manager	40%	March 2021	HR Manager has met with a supplier of these services in order to explore what is possible. Next steps include a presentation to GMT in November in order to inform approach moving forward.
In Progress 	Action 6	Capture the achievements in order to inform the communications programme and promote what good looks like to Businesses within the Borough	Strategic Director	5%	On-going	Data is being captured to help inform future analysis
In Progress 	Action 7	Introduce home to work mileage survey as part of the induction process for all new employees	HR Manager	40%	September 2020	Awaiting next Corporate Induction to distribute redesigned form. Planned for 25 November 2020.
In Progress 	Action 8	Consider the introduction of Cycle To Work promotion (leave the car at home week / day)	HR Manager / Corporate Communications Manager	20%	March 2021	Meeting arranged for 18 November 2020 to discuss with Payroll Manager and Corporate Communications Manager.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 9	Consider approaching public transport organisations to determine what promotions can be targeted at Broxtowe employees for example Green Travel Deals	HR Manager	50%	March 2021	NET and Trent Barton contacted in October / November 2019. Opportunities for further discussions being considered.
In Progress 	Action 10	Consider the promotion of approaches that would allow employees to lease / purchase a more environmentally sustainable vehicle	Head of Protection and HR	40%	August 2021	Linked to Action 5 in the first instance. Presentation to GMT November 2020.
Not started	Action 11	Review the Council's mileage claim system to consider how it may be used to make it more financially attractive to employees that have an electric vehicle	Head of Protection and HR / Payroll and Job Evaluation Manager	0%	March 2022	

Strand 06: Water Courses

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Discussions will take place with the County Council and other partners as to the on-going management of the blue infrastructure in Broxtowe.	Parks and Green Spaces Manager	Ongoing	Autumn 2020 and then on-going	Meetings held and site visits undertaken summer 2020
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Parks and Green Spaces Manager	100%	July 2020	Completed July 2020
Completed 	Action 3	Develop further strategic actions as part of the Water Courses project strand delivery.	Parks and Green Spaces Manager	100%	July 2020	Completed July 2020
In Progress 	Action 4	Undertake a detailed assessment of the brooks that the Council is responsible for to carry out a flood risk assessment and look at opportunities for biodiversity enhancement	Parks and Green Spaces Manager	50%	Summer 2020 Summer 2021	Detailed assessment undertaken Summer 2020 Report to Environmental Climate Change Committee 23.11.20
In Progress 	Action 5	Further meetings will be held with the Environment Agency on the Trent Gateway Project looking to develop the initiatives on the section of the river within Broxtowe	Parks and Green Spaces Manager	Ongoing	Autumn 2020 and ongoing with 2 or 3 meetings a year	Meeting held. Project being reviewed with Trent Rivers Trust taking on some of the responsibility for the partnership with Trent Gateway becoming part of the lower Trent and Erewash Catchment Partnership.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 6	Meetings with landowners to ensure that appropriate maintenance is taking place	Parks and Green Spaces Manager	25%	Ongoing	Following the assessment of the brooks in the borough, key areas where meetings are required have been identified.
Completed 	Action 7	Clarify ownership responsibility for the boundaries of the 6 brooks in Borough Council responsibility	Parks and Green Spaces Manager	100%	Autumn 2020	This work is included in the report to Environmental Climate Change Committee 23.11.20.
Completed 	Action 8	Identify risks and any mitigation that affect the water courses and any appropriate adaptations that can be implemented or promoted	Parks and Green Spaces Manager	100%	March 2021	Issues identified in report and will be actioned as part of the regular maintenance programme going forward.

Strand 07: Meadow Planting and Wildlife Corridors

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to deliver the actions within the Green Infrastructure Strategy 2015 - 2030.	Parks and Green Spaces Manager	Ongoing	March 2022	Strategy used to help deliver Green Infrastructure Improvements at designated sites across the borough.
In Progress 	Action 2	Determine and report how the green and blue infrastructure can be enhanced to help protect the environment for our native wildlife corridors.	Parks and Green Spaces Manager	Ongoing	March 2021	Ongoing projects and initiatives undertaken with the most recent the creation of hay meadows at Colliers Wood and Brinsley Headstocks. Summer 2020 was a huge success with wildflower planting at a series of locations/corridors in the borough
Completed 	Action 3	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Parks and Green Spaces Manager	100%	March 2020	Completed March 2020
Completed 	Action 4	Develop further strategic actions as part of the Meadow Planting / Wildlife Corridors project strand delivery.	Parks and Green Spaces Manager	100%	March 2020	Completed March 2020
Completed 	Action 5	Improvements to the existing meadow grassland at Archers Field Recreation Ground, Stapleford with scarification of the existing grassland and over seeding with a dedicated wild flower mix to create two large wild flower meadows.	Park and Green Space Manager	100%	May 2020	Completed May 2020

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 6	Introduction of strategic areas of annual wildflower planting on highway verges at Gin Close Way, Awsworth, Bilborough Road, Nuthall, Narrow Lane, Watnall.	Park and Green Space Manager	100%	May 2020	Completed May 2020. All areas very well received
Completed 	Action 7	Introduction of additional areas of annual wild flower planting on parks and green spaces at Coronation Park, Eastwood and Inham Nook Recreation Ground, Chilwell	Parks and Green Spaces Manager	100%	May 2020	Completed May 2020 with the areas at Inham Nook Recreation Ground attracting a huge positive response on social media.
In Progress 	Action 8	Review of the Local Nature Reserve Management Plan for King George V Park, Bramcote to identify acid grassland areas and a strategic approach to their management.	Parks and Green Spaces Manager	50%	Summer 2021	Area reviewed with revised approach to management to be introduced in summer 2021
Completed 	Action 9	Identify further areas for annual seed, wildflower seed and bird crop seed sowing on parks and green spaces and highway verges at strategic locations.	Parks and Green Spaces Manager	100%	Summer 2020	Areas identified, to be implemented Spring 2021

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 10	Assess sites for species rich grasslands that with a change in management could become more favourable for biodiversity. This will be done working with the County Biodiversity Officer and Nottinghamshire Wildlife Trust. Significant sites that offer further potential include the Nottingham Canal, Bramcote Hills Park acid grassland, Colliers Wood with the introduction of yellow rattle to keep grasses down and over seeding with native species.	Parks and Green Spaces Manager	25%	Review summer 2021 and implement spring 2022	Whilst review is not due until summer 2021 work is in progress at Colliers Wood and Brinsley Headstocks to create hay meadows and over seed with native species.
In Progress 	Action 11	Identify areas within woodlands with potential to improve ground flora.	Parks and Green Spaces Manager	5%	Review summer 2022 and implement spring 2023	Potential areas being considered but detailed assessment scheduled for subsequent summers.
In Progress 	Action 12	Opportunities to undertake grass cutting and collection will be further explored utilising the additional revenue budget to fund the expensive grass collection and disposal.	Parks and Green Spaces Manager	25%	Review summer 2021 and implement spring 2022	Whilst not scheduled until summer 2021 the opportunity was taken to carry out grass cutting and collection this summer at Colliers Wood and Brinsley Headstocks utilising the additional revenue budget.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 13	The Management Plans for the Local Nature Reserve will continue to be assessed and opportunities for changes to maintenance schedules for grass areas considered to help enhance and improve areas of grassland meadow.	Parks and Green Spaces Manager	10%	Review summer 2022 and implement spring 2023	Initial discussions held with Nottinghamshire Wildlife Trust
In Progress 	Action 14	Opportunities arising from the Green Infrastructure Strategy will continue to be monitored	Parks and Green Spaces Manager	Ongoing	Review summer 2020 and implement spring 2021	This is ongoing. The work to improve the access and biodiversity this summer at Hall om Wong is a good example of work adjacent to the Kimberley Cutting Corridor. The Erewash Riverside Environmental Works Project is another good example that links to the primary Erewash Valley corridor.
In Progress 	Action 15	Consider opportunities to increase the number of allotments.	Parks and Green Spaces Manager	15%	March 2022	Opportunities to change full size plots to more “user friendly” half plots continue to be implemented. Potential to increase allotment sites in the borough is a consideration with large housing planning applications where there is an identified demand.
In Progress 	Action 16	Work with allotment holders to create composting ambassadors.	Parks and Green Spaces Manager	15%	March 2022	This will form part of the annual newsletter to allotment holders.
In Progress 	Action 17	Consider how the Council may create / support the provision of community food planting areas in addition to the current allotment provision.	Parks and Green Spaces Manager	15%	March 2023	Small initiative undertaken on Chilwell High Road where the community have utilised existing planters to grow vegetables. Other options will continue to be explored.

Strand 08: Tree Planting

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to deliver the actions within the Tree Planting Strategy 2018. Including Specimen tree planting schemes using large trees.	Parks and Green Spaces Manager	15%	March 2021 March 2022 March 2023	Current years planting schemes currently being drawn up.
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Parks and Green Spaces Manager	100%	March 2020	Completed March 2020
In Progress 	Action 3	Determine and report on how the Tree Planting Strategy can be enhanced to help provide greater opportunities to encourage residents, schools and businesses to plant more trees and look at innovative ways.	Parks and Green Spaces Manager	25%	Summer 2021	Project currently being drawn up working with community group to plant 400 trees. Opportunities have been restricted due to COVID-19.
Completed 	Action 4	Develop further strategic actions as part of the Tree Planting project strand delivery.	Parks and Green Spaces Manager	100%	March 2020	Completed March 2020

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Second tree giveaway event with small ornamental trees suitable for gardens.	Parks and Green Spaces Manager	50%	January/February 2021	Trees ordered, publicity undertaken. Event planned for January 2021
In Progress 	Action 6	Create additional pocket orchard at an allotment site or appropriate community site.	Parks and Green Spaces Manager	10%	March 2021 March 2022 March 2023	Opportunities being assessed with a possible site at Trent Vale allotments
In Progress 	Action 7	Identify a site for new hedge planting in excess of 50m.	Parks and Green Spaces Manager	15%	March 2021 March 2022 March 2023	New hedge to be planted at Colliers Wood winter 2020/21
In Progress 	Action 8	Identify opportunities to implement new pocket parks taking advantage of central government funding.	Parks and Green Spaces Manager	5%	March 2021 March 2022 March 2023	As yet no scheme for 2021 identified. The Pocket Park at Redwood Crescent has proved a real challenge with delays and obstacles to overcome but is now almost complete.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 9	Implement appropriate signage including the potential for information boards in parks, explaining how and why the Council manages the environment in the way that it does.	Parks and Green Spaces Manager	50%	Autumn 2021	Signs erected at strategic locations in summer 2020 explaining changes to maintenance regimes. This will continue in summer 2021. Interpretation board installed at Brinsley Headstocks.
In Progress 	Action 10	Undertaken planting work to enhance existing woodlands.	Parks and Green Spaces Manager	15%	March 2021 March 2022 March 2023	Current years planting schemes currently being drawn up.
In Progress 	Action 11	Creation of new woodland copses protected by fencing.	Parks and Green Spaces Manager	15%	March 2021 March 2022 March 2023	Current years planting schemes currently being drawn up. Site identified at Cator Lane Recreation Ground Chilwell

Strand 09: Recycling

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to embed the intent within the Single Use Plastics Policy 2018 including for example reducing the use of plastic bags in refuse and the wider Council.	Waste Services and Strategy Manager	50%	March 2021	Use of plastic bags within the refuse service has been reviewed resulting in a reduction of 500 bags a week being used. The reduction in single use plastic will continue to be monitored and alternative options or working methods considered where possible.
Completed 	Action 2	Develop a programme of activity to ensure that additional resources are immediately effective from appointment.	Waste Services and Strategy Manager	100%	March 2020	Work priorities have been developed for the new recycling role to ensure upon appointment to post the role has direction and can be immediately effective. This will also be an ongoing activity across the service area.
Completed 	Action 3	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Waste Services and Strategy Manager	100%	March 2020	Results from contamination analysis have been used to inform educational messages. This will also be an ongoing activity.
In Progress 	Action 4	Work with the Nottinghamshire Joint Waste Management Group to lobby for additional materials to be recycled.	Waste Services and Strategy Manager	50%	March 2021	Meetings take place each quarter (though COVID 19 has reduced the number for 2020/21) and the issue of additional recyclables within the acceptance criteria will continue to be lobbied for as part of this group.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Develop further video and educational material for schools, businesses, households, and employees in order to encourage behavioural change in regards to recycling.	Waste Services and Strategy Manager	50%	March 2021	Regular meetings have been set up with the Communications Team with the purpose of planning and delivering promotional measures/activities aimed at behaviour change in line with the Communications Campaign Plan
Completed 	Action 6	Develop further strategic actions as part of the Recycling project strand delivery.	Waste Services and Strategy Manager	100%	March 2020	This will be on-going with new identified strategic actions being reported as they come to light.
Overdue 	Action 7	Create a new recycling officer role whose purpose is to promote the principles of the Waste Hierarchy, promote good recycling behaviour and responsible waste management practices	Waste Services and Strategy Manager	50%	June 2020	The delay in implementation has been due to COVID 19 and the subsequent restriction measures implemented following the approval for the role. The role is scheduled to go through the Job Evaluation process in November 2020 and thereafter will be advertised and an appointment to post made. Expected completion before March 2021.
In Progress 	Action 8	Work in partnership with charities, for example on Clean and Green Bulky Waste days, to promote the reuse of items as an alternative to disposal	Waste Services and Strategy Manager	5%	Ongoing	Progress on this has been restricted due to Waste Day Events being postponed due to COVID 19.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 9	Evaluate the refuse and recycling rounds to consider whether further efficiencies can be made by round reconfiguration to reduce the use of fuel and vehicle emissions.	Waste Services and Strategy Manager	5%	March 2022	Following the migration to the system upgrade preliminary work on round cleansing has been undertaken to ensure all rounds have the correct number of bins on them.
In Progress 	Action 10	National Waste Strategy: Implement the statutory measures aimed at increasing recycling for example this may result in additional infrastructure and resources being needed for such as food waste collection and disposal.	Head of Environment / Waste Services and Strategy Manager	20%	Summer 2021	Watching brief being kept on the progress of the Environment Act which will legislate for any measures within the strategy. Most measures have a target implementation date of 2023 onwards.

Strand 10: Housing Delivery

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to deliver the actions within the Housing Delivery Plan 2019 – 2029 .	Head of Housing	10%	Ongoing	Two dementia friendly bungalows at Willoughby Street to be completed January 2021 Planning permission obtained for five specialist flats at Oakfield Road Consultation completed for Fishpond Cottage site Consultation being completed for five garage sites in Chilwell and Watnall
In Progress 	Action 2	Research eco-friendly methods of construction.	Head of Housing	10%	Ongoing	Eco-friendly methods of construction to be considered as part of phase 2 of the Housing Delivery Plan
In Progress 	Action 3	Identification of potential solutions to reduce on-going energy use in all Housing Delivery Plan phase 1 sites, including: • Air Source Heat Pumps • Ground Source Heat Pumps • PV Panels • Water Conservation • Energy efficient lighting • Small wind turbines.	Head of Housing	50%	December 2020	Air Source Heat Pumps have been installed at Willoughby Street Other solutions have been considered and will be considered for remaining garage sites

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 4	Review of existing environmental solutions included in new build developments at Broxtowe Borough Council in last ten years, including survey of tenant experience.	Head of Housing	100%	September 2020	Telephone survey completed with 26 tenants who live in properties with energy efficient features (out of a possible 52 tenants). 76% found the systems easy to use and 28% said their energy bills had decreased. 64% said they would have liked more information about the system prior to moving into the property. This will be addressed for future developments.
Completed 	Action 5	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Housing	100%	June 2020	Four different types of energy efficient measures fitted to new properties on 11 different schemes
In Progress 	Action 6	Determine and report on how the Housing Delivery Plan can reduce carbon impact for all new developments.	Head of Housing	10%	December 2020	Ongoing
Completed 	Action 7	Develop further strategic actions as part of the Housing Delivery project strand delivery.	Head of Housing	100%	June 2020	Completed
Completed 	Action 8	Analysis of repairs and maintenance costs for our properties with energy efficient features, since they were built	Head of Housing	50%	September 2020	Initial work has been completed, which does not show significant increase in cost compared to properties without features. However, as many properties are under 5 years old very few repairs are reported. Exercise to be repeated in 2022.

Strand 11: Housing Improvements

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Formulate the appropriate response to the outcome of the stock condition survey.	Capital Works Manager	60%	October 2020 and Ongoing	Work is underway to analyse the results and to compare/combine with existing data to inform future plans. Additional survey work to start in November 20 (delay due to COVID-19). Finalisation of the analysis will run beyond initial target date and could lead to further ongoing linked actions
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Capital Works Manager	100%	June 2020	
In Progress 	Action 3	Research alternatives to conventional heating systems and report finding.	Capital Works Manager	25%	December 2020	Initial research underway, trial of air source heating on the dementia friendly bungalows, hydrogen technology for boilers possible but will rely on the network and large scale hydrogen generation through renewable power supplies as a nation
Completed 	Action 4	Develop further strategic actions as part of the Housing Improvements project strand delivery.	Capital Works Manager	100%	June 2020	
In Progress 	Action 5	Install external wall insulation to the remaining 94 solid wall properties – this requires careful assessment as most of them are hard to treat as they are in Eastwood's conservation area	Capital Works Manager	5%	December 2024	Some initial investigation has started to look at possible internal insulation due to difficulties of external work, and consideration of planning approvals.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Not started	Action 6	Stock Condition Survey: act on recommendation to install external wall insulation to 53 steel-framed properties in the short term 1 – 5 years	Capital Works Manager		December 2024	
In Progress 	Action 7	Consider how best to address the 30 properties remaining with less-efficient gas boilers and implement the solution / solutions	Capital Works Manager	10%	December 2022	Replacements continue with “A” rated boilers when access is gained or they become void.
In Progress 	Action 8	Consider how best to address the 285 properties remaining with less efficient all-electric systems. In the short term these will primarily be replaced with high heat retention storage heaters, but air source heat pumps will also be trialed at suitable properties	Capital Works Manager	7%	December 2024	The Installation of more energy efficient high heat retention storage heaters has started but progress is slow due to the pandemic.
In Progress 	Action 9	The two new dementia-friendly bungalows at Willoughby Street, Beeston will have air source heat pumps with under floor heating and PV on the roof	Capital Works Manager	75%	March 2021	Work progressing well

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 10	Trial emerging technology: The future of the gas network is under review. Gas boilers are being developed to work on both hydrogen and gas. There is a stock of over 4000 gas boilers in domestic properties. In the short term high efficiency condensing boilers will continue to be used, but emerging solutions will also be trialled.	Capital Works Manager	5%	Ongoing	Air source trial underway with the dementia friendly bungalows. Hydrogen ready boilers have been developed but are not yet available. Network issues also. Air source retro fit trial to be considered when possible
In Progress 	Action 11	Consideration will be given to retro-fitting of PV panels – especially to stock that is not subject to right to buy.	Capital Works Manager	2%	Summer 2021	Desk top study started to review the possibility of using some additional independent living scheme roofs and Kimberley Depot.
In Progress 	Action 12	Loft insulation will continue to be upgraded to the very latest standards every time that other work is undertaken in a property	Capital Works Manager		Ongoing	Insulation checked/topped up as part of other work particularly roof covering replacement. Additional work will also be planned to pick up properties noted during the recent stock survey where improvement is possible above existing levels.

Strand 12: Core Strategy and Planning

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Include proposals relating to energy efficiency and climate change as part of ongoing work on implementing Policy 17 of the Part 2 Local Plan, 'Place-making, design and amenity'	Head of Planning and Economic Development	70%	December 2020	The Part 2 Local Plan was adopted in October 2019. Policy 17 is now being applied when determining planning applications to secure high quality, energy efficient developments. The Annual Monitoring Report is currently being produced which will analyse the effectiveness of applying Policy 17. Improvements will then be identified to secure further benefits
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Planning and Economic Development	100%	May 2020	
In Progress 	Action 3	Gather evidence, including viability evidence, to inform ACS policies that will enforce / expand on NPPF requirements regarding energy efficiency and climate change.	Head of Planning and Economic Development	20%	May 2021	The evidence is being collected as part of the Aligned Core Strategy review (now referred to as the 'Greater Nottingham Strategic Plan'. Addressing climate change is to form a core objective of the Strategic Plan.
In Progress 	Action 4	Develop further strategic actions as part of the Core Strategy / Planning project strand delivery.	Head of Planning and Economic Development	20%	May 2021	As part of developing the Strategic Plan, strategic options are being explored to how environmental benefits can be secured.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Ensure that all Neighbourhood Plans include reference to policies regarding climate change and climate change mitigation.	Head of Planning and Economic Development	30%	On-going	Officers are providing assistance with the production of a number of Neighbourhood Plans and are providing advice to ensure that climate change issues are considered and form part of future policies.
In Progress 	Action 6	Engaging with and ensuring the adoption of a Toton Masterplan which contains innovative proposals for an advanced model of living and working which is highly sustainable.	Head of Planning and Economic Development	50%	March 2021	Consultation on the Toton and Chetwynd Masterplan commenced on 12 th October 2020. Delivering a net zero carbon community is a key objective of the masterplan and sustainability is a key principle which will include promoting new and innovative models of development.
In Progress 	Action 7	Complete the review of the Aligned Core Strategy.	Head of Planning and Economic Development	20%	December 2022	Growth Options consultation closed in September 2020. The consultation responses are currently being considered with the next stage being to develop 'preferred options'. This will include specific policies related to climate change.
Not started	Action 8	Approve the council's participation in a new development corporation which will include ambitious proposals for the development of an international centre for zero carbon futures.	Chief Executive		March 2021	

Strand 13: Technology

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to deliver the actions contained within the ICT Strategy 2017-2021	ICT Manager	85%	Ongoing	Progress against the ICT Strategy will be reported into the Policy and Performance Committee in December 2020.
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Strategic Director	100%	June 2020	
In Progress 	Action 3	Monitor technology development to ensure the Council is able to take advantage of developments that are economically and environmentally advantageous.	Strategic Director / ICT Manager	5%	Ongoing	The ICT team monitors the market in terms of technology developments. More focus will be given to the environmental impact and benefits of technology as we move forward.
Completed 	Action 4	Develop further strategic actions as part of the Technology project strand delivery.	Strategic Director	100%	June 2020	
In Progress 	Action 5	Continue to deliver the actions contained within the Digital Strategy 2020-2024 including building on the existing digital culture to enhance the digital awareness, increase the number of digital services for customers, Members and employees.	Strategic Director / ICT Manager / Corporate Communications Manager	10%	Ongoing	A Communications Plan is currently being developed to support the Digital Strategy 2020-2024. This will help enhance the existing digital culture for customers, Members and employees.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 6	Work with all parts of the organisation to leverage the benefits achieved through the use of technology during the COVID-19 emergency.	Strategic Director	5%	August 2021	Initial discussions have started

Strand 14: Air Quality

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Continue to provide an annual Air Quality Status Report for the Borough which is fit for purpose	Head of Public Protection and HR	100%	Ongoing	2020 Annual Status report approved by DEFRA. Ongoing in respect of preparation of 2021 report
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Public Protection and HR	100%	May 2020	Complete
In Progress 	Action 3	Continue to work with relevant partners in order to bring about improvements in local air quality	Head of Public Protection and HR	0%	Ongoing	Meetings with different parties throughout the year.
In Progress 	Action 4	Review the NO ₂ diffusion tubes network; take proactive action to discontinue sites where the annual air quality levels are comfortably below the objective, and relocate them to new sites within the Borough allowing the identification of "problem" areas to be focussed on.	Head of Public Protection and HR	0%	March 2021	Sites will be reviewed in December 2020 and new sites if required will be started in January 2021.
In Progress 	Action 5	Develop further strategic actions as part of the Air Quality project strand delivery.	Head of Public Protection and HR	20%	October 2020	Possible actions which can be undertaken by Broxtowe Borough Council will be determined in order to inform and update the Annual Status Report

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Not started	Action 6	To encourage employees of BBC to purchase hybrid vehicles and electric vehicles for their personal and business use	Head of Public Protection and HR	0%	March 2021	
Not started	Action 7	Investigate the installation of vertical gardens, using moss to absorb CO ₂ and particulate matter	Head of Public Protection and HR	0%	March 2022	

Strand 15: Hospitality and Support Services

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Completed 	Action 1	Determine and report on approaches that can further reduce the use of single use resources in both the areas of hospitality and support services.	Head of Administration	100%	May 2020	Plastic cups have been replaced by china mugs and glasses in all meeting rooms. Plastic cups have been removed from water coolers. The bin bags used in waste and recycling bins are emptied out and put back each day and only replaced when necessary, rather than being used once.
Completed 	Action 2	Capture and analyse the achievements to date to inform the approach moving forward and the overarching communications programme.	Head of Administration	100%	May 2020	
Completed 	Action 3	Develop further strategic actions as part of the Hospitality / Support project strand delivery.	Head of Administration	100%	May 2020	Coffee machines have been purchased which use recyclable pods. Wooden stirrers have replaced plastic spoons. Packaged tea, coffee etc. is being replaced with loose supplies stored in airtight containers when stocks need to be replenished to reduce the need for any packaging.
In Progress 	Action 4	Investigate the use of environmentally-friendly cleaning products using only naturally derived materials which has a less damaging effect on the environment	Head of Administration	10%	March 2021	Products are being investigated and prices compared to determine the feasibility of using environmentally-friendly products in view of the quantity used.

Appendix 2

Communications Campaign Plan

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 1	Promote progress on each strand in the Climate Change Strategy, increases awareness of the issues and how to help.	Communications and Engagement Officer	30%	Ongoing	Activities include: Assessing current levels of awareness, producing an infographic, reviewing and improving existing materials, digital content, email bulletins, press releases, Broxtowe Matters magazine updates, stakeholder engagement.
In Progress 	Action 2	Use storytelling and engaging 'journey' content to engage residents in what we're doing and how they can contribute.	Communications and Engagement Officer	5%	Ongoing	Activities include: Developing a consistent look and feel for the campaign, videos, promoting topical issues and national awareness weeks.
In Progress 	Action 3	Make information about recycling easy to find, understand and act upon.	Communications and Engagement Officer	60%	Ongoing	Activities include: Website updates, promotion of the online A-Z, promoting what can be recycled across all digital and traditional channels, producing a community resource pack for groups to use and share.
In Progress 	Action 4	Make being conscious about recycling an attractive proposition.	Communications and Engagement Officer	5%	Jan 2021	Activities include: investigating options for postcode prize draws, shout outs and working with businesses to provide prizes to reward behaviour.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 5	Create social opportunities to promote recycling.	Communications and Engagement Officer	10%	Feb 2021	Activities include: targeted work in high contamination areas, resident competitions and challenges, engaging local influencers, maximising on national initiatives and running resident workshops.
In Progress 	Action 6	Ensure that messages about recycling are timely – regular bulletins and reminders.	Communications and Engagement Officer	30%	Dec 2020	Activities include: Increasing the frequency of waste and recycling bulletins, increasing subscribers to these bulletins, reviewing existing materials, campaigns to target key issues.
Not started	Action 7	Make information about recycling easy to find, understand and act upon for businesses.	Communications and Engagement Officer	0%	On hold	Activities include: Training, workshops and best practice guides. Work has been impacted by COVID-19.
Not started	Action 8	Make being conscious about recycling an attractive proposition for businesses.	Communications and Engagement Officer	0%	On hold	Activities include: Developing a business pledge and reward scheme. Work has been impacted by COVID-19.
Not started	Action 9	Create social opportunities to promote recycling to businesses.	Communications and Engagement Officer	0%	On hold	Activities include: Incentive programme and showcasing best practice. Work has been impacted by COVID-19.
Not started	Action 10	Ensure messages about recycling are timely.	Communications and Engagement Officer	0%	March 2021	Activities include: Utilising business bulletins to share resources, promotions to trade waste customers and sending information with business rates bills.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
In Progress 	Action 11	Make information about recycling easy to find, understand and act upon for Broxtowe employees and Members.	Communications and Engagement Officer	5%	Dec 2020	Activities include: Assessing awareness, training sessions, Members' Briefing Pack, regular and engaging intranet content and sustainable hospitality framework.
Not started	Action 12	Make being conscious about recycling an easy and attractive proposition to Broxtowe employees and Members	Communications and Engagement Officer		Feb 2021	Activities include: Practical measures to make 'green' choices easy e.g. location of recycling bins, recycling bin signage.
Not started	Action 13	Create social opportunities to promote recycling to Broxtowe employees and Members.	Communications and Engagement Officer		Feb 2021	Activities include: 'Double your recycling' or 'Half your waste' campaign, to encourage staff to change habits and take these messages back home.
Not started	Action 14	Ensure messages about recycling are timely to Broxtowe employees and Members.	Communications and Engagement Officer		Jan 2021	Activities include: education, reward/recognise achievements and identify 'champions' to encourage others to join and share ideas.
Not started	Action 15	Make discussing Climate Change easy for schools	Communications and Engagement Officer		Sept 2021	Activities include: developing a lesson plan or assembly schools can use.
Not started	Action 16	Make being conscious about recycling an attractive proposition for schools and young people.	Communications and Engagement Officer		Sept 2021	Activities include: Videos, incentives, reward and recognition schemes, primary school promotional visits publicity. These activities have been impacted by COVID-19.
Not started	Action 17	Create social opportunities to promote recycling to young people and schools.	Communications and Engagement Officer		Sept 2021	Activities include: Engaging schools in a challenge/competition and engaging school influencers to work with us on climate change.

Status	Action	Action	Responsible Officer	Progress	Target Date	Comments
Not started	Action 18	Ensure messages about recycling are timely for schools and young people.	Communications and Engagement Officer		Sept 2021	Activities include: Working with the Youth Mayor and Broxtowe Youth Voice on ways to reach young people and engage them in what the Council is doing