



Location: Ballylongford, Co. Kerry		Unique ID: 240370 (from PFRA database)			
Initial OPW Designation	APSR ⊠	AFRR 🗌		IRR 🗌	
Co-ordinates	Easting: 99500	Northi		ng: 144750	
River / Catchment / Sub-catchment	Ballyline River/ Shannon Estuary				
Type of Flooding / Flood Risk (identify all that apply)	Fluvial non-tidal ☐ Fluvial tidal ⊠ Coastal ☐				

Stage 1: Desktop Review

1.1 Flood History (include review of Floodmaps.ie)

River Flow Path

The Ballyline River flows though the centre of Ballylongford. There are five steams discharging to the Ballyline River in the vicinity of Ballylongford (two before the town, two in the town and one after the town all crossed by bridges).

The Ballyline River is tidal through the village and upstream of Ballylongford Bridge. The river widens significantly north of Ballylongford before discharging into the Shannon Estuary.

Flood Event Records

Cause of flooding in the area attributed to rainfall / runoff from the Ballyline catchment combined with high tide, wind direction and low pressure.

Flood records are listed, including events in Ballylongford itself and south of the village:

- Recurring flood area along the R552 at Gortnacooka Bridge south of Ballylongford.
- Recurring flood area at Bridge Street (village centre).

1.2 Relevant information on flooding issues from OPW and LA staff

PFRA database comments (in italics):

OPW comments

Residential flooding on occasion

LA comments

Land

Meeting / discussion summary comments:

OPW comments

- No OPW assets or any maintenance.
- OPW offered Kerry CC to fund a study (unclear what the status of this was, but not believed to have taken place).
- Mixed fluvial tidal problem.

LA comments

- Generally no problem at the main bridge in town. i.e. it is not considered to be a hydraulic restriction.
- High tides and a northerly wind could be a problem giving tidal flooding.





	 Flooding occurs up at Gortanacooka Bridge, 2km u/s (south) of the village centre, on the Ballyline River. Not significant – mainly fields. There is a lowered part of the embankment just upstream of the crossing of the R552 (Gortanacooka Bridge). There is an additional area at the SW edge of town, where a tributary floods and affects 3 or 4 properties on the left bank of the tributary, between the tributary and the R552 on the edge of the village. Three of these properties are relatively new; one is old. Some fluvial / tidal flooding on Ballyline River, with water flowing over the left bank by the church, through the church gate, and on to Bridge Street. Flooding here is considered to be tidally dominated. No flooding issues on the tributaries flowing in to the tidal section from the east, downstream of Bridge Street (flowing under Quay Street). 				
1.4 PFRA Data					
1.4.1 PFRA hazard	PFRA mapping available in GIS layer:		Yes 🛚	No 🗌	
mapping	PFRA mapping included on FRR m	Yes 🛚	No 🗌		
1.4.2 Summary of Principal Receptors			FRI score (if available)		
			11.1		
			430.67		
1.7 Stage 1 Evaluation	Aspect	Clearly	APSR	Uncertain	
	Flood History (1.1)		Х		
	OPW / LA Information (1.2)		x		
	PFRA Evaluation (1.4)	X			
	Overall Desktop Evaluation				
	(if any above aspect is uncertain then overall designation is uncertain)	X			
1.8 Proposed level of assessment for Stage 2 site visits	Level A Site Visit				
	Level B Site Visit		t	X	





Stage 2: Site Inspection		Level B Assessment			
Date and Time of Inspection			Date: 12/0	04/11	
			Time: 10:	00	
Names of inspection team (including OPW/LA staff if present)		lain Blackwell			
		Kelly Kasperczyk			
2.3 Local knowledge - on-site comments	No on site comments.				
(OPW, LA and any info volunteered by local residents during visit)					
2.4 Comments on hydraulic constrictions	Bridge St in village centre – 3 much as other bridges typical Various road bridge crossings	y found elsewher	re.		
(bridges, etc.) and conveyance routes	and double pipe culverts, and			o, moldaling omgre	
2.6 Defence Assets					
Informal Flood Defence Assets (include effective	pen Channel Watercourses an-made river channel Fliill race ridges and Culvert crossings	ood relief channe Drainage c	_	Canal 🔲	
asset survey and Si	ngle Span bridge	ulti-Arch bridge ulti-Span bridge pe culvert(s)		Arch Culvert(s) ⊠	
measures) Cu	ulverted Watercourses (culvert ex culvert(s) Pipe culvert(s)		-		
	alls and Embankments mbankment(s) ⊠ Ra	aised wall(s)		Retaining wall(s)	
	ontrol Structures – weirs, gates	` *		retemming train(e)	
		djustable weir ock gates		Dam / Barrage Radial gates	
	t orage n-line storage (natural)	ne storage (artific	cial) 🗌	Off-line storage	
Fla i.e Tid	utfalls apped outfall(s) into watercourse a from smaller watercourses, dra dal flap(s) b. from main watercourse into est	ins etc. into river dal sluice(s)			





	Other Pumping Station					
2.8 Initial Potential Mitigation Measures						
Non-structural measures	Planning and Development control Sustainable Urban Drainage Systems Flood forecasting / warning Change in Operating Procedures for water level control: Public awareness campaign Individual property protection Land use management					
Structural measures	Strategic development management for floodplain development: (integration of measures into strategic development proposals) Storage: On-line Off-line Image: On-line Image					
Outcomes						
Recommended Designation	APSR ⊠ not an APSR □ IRR □					
Summary Comme required)	nts (if					







Photo 1: Ballylongford Bridge from the south d/s



Photo 2: Immediately North on the RHS d/s of Ballylongford Bridge a number of unflapped valves/outfalls



Photo 3: North of Ballylongford Bridge and Well Street example of a potential flood defence asset



Photo 4: Low Section of the Ballylongford embankment RHS of the estuary looking north

