



RESILIENCE and FLOOD ACTION PLAN

East Haven is a rural coastal community on the Angus coast lying approximately 3 miles north of Carnoustie and 5 miles south of Arbroath. It has a population of around 100 residents living in a mix of private and rented housing. Crucially, the village is divided by the main north east railway line and access to the beach, coastal path and 22 properties is restricted by a 2m high railway underpass. The only other means of access is across the railway line and farmers field necessitating special procedures.

East Haven is a great place to live and to visit. However, living in a rural coastal community brings many challenges and responsibilities for residents. This resilience and flood action plan highlights the key challenges facing the East Haven community and the actions taken to mitigate against the risks. East Haven works in partnership with the Angus Community Resilience Forum and a wide range of other stakeholders across Scotland.

It should be noted that whilst the community will do everything possible to support the emergency services, key partners and other agencies their interventions do not replace the role of statutory and emergency services.

Challenges/Risks		Risk Likelihood before mitigation	Impact on Community Vulnerability	Actions To Mitigate against Risks	Further Action Needed	Risk Likelihood after mitigation
1	Access to Properties on seaward side. Ensure timely and safe access across the railway line and field for all emergency vehicles accessing properties or beach on the south side of the railway line	High	Potential fatality or poor incident outcome due to delays in response or unsafe use of crossing	- Hard core track installed across the field to avoid risk of vehicles becoming stuck. Speeds up the crossing too. - Village Emergency Telephone System (VETS) in place to support vehicles to find the crossing, use if safely and negotiate the vehicular access route to properties and/or beach. - Continue to try and persuade NR to allow EHT to pay for new signage in accordance with New Dept of Transport Regulations.	Network Rail are unreliable and often unable to respond in emergencies. Continue efforts to engage and collaborate with the organisation. Encourage Network Rail to prioritise public safety by working in partnership.	High
2	Major Incidents, Power outages / Adverse weather events/ Water Supply interrupted.	High	Several people very vulnerable and at risk when left without heat, light, water, phone	- EHT linked to Angus Community Resilience Forum What's App and P1. - Profile of properties and householders undertaken to highlight need and risk. - Resilience equipment: 2 Mobile GasHeaters, 5 flasks, Portable lights, Large portable gas cooker, Generator. Pumps. Communication equip. - Resilience Volunteers in each area of village. - Scottish Water unable to prioritise EH's single pump sewage station in a major outage.	Power outages have improved since SSSEN undertook repair and improvements work following storm Arwen.	Med
3	Road Safety C61 Reduce vehicular risks to walkers and cyclists on the C61	High	Serious accidents have occurred between 2018 and 2020.	- Angus Council have established a new speed limit on approach to the village. 40mph down to 30mph and 30mph to 20mph. - LPP consultation has highlighted a need to develop an off road path up to Scryne.	EHT working with AC/WalkWheel Cycle Trust to progress development of new off road path	Med

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4	Flooding of properties and key access areas due to blocked culverts, agricultural field run-off and storm impacts.	High	Flooding Financial, Physical and mental health impacts	- EHT working to engage all stakeholders to understand the causes and prevent flooding where possible. Reports written. Videos created. Residents consulted. - Visit from Scottish Flood Forum who have advised on mitigation strategies and appropriate flood protection products. - Encourage maintenance of field drains and do everything possible to prevent flooding from agricultural land to properties. - Profile of properties and householders undertaken to highlight need and risk. 2 Evak puddle Pumps available. Flood sax in strategic areas of village. - Resilience Volunteers in each area of village. - Flood Barrier installed at the underpass in Long Row which has been identified as a high risk area for flooding during storm surges.	Continue to maintain pressure on Network Rail to fulfil their legal responsibilities to repair and maintain culvert and drains.	Med
5	Wild Fires in Dunes caused by BBQs in wrong place or poor disposal. Also Cigarette butts.	High	Risk to properties on both sides of village. Train disruption	- Signage to inform, educate and gain support from public. - Fire and Rescue and wider Emergency Services support EH and carry out live exercises. - ATV and Trailer critical for coastal incidents and for carrying equipment and personnel. - Remove wood from beach to reduce opportunities for visitors to create beach fires.	Bothy to be used as welfare area. Public toilets to be kept open during any incident. Further exercises to be undertaken	Med

Challenges/Risks		Risk Likelihood before mitigation	Impact on community/ Vulnerability	Actions To Mitigate against Risks	Further Action Needed	Risk Likelihood after mitigation
6	Coastal Erosion	Med	- Flooding of low lying properties - Loss of wildlife habitat	- Continue to work with Coastal Adaptation partners to understand and mitigate against risks. - Continue managed realignment by maintaining the natural defence line through Dune Management. - Dune Measuring to monitor erosion and accretion. (Ongoing since 1993) - Grow and Plant Marram and Lyme grasses - Dune Watch - Prevent unauthorised vehicular access along beach and dunes. - Work in partnership with Angus Climate Hub, Angus Council, Climate Ready Tayside, Universities and Scottish Gov. - Remove invasive species.	Continue to place pressure on Scottish Gov to produce high level co-ordinated national strategy to address coastal adaptation.	Med
7	Sudden cardiac arrest. <i>In the past, 3 people have died in the village from sudden cardiac arrest.</i>	High	Potential fatalities	- Public Access Defibrillator in place - Residents undertake CPR defibrillator training and updates - Village Emergency Telephone System (VETS) in place	Annual CPR and Defib update training for residents	Low
8	Residents maintain all the unadopted roads	High	Damage to cars Access for emergency and service vehicles	- Residents undertake repair and maintenance of all unadopted roads. Road funds in place. - Salt bins purchased for Craig Rd. - Ensure drains are clear in village square and under railway bridge. Clear leaves in November.		Low

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9	Street Lighting no longer provided on on Unadopted Roads by the Local Authority.	Medium	Risk of falls or other incidents. Injuries from falling lamp posts	• Three new solar lights installed in car park in Dec 2022. Proving very effective. • Repairs made to solar panels after storm Babet. • Risk of old lamp posts falling during storms. Could cause fatalities and LAs do not appear to have resources to survey and risk assess their infrastructure on an annual basis.	Residents to monitor safety of old lamp posts and report any concerns to Angus Council.	Low
10	Bus service under periodic threat of withdrawal	Med	Social Isolation Lack of access to local services	• Residents make good use of local bus service • Monitor use and threats • Bus Box painted on road in 2021 to protect bus parking space	Evaluate demand led transport initiatives	Med
11	House Fires Access to properties affected by fire. Access to water supply.	High	Fatalities and/ or destruction of properties	• Home Fire Safety Visits • Keep Craig road and Beach Rd clear at all times i.e (no parking on roadway, • Residents to maintain Fire Hydrants in their areas of the village. • Track created across field to assist the Fire Service to cross easily. • Village Emergency Telephone System (VETS) in place	Track to be kept visible and clear.	Low But high in above circumstance
12	Proximity to Sea and Water safety	Low	Accidental drowning Deliberate drowning (self harm)	• RNLI risk assessment in place • Water Rescue Equipment installed • Public information on local water safety • Tractor, ATV and boat in village • Residents' Dune Watch • Observe for risky behaviours including inflatables	Review of gate area at boat track to be undertaken to prevent unauthorised vehicular access on to beaches cars getting stuck.	Low

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13	Individual septic tanks (24 properties on seaward side).	High	- Blocked/ overflowing tanks - Risk of marine contamination	- Ensure all septic tanks registered with SEPA - One resident (SE) co-ordinates annual septic tank emptying for all residents - Leaflet on 'Looking after your Septic Tank' delivered to all residents - Ensure no pressure on Village septic tank and monitor carefully during power outages. - Residents to obtain licenses to carry out any work on SSSI for Septic Tank overflow pipes. - New drainage track created along Craig Road in 2025 to prevent back pressure on household sewage drainage system.	Further work required to mitigate against the risk of septic tank outlet pipes emptying onto beach due to eroded dunes.	Med to High
14	Main village on a single pump sewage station PTTs & properties on the landward side of village connected to Single Pump Station village septic tank.	High	Pressure on single pump system or lack of power can result in sewage back flow into properties	- NRVs fitted to properties in Station Row in 2016 to try and prevent toilets from backing up. - Main pump stationed alarmed but this fails in a power outage - Residents to help keep burn clear in stormy weather to prevent back pressure on village septic tank. - Residents in Station Row may require special support measures in the event of any extended power outage. - Soakaway from village septic tank exits into sea via long outfall pipe - Sewage Related Debris monitored and data uploaded to MCS, SEPA and SW	Network Rail need to urgently repair the culvert which caused a sink hole on the railway line in January 2024. EHT have raised this with the Scottish Gov and may submit a petition to the new parliament in 2026	Med

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15	Land and marine litter	High	• Harms wildlife • Reduces enjoyment of amenity • Poor environmental quality • Damages marine ecosystem	• East Haven is a member of CCN and links with multiple partners • Carry out regular beach cleans and upload survey data to MCS • Critical incident reporting to SEPA and Scottish Water • ATV acquired to remove heavy litter. Winch fitted in 2022. • SWD data and reports uploaded to MCS and SEPA	Continue to try and engage with fishermen in the wider area to change behaviours and prevent loss of gear.	Med
16	Coastal Incidents	High	• Risk to life • Unexploded ordnance. • Emergency Incidents i	Named drivers have undertaken SCORDS course to enable EHT to take Emergency Service personnel along the coast between Arbroath and Carnoustie. Carry heavy equipment. Personnel. Trailer purchased to transport pumps and equipment in 2025.		Med
17	Coastal oil spillage	High	• Impact on people wildlife and coastal habitats	Residents to raise the alarm immediately if they suspect that there may have been an oil spillage affecting the coastal environment. Angus Council and key agencies have a comprehensive oil pollution plan in place. It will be activated immediately	Contact Angus Council Emergency line. Coastguard on 999. Also SEPA's 24 hr Pollution Hotline 0800 80 70 60	Low

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18	• Previous poor environment • Fly Tipping • Overgrown areas • Inappropriate use of bonfires in village	High	• Poor environmental quality • Lack of respect and village pride	• Multiple Pride in Place Initiatives. • Keep Scotland Beautiful - Sustrans - Multiple partners. • Community gardens. • Lease ground from Angus Council. • Promote Scottish Outdoor Access Code. • Visitor management Strategy in place.	Continue to work with partners to maintain Blue and Green spaces to best possible standard.	Low
19	Protection of marine stranded animals	High	• Loss of wildlife heritage • Risk of disease from dead stranded animals	• Contact BDMLR if a stranded marine animal is identified • Public information boards placed in beach area. • Information provided for the public on East Haven web-site. • Partnership between East Haven Together and BDMLR. Seal Rescue Tank in shed at The Croft.	British Divers Marine Life Rescue (BDMLR) 01825 765546 (office hours) and 07787 433412 (out of hours) SMASS	Low
20	Anti-social behaviour in car park	High	• Criminality • Reduces enjoyment of amenity • Wild toileting if toilets close	• Residents manage and maintain the public toilets • Solar powered lights installed in dark areas of car park • Partnership policy in place with Angus Council and Police Scotland	Continue to nudge anti-social behaviour out of car park with use of solar lights	Low
21	Droughts and water scarcity	Med High	Threats to people and environment	• People encouraged to find new and novel ways of conserving water at all times of year but particularly summer. • Water butts to harvest rainwater. • Drought resistant plant choice for gardens. • Bottled water reserves may be required	Continued conversations and more people modelling new ways of conserving water.	Med High

Appendix 1. Map of East Haven Fire Hydrants

