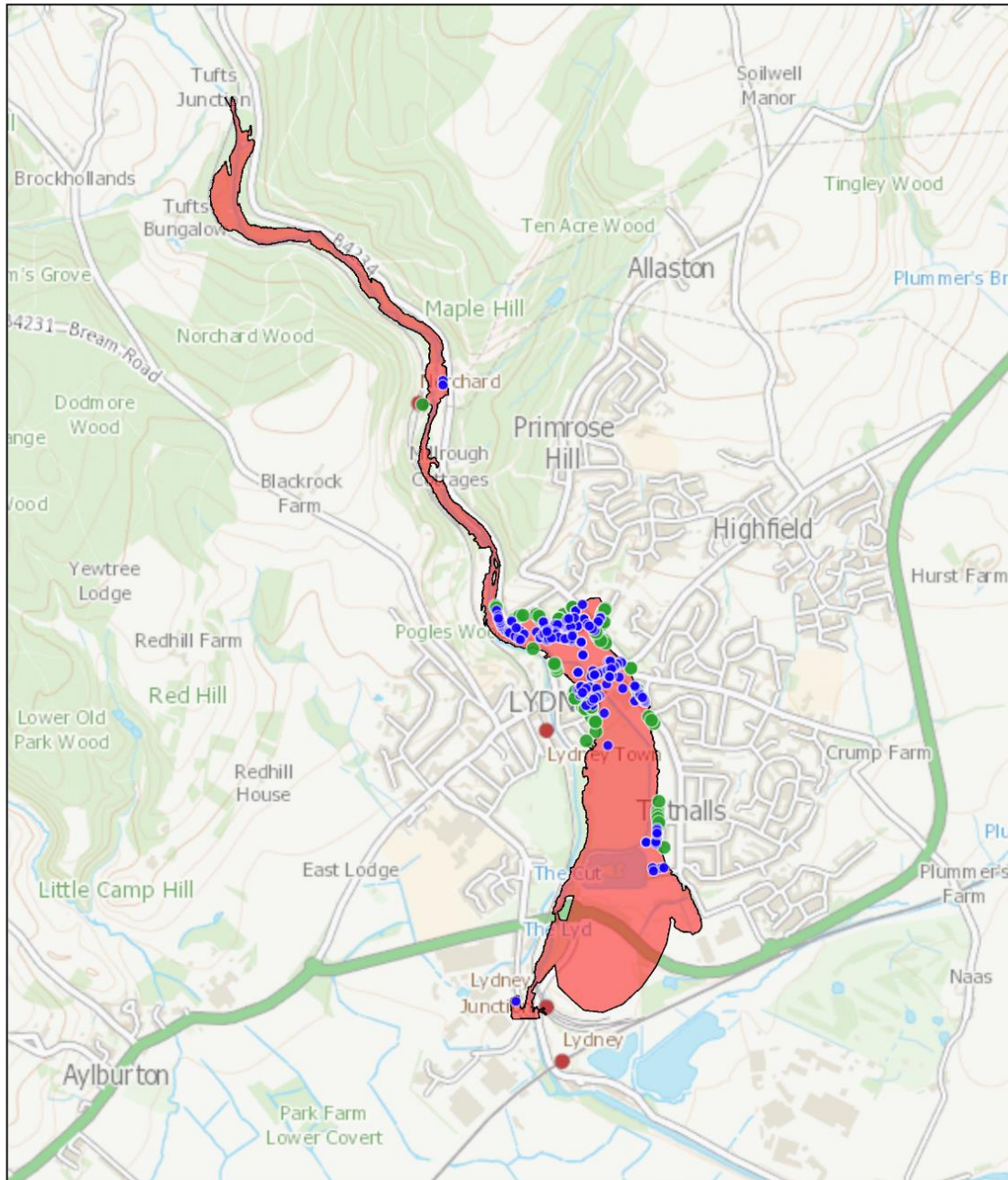


Appendix C – Lydney






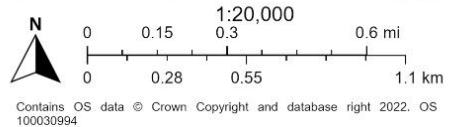
Lydney Rapid Response Catchment and properties at risk of flooding

Created 27/10/2023



Legend

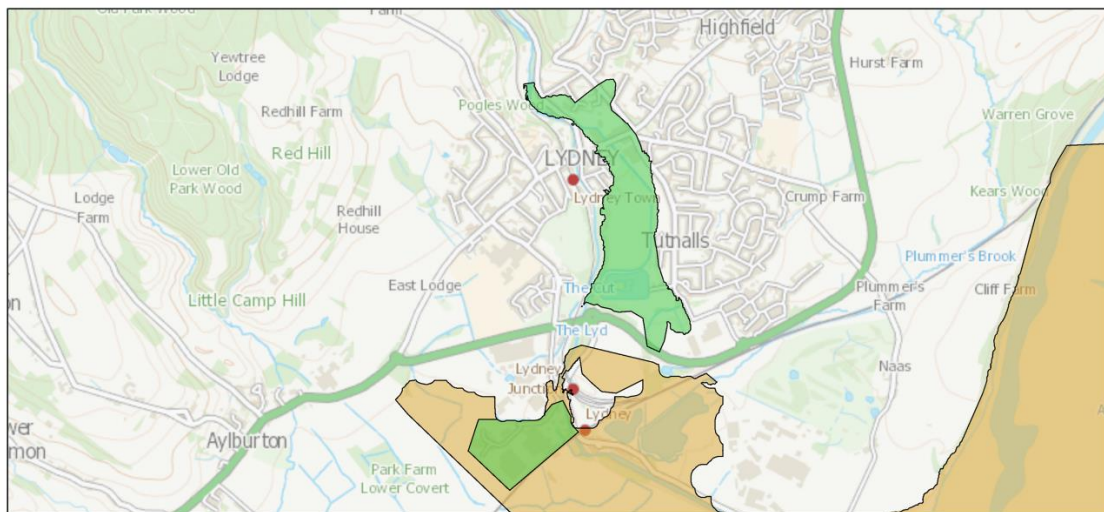
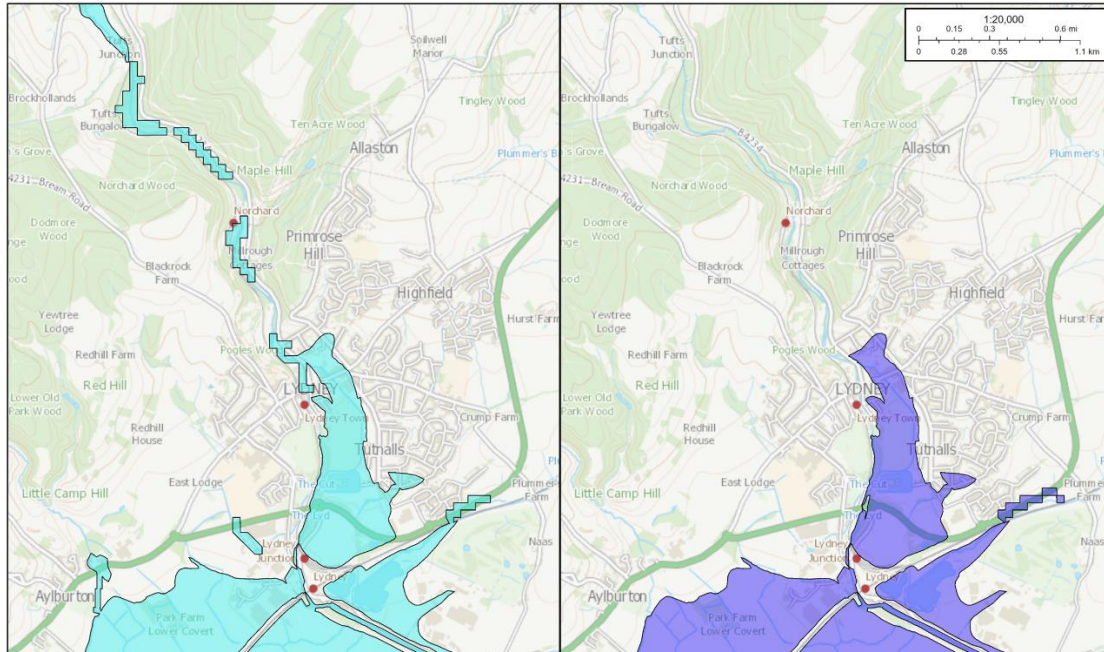
-  Lydney Rapid Response Catchment (RRC)
-  Properties at risk
-  Properties potentially at risk (15m buffer around RRC extent)







**For LRF partners only,
not for public domain**

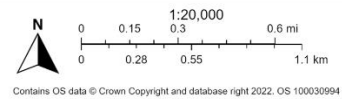
Flood alert/warning areas around Lydney

Created 27/10/2023



Legend

-  Rivers in the Forest of Dean flood alert area (031WAF215)
-  Severn estuary from Gloucester to Sharpness flood alert area (031WAT217)
-  River Lyd at Lydney flood warning area (031FWFLY10)
-  Sharpness and Lydney Harbour on the Severn Estuary flood warning area (031FWTSE710)



Contains OS data © Crown Copyright and database right 2022. OS 100030994

| Catchment Description | |
|---|--|
| <p>The River Lyd catchment covers a significant area of the Forest of Dean; it's tributaries rising to the North of Cannop at around 150 to 220 metres above sea level.</p> <p>The River Lyd (known as the Cannop Brook until Parkend), flows in a steep catchment in a southerly direction through Parkend, Whitecroft, and the town of Lydney. At Lydney, the river is split into two channels, the River Lyd and The Cut. These two channels merge again just downstream of Lydney Railway Station.</p> <p>Beyond this, the River Lyd is canalized on its approach to Lydney Harbour, before its release into the Severn Estuary. A concrete weir structure in Lydney Harbour maintains water levels in the River Lyd, the canal, and Lydney harbour's inner basin.</p> <p>The upper catchment of the River Lyd consists of sandstones and limestones overlain by coal measures. Approaching Lydney town, and towards the Lyd's confluence with the Severn Estuary, the rock type changes to Lower Old Red Sandstone, overlain with more recent alluvium and river terrace deposits.</p> <p>The majority of the Lyd catchment is well established, dense, mixed forest until its emergence upstream of Lydney.</p> <p>The final 4km of the River Lyd is classified as main river, its main upper limit at Lydney.</p> <p>The Upper and Lower Cannop reservoirs are located further upstream of the Rapid Response Catchment and should there be a sudden no notice catastrophic breach the impacts could be similar to Rapid Response Catchment flooding. If this situation did occur both the Rapid Response Catchment Plan and the reservoir flooding plans (both onsite and offsite) may need to be activated to respond.</p> | |
| Number of properties at risk of fluvial flooding | Flood Warning Service |
| <p>There are 213 properties at direct risk of flooding. A further 118 properties plus listed industrial estates could be impacted as a result of flooding.</p> | <p>Lydney is covered by the two Environment Agency Flood Alerts and two Flood Warnings: The "Rivers in the Forest of Dean" (031WAF215) Flood Alert will be issued if the River Lyd exceeds 0.7m at the Lydney gauge, or 0.6m at the Parkend gauge.</p> <p>The "Severn estuary from Gloucester to Sharpness" (031WAT217) Flood Alert will be issued if the River Severn exceeds 5.7m from Minsterworth, 3.5m from Gloucester, or 3.4m at Sandhurst.</p> <p>The "River Lyd at Lydney" (031FWFLY10) Flood Warning will be issued when river levels at the Lydney gauge exceed 1.25m.</p> <p>The "Sharpness and Lydney Harbour on the Severn Estuary" (031FWTSE710). Flood Warning will be issued if the River Severn exceeds 11.45m at the Sharpness gauge.</p> |
| Flood Defences | Gauges and Forecasting |
| <p>There are three separate flood defence schemes that run through Lydney – the Lydney Town and Station Road schemes, which focus on fluvial flood protection from the River Lyd, and the Lydney Harbour scheme which protects from tidal flooding from the Severn Estuary.</p> | <p>The nearest rain gauge is located at Parkend, approximately 7km to the northwest. There is a river level gauge is situated within Lydney itself, around 100m downstream from the southern-most tip of Millrough Wood.</p> |

| Roads and Streets at Risk of flooding | Key services/infrastructure potentially affected by flooding |
|---|--|
| <p>A48 B4231 B4234 Highfield Road Regent Street Forest Road Watermead Newerne Street Hill Street Bath Place Fairfield Road Lydfield Road Harbour Road Station Road</p> | <p>Fire Station, Hill Street, GL15 5HE Ambulance Station, Church Road, GL15 5EA Lydney Community Hospital, Grove Road, GL15 5JE The Lydney Practice, Albert Road, GL15 5NQ Severbank Surgery, Tutnalls Street GL15 5PF Lydney Railway Station. Station Road, GL15 5EW Sewage Treatment Works - Church Road, GL15 5EL and East Marsh, GL15 5PU BT Telephone Exchange, Lydfield Road, GL15 5RS</p> |
| Places of Safety | Rest Centre |
| <p>Lydney Town Hall, High Street, GL15 5DY St Mary's Church, Church Road, GL15 5TL Lydney Community School, Bream Road, GL15 5JH Naas Lane Community Centre, GL15 5AT Primrose Hill Cof E Primary School, School Crescent, GL15 5TA Holy Trinity Church, Primrose Hill, GL15 5SL Severbanks School, Naas Lane, GL15 5AU</p> | <p>Dean Academy, Church Road, GL15 5DZ Dene Magna School, Abenhall Road, Mitcheldean GL17 0DU</p> |