

TREGREHAN FLOODING ISSUES WORKING PARTY

Minutes of meeting held on the 16th January 11am 3 Nettles Corner

Present: Lynn Parson (Chair), Geoff Parsons, Sonia Phillips (Deputy), Neal Barnes and Dave Chitty

The purpose of this meeting is to establish an emergency plan regarding flooding, in and around the Tregrehan area

1. Reviewed contacts , some still need to be up-dated. **LP**
2. New shed will be erected at the back of the Carthouse which will be filled with sand and bags for members of the Parish to use in the case of an emergency. **All**
3. A flyer will go out to all in the Tregrehan village asking if and when properties have been flooded, so we gain a clear picture of flooding occurrences across the village. **LP&SP**
4. James Mustoe will assist with up dates from the Environment agency, Cornwall Council emergency flood risk management team. **JM**
5. Unfortunately we had to postpone river clearance due to back weather. When the weather improves we will reschedule. (Date to be confirmed).**ALL**
6. Contacted the STARR project to see if we can have any help with our flooding issues, awaiting response. **SP**
7. Neal Barnes consulted McCloy's regarding flood mapping within the village, as they wrote the original software. **NB&DC**
8. Response from McCloy's

Further to discussion earlier in the week – see below initial thoughts re how the project might be approached, which will depend on budgets available both for the investigation phase and implementation of any measures.

We appreciate that your brief is to proceed to a flood modelling / mapping study.

For context at the outset – based on prelim review of topography, OS watercourse lines etc, to model the watercourses in the areas where we assume flooding is being experienced / where there are concentrations of receptors (buildings, dwellings, businesses etc) would require min. 3km of modelled reaches. Given apparent complexity (appears to be lots of accommodation culverts, road ditches etc, hydrology appears to be complicated by influence of diversions (mill race?, effect of upstream clay pits)) we would put an initial budget on a river model of c. £30-35k. Survey costs (river cross sections, structures etc) are likely to be similar or greater (i.e. likely min. £70k budget required). This would be to establish baseline flood mapping and before approaching any optioneering or feasibility assessment work.

Typically we would recommend an initial scoping or inception study prior to proceeding to any flood modelling. This would look at factors such as:

1. Hydrological / watercourse and drainage mapping
2. Initial hydrology assessment, contributing catchment etc
3. Mapping of the flood history

4. Review of the flood history – review of rainfall / catchment flow data, establish the approximate probability of the floods that have affected the area, build a picture of the flood frequency / flood probability going forward.
5. Stakeholder consultation – Parish council, County Council LLFA, EA.
6. Review with you of funding sources & scale Large scale scheme would be depended on achieving favourable cost-benefit or multi criteria analysis – is this likely? Any conditions on e.g. EA funding – mapping / modelling may be required to be of a particular standard to allow it to be accepted centrally Local / Property Flood Resilience grants etc – may not require flood modelling?
7. Undertake a review to firm up on likely significant causes or contributors to flooding (to river, from river, influence of structures, artificial influences)
8. Undertake a preliminary review of likely flood alleviation measures – structural measures, viability of flood storage, property-level measures
9. Undertake a preliminary review of likely costs attributable to damages, review whether costs of flood alleviation measure would stack up.
10. Scope any future flood modelling study (if applicable).

Some of what would be included in this work we would expect to be undertaken by an LLFA as Section 19 investigation, if there has been recent flooding (especially recurrent flooding).
Section 19- £13,000 to £17,000

An up-date from Cornwall Council Simon Devril

We are looking into possible ways of alleviating the flow on the PRow and highway and will update you as soon as there is a firm decision on this.

I have also emailed the landowners representative today to ask for their plans to work on the culvert blockage/collapse during the spring/summer to remove impediments before next winter.'

The next meeting will be the 20th February 2023 11am at 3 Nettles Corner