County Durham Plan Strategic Flood Risk Assessment - Sequential Test 2019















Altogether better



Flood Risk Sequential Test for the County Durham Plan 2019

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Introduction

This report sets out the Flood Risk Sequential Test for the County Durham Plan. The report forms part of the Strategic Flood Risk Assessment (SFRA) which is being produced by AECOM for Durham County Council (DCC) in partnership with the Environment Agency (EA) and Northumbrian Water (NW).

Sequential Test Methodology

The Council has applied the methodology set out within Section 7 of the Level 1 SFRA, which takes into account the new online national PPG and NPPF Technical Guidance. The results of the SFRA, Sequential Test and (where necessary) Exception Test will be fed into the allocation of sites for the County Durham Plan, the Sustainability Appraisal and Water Management policy.

This report is based on the current evidence base (2018/19) from:

- The Strategic Housing Land Availability Assessment (SHLAA) which identifies sites with
 potential for housing, identifying any issues affecting the development of sites and estimate
 when they are likely to come forward which may be affected by issues such as policy
 constraints or site conditions;
- The Employment Land Review (ELR) which reviews current employment land supply and looks to identify the appropriate type, quality and location of employment land which will be capable of accommodating the economic growth trajectories up to the end of the plan period;
- Jacobs Durham Local Plan Traffic Impacts Report 2018 and
- The Minerals and Waste Technical Paper and from the call for new minerals and waste management sites. The minerals and waste technical paper is the primary evidence document for future minerals and waste planning in County Durham. It contains key evidence relating to mineral resources, mineral working, waste arisings, waste management and provides the basis for the development of new minerals and waste planning policies in the County Durham Plan.

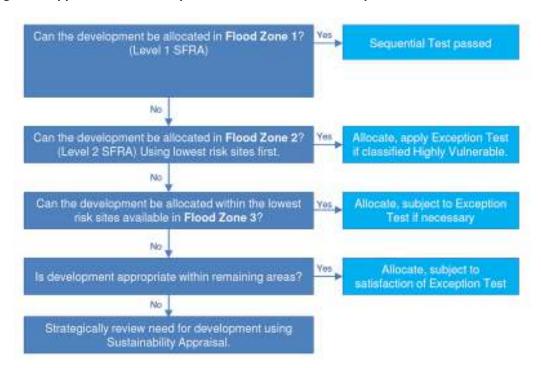
This report will be reviewed at each stage of the Plan making process, where there have been any changes to proposed site allocations.

The Level 1 SFRA has amalgamated the most up to date information from a number of sources and stakeholders. This has been used to create detailed flood risk mapping which has then been overlaid with all of the sites to be assessed from the SHLAA, ELR, relief road, minerals and waste evidence bases.

The Council must demonstrate that, throughout the site allocation process and related Sustainability Appraisal process, a range of possible sites have been considered in conjunction with the flood risk and vulnerability information set out in the SFRA, and that the Sequential Test, and where necessary the Exception Test, has been applied.

The figure below illustrates the approach for applying the Sequential Test ensuring that it is accurately documented and to ensure decision making processes are consistent and transparent.

Figure 1 Application of the Sequential Test for Local Plan Preparation



The Sequential Test requires an understanding of the Flood Zones in the County and the vulnerability classification of proposed forms of development.

Table 1 Provides definitions of fluvial (river and watercourse) Flood Zones

Flood Zone	Fluvial Flood Zone Definition	Probability of Flooding
Flood Zone 1	Land having a less than a 0.1% Annual Exceedance Probability (AEP) (1 in 1,000 chance of flooding in any one year). All land outside Flood Zones 2 and 3.	Low
Flood Zone 2	Land having between a 1% AEP (1 in 100 chance of flooding in any one year) and 0.1% AEP (1 in 1,000 chance of flooding in any one year).	Medium
Flood Zone 3a	Land having a 1% AEP 1 in 100 chance of flooding in any one year) or greater.	High
Flood Zone 3b	Land where water has to flow or be stored in times of flood based on flood modelling of a 5% AEP event (1 in 20 chance of flooding in any one year) or greater, or land purposely designed to be flooded in an extreme flood event (0.1% AEP). Where detailed modelling is not available, it is assumed that the extent of Flood Zone 3b is equal to Flood Zone 3a.	Very High
	For the purposes of this SFRA, land modelled to flood during a 5% AEP (1 in 20 chance of flooding in any one year) has been mapped. Where detailed modelling is not available, it is assumed that the extent of Flood Zone 3b is equal to Flood Zone 3a.	

A summary of the vulnerability classifications, as defined in the NPPF Planning Practice Guidance, is detailed below.

Essential Infrastructure

- Essential transport infrastructure (including mass evacuation routes) which has to cross the area at risk.
- Essential utility infrastructure which has to be located in a flood risk area for operational reasons, including electricity generating power stations and grid and primary substations; and water treatment works that need to remain operational in times of flood.
- Wind turbines.

Highly Vulnerable

- Police and ambulance stations; fire stations and command centres; telecommunications installations required to be operational during flooding.
- Emergency dispersal points.
- Basement dwellings.
- Caravans, mobile homes and park homes intended for permanent residential use.
- Installations requiring hazardous substances consent. (Where there is a demonstrable need to locate such installations for bulk storage of materials with port or other similar facilities, or such installations with energy infrastructure or carbon capture and storage installations, that require coastal or water-side locations, or need to be located in other high flood risk areas, in these instances the facilities should be classified as 'Essential Infrastructure').

More Vulnerable

- Hospitals
- Residential institutions such as residential care homes, children's homes, social services homes, prisons and hostels.
- Buildings used for dwelling houses, student halls of residence, drinking establishments, nightclubs and hotels.
- Non–residential uses for health services, nurseries and educational establishments.
- Landfill* and sites used for waste management facilities for hazardous waste.
- Sites used for holiday or short-let caravans and camping, subject to a specific warning and evacuation plan.

Less Vulnerable

- Police, ambulance and fire stations which are not required to be operational during flooding.
- Buildings used for shops; financial, professional and other services; restaurants, cafes and hot food takeaways; offices; general industry, storage and distribution; non-residential institutions not included in the 'More Vulnerable' class; and assembly and leisure.
- Land and buildings used for agriculture and forestry.
- Waste treatment (except landfill* and hazardous waste facilities).
- Minerals working and processing (except for sand and gravel working).
- Water treatment works which do not need to remain operational during times of flood.
- Sewage treatment works, if adequate measures to control pollution and manage sewage during flooding events are in place.

Water-Compatible Development

- Flood control infrastructure.
- Water transmission infrastructure and pumping stations.
- Sewage transmission infrastructure and pumping stations.
- Sand and gravel working.
- Docks, marinas and wharves.

- Navigation facilities.
- Ministry of Defence defence installations.
- Ship building, repairing and dismantling, dockside fish processing and refrigeration and compatible activities requiring a waterside location.
- Water-based recreation (excluding sleeping accommodation).
- Lifeguard and coastguard stations.
- Amenity open space, nature conservation and biodiversity, outdoor sports and recreation and essential facilities such as changing rooms.
- Essential ancillary sleeping or residential accommodation for staff required by uses in this category, subject to a specific warning and evacuation plan.

Table 2 below shows the flood risk vulnerability and flood zone 'compatibility' as detailed in the Planning Practice Guidance.

Flood Zones	Flood Risk Vulnerability Classification												
	Essential infrastructure	Highly vulnerable	More vulnerable	Less vulnerable	Water compatible								
Zone 1	✓	✓	✓	✓	✓								
Zone 2	✓	Exception Test required	✓	✓	✓								
Zone 3a †	Exception Test required †	Х	Exception Test required	✓	✓								
Zone 3b *	Exception Test required	Х	Х	X	√ *								

Key:

- ✓ Development is appropriate
- **X** Development should not be permitted.

This table does not show the application of the Sequential Test which should be applied first to guide development to Flood Zone 1, then Zone 2, and then Zone 3; nor does it reflect the need to avoid flood risk from sources other than rivers and the sea.

The Sequential and Exception Tests do not need to be applied to minor developments and changes of use, except for a change of use to a caravan, camping or chalet site, or to a mobile home or park home site.

Some developments may contain different elements of vulnerability and the highest vulnerability category should be used, unless the development is considered in its component parts.

- † In Flood Zone 3a essential infrastructure should be designed and constructed to remain operational and safe in times of flood.
- * In Flood Zone 3b (functional floodplain) essential infrastructure that has to be there and has passed the Exception Test, and water-compatible uses, should be designed and constructed to:
 - remain operational and safe for users in times of flood;
 - result in no net loss of floodplain storage;
 - not impede water flows and not increase flood risk elsewhere.

The County Durham Plan

A local plan seeks to guide the future development of a place to improve the lives of its existing and future residents, this includes considering the risk of flooding and the impact of climate change.

The water environment is vital to the well-being of the county. As the Lead Local Flood Authority we work with a number of partners, including the Environment Agency and Northumbrian Water, to ensure development is within environmental limits. This can include issues such as the availability of water to meet demand from housing and industry, the treatment of waste water to acceptable standards, water quality within our watercourses and the capacity of our watercourses to cope with increased volumes of treated waste water, rainfall and/or flood waters both on and off —site.

The NPPF and other Government guidance also sets strict tests to protect people and property from flooding, providing guidance on how to assess, avoid, manage and mitigate flood risk.

Across the county, flood risk is mainly from rivers and watercourses although there are increasing events owing to surface water flooding. The Plan can contribute to reducing flood risk by avoiding development in areas at greater risk of flooding and requiring Sustainable Drainage Systems, where appropriate, when planning and allocating sites for new development. This is particularly important due to the predicted increase in flooding due to climate change.

Sequential Test of the County Durham Plan

This section of the report provides a sequential test of the proposed site allocations within the County Durham Plan. Tables 1 to 4 demonstrate the application of the Sequential Test to the sites identified in the Plan, informed by the database in Appendix A. Where sites are identified as being within a flood zone the table considers whether there are any alternative development sites in lower flood zones and compatibility with flood vulnerability classifications. The tables determine which development sites require more detailed assessments and Exception Testing. These sites will be carried forward into a Level 2 SFRA.

Potential Housing Allocations

Table 1	. Sequential Test of County	Durham Plan Potential Housing Allocation Sites										
1.	Is the proposed development site in Flood Zone 1 – Low Probability of flood risk?											
Yes	The following development sites are located wholly within flood zone 1											
	SHLAA Reference	Site Name										
	1/CO/07, 1/CO/08	Laurel Drive										
	1/CO/16	Rosedale Avenue										
	1/CO/42	South of Knitsley Lane										
	1/CO/89a	Blackfyne Community Sports College										
	1/CO/89d	Muirfield Close										
	2/PE/11	Former Roseberry School site										
	3/BA/21	Former Chamberlain Phipps Site										
	3/BA/31a	East of Bracks Road										
	3/CR/02	High West Rd										
	3/WI/03	Land to East of Ash Drive										
	3/WO/20	Land off Leazes Lane										
	4/BE/01	Cook Avenue										
	4/BE/06	Cook Avenue North										
	4/DU/101	Sniperley Park										
	4/DU/104	Sherburn Road										
	4/DU/118	North of Hawthorne House										
	4/DU/157	Former Gilesgate School										
	4/DU/161	South of Potterhouse Terrace										
	4/DU/93	Skid Pan										
	5/PE/01a, 5/PE/01b	North Blunts										
	5/SE/09	Seaham Colliery										
	5/SE/21	Former Seaham School										
	7/NA/005	Eldon Whinns										
	7/NA/186	Cobblers Hall										
	7/NA/313	Copelaw										
	7/NA/326	Land at Woodham College										
	7/SP/097	Former Tudhoe Grange Upper School, St Charles Rd										
	7/SP/333	Former Tudhoe Grange Lower School, Durham Rd										
	Development sites in Fl	ood Zone 1 are considered appropriate and there is no need to										
	proceed with the seque											
No	There are no sites (or pa	arts of sites) which fall within Flood Zones 3B, 3A or 2.										

Potential Employment Allocations

Table 2 Sequential Test of County Durham Plan Potential Employment Allocation and Safeguarded Sites 1. Is the proposed development site in Flood Zone 1 – Low Probability of flood risk? Yes The following development sites are located wholly within flood zone 1. Site Ref. **Site Name** EMP2 Abbeywoods (Durham City) all allocated plots EMP3 Belmont Industrial Estate (Durham City) all allocated plots **Bowburn North Industrial Estate** EMP4 EMP14 Meadowfield Industrial Estate all allocated plots EMP16 Dragonville (Durham City) EMP17 Aykley Heads all allocated plots Peterlee North West Industrial Estate all allocated plots EMP27 EMP29 Sea View Industrial Estate (Horden) EMP32 Peterlee South West Industrial Estate all allocated plots EMP36 Jade Park EMP38 Harmire Industrial Park (Barnard Castle) Stainton Grove Industrial Estate (Barnard Castle) EMP46 EMP49 Randolph Coke Works (Evenwood) all allocated plots South Church Enterprise Park (Bishop Auckland) all bar one EMP52 allocated plots (see below) EMP53 Low Willington Industrial Estate St Helen Auckland Industrial Estate all bar one allocated plots (see EMP56 below) Land at Tow Law (Inkerman) EMP64 EMP65 Dans Castle Industrial Estate (Tow Law) EMP89 Drum Industrial Estate (Chester-le-Street) Stella Gill Industrial Estate (Chester-le-Street) EMP92 Westline Industrial Estate (Ouston) EMP97 EMP101 Bowes Business Park (Lambton Park) EMP101A Lambton Park Estate **EMP104** Villa Real Business Park (Consett) Delves Lane (south) EMP106A Leadgate Industrial Estate EMP117 **EMP124** Tanfield Lea Industrial Estate (North) Tanfield Lea Industrial Estate (South) all allocated plots **EMP125 EMP128** Greencroft Industrial Estate (Annfield Plain) all allocated plots **EMP129** Number One Industrual Estate (Consett) all allocated plots Hownsgill Industrial Estate (Consett) all allocated plots **EMP130 EMP132** Aycliffe Business Park (North) all bar one allocated plots (see below) Aycliffe Business Park (South) all allocated plots **EMP133** Merchant Park, Newton Aycliffe all bar one allocated plots (see **EMP135** below) **EMP138** Chilton Industrial Estate **EMP139** Chilton Extension Fishburn Industrial Estate all allocated plots **EMP142 EMP146** Dean and Chapter Industrial Estate (Ferryhill) Green Lane (Spennymoor) all allocated plots EMP149 Netpark (Sedgefield) all allocated plots included safeguarded site **EMP150** George Reynolds Est. (Futures Business Park) EMP151 EMP152 All Saints Industrial Estate (Shildon) all allocated plots

Forest Park, Newton Aycliffe

EMP154

No The following development sites are within Flood Zone 1, with small margins in Flood Zone 2 Medium Probability of flood risk.

Buildings used for shops; financial, professional and other services; restaurants; cafes and hot food takeaways; offices; general industry, storage and distribution; non-residential institutions not included in the 'More Vulnerable' class; and assembly and leisure are classed as Less Vulnerable within the Planning Practice Guidance. As such it is assessed as an appropriate form of development in FZ2 and therefore there is no need to progress with a sequential test. Given that only a small proportion of these sites fall within FZ2 built development can be avoided within the flood risk areas. ¹

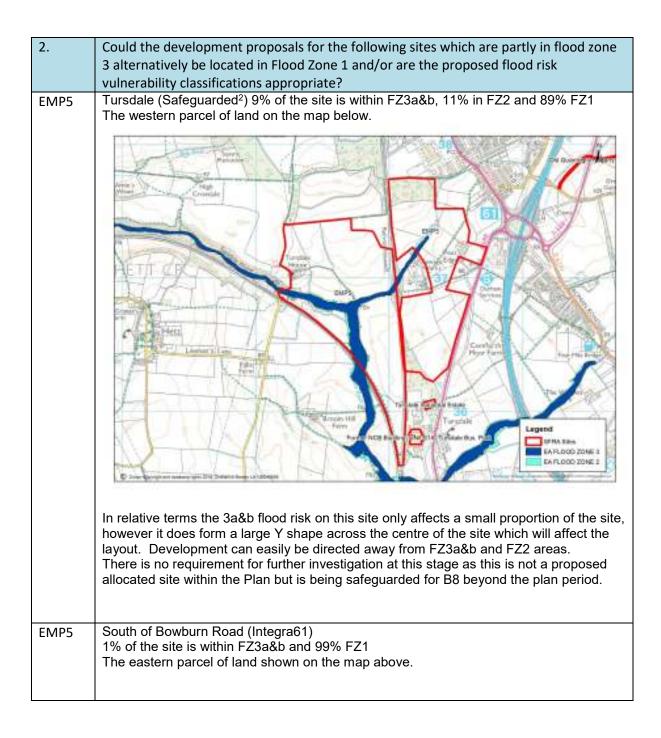
Site Ref.	Site Name	Percentage of site in Flood Zone
EMP52	South Church Enterprise Park (Bishop Auckland)	4% FZ2 96% FZ1

No The following development sites are located within Flood Zone 3.

Site Ref.		Percentage of site in
	Site Name	Flood Zone
		9% FZ3a&b 11% FZ2 89%
EMP5	Tursdale (Integra61)	FZ1
		1% FZ3a&b 1%FZ2
EMP5	South of Bowburn Road (Integra61)	99%FZ1
		2% FZ3a&b 2% FZ2 98%
EMP48	Land at Shaw Bank (Barnard Castle)	FZ1
		33% FZ3a 51%FZ2
EMP56	St Helen Auckland Industrial Estate	49%FZ1
		5% FZ3a&b 7% FZ2 93%
EMP132	Aycliffe Business Park (South) one plot	FZ1
		Less than 1%FZ3a&b and
EMP135	Merchant Park, Newton Aycliffe	FZ2 99% FZ1

It should be noted that the protected employment sites have not been assessed as they already benefit from planning permission and any flood risk on site will have been identified and mitigated as part of the approval process.

¹ http://planningguidance.communities.gov.uk/blog/guidance/flood-risk-and-coastal-change/flood-zone-and-flood-risk-tables/table-2-flood-risk-vulnerability-classification/



² Safeguarded land is land retained for a specific use beyond the plan period.



In relative terms the flood risk on this site only affects a small proportion of the site and development can easily be directed away from FZ3a&b and FZ2. This site has received outline planning permission for 270 dwellings (class C3), a 70 bed hotel (class C1), a 60 bed residential care home (class C2/C3), a 3.96ha solar farm, change of use of 710m2 of agricultural land to residential garden space, 170,859m2 of general industrial, storage and distribution (class B2/B8), 1,858m2 of restricted goods retail (class A1), 409m2 restaurant/café/takeaway (class A3/A5), 613m2 public house (class A4), 450m2 children's nursery (class D1), 400m2 GP surgery (class D1) and 1860m2 car showroom (class sui generis). The flood risk issue on this site has been addressed through a comprehensive Flood Risk Assessment as part of the planning application process. No development is proposed within the flood zone, which will be incorporated into a green corridor and SuDS scheme. A road crossing of the Bowburn Beck is currently proposed which may cross flood zone 3b (although the exact location is yet to be confirmed) however the FRA concludes that the crossing can be constructed such that its soffit is above the conjectural flood level (plus 300mm freeboard) and could span the entire flood zone 2/3 envelope.

EMP48 Land at Shaw Bank (Barnard Castle) 2% of the site is within FZ3a&b, 2% in FZ2 with 98% FZ1



In relative terms the flood risk on this site only affects a very small proportion of the site. Development can easily be directed away from FZ3a&b and FZ2 areas. There is no requirement for further investigation at this stage as any future planning application on this site can easily avoid development in the Flood Zone. There are other employment allocations within the Barnard Castle Area (which is a key area for employment in the west) but there are no other sites of this scale within proximity of this settlement. Whilst it may be possible to find a large enough site elsewhere in Teesdale it would not be sequentially preferable in sustainability terms.

EMP56 St Helen's Auckland Industrial Estate 33% of the site is within FZ3a and 51% within FZ2 with 49% in FZ1.



Whilst the flood risk on this site covers around half of the site, flood modelling for this area is thought to be at a scale which does not take into account the local ground conditions and topography. As this is a single plot on part of a larger industrial estate and less vulnerable uses (such as general industrial) are classed as appropriate development in FZ 3a and 2, therefore sequentially it would not be logical to relocate the site.

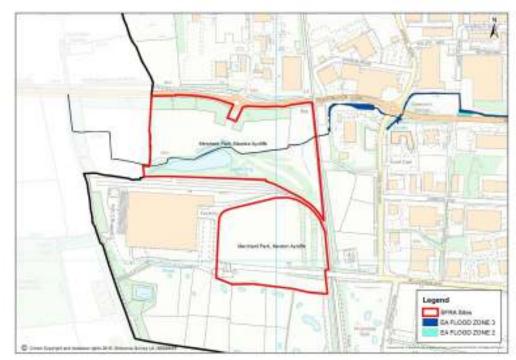
EMP13 2

Aycliffe Business Park (North) 5% of the site is within FZ3a&b, 7% is within FZ2, with 93% FZ1.



In relative terms the flood risk on this site only affects a very small proportion of the site. Development can easily be directed away from FZ3a&b and FZ2 areas. There is no requirement for further investigation at this stage as any future planning application on this site can easily avoid development in the Flood Zone. As this is a single plot on part of a larger operational business park, sequentially it would not be logical to relocate the site.

EMP135 Merchant Park, Newton Aycliffe. Less than 1% of the site is within FZ3a&b and FZ2 with 99% FZ1.



In relative terms the flood risk on this site only affects a small proportion of the site, however it does cut across the centre of the site which will affect the layout. Development can easily be directed away from FZ3a&b and FZ2 areas. The site is part of an existing industrial area with links to the new Hitachi development and so sequentially it would be illogical to try and relocate this potential allocation to a lower risk area.

Flooding issues associated with Demon's Beck have already been addressed through the introduction of balancing ponds brought forward as part of the Hitachi development. This indicative layout for future development of this site shows that the units could be located away from the flood zones.



Indicative site plan from http://merchantpark.co.uk/

Potential Purpose Built Student Accommodation (PBSA) Allocations

Table 3	Sequential Test of County Durham Plan Potential PBSA Allocation Sites									
1.	Is the proposed development site in Flood Zone 1 – Low Probability of flood risk?									
Yes	The following development sites are located wholly within flood zone 1									
	Site Name									
	Leazes Road									
	Howlands (Josephine Butler and Ustinov)									
	James Barbour House									
	Elvet Hill Car Park									
	Mill Hill Lane									
	St Mary's College									
	Development sites in Flood Zone 1 are considered appropriate and there is no need to proceed with the sequential test									
No	There are no sites (or parts of sites) which fall within Flood Zones 3B, 3A or 2.									

Potential Western and Northern Relief Roads

In order to reduce the dominance of car traffic, relieve existing highway network problems, facilitate growth, address air quality and improve the historic environment the council proposes to deliver a number of transport interventions in Durham City. These measures include the construction of a Western Relief Road (WRR) and the safeguarding of two potential routes for a Northern Relief Road (NRR). The WRR requires a bridge to cross the River Browney and the NRR requires a bridge to cross the River Wear. As the route of the NRR has not yet been decided, and the route is merely safeguarded in the County Durham Plan, it is not addressed further in this sequential test. The following assessment has been carried out in relation to the WRR.

Table 4 S	equential Test of County Durham Plan Western Relief Road (WRR)												
1.	Is the proposed development site in Flood Zone 1 – Low Probability of flood risk?												
Yes	The majority (98%) of the route of the WRR is within Flood Zone 1.												
No	At the point at which the road crosses the River Browney, it requires a bridge which spans flood Zones 2 and 3.												
2.	Could the development proposals for the WRR, which are partly in flood zone 2 and 3 alternatively be located in Flood Zone 1 and/or are the proposed flood risk vulnerability classifications appropriate?												
No	As the River Browney runs west to east across the county and the route of the proposed WRR runs north/south there is no way to avoid crossing the river at some point (see map below). The proposed route takes into account a number of additional factors including environmental, historic and topographical constraints as well as viability and practicality, therefore sequentially there are no alternative locations which would reduce the need for flood zones 2 and 3 to be crossed by a bridge. At the point the bridge will cross the river it would sit approximately 17m above the river and would span approximately 65 metres of flood zone.												
	As shown in the Table 2 above, an exception test will be required for essential infrastructure in flood zone 3a or 3b. Essential infrastructure in flood zone 2 is												

appropriate development. The NPPF makes clear that for the exception test to be passed it should be demonstrated that:

- a) the development would provide wider sustainability benefits to the community that outweigh the flood risk; and
- b) the development will be safe for its lifetime taking account of the vulnerability of its users, without increasing flood risk elsewhere, and, where possible, will reduce flood risk overall.

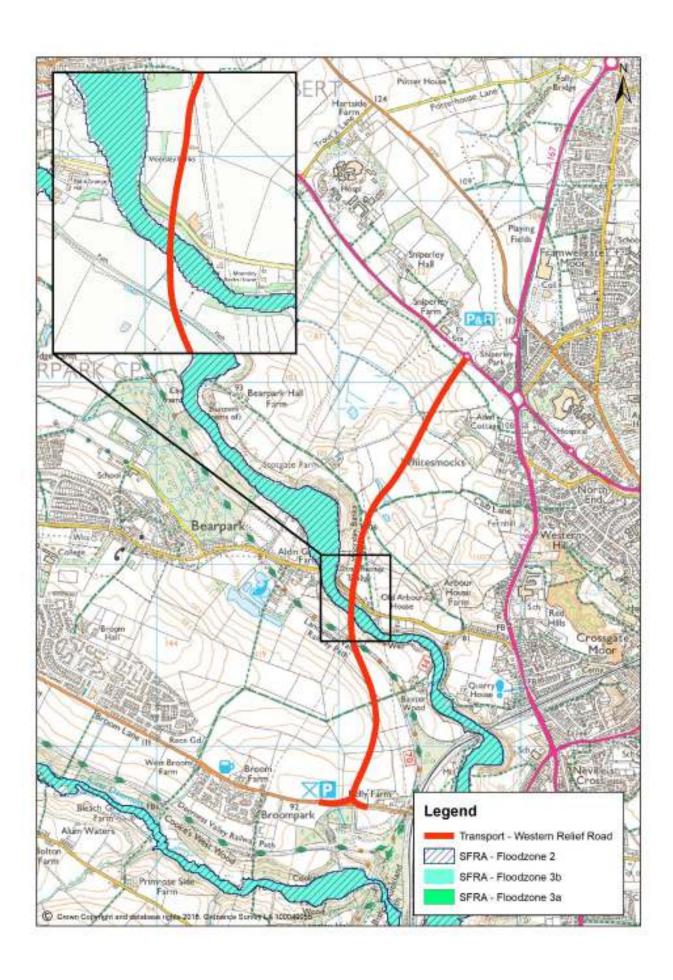
Both elements of the exception test should be satisfied for development to be allocated or permitted.

The details of the road bridge design are still being developed and are not at a stage where the exception test can be applied. A site specific Flood Risk Assessment (FRA) will be carried out as part of any future planning application process and if required, this will include an exception test based on the technical specification of the design. Further work is being carried out in conjunction with the Environment Agency to inform the final design of the bridge i.e. whether the span of the bridge can be supported outside of flood zone 3 (whilst taking into account other constraints in the area) or to demonstrate the construction of and siting of the final structure can be adequately mitigated to ensure the development passes both parts of the exception test. This is not deemed to be a barrier to development.

Wording has also been added to the supporting text of the policy to highlight that "the crossing of the River Browney should not increase the risk of flooding and will need to pass a flood risk exception test if any part of the structure is sited within flood zone 3."

This is line with paragraph 162 of the NPPF which states that when planning applications come forward on sites allocated in the development plan through the sequential test, applicants need not apply the sequential test again. However, the exception test may need to be reapplied if relevant aspects of the proposal have not been considered when the test was applied at the plan-making stage, or if more recent information about existing or potential flood risk should be taken into account.

The map below shows the route of the proposed WRR together with the flood zones in the area.



Potential Minerals and Waste Allocations

For the purposes of this report all proposed minerals allocations have been screened, there are no proposed waste allocations in the Preferred Options document. Minerals working and processing (except for sand and gravel working) are classed as Less Vulnerable within the Planning Practice Guidance. Less Vulnerable development is appropriate in FZ3a and 2 however should not be permitted in 3b.

Table 5 Sequential Test of potential Minerals Allocations												
1.	Is the proposed development site in Flood Zone 1 – Low Probability of flood risk?											
Yes	The following development sites are located wholly within flood zone 1											
	Site Name Site Type											
	Hulands Quarry (Eastern Extension)	Strategic Mineral Allocation										
	Todhills	Strategic Area of Search										
	Heights Quarry (Western Extension)	Strategic Mineral Allocation										
No	There are no sites (or parts of sites) which fall within Flood Zones 3B, 3A or 2.											

Other sources of flooding

From the initial screening of the housing sites (Appendix A) some of the sites have been identified as having surface water and/or groundwater flood issues. At this stage the extent of these flood issues are not considered to be a barrier to development, however they will need to be addressed as part of the application and development stages, as it will influence the overall design of the site including appropriate Sustainable Drainage Systems which specifically address the sites ground conditions. Groundwater susceptibility areas for example are mapped at a large scale based on the geology of an area. Further investigation of the groundwater levels for these sites will need to be undertaken as part of the application process, as reliance on soakaways may not be practical in these areas. As part of the Plan development process the Council will continue to review the emerging allocation sites in relation to these other sources of flooding, in order to identify any specific issues where further work will be required with the developer.

It should be noted that the Water Management Policy in the Plan will require **all** sites to consider and address flood risk both on-site and off-site. The findings of this document and the more detailed findings of the SFRA work will be used to inform the planning and SuDS application process.

Conclusion

From this assessment it has become apparent that there are no significant flood risk issues associated with the sites identified and therefore a level 2 Strategic Flood Risk Assessment is not required. None of the proposed housing or PBSA allocations fall within flood zone 3 or 2. Some of the housing sites have surface water or groundwater flood issues and this will be identified as part of the planning and SuDS application process where further work will be required with the developer. Some of the employment sites and the WRR have flood zone 3 and 2 issues which will need to be addressed through design but it is not deemed to be a barrier to development and does not require alternative sites to be found. There are no proposed waste allocation sites in the Plan and none of the mineral allocation sites are located in flood zone 3 or 2.

Appendix A - Sequential Test SFRA Site Analysis

See Appendix C of AECOM SFRA Level 1 Report for explanation of Site Assessment Database Attributes

OUTE ID	OITE TYPE	1144E	0/ F72D	F70 A	0/570 4 570	0/ F 70 F	74 0/ 574	A D-F0\M 20 0	/ D-F014/20 A D-F014/400	0/ D-F0M 400	A D-FOW 4000 0/ D-FOW	M 4000 O	Flanding 00m A040	NAVE 75 A040	ME 50 75 A040M	VE OF FO. ACCOUNT OF
	SITE_TYPE	NAME FZ3B	% FZ3B	FZ3A	%FZ3A FZ2		Z1 % FZ1		% RoFSW 30 Area_RoFSW_100				Flooding_20m AStO NO	SWF_75 AStG NO	WF_50_75 AStGV	/F_25_50 AStGWF_25 NO
3/CR/02 6/BC/01	SHLAA SHLAA	High West Road	0 0	0 0	0	0 0		00 120 00 0	0 374.905488	0	2333.84	1.2 NO 0.5 NO	NO NO	NO NO	YES NO	YES
	SHLAA	Groves Works	0 0	0 0	0	0 0		00 0	0 0) 0	440.70	2.4 NO	NO NO	NO	NO	YES
7/NA/100 7/NA/313		Cobblers Hall Copelaw	0 0	0 0	0	0 0		00 7702.982168	1 13979.78189	1 1	46077.75	4.9 NO	NO NO	NO NO	NO NO	YES
			0 0	0 0	0	0 0		00 7702.962166	1 13979.76169) 1			NO NO	NO	NO	YES
3/BA/31a 5/PE/01a,	SHLAA	Bracks Road	0 0	0 0	0	0 0	23132.06589	00 0	0 0	0	0.00	0.0 NO	NU	NU	NU	YES
	SHLAA	North Blunts	0 0	0 0	0	0 0	23558.99033 1	00 0	0 0		0.00	0.0 NO	NO	NO	YES	NO
4/BE/01	SHLAA	Cook Avenue	0 0	0 0	0	0 0		00 0	0 32.770393	. 0	673.82	1.2 NO	NO	NO	NO NO	NO
5/SE/21	SHLAA	Former Seaham School	0 0	0 0	0	0 0		00 268	1 468		1526.48	4.1 NO	NO	NO	NO	YES
2/PE/11	SHLAA	Roseberry Comprehensive	0 0	0 0	0	0 0		00 3.276	0 715.276		2663.74	9.4 NO	NO	NO	NO	YES
	SHLAA	Gilesgate School	0 0	0 0	0	0 0		00 0	0 112	0	520.00	2.0 NO	NO	NO	YES	YES
	SHLAA	Sniperley Park	0 0	0 0	0	0 0		00 15955.40237	2 23639.53407	3	76816.33	8.7 NO	NO	NO	NO	YES
	SHLAA	North of Hawthorn House	0 0	0 0	0	0 0		00 228.368191	3 1168.347124	17		38.6 NO	NO	NO	YES	YES
	SHLAA	Arizona Chemicals	0 0	0 0	0	0 0		00 104	0 270.6373		3354.15	12.5 NO	NO	YES	NO	YES
1/AP/29	SHLAA	Harelaw School	0 0	0 0	0	0 0		00 599.179783	5 1781.429222	14		24.0 NO	NO	NO	NO	YES
	SHLAA	Consett Swimming Baths	0 0	0 0	0	0 0		00 0	0 0.471534	0	1.27	0.0 NO	NO	NO	NO	YES
1/CO/89d	SHLAA	Muirfield Close	0 0	0 0	0	0 0	19505.62014 1	00 0	0 0	0	0.00	0.0 NO	NO	YES	NO	NO
1/CO/16	SHLAA	Rosedale Avenue	0 0	0 0	0	0 0	21017.24196 1	00 0	0 0	0	509.95	2.4 NO	NO	NO	NO	YES
3/WI/03	SHLAA	Land to East of Ash Drive	0 0	0 0	0	0 0	89159.93246 1	00 734.682273	1 1600.305514	2	4821.59	5.4 NO	YES	YES	NO	NO
3/BA/21	SHLAA	Former Chamberlain Phipps	0 0	0 0	0	0 0	16388.08776	00 1526.934594	9 3464.257125	5 21	5629.64	34.4 NO	NO	NO	YES	NO
7/NA/326	SHLAA	Land at Woodham College	0 0	0 0	0	0 0	44080.78827 1	00 0	0 0	0	0.04	0.0 NO	NO	NO	NO	YES
	SHLAA	Etherley Lane Depot	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	YES	YES
	SHLAA	Murton Colliery	0 0	0 0	0	0 0		00 0	0 0	0	54.87	0.1 NO	NO	NO	YES	YES
	SHLAA	Land off Leazes Lane	0 0	0 0	0	0 0	32210.76919 1	0.000904	0 1.342175	0	12.17	0.0 NO	YES	NO	NO	NO
	SHLAA	Spennymoor Day Centre	0 0	0 0	0	0 0		00 0	0 0	0	340.00	6.8 NO	NO	NO	YES	NO
1/CO/89a	SHLAA	Blackfyne School	0 0	0 0	0	0 0		00 596	1 1100		1876.79	4.4 NO	NO	YES	YES	NO
	SHLAA	South Knitsley Lane	0 0	0 0	0	0 0		00 1899.7048	2 4005.3852	2 3	11887.12	9.4 NO	NO	NO	NO	NO
	SHLAA	Land at Eldon Bank Top	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	YES	YES
4/BE/06	SHLAA	Cook Avenue North	0 0	0 0	0	0 0	21581.50454 1	00 99.170445	0 107.071666	0	1051.08	4.9 NO	NO	NO	NO	NO
7/00/00	CLII AA	Former Tudhoe Grange Lower School,			_		07007.402.12									
	SHLAA	Durham Rd	0	0	0	0 0		00 185.978086	0 364.37485	1	1791.07	4.8 YES	NO	NO VEC	YES	NO NO
3/CR/47 5/SE/13	SHLAA	North of Beechburn Park	0 0	0 0	0	0 0		00 0	0 295.81602	3	891.61 0.00	9.6 NO	NO NO	YES	NO NO	NO YES
5/SE/13 1/CO/21	SHLAA SHLAA	Land at Camden Square	0 0	0 0	0	0 0		00 0	0 332.7011	0	1005.74	0.0 YES 6.8 NO	NO NO	NO NO	NO NO	YES
4/LP/12	SHLAA	Chaytor Road	0 0	0 0	. 0	0 0		00 233.032444	2 400.34168	2	1005.74	11.3 NO	NO NO	YES	NO NO	NO YES
2/PE/01	SHLAA	Land Adjacent to Woodlands Brackenbeds Lane	0 0	0	0	0 0		00 233.032444	0 400.54168	1 0	0.00	0.0 NO	NO NO	NO NO	NO NO	YES
	SHLAA	Former Annfield Community Centre	0 0	0 0	0	0 0		00 0	0 0) 0	0.00	0.0 NO	NO NO	NO	NO NO	YES
	SHLAA	Eldon Whins	0 0	0 0	0	0 0		00 295.306134	1 1227.659155		3618.25	16.0 NO	NO NO	NO NO	NO NO	YES
	SHLAA	Adjacent Hunwick Primary	0 0	0	0	0 0		00 295.306134	0 33.22115	. 5	1209.60	13.4 NO	NO NO	NO	NO	YES
	SHLAA	Dunelm Stables	0 0	0 0	0	0 0		00 0	0 33.22113	. 0	558.73	1.0 NO	NO	NO	YES	YES
	SHLAA	South of Potterhouse Terrace	0 0	0 0	0	0 0		00 0.097272	0 0) 0	1062.49	33.0 NO	NO	NO	NO NO	YES
., 20, 101	5.1E/1/	Former Tudhoe Grange Upper School, St		0 0	· ·	0 0	0210.072000	0.037272	0 0	, ,	1002.40	00.0 110	110	110	110	120
7/SP/097	SHLAA	Charles Road	0 0	0 0	0	0 0	68872.94501 1	00 304	0 312	. 0	1099.65	1.6 NO	NO	NO	YES	NO
	SHLAA	Seaham Colliery	0 0	0 0	0	0 0		00 19.1846	0 733.3193		7937.27	5.4 NO	NO	NO	NO	NO
4/DU/93	SHLAA	Former Skid Pan	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	YES	YES
4/DU/104	SHLAA	Sherburn Road	0 0	0 0	0	0 0	187260.2059 1	00 0	0 137.6605	0	2055.89	1.1 NO	NO	NO	YES	YES
1/CO/07,		Laural Drive														
1/CO/08	SHLAA	Laurel Drive	0 0	0 0	0	0 0	143072.1834 1	00 3142.998514	2 8593.896677	6	28886.53	20.2 NO	NO	NO	NO	YES
EMP02	Allocation	Abbey Woods (Durham City)	0 0	0 0	0	0 0	4844.213235 1	00 0	0 212	4	986.15	20.4 NO	NO	NO	NO	YES
EMP02	Allocation	Abbey Woods (Durham City)	0 0	0 0	0	0 0		00 0	0 0	0	160.60	8.9 NO	NO	NO	NO	NO
EMP03	Allocation	Belmont Industrial Estate (Durham City)	0 0	0 0	0	0 0	9388.401212 1	00 63.661027	1 93.765253	1	283.55	3.0 NO	NO	NO	NO	YES
EMP03	Allocation	Belmont Industrial Estate (Durham City)	0 0	0 0	0	0 0		00 256	0 1340) 2	5678.06	10.4 NO	NO	NO	YES	YES
EMP04	Allocation	Bowburn North Industrial Estate	0 0	0 0	0	0 0		00 0	0 0	0	1.34	0.0 NO	NO	NO	YES	YES
EMP101	Allocation	Bowes Business Park (Lambton Park)	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	NO	YES
EMP101A	Allocation	Lambton Park Estate, Chester-le-Street	0 0	0 0	0	0 0		00 8124	7 10132	9	15453.73	13.1 NO	NO	NO	NO	YES
EMP104	Allocation	Villa Real Business Park (Consett)	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	NO	YES
EMP106A	Allocation	Delves Lane (South)	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	NO	YES
EMP117	Allocation	Leadgate Industrial Estate	0 0	0 0	0	0 0		00 0	0 23.696171	0	133.18	0.8 NO	NO	NO	NO	YES
EMP124	Allocation	Tanfield Lea Industrial Estate (North) 2563.601	32 10	0 2563.59523	10 6265.162	241 25		75 6308.951716	25 9824.932771	39	16837.47	66.1 NO	NO	NO	YES	NO
EMP124	Allocation	Tanfield Lea Industrial Estate (North)	0 0	0 0	0	0 0		00 416	2 720	1 4	3279.10	17.0 NO	NO	NO	YES	NO
EMP125 EMP125	Allocation	Tanfield Lea Industrial Estate (South)	0 0	0 0	0	0 0		00 0.445486	0 0.445486	0	1399.23	6.9 NO	NO	NO	NO	YES
EMP125	Allocation Allocation	Tanfield Lea Industrial Estate (South)	0 0	0 0	0	0 0		00 0 00 439.62842	0 0 0 0	0	18.22	0.5 NO 13.9 NO	NO	NO NO	YES	YES
EMP128	Allocation	Greencroft (Annfield Plain)	0 0	0 0	0	0 0		00 439.62842 00 0	2 657.671241))	2727.02 2.07	0.0 NO	NO NO	NO NO	NO NO	YES YES
EMP128	Allocation	Greencroft (Annfield Plain) Greencroft (Annfield Plain)	0 0	0 0	0	0 0		00 0	0 0) 0	0.00	0.0 NO	NO NO	NO	NO NO	YES
EMP128	Allocation	Greencroft (Annfield Plain)	0 0		0	0 0		00 224	3 264	1	424.00	5.8 NO	NO	NO	NO	YES
EMP128	Allocation	Greencroft (Annfield Plain)	0 0	0 0	0	0 0		00 0	0 0) 0	81.25	1.1 NO	NO NO	NO	NO	YES
EMP129	Allocation	Number One Industrial Estate (Consett)	0 0	0 0	0	0 0		00 0.276823	0 3.081479) 0	278.44	4.4 NO	NO	NO	NO	YES
EMP129	Allocation	Number One Industrial Estate (Consett)	0 0	0 0	0	0 0		00 0	0 0) 0	138.26	5.0 NO	NO	NO	NO	YES
EMP129	Allocation	Number One Industrial Estate (Consett)	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	NO	YES
	Allocation	Hownsgill Industrial Estate (Consett)	0 0	0 0	0	0 0		00 434.966629	0 635.170094	1	4198.59	4.0 NO	NO	NO	NO	YES
EMP130	Allocation	Hownsgill Industrial Estate (Consett)	0 0	0 0	0	0 0		00 645.327633	2 2318.340343		13959.77	36.0 NO	NO	NO	NO	YES
EMP132	Allocation	Aycliffe Business Park (North)	0 0	0 0	0	0 0		00 55.008382	0 370.55527		831.82	5.5 NO	NO	NO	NO	NO
EMP132	Allocation	Aycliffe Business Park (North)	0 0	0 0	0	0 0		00 5.208967	0 26.959067	0	68.66	1.2 NO	NO	NO	NO	NO
	Allocation	Aycliffe Business Park (North)	0 0	0 0	0	0 0		00 0	0 0	0	58.18	0.2 NO	NO	NO	YES	NO
EMP132	Allocation	Aycliffe Business Park (North)	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	NO	YES
EMP132	Allocation	Aycliffe Business Park (North)	U 0	U 0	0	U 0		00 0	0 153.171703		1576.51	6.7 NO	NO	NO	YES	YES
EMP132	Allocation	Aycliffe Business Park (North) 461.5419	ruo 5	5 461.528759	5 655.042	7 00		93 511.007313	5 625.875553	7	882.80	9.4 NO	NO	NO	YES	NO VEC
	Allocation	Aycliffe Business Park (South)	0 0	0 0	0	0 0		00 0	0 4494 970000	0	2.84	0.0 NO	NO NO	NO NO	YES NO	YES
EMP133 EMP133	Allocation Allocation	Aycliffe Business Park (South)	0 0	0 0	0	0 0		00 1042.832831 00 0	2 1424.278368	2	3077.18	4.6 NO 0.1 NO	NO NO	NO NO	YES	YES YES
EMP133	Allocation	Aycliffe Business Park (South) Merchant Park, Newton Aycliffe	0 0	0	0	0 0		00 982.4148	1 2351.803	0	7981.57	11.3 NO	NO NO	YES	YES	YES
	Allocation	Merchant Park, Newton Aycliffe 117.4770	192	0 117.486238	0 117.471	737		00 6159.200295	11 10711.46079		18800.14	34.6 NO	NO NO	YES	YES	NO NO
EMP138	Allocation	Chilton Industrial Estate	0 0	n n	0 117.471	0 0		00 6159.200295	0 0	1 0	0.00	0.0 NO	YES	NO NO	NO	NO
EMP139	Allocation	Chilton Industrial Estate Chilton Industrial Estate	0 0	0 0	0	0 0		00 11.778025	0 83.8944	0	3017.21	4.9 NO	NO NO	NO	YES	NO
EMP14	Allocation	Meadowfield Industrial Estate	0 0	0 0	0	0 0		00 0	0 0) 0	2095.23	1.5 NO	NO	NO	NO NO	YES
EMP14	Allocation	Meadowfield Industrial Estate Meadowfield Industrial Estate	0 0	0 0	0	0 0		00 0	0 0) 0	722.93	0.7 NO	NO	NO	NO	YES
EMP14	Allocation	Meadowfield Industrial Estate Meadowfield Industrial Estate	0 0	0 0	0	0 0		00 5571.44708	10 7085.709939	12		20.5 NO	NO	NO	NO	YES
	Allocation	Fishburn industrial estate, fishburn	0 0	0 0	0	0 0		00 0	0 0) 0	300.69	7.2 NO	NO	YES	NO	YES
	Allocation	Fishburn industrial estate, fishburn	0 0	0 0	0	0 0		00 0	0 0) 0	15.41	0.4 NO	NO	YES	NO	NO
EMP146	Allocation	Dean and Chapter Industrial Estate (Ferryhill)	0 0	0 0	0	0 0		00 0	0 0	0	194.62	8.6 NO	NO	NO	NO	YES
EMP149	Allocation	Green Lane (Spennymoor)	0 0	0 0	0	0 0	12768.01225 1	00 0	0 0	0	86.75	0.7 NO	NO	NO	NO	NO
EMP149	Allocation	Green Lane (Spennymoor)	0 0	0 0	0	0 0		00 0	0 0	0	208.95	0.4 NO	NO	NO	NO	NO
EMP149	Allocation	Green Lane (Spennymoor)	0 0	0 0	0	0 0	39964.42685 1	00 0	0 0	0	344.00	0.9 NO	NO	NO	YES	NO
EMP150	Allocation - Specific	NetPark (Sedgefield)	0 0	0 0	0	0 0		00 0	0 0	0	168.00	1.3 NO	NO	NO	NO	YES
	Safeguarded Specific	NetPark (Sedgefield)	0 0	0 0	0	0 0	225806.8133 1	00 3134.809057	1 5053.541233	2	9183.43	4.1 NO	NO	NO	YES	YES
	Allocation - Specific	NetPark (Sedgefield)	0 0	0 0	0	0 0		00 0	0 0	0	0.00	0.0 NO	NO	NO	NO	YES
EMP150	Allocation - Specific	NetPark (Sedgefield)	0 0	0 0	0	0 0	97619.07164 1	00 1141.185481	1 1842.815278	2	4410.84	4.5 NO	NO	NO	YES	YES
	A.II	GEORGE REYNOLDS INDUSTRIAL ESTATE			_		07070 007 12	00								
	Allocation	(FUTURES BUSINESS)	0 0	0	0	0 0		00 0	0 61.7472	0	286.34	1.0 NO	NO	NO	YES	NO NO
EMP152	Allocation	All Saints Industrial Estate (Shildon)	0 0	U 0	0	0		00 0	0 0	0	100.00	0.4 NO	NO	NO	YES	NO
EMP152	Allocation	All Saints Industrial Estate (Shildon)	0 0	0	0	0		00 136	1 168	1	244.00	2.1 NO	NO	NO	YES	NO
EMP152	Allocation	All Saints Industrial Estate (Shildon)	0 0	U 0	0	0		00 0	0 0	0	0.00	0.0 NO	NO	NO	YES	NO VEC
	Allocation	Newton Park, Newton Aycliffe	0 0	0 0	0	0 0		00 15043.02866	3 27303.59681	5	56702.47	10.0 NO	NO NO	NO	NO NO	YES
EMP16	Allocation	Dragonville (Durham City)	0 0	υ 0	U	U U	16836.66333 1	00 185.4379	1 856.1875	5	4426.35	26.3 NO	NO	NO	NO	YES

Appendix A - Sequential Test SFRA Site Analysis

See Appendix C of AECOM SFRA Level 1 Report for explanation of Site Assessment Database Attributes

SITE_ID	SITE_TYPE	NAME	FZ3B % FZ3B	FZ3A	%FZ3A	FZ2	% FZ2	FZ1	% FZ1	Area	RoFSW_30 %	RoFSW 30 A	rea_RoFSW_100 % F	RoFSW_100 Area	a_RoFSW_1000 %	RoFSW 1000 Sewer_Flooding_2	0m AStGWF_	75 AStGWF_50_7	5 AStGWF_25_	50 AStGWF_25
	County Hall Re-Development Aykley Heads																			
EMP17		nt Aykley Heads	0	0	0	•	0	0 00405.00	1404	400	474 007500		0000 750000	•	0400 40	0.0.110	NO	NO	NO	NO
EMP17	Area - Strategic Allocation - Strategic	Auddentifeede	0	0	0	0	0	0 62435.09		100	471.897502	1	2086.758638	3	6169.40	9.9 NO	NO NO	NO NO	NO NO	NO NO
EMP17	Allocation - Strategic	Aykley Heads Aykley Heads	0	0	0	0	0	0 15945.6 0 12024.66			0	0	0	0	0.00	0.0 NO 0.0 NO	NO NO	NO NO	NO	NO
EMP17	Allocation - Strategic	Aykley Heads Aykley Heads	0	0	0	0	0	0 7388.989		100	0	0	0	0	0.00 285.94	3.9 NO	NO NO	NO NO	NO NO	NO NO
EMP27	Allocation - Strategic	Peterlee North West Industrial Estate	0	0	0	0	0	0 20144.4		100	428.275982	0	1435.128888	7	285.94 5615.33	27.9 NO	NO NO	NO NO	NO	YES
EMP27	Allocation	Peterlee North West Industrial Estate Peterlee North West Industrial Estate	0	0	0	0	0	0 5914.2		100	420.273902	2	1430.120000	7	0.00	0.0 NO	NO NO	NO NO	NO NO	NO NO
EMP27	Allocation	Peterlee North West Industrial Estate Peterlee North West Industrial Estate	0	0	0	0	0	0 59140.72		100	1815.142836	2	3400.228725		7667.20	13.0 NO	NO NO	YES	NO	NO
EMP29	Allocation	Sea View Industrial Estate (Horden)	0	0	0	0	0	0 12848.5		100	1013.142030	0	6.304092	0	157.33	1.2 NO	NO	NO.	YES	NO
EMP32	Allocation	Peterlee South West Industrial Estate	0	0	0	0	0	0 63829.02		100	300.743887	0	576.047789	1	3273.45	5.1 NO	NO	NO	YES	YES
EMP32	Allocation	Peterlee South West Industrial Estate Peterlee South West Industrial Estate	0	0	0	0	0	0 18221.82		100	152.110269	1	220.114507	1	612.04	3.4 NO	NO	NO	YES	NO
EMP36	Allocation	Land at Hawthorn	0	0	0	0	0	0 209423.5		100	1117.92848	1	1450.552559	1	3411.75	1.6 NO	YES	YES	NO	NO
EMP38	Allocation	Harmire Industrial Park (Barnard Castle)	0	0	0	0	0	0 24424.23		100	1117.32040 N	0	1430.332339	0	0.00	0.0 NO	NO NO	NO NO	YES	YES
EMP46	Allocation	Stainton Grove (Barnard Castle)	0	0	0	0	0	0 1959.098		100	0	0	0	0	0.00	0.0 NO	NO	NO	YES	NO
EMP48	Allocation	Land at Shaw Bank (Barnard Castle)	1188.739136	2 1188.74	13007	2	1232.357999	2 77976.98		98	0	0	99.206162	0	908.14	1.1 NO	NO	NO	YES	NO
EMP49	Allocation	Randolph Coke Works (Evenwood)	0	0	0	0	0	0 21692.92		100	0	0	0.200.02	0	0.00	0.0 NO	NO	YES	NO	YES
EMP49	Allocation	Randolph Coke Works (Evenwood)	0	0	0	0	0	0 6511.120		100	0	0	0	0	0.00	0.0 NO	NO	YES	NO	NO
EMP5	Allocation	South of Bowburn Road (Durham Green)	3103.543	1 310	3.547	1	4083.93494	1 585736.8		99	16028.62625	3	25814.27252	4	54895.44	9.3 NO	NO	NO	NO	YES
EMP5	Safeguarded Site	Integra 61	75917.35936	9 75917.3		9	91990.5408	11 733515.4		89	25206.34622	3	44896.50393	5	97736.01	11.8 NO	NO	NO	YES	YES
		South Church Enterprise Park (Bishop																	. = -	
EMP52	Allocation	Auckland)	0	0	0	0	1290.559048	4 30855.20	197	96	0	0	0	0	259.63	0.8 NO	NO	NO	YES	NO
		South Church Enterprise Park (Bishop																		
EMP52	Allocation	Auckland)	0	0	0	0	0	0 39967.68	5563	100	1489.965568	4	2318.889068	6	4039.75	10.1 NO	NO	NO	YES	NO
		South Church Enterprise Park (Bishop																		
EMP52	Allocation	Auckland)	0	0	0	0	0	0 6003.878	3275	100	0	0	0	0	341.76	5.7 NO	NO	YES	NO	NO
EMP53	Allocation	Low Willington Industrial Estate	0	0	0	0	0	0 139567.3	3993	100	157.001095	0	182.654091	0	13266.81	9.5 NO	YES	NO	NO	NO
		ST HELEN AUCKLAND INDUSTRIAL ESTAT	E																	
EMP56	Allocation	AND EXTENSION	0	0 2997.95	59971	33	4675.758089	51 4435.76		49	520.405089	6	1086.161924	12	4444.56	48.8 NO	NO	YES	NO	NO
EMP64	Allocation	Land at Tow Law (Inkerman)	0	0	0	0	0	0 25498.93		100	0	0	0	0	0.00	0.0 NO	NO	NO	NO	NO
EMP65	Allocation	Dan's Castle Industrial Estate (Tow Law)	0	0	0	0	0	0 2622.25		100	0	0	0	0	0.00	0.0 NO	NO	NO	NO	NO
EMP89	Allocation	Drum Industrial Estate	0	0	0	0	0	0 44440.8	1657	100	0	0	0	0	834.98	1.9 NO	NO	YES	NO	NO
		Stella Gill Industrial Estate (Chester-le-Street)																	
EMP92	Allocation	<u> </u>	0	0	0	0	0	0 12964.04		100	0	0	0	0	0.00	0.0 NO	NO	YES	YES	NO
EMP97	Allocation	Westline Industrial Estate (Ouston)	0	0	0	0	0	0 14121.53		100	0	0	30.9902	0	868.32	6.1 NO	NO	YES	NO	NO
Polygon		Hulands Quarry Extension	0	0	0	0	0		5513	100	0	0	0	0	2395.38	1.1 NO	NO	NO	YES	YES
Polygon		Todhills Brickworks	0	0	0	0	0	0 327	7358	100	37.755125	0	553.576168	0	9705.90	3.0 NO	NO	YES	YES	YES