



Flood Risk Management

COUNTY SUMMARY

COUNTY: GALWAY

(Information correct as of 31/12/2017)

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1. OPW Capital Investment to 31 December 2017

MAJOR FLOOD RELIEF SCHEMES: 1995-2017

Historically, flood risk management focused on arterial drainage for the benefit of agricultural improvement. Arising from increasing flood risk, the Arterial Drainage Act, 1945, was amended in 1995 to permit the Office of Public Works (OPW) to implement localised flood relief schemes to provide flood protection for cities, towns and villages.

Some schemes have been carried out by the Local Authorities under their own powers using the Planning and Development legislative code. The OPW either works in association with the relevant Local Authorities or funds Local Authorities directly to undertake flood relief works.

COUNTY: GALWAY

No.	Scheme At Design/Planning	Scheme At Construction	Scheme Completed	Properties Protected	Budget (€)	Current Status (or Completion Date)
1	-	Dunkellin & Aggard Stream FRS	-	23 (21 residential)	6.4m	Anticipated Project Completion date: 2019
2	-	Clare River (Claregalway) FRS	-	77	7.13m	Anticipated Project Completion date: Q4 2018
3	Gort Lowlands FRS	-	-	Unknown yet	6m estimated	Very early planning stage. Galway County Council appointed Engineering Consultants before end 2017 with Environmental Consultants in early 2018.
4	-	-	Lackan/Ardrahan	5	0.05m	Scheme Completed 1997
5	-	-	Maam Valley	2	278k	Scheme Completed 2001
6	-	-	Gort Town	21	333k	Scheme Completed 1997

MINOR FLOOD MITIGATION WORKS AND COASTAL PROTECTION SCHEME: 2009-2017

The Minor Flood Mitigation Works & Coastal Protection Scheme (the “Minor Works Scheme”) was introduced by the Office of Public Works in 2009. The purpose of the scheme is to provide funding to Local Authorities to undertake minor flood mitigation works or studies to address localised flooding and coastal protection problems within their administrative areas. The scheme generally applies where a solution can be readily identified and achieved in a short time frame.

Under the scheme, applications are considered for projects that are estimated to cost not more than €750,000 in each instance. Funding of up to 90% of the cost is available from the OPW for approved projects. The commencement and progression of any works for which funding is approved is a matter for each Local Authority concerned.

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
1	Galway City Council	Menlo	Installation of pipe / channel from turlough to River Corrib, together with pumping equipment	121,995	2010
2	Galway City Council	Two Mile Ditch	Construct pump sump & provide mobile pump. Construct pipeline to existing surface water drainage system.	27,000	2010
3	Galway City Council	Two Mile Ditch	Construct pump sump & provide mobile pump. Construct pipeline to existing surface water drainage system.	5,306	2012
4	Galway City Council	Distillery Canal / Eglinton Canal, Galway City	Create a safe access to the siphon, in order to carry out investigative works & detail the remedial works required. Carry out any emergency repair if necessary	90,000	2013
5	Galway City Council	River Corrib, Galway City (Coastal)	Temporary flood defence measures- fenders, gates etc.	117,342	2014
6	Galway County Council	Kilconnell	Works – Upgrading of culvert	36,000	2009
7	Galway County Council	Coolarne, Turloughmore	Replace existing pipe with 900mm pipe for 400m/Pipe open drain for 700m/ Associated works	112,500	2010
8	Galway County Council	Cloonoo, Loughrea	Construct new channel	2,000	2010
9	Galway County Council	Killeevny, Laurencetown	Open culverts under bridge and construct channel	4,050	2010
10	Galway County Council	Caherduff, Gort Road	Clear & reinstate open drain	5,400	2010
11	Galway County Council	Ballinasloe Town Study	Study	9,000	2010
12	Galway County Council	Crowsnest, Laurencetown	Upgrade culverts	9,000	2010
13	Galway County Council	Kylemore, Laurencetown	Upgrade culvert	9,000	2010

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
14	Galway County Council	Rathglass, New Inn	Upgrade culvert	13,500	2010
15	Galway County Council	Turloughgarve, Corrandulla	Install culvert and construct new drain	16,200	2010
16	Galway County Council	Ballyglass, Turloughmore	Assess area downstream for discharge and install culvert under N63	18,000	2010
17	Galway County Council	Poolboy, Ballinasloe	Upgrade culvert	19,800	2010
18	Galway County Council	New Inn Village	Regrade stream & upgrade culvert	31,500	2010
19	Galway County Council	Ahascragh	Channel cleaning	45,000	2010
20	Galway County Council	Gortbeg, Cahergal, Tuam	Improvements to Corrib Clare Arterial Drainage Scheme	49,000	2010
21	Galway County Council	Ballyglunin	Channel widening, upgrading culverts	60,000	2010
22	Galway County Council	Ferragh, Caherlistrane	Improvements to Corrib Clare Arterial Drainage Scheme	115,000	2010
23	Galway County Council	Newtown, Abbeyknockmoy	Improvements to piped drainage system	250,000	2010
24	Galway County Council	Thornfield, Portumna	Widen & deepen existing open channel / Open new section / Clear existing roadside channels / Install new culvert across N65 / Undertake reinstatement works	47,250	2010
25	Galway County Council	Kilcoona	Install a new 450mm piped culvert across the road	4,500	2010
26	Galway County Council	Carraroe Area Office, Inverin	Install new culvert under road	5,850	2010
27	Galway County Council	Bellayarha North	Replace existing culvert with larger capacity structure	9,000	2010
28	Galway County Council	Knockanranny	Replace partially collapsed culvert with a 900mm pipe	10,800	2010
29	Galway County Council	Rahins, Mountbellow	Replacement of culverts, regarding of channels	13,500	2010
30	Galway County Council	Ryehill Demesne, Monivea	Replace existing culvert with larger capacity structure	14,400	2010
31	Galway County Council	N18 at Oranmore	Cleaning of all blockages and obstructions to flow of the stream from N18 to the outfall at the sea	14,400	2010
32	Galway County Council	Corgerry, Oughter, Menlough	Replacement of culverts, regarding of channels	16,200	2010
33	Galway County Council	Castlegrove, Tuam	Minor improvements to Corrib Clare CDS	21,420	2010
34	Galway County Council	Caherlistrane	Install 900mm culvert & Raise road level by 500mm	27,000	2010
35	Galway County Council	The Walks Station Road, Loughrea	Clean river & remove debris. Repair damaged crossings if applicable	27,000	2010
36	Galway County Council	Cloonrelagh, Mountbellew	Replacement of culverts regarding of channels	11,250	2010

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
37	Galway County Council	Bride St, Loughrea	Create new water pipeline and connect to existing one	31,500	2010
38	Galway County Council	Crowe St., Gort	Purchase of pump which will pump water from Crowe St.	36,000	2010
39	Galway County Council	Crowe St., Gort	Channel maintenance	38,000	2010
40	Galway County Council	Tarramud & Coldwood, Clarin River	Channel maintenance and upgrade of culverts	40,000	2010
41	Galway County Council	Ballyglass South, Ballymore	Drain area to nearest outfall and construct two manholes at this location	54,000	2010
42	Galway County Council	Ballyglass, Kilconnell	Regrade stream & upgrade culvert	9,000	2010
43	Galway County Council	Ballaun, Loughrea	River deepening, cleaning & maintenance. Upgrade River crossing	67,500	2010
44	Galway County Council	Mira	Detailed study of lands – Up to 600m of 600-900mm pipe required	67,500	2010
45	Galway County Council	Moylough Village	General maintenance of 1800m of open channel	170,000	2010
46	Galway County Council	Oranmore	Channel maintenance, pipes, replacement of culverts	300,000	2010
47	Galway County Council	Feagh East	Open up swallow hole, place grids on roadside	3,000	2010
48	Galway County Council	Carheens Cross, Belclare	Install 600mm pipe	9,000	2010
49	Galway County Council	Castleblakeney	Upgrade culvert	9,000	2010
50	Galway County Council	Moneen, Cummer, Tuam	Install 600mm pipe	9,900	2010
51	Galway County Council	(a) Thomastown, Belclare; (b) Treenbaun, Goldenpark; (c) Kilshanvy, Kilconly	Combined study	10,800	2010
52	Galway County Council	Cloonacauneen	New drainage system	13,500	2010
53	Galway County Council	Lackagh Beg	New drainage system	13,500	2010
54	Galway County Council	Lydican, Cregboy	Improve drainage	13,500	2010
55	Galway County Council	Middlethird, Maree, Oranmore	Improve drainage system	15,840	2010
56	Galway County Council	Cloonantleva Lower, Fohenagh	Replacement of culverts	18,000	2010
57	Galway County Council	Esker, Ballymacward/Scarreth	Replace culvert, clean river	18,000	2010

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58	Galway County Council	Ballyconlough, Headford	Piping of channel	23,000	2010
59	Galway County Council	Peake, Claregalway	Construct earthen embankment	4,500	2010
60	Galway County Council	Doonlooughan Pier, Ballyconnelly, Conemara (Coastal)	Construct coastal protection to the public access road	153,000	2010
61	Galway County Council	Inis ni Pier Roundstone, Conemara (Coastal)	Construct coastal protection to the public access road	210,600	2010
62	Galway County Council	Drim Village	Provision of adequate drainage	27,000	2010
63	Galway County Council	Portumna – Ennis Road (R352) at St. Josephs Road	Upgrade pipe / culvert on R352 at St. Josephs Road / Clean and widen existing drain to Lough Derg outfall	27,000	2010
64	Galway County Council	Off R446 at Srah townload, Loughrea	Installation of pipe	19,800	2010
65	Galway County Council	Palmerstown/Derrydonnell North	Excavation of new drain from public road to adjacent Turlough	4,725	2010
66	Galway County Council	Cornmucklagh, Ahascragh, Ballinasloe	Install storm water drainage system to discharge water to open drain	18,000	2010
67	Galway County Council	Gloves, Athenry	Installation of drainage channel	76,500	2010
68	Galway County Council	Clarín River, Ballydavid / Athenry	Channel maintenance, replace culvert, remove weir	40,000	2010
69	Galway County Council	Ballydavid, Athenry/Clairn River	Channel maintenance, replace culvert, remove weir	90,000	2010
70	Galway County Council	Cross St/Lake Road, Loughrea	Installation of additional gullies / removal of existing culvert & replacement with a culvert of greater capacity	67,500	2010
71	Galway County Council	Derrymullan, Ballinasloe	Provide flood defence wall around the water plant	45,200	2010
72	Galway County Council	Derrymullan, Ballinasloe	Provide flood defence wall at rear of housing developments & flood defence wall	994,823	2010
73	Galway County Council	East Bridge, Ballinasloe	Provide a channel downstream to the Suck.	40,500	2010
74	Galway County Council	East Bridge, Ballinasloe	Engagement of consultant to undertake conservation impact statement / Removal / modification of sluice gates	15,120	2010
75	Galway County Council	Rathgorgin, Athenry	Installation of pipeline / Provide outfall to local drain / Cleaning of existing drainage channel	45,000	2010

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
76	Galway County Council	Kiltullagh, Claregalway	Install 350m of 300mm double walled pipe from flood location to turlough entry point	20,250	2011
77	Galway County Council	Tonacurra, Newbridge, Ballinasloe	Replace existing culvert with culvert of larger capacity & regrade existing open drains	11,250	2011
78	Galway County Council	Bovinion, Mountbellew	Replace existing culvert with culvert of larger capacity & regrade existing open drains	11,700	2011
79	Galway County Council	Ballinderry, Kilconnell, Ballinasloe	Replace existing culvert with culvert of larger capacity & regrade existing open drains	16,200	2011
80	Galway County Council	Garrymore, Ballymacward, Ballinasloe	Replace existing culvert with culvert of larger capacity & regrade existing open drains	16,200	2011
81	Galway County Council	Liscune Upper, Ballymacward, Ballinasloe	Replace existing culvert with culvert of larger capacity, clean & regrade open drain, clean swallow hole & install stock proof fence	16,200	2011
82	Galway County Council	Coonrelagh, Mountbellew	Replace existing culvert with culvert of larger capacity & regrade existing open drains	9,000	2011
83	Galway County Council	Ballyglass, Kilconnell	Regrade stream & upgrade culvert Replace two existing culverts with culverts of larger capacity & regrade existing open drains	19,800	2011
84	Galway County Council	Ballinamore Bridge	Remove blockages & obstructions	31,500	2011
85	Galway County Council	Coolarne, Turloughmore	Replace existing pipe with 900mm pipe for 400m / Pipe open drain for 700m / Associated works Replace existing 450mm pipe with 560m of concrete 900mm piping and associated works	51,750	2011
86	Galway County Council	Kilcolumb (Keeloges West) Glenamaddy	Existing pipe and stone culvert to be replaced with 900mm diameter concrete pipe	13,500	2011
87	Galway County Council	Flaskagh Beg, Dunmore	Replace stone culvert with a precast concrete box culvert of similar X-Section to the open channel to increase the capacity of the bridge	23,400	2011
88	Galway County Council	Crowe St., Gort	Purchase of pump which will pump water from Crowe St	32,400	2011

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
89	Galway County Council	Kiltartan & Coole, Gort	Reinstatement of culverts at Kiltartan, new culverts, improvements & cleaning of existing masonry arch bridge and associated works	351,000	2011
90	Galway County Council	Derrymullan, Ballinasloe	Derrymullen Flood Defence Additional Works-The diversion of an existing open drain / Deepening & widening of the Deerpark River / Provision of a second culvert at Ahascragh Road.	108,000	2011
91	Galway County Council	Derrymullan, Ballinasloe	Construction of a flood defence wall	354,962	2011
92	Galway County Council	East Bridge, Ballinasloe	East Bridge Flood Eyes - Consultant fees for design, procurement of works and land acquisition	27,000	2011
93	Galway County Council	East Bridge, Ballinasloe	East Bridge Flood Eyes - Consultant fees for design, procurement of works and land acquisition	80,796	2011
94	Galway County Council	Rathgorgin, Athenry	Installation of pipeline / Provide outfall to local drain / Cleaning of existing drainage channel	13,500	2011
95	Galway County Council	Kilcommadan, Aughrim, Ballinasloe	Upgrade road bridge on existing watercourse	6,030	2012
96	Galway County Council	Moneenaheeltia, Laurencetown, Ballinasloe	Upgrade bridge on existing watercourse	7,245	2012
97	Galway County Council	Caltragh, Laurencetown, Ballinasloe	Replacement of bridge	10,800	2012
98	Galway County Council	Kylemore River, Laurencetown, Ballinasloe	River cleaning for 1km	13,100	2012
99	Galway County Council	Crowes, Spiddal	Regrading of stream / Upgrade culvert	13,500	2012
100	Galway County Council	Ganaveen, Lismanny, Laurencetown, Ballinasloe	Upgrade existing bridge / Channel improvement works	14,400	2012
101	Galway County Council	Laurencetown Village, Ballinasloe	Channel Improvements	29,500	2012
102	Galway County Council	Ryehill	Install pipe for 260 metres / Install gullies, cattle grids and other water collection methods at number of locations	32,400	2012
103	Galway County Council	Caherawoneen South, Kinvarra	Construction of box culvert bridge on existing watercourse / Road realignment	49,500	2012

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
104	Galway County Council	Moanmore East, Loughrea	Upgrade existing drain / watercourse and upgrade piped culvert section of channel	54,000	2012
105	Galway County Council	Woodlawn, Ballinasloe	Maintenance of 6.5m of channel	13,500	2012
106	Galway County Council	Ballyhugh, Gort	Installation of higher capacity culvert	22,500	2012
107	Galway County Council	Caherpeak	Relay new pipe	31,500	2012
108	Galway County Council	Shanagalish, Gort	Clear swallow hole / Construct 1.4km drainage channel / Associated works	72,000	2012
109	Galway County Council	Carheenlea, Turloughmore	To carry out exploratory works, CCTV & a level survey of the existing pipe	4,500	2012
110	Galway County Council	Loughaunboy, Caltra, Ballinasloe	Replace existing stone culvert with culvert of larger capacity & regrade existing open drains	11,700	2012
111	Galway County Council	Glenaslat, Monivea, Ballinasloe	Replace existing stone culvert with culvert of larger capacity & regrade existing open drains	14,400	2012
112	Galway County Council	Inchaboy South, Gort	Lowering of culvert. Reinstate road surface and lands	14,400	2012
113	Galway County Council	Lenamore, Colemanstown, Ballinasloe	Replace existing stone & concrete piped culvert with culvert of larger capacity & regrade existing open drains	16,200	2012
114	Galway County Council	Termon North, Gort	Phase 1 of the Environmental Assessment	15,715	2012
115	Galway County Council	Peterswell, Gort	Replace existing culverts & maintain existing open drains	22,500	2012
116	Galway County Council	Lacka 2 Bridge	Replace existing bridge with a new larger structure with a greater hydraulic capacity	27,400	2012
117	Galway County Council	Cross St/Lake Road, Loughrea	Installation of additional gullies / removal of existing culvert & replacement with a culvert of greater capacity	5,000	2012
118	Galway County Council	East Bridge, Ballinasloe	Provide a channel downstream to the Suck. Engagement of consultant to undertake conservation impact statement / Removal / modification of sluice gates	42,200	2012
119	Galway County Council	Cloonatleva, Ballymacward	To direct flood water to lower lands	5,220	2013
120	Galway County Council	Renville West, Oranmore	Carry out drainage maintenance works on approx. 950m of channel	9,000	2013
121	Galway County Council	Greenville, Caltra	To collect surface water run off by means of a filter drain and a catch pit/manhole. Installation of a new 600mm piped culvert & associated works	9,990	2013

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
122	Galway County Council	Knockatee East, Dunmore	To drain flooded area to nearest outfall, comprising 150m of 12" perforated pipe	10,800	2013
123	Galway County Council	Toor-Ballylee, Gort	To carry out extensive channel maintenance & associated works	50,000	2013
124	Galway County Council	Derreen, Gort	Removal of blockages, pruning back of overhanging tree limbs & removal of trees on river bank	22,500	2013
125	Galway County Council	Cahermore, Kinvarra	Construction of a concrete box culvert & associated road raising	48,150	2013
126	Galway County Council	Greenfield	Raise the road by 0.35m over a 120m long section & raise the adjoining turning-head/hard standing area by circa 0.15m (tapering down to the jetties)	17,100	2014
127	Galway County Council	Derreen, Abbeyknockmoy	Construction of a new 450mm diameter piped overflow with two headwalls & a road gully to the existing open drain on the opposite side of the public road to the properties at risk	6,120	2014
128	Galway County Council	Derrydonnell, Oranmore	Channel maintenance, pipes, replacement of culverts	17,224	2014
129	Galway County Council	Caltragh, Laurencetown	Channel maintenance works	10,800	2014
130	Galway County Council	Pollnagarragh East, Mannin Cross, Craughwell	Maintenance & cleaning of existing drainage system	6,750	2014
131	Galway County Council	Pribbaun, Roscahill	Create a drainage channel along the boundary & feed in to historic quarry location Construct barrier/bern Associated works	22,500	2014
132	Galway County Council	Cahermore, Kinvarra	Construction of a concrete box culvert & associated road raising	22,950	2014
133	Galway County Council	Ballyglass, Turloughmore	Construct a new pipe from existing open drain to existing piped drain in N63 verge	4,860	2015
134	Galway County Council	Manusflynn	Construct a 600mm diameter piped road culvert, remove obstructions & associated works	10,350	2015
135	Galway County Council	Knockaunglass, Athenry	Carry out channel maintenance and re-grading works where necessary downstream of the existing culvert for approx.	11,237	2015

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			1000m along with increasing the capacity of the culvert via de-silting/cleaning works		
136	Galway County Council	Knock, Barnadearg	Channel maintenance works	15,750	2015
137	Galway County Council	Blane Cross, Athenry	Carry out channel maintenance and re-grading works where necessary upstream & downstream of a new culvert which is to cross the L7165 and discharge into an existing drainage channel which will be maintained by Galway County under the Drainage District works programme	20,534	2015
138	Galway County Council	Kingstown, Ahascragh	Clean existing open drains, redirect & pipe an existing section of open drain, remove the collapsed open drain & replace it with 900mm twin-walled culvert	25,200	2015
139	Galway County Council	Clonfert, Ballinasloe	Construct a new 450mm storm water sewer	29,925	2015
140	Galway County Council	Ballyglass, Turloughmore	To construct an open drain from the existing ditch/open drain for a distance of circa 275m into an existing culvert under the M63	1,125	2015
141	Galway County Council	Knocktogether,	To carry out channel maintenance works upstream & downstream of the existing culvert along with increasing the capacity of the culvert via de-silting works	14,045	2015
142	Galway County Council	Killeenadeema, Loughrea	To culvert the existing watercourse with a 600mm diameter twin wall pipe & construct a road crossing to a discharge point approx. 500m downstream into an existing drain	57,817	2015
143	Galway County Council	Cloonamore- Inisboffin Island as a whole (coastal)	Comprehensive coastal erosion & flood risk management study for Inisboffin Island as a whole	90,000	2015
144	Galway County Council	Inisboffin-South Shore (coastal)	New coastal protection barrier- in form of wall constructed from integrated PC block elements- as detailed in RPS report 2014 & being used for new or repair of existing damaged sections of walls at Southern Shore	441,900	2015
145	Galway County Council	Maghanearla, Portumna	Lay 100m of 450mm twin wall pipe in the existing grassed margin and tie-in with the existing manhole upstream of the culverted road crossing	5,619	2015

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
146	Galway County Council	Cappakeela, Portumna	Upgrade the existing road crossing culvert to 900mm and to clean and re-grade where necessary approximately 100m of open channel	9,888	2015
147	Galway County Council	Thornfield, Portumna	Replace the existing agricultural access road culverts with 900mm twin wall piped culverts & ancillary works	17,360	2015
148	Galway County Council	Tynagh Road	Collect surface water run off from the agricultural lands opposite the property and carry it in a combination of open channel and piped sections through both the existing road margin and within adjacent agricultural lands	31,603	2015
149	Galway County Council	Baile an tSagairt, An Spiddéal	Drainage maintenance works on approximately 700m of channel to include the removal of flood debris and blockages under the bridges and the controlled treatment of the invasive species along the route of the works	13,596	2015
150	Galway County Council	Rinville West, Oranmore	Drainage maintenance works on approximately 950m of channel	23,346	2015
151	Galway County Council	Kiltiernan to Ballinderreen	Main drainage works & additional pipe-laying works on the Kiltiernan channel	247,870	2015
152	Galway County Council	Deerpark, Ballinasloe	Carry out drainage works upstream of the main Deerpark River channel	19,000	2016
153	Galway County Council	Ballinasloe Town Centre	Purchase Temp Flood Defence- Aquadam to be deployed as required, to be available for Galway County also	96,849	2016
154	Galway County Council	Ardacong, Tuam	Study	9,000	2016
155	Galway County Council	Lakyle, Craughwell	Study	9,000	2016
156	Galway County Council	Blackrock, Peterswell, Gort	Construct an earthen embankment- crest level is required to have a minimum of 500mm freeboard above the highest recorded flood level which occurred in 2015. A drainage system to cater for internal surface drainage will also be required. Relevant environmental criteria shall be complied with as the proposed works are adjacent to the Peterswell Turlough SAC	18,000	2016

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No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
157	Galway County Council	Ardacong, Tuam	Construct a surface water pipe along the route of the Tuam bypass for a distance of 750m to a tributary of the River Clare	83,700	2016
158	Galway County Council	Fahy's, Grannagh	Construct a 40m length of reinforced concrete retaining wall, 1.2m high around a section of the farmyard	5,400	2016
159	Galway County Council	Dark Road, Castletaylor North, Ardahan	Study	9,000	2016
160	Galway County Council	Whyte's, Carrownamadra, Kinvarra	Construct a 140m length of stone faced concrete block retaining wall, 750mm high around a section of the property & to install a sump & road crossing.	13,500	2016
161	Galway County Council	Parkacurry, Monivea	To clean & maintain overgrown sections of the open channel, upsize 1 no. road crossing to a 900mm diameter pipe, install 100m of 225mm diameter surface water drainage pipe & road gullies and provide two new headwalls and trash screens to outfall to existing open channel	11,700	2016
162	Galway County Council	Beagh, Tuam	To extend a 900mm diameter pipe across the N83	14,220	2016
163	Galway County Council	Roo, Kinvara	Culvert upgrade, channel improvements & environmental reports.	76,500	2016
164	Galway County Council	Kilcloghans, Tuam	To construct a reinforced concrete flood defence wall, a 600mm pipe and flap valve to be fitted to the outfall of the existing open land drain to the Clare River	19,845	2016
165	Galway County Council	Labane, Gort	Maintenance & improvements to existing swallow holes	9,000	2016
166	Galway County Council	Kilcreevanty, Tuam	To construct a 1.2m earthen embankment and install a flood gate barrier, along with construction of an internal collection sump and delivery pipeline with non-return valves	14,400	2016
167	Galway County Council	Caheroyne Avenue, Athenry	Construct reinforced concrete wall, construct sump, remove existing fencing & walls along river & associated works	40,500	2017

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168	Galway County Council	Lowville, Ahascragh	Construct three head walls & a new open drain, replace existing pipes, reinstate public roadway & private driveway & associated works	63,000	2017
167	Galway County Council	Ardacong, Tuam	To lay a pipe to connect to the storm damage 450mm diameter pipe across the road, with manhole, headwall & penstock control to provide a facility to release some flood waters from Ardacong turlough via gravity and/or pumping	20,633	2017
170	Galway County Council	Cooleran, Turloughmore	Dig 240m open drain (remove trees and ditch) Lay culvert & 90m of pipe to drain (900mm diameter) & associated works	34,650	2017
171	Galway County Council	Ardskea More, Corofin	Construct a maximum 2m high earthen flood defence embankment along the bank of the Abbert River for approximate length of 200m	28,890	2017
172	Galway County Council	Corrabaun, New Inn, Ballinasloe	Clean existing field drains & roadside drains, install a 900mm pipe for approximately 30m & associated works	18,000	2017
173	Galway County Council	Ballyglass, Kilconnell, Ballinasloe	Clean existing field drains & roadside drains, replace existing pipes with 900mm diameter pipes & associated works	45,450	2017
174	Galway County Council	Atticora, Creagh, Ballinasloe	Install a new 450mm diameter surface water pipe for distance of 250m to an existing drain & associated works	14,940	2017
175	Galway County Council	Clooncallagh, Moylough, Ballinasloe	Construct new open drain for approximate distance of 80m, provide for 60m of 600mm diameter surface water pipeline & associated works	14,940	2017
176	Galway County Council	Caheroyne Drive, Athenry	Remove palisade fencing & existing stone wall, construct low stone wall & flood defence wall, construct sump & associated works	36,000	2017
177	Galway County Council	Tierney's Yard	Install 170m of 600mm diameter surface water drain, two manholes & a petrol interceptor	27,000	2017
178	Galway County Council	Pollnahallia, Turlough-Monaghan	To construct an earth embankment around the perimeter of the site	5,940	2017
179	Galway County Council	Lugbeg River, Cloughbrack, Clonbur	Maintenance of river banks and vegetation removal	16,200	2017

COUNTY: GALWAY					
No.	Local Authority	Project Location	Project Details	Approved Funding (€)	Year of Approval
180	Galway County Council	Kilcloghans, Tuam	To construct a reinforced concrete flood defence wall, a 600mm pipe and flap valve to be fitted to the outfall of the existing open land drain to the Clare River	3,650	2017
181	Galway County Council	Ballinakill, Loughrea	To replace the existing culvert system with circa 90m of 750mm diameter storm water culvert & associated works	45,000	2017
182	Galway County Council	Graiguenavaddoge, Caltra	To construct two headwalls, clean/construct field drains, install a new 600mm diameter culvert & associated works	14,940	2017
183	Galway County Council	Clonbur Sports Ground, Clonbur	Maintenance of riverbanks & vegetation removal, cleaning of swallow holes & construction of a 150m embankment	36,000	2017
184	Galway County Council	Kilnahown, Aughrim	River channel cleaning works	14,940	2017
185	Galway County Council	Eskemurray, Ballinasloe	Raise & strengthen a 60m section of existing stone boundary wall, installation of flood gates, drain & sump	26,100	2017
186	Galway County Council	Glentane, Ballinasloe	To replace the existing culvert system with circa 90m of 750mm diameter storm water culvert & associated works	63,450	2017
187	Galway County Council	Oultort, Portumna	Installation of 170m of surface water drain & associated works	25,650	2017
188	Galway County Council	Longford, Portumna	Installation of 2 sections of surface water drain totalling 250m & associated works	42,750	2017
				8,370,235	

2. Maintenance carried out under Arterial Drainage Act, 1945

The OPW has statutory responsibility for and carries out a programme of Arterial Drainage Maintenance. These maintenance works relate to arterial drainage schemes completed by the OPW under the Arterial Drainage Acts 1945, with the primary purpose to improve the drainage of agricultural lands. Local Authorities are responsible for the maintenance of Drainage Districts, which were completed up to 1943.

The OPW's annual Arterial Drainage Maintenance Works Programme protects 260,000 hectares (650,000 acres) of agricultural lands and comprises 11,500km (7,150 miles) of river channel and approximately 800km (500 miles) of embankments.

COUNTY: GALWAY				
Completed Scheme		County(s)	Duration of Works	Benefitting Area (Acres)
Corrib-Clare	(Major Scheme)	Galway, Mayo, Roscommon	1954 – 1964	74,900
Corrib-Headford	(Major Scheme)	Galway, Mayo	1967 – 1973	19,400
Corrib-Mask-Robe	(Major Scheme)	Mayo, Galway	1979 – 1986	24,000
Killimor/Cappagh	(Minor Scheme)	Galway	1962 – 1968	12,600

3. Proposed Measures in Flood Risk Management Plans

The OPW has now studied and assessed flood risk in Ireland, focussing on 300 areas of potentially significant risk throughout the country.

Flood Maps have been created for each of these communities to describe existing and potential flood risk. The OPW has now published Flood Risk Management Plans which set out, for these communities, how it is proposed to manage the assessed flood risk through investment in flood relief schemes and other policy measures. The Plans also set out measures in place and under consideration that can manage flood risk in other parts of the county.

The following tables set out the communities in this County that are covered by the Flood Risk Management Plans and provides an indication of the proposed flood relief schemes contained in the Plans for these communities.

In some instances, a technically viable flood relief scheme has been identified, however, a more detailed assessment of the costs and benefits will be completed to determine if the proposed Scheme is feasible.

For other communities, there is a relatively low level of flood risk from rivers and/or the sea, and no structural flood relief measures are therefore proposed at this time. The current level of risk will be reviewed, along with all areas, on a regular basis into the future.

In addition to the implementation of proposed flood relief schemes, funding will continue to be available for localised projects under the Minor Works Scheme.

The Plans also set out those non-structural measures in place or proposed, for example Flood Forecasting, which benefit all at risk communities and properties. The Interdepartmental Flood Policy Co-ordination Group will continue its work now greatly informed by the wealth of knowledge in the Plans to bring forward further feasible proposals for Government's consideration to support and assist households and communities through non-structural flood risk management and mitigation measures.

COUNTY: GALWAY					
AREA NAME	Existing Scheme in Place	Scheme in Construction, Design or Pending	New Scheme Proposed in the Plans	Potential Scheme subject to further assessment.	No Scheme Proposed as Community at Low Risk or Scheme Not Viable
Ahascragh				√	
Athenry					√
Ballinasloe	√		√		
Claregalway		√			
Clifden			√		
Corrofin				√	
Galway City			√		
Gort	√				√
Kinvarra					√
Loughrea					√
Oranmore					√
Oughterard					√
Portumna			√		
Roundstone					√
Tuam					√

No.	Proposed Scheme	Properties Protected	Further Information on Proposed Scheme
1	Ballinasloe	221	<p>The proposed measure for Ballinasloe that may be implemented after project-level assessment and planning or Exhibition and confirmation might include;</p> <ul style="list-style-type: none"> • Construction of 530m of new flood defence walls, 5,050m of flood defence embankments and a demountable flood gate; • Construction of two new 6m wide flood alleviation arch culverts at Ballinasloe East Bridge. The invert level of these culverts is 35.3m; • Regarding of the riverbank 130m upstream and downstream of the bridge to 35.3m to maximize efficiency of the flood alleviation culverts; • Construction of two Lock Gates across the Canal and a sluice gate across the channel flowing into the marina from the canal; • Upgrade existing culvert to a 2.0m dia. Culvert; • Upgrade the existing Kilclooney Road Bridge on the River Deerpark; • Regarding of the riverbed upstream and downstream of Kilclooney Road Bridge to maximize efficiency of the upgraded structure; • Public Awareness, Flood Forecasting will also be required as part of this measure; • Maintain all existing defences; • The West and East Atlas channels need to be maintained to ensure their full capacity can be utilised in a flood event.
2	Clifden	24	<p>The proposed measure would involve the construction of an earthen embankment at Clifden Glen approximately 0.3 -1.2m in height and a flood wall at the Low Road 1.2m in height. No protection is required at Riverside as depths are not above threshold level of the properties.</p>
3	Galway City	942	<p>The proposed measure would include the placement of quay defence walls in order to protect against the 0.5% AEP design event with an average wall height of 1.2m, as required for public safety. This includes a freeboard allowance of 0.3m. The quay walls would extend from the dock, continuing along Long Walk and Spanish Arch. The properties in the Claddagh area, along Grattan road and Father Griffin would be provided protection by building a quay wall along the Claddagh basin and Nimmo's pier. Flood defences along the property line and localised land and road raising in Salthill will manage wave overtopping risks.</p>
4	Portumna	22	<p>The proposed measure for Portumna that may be implemented after project-level assessment and planning or Exhibition and confirmation might include;</p> <ul style="list-style-type: none"> • Construction of a 434m new flood defence wall and an 870m embankment. • Installation of a simple flood-forecasting unit, including an addition of telemetry to an existing hydrometric gauge to send warning messages when water level reaches a specified trigger point. • Public awareness. • Raised road level over a length of 20m along the north of Portumna Harbour. • Vertical Sector Gate to act as a barrier to flooding across the entrance to Portumna Harbour to prevent the inlet receiving flood water directly from the Shannon. The structure would consist of a set of gates which could be closed after a flood warning, and

No.	Proposed Scheme	Properties Protected	Further Information on Proposed Scheme
			open during normal conditions to allow the passage of boats. <ul style="list-style-type: none"> • Maintain existing flood defences.

In addition to the 300 areas that were the focus of the CFRAM programme, a small number of other areas were also assessed through four Pilot CFRAM programmes, or have rural or small flood relief schemes already in place or in progress. These other areas have been referenced in the Flood risk Management plans and the main outputs are summarised below.

COUNTY: GALWAY					
AREA NAME	Existing Scheme in Place	Scheme in Construction, Design or Pending	New Scheme Proposed in the Plans	Potential Scheme subject to further assessment.	No Scheme Proposed as Community at Low Risk or Scheme Not Viable
Ardrahan	√				
Dunkellin		√			
Gort Lowlands		√			
Maam Valley	√				