

NTIG Presentation

23 Feb 2023

ASSAP Update for 2022 – PAA and non PAA

	Total
Farm assessments in PAAs	999
Follow up visits in PAAs	429
<i>Outside PAA</i>	<i>27</i>
<i>Signpost farms</i>	<i>44</i>
<i>Catch. Ref. for N</i>	<i>273</i>
Total of all farms visited in 2022 by ASSAP advisors	1775

ASSAP Update for 2022 - PAAs

Year	Farm assessments	Follow up visits	Total farm visits
2019	1168	55	1223
2020 *	636	333	969
2021 *	713	165	878
2022 *	999	429	1428
Total	3516	982	4498

- Covid restrictions prevented farm visits for part of the year
- Reports for 21 PAAs uploaded to the WFD App

PAA Progress Reports on WFD App

➤ Erne

➤ Glan

➤ Milltown

➤ Nuenna

➤ Sow

➤ Unshin

➤ Caha

➤ Clashawley

➤ Clodiagh

➤ Clooneigh

➤ St Clearns

➤ Tay

➤ Dysart

➤ Silver Kilcormac

➤ Gageborough

➤ Portarlinton

➤ Kilmainham Dee

➤ Urrin

➤ Glen Lackagh

➤ Duff

➤ Owenriff

➤ Failmore

- Progress reports on WFD App – 22
- Reports cover 6 areas
 - Background information – LCA and desk study information
 - Referral evidence and significant issue
 - Issues identified and measures implemented
 - PAA communications
 - Barriers to implementation
 - Referral conclusion

1 Referral 1:

Kilmainham Dee

1.1 Background information

Table 1: Information relating to PAA and waterbody name, draft and referral code, and referral date.

PAA	Waterbody	Draft referral code (LAWPRO excel code)	WFD App Referral code	Referral date
Kilmainham (Dee)	Kilmainham (Dee)_020	RA0000018/RA0000017	RA0000018/RA0000017	26/03/2019

1.2 Referral evidence and significant issue

From LAWPRO referral

As phosphate is the significant issue areas of poorly drained soils are being focused on with overland flow (inc. drains) being the pathway. This could be occurring in several ways, CSAs, poor farm management in relation to phosphorus application, cattle access points, poor land management etc. Behavioural change in farmers will be the key to the success in this PAA. There are approximately 8 farms in the referral area.

1.3 Measures implemented following advice

Information relating to the final mitigation measures agreed and implemented – at referral scale. Use data from Farm Assessment records to detail measures implemented.

ASSAP visited 9 farms in these referral areas. The predominant issues identified in the areas were related to phosphorous and sediment loss due to surface water runoff, cattle access points and organic fertiliser management. A break down of the issues identified it outlined below.

The High Risk issues identified on these farms were:

- Slurry Storage 2
- Silage Pits and Effluent Storage 1
- Dirty Yards 1
- Drain Connection from Yard to Water 1
- P Loss Through Overland Flow 8
- Sediment Loss 2
- Drinking Points & Stream Fencing 7
- Preparation and implementation of NMP 2
- Identify and Manage Critical Source Areas 5
- Organic Manure Timing, Location and Method 6
- Correct Management of High OM soils 1
- Sloped Fields 6
- Weather and Fertiliser Management 2

The priority measures recommended were:

- Informing and educating farmers 4
- Additional storage for farm wastes required 1
- Improved management of collection and storage of farm wastes 1
- Separation of clean, grey, soiled and dirty water in farmyard 1
- Management of Critical Source Areas (CSA's) 6
- Improved farm road/tracks design and location 2

- Prevent livestock access to waters 8
- Avoid Application at high risk places 1
- Avoid application at high risk places (CSA's) 4
- Avoid application at high risk times 13

1.4 PAA Communications

Description of farmer meetings, discussion groups, KT events, media engagements, newsletters, training courses etc undertaken by ASSAP advisors in water body. Dairy co-op advisors to detail their engagements separately.

ASSAP organised a farmer information meeting in conjunction with LAWPRO to introduce farmers in the area to the ASSAP services available and to outline practical steps farmers could take on farm to protect and improve water quality.

1.5 Barriers to implementation of measures

Information relating to the barriers that prevented the implementation of mitigation measures recommend by ASSAP – at referral scale.

List of potential barriers:

Time (e.g., measure not implemented because farmer must wait until next growing season),

Cost (e.g., farmer can't afford to implement a measure),

No. of farms that have not engaged

Behaviour (e.g., reasons for no or lack of engagement or participation)

Social (e.g., age, health)

Policy (e.g., existing policy prevents the farmer from implementing a measure),

Non-ag issue (e.g., LAWPRO confirmed the issue is due to a pressure other than agriculture, such as WWTP),

Time lag (e.g., waiting for nutrient levels to decline after nitrate mitigation measures are implemented),

Unknown issue (e.g., where ASSAP and LAWPRO agree the pressure or issue has not been identified)

Some resistance to building of additional slurry storage due to the financial investment required.

Time, money and resources were identified as a potential barrier as a lot of farmers in the area are smaller scale beef farmers working off farm and therefore any large investments may be difficult.

1.6 Referral 1 Conclusion

Conclusion relating to the process from measures recommended to barriers to implementation – at referral scale.

Overall improvements in management practices in the area and continued adoption of the mitigation measures are leading to improvements in water quality in the area. Overall adoption level was satisfactory and farmers in the referral area showed positive ongoing engagement with mitigation measure

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31 Aug 2023

ASSAP Update for end of June 2023 – PAA and non PAA

	Total
Farm assessments in PAAs	333
Follow up visits in PAAs	218
<i>Outside PAA</i>	<i>35</i>
<i>Catch. Ref. for N</i>	<i>317</i>
Total of all farms visited to end of June 2023 by ASSAP advisors	903

ASSAP Update for end of June 2023 - PAAs

Year	Farm assessments	Follow up visits	Total farm visits
2019	1168	55	1223
2020 *	636	333	969
2021 *	713	165	878
2022 *	999	429	1428
30 June 2023	333	218	551
Total	3849	1200	5049

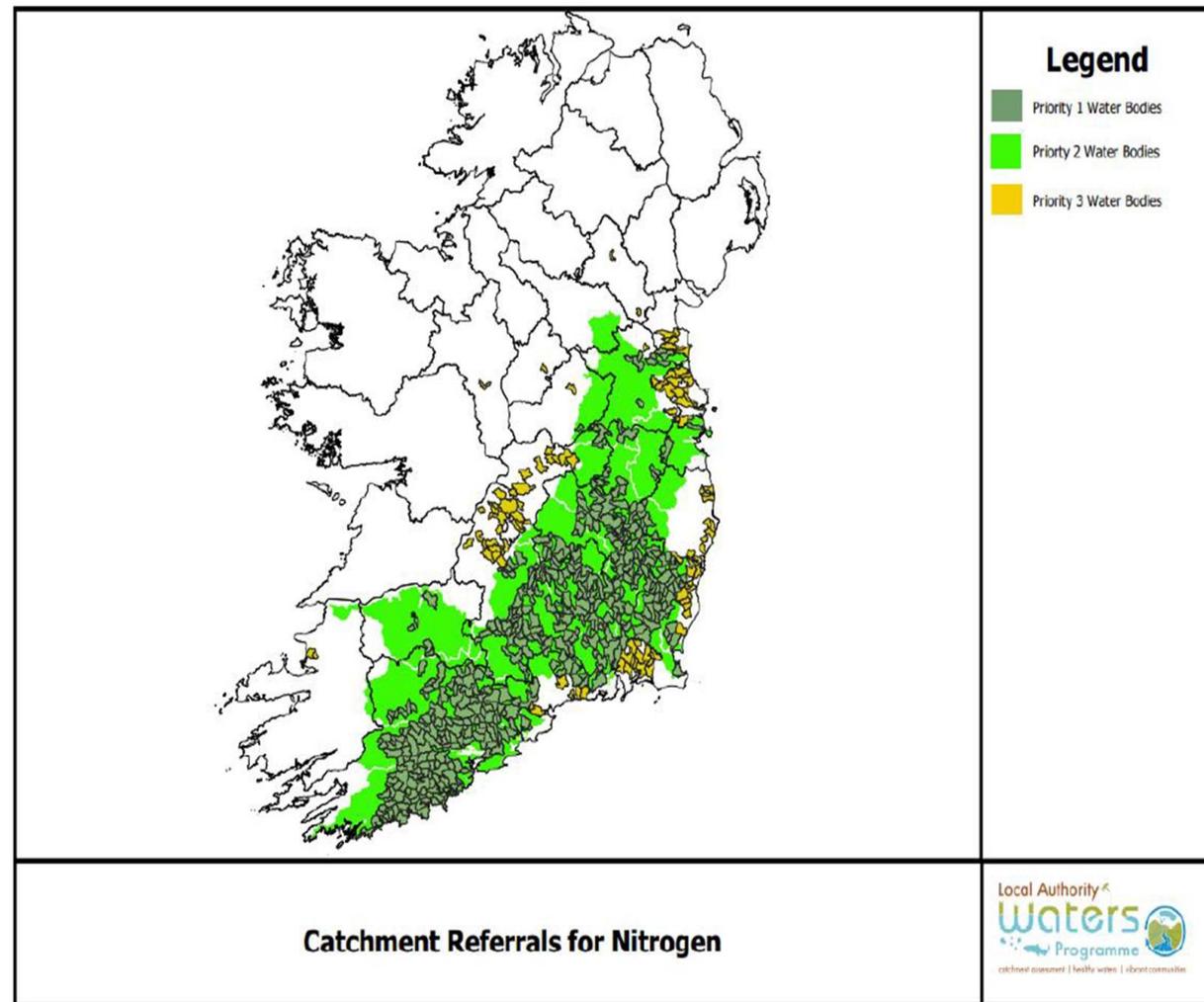
- Covid restrictions prevented farm visits for part of the year
- Reports for 37 PAAs uploaded to the WFD App

Catchment Referral for N

Table 1 Priority categories for Catchment Referrals for Nitrogen

Priority category description	No. of water bodies
1. Water bodies contributing high N within catchments of concern	404
2. High PIP N areas in catchments of concern (not included above)	733
3. Water bodies with elevated N (outside catchments of concern)	94
4. 20% reduction in use everywhere	All other water bodies

- LAWPRO developed Catchment Referrals for N for 1,231 waterbodies
- Water bodies active 203
- Farms assessed 762
- Dairy farms 95%
- Farmers engaged 98%
- Ave issues per farm 5



Catchment Referral for N- Issues & Mitigation Actions

	Farmyard issues	Mitigation Actions	High Risk
F1	Slurry Storage	Additional storage for farm wastes required	61
F2	Silage Pits and Effluent Storage	Improved management of collection and storage of farm wastes	52
F7	Clean & Grey Water management	Separation of clean, grey, soiled and dirty water in farmyard	42
F3	Loose Housing and FYM Storage	Improved management of collection and storage of farm wastes	28
F8	Drain Connection from Yard to Water	Separation of clean, grey, soiled and dirty water in farmyard	22
	Land management issues	Mitigation Actions	High Risk
LM2	N leaching from Light Soils	Avoid application at high risk times	52
LM23	Buffers	Adhere to buffer zones and safeguard zones	45
LM4	Drinking Points & Stream Fencing	Prevent livestock access to waters	35
LM9	Farm Roads and Gateways and underpass	Improved farm road/tracks design and location	32
LM2	N leaching from Light Soils	Informing and educating farmers	29
	Nutrient management issues	Mitigation Actions	High Risk
NMP1	Preparation and implementation of NMP	Precision application of nutrients at correct rate	31
NMP6	Timing - Early & Late N and Phosphorus	Avoid application at high risk places (CSA's)	26
NMP7	Fertiliser Rates	Precision application of nutrients at correct rate	26
NMP1	Preparation and implementation of NMP	Informing and educating farmers	24
NMP2	Achieving appropriate Soil Fertility (Lime P&K)	Implementation of Nutrient Management Plan	19

Teagasc Mgt Team Meeting
with EPA Feb 28, 2024

ASSAP Priorities for 2024

Water EIP

- Priority work for ASSAP in 2024 is completing Water EIP applications for farmers in PAAs (As requested by DAFM and DHLGH)
- Ambition is to have ~ 3,000 applicants per year
- Launch on March 7th at Lough Ennell
- Will be offered to farmers already assessed in cycle 2 PAAs in water bodies that have not reached WFD target of 'good status'
- Will then move onto new farms in cycle 3
- Currently there is 5,860 farms that potentially can avail of the EIP in ASSAP
- The Water EIP is also available to farms in other areas where there is an initiative to improve water quality e.g. NFGWS source protection areas.

ASSAP Priorities for 2024

Cycle 2 PAAs

- Farm assessments to continue where referrals are available and advisors have capacity to complete (Water EIP is priority)
- PAA Close Out Reports to be completed as work finishes in PAAs
- To date there are 41 reports detailing ASSAP work on the Eden App
- Covering
 - 41 PAA's
 - 74 Waterbodies
 - 197 referrals
 - Water EIP will help finalise measures in PAAs and reporting

Cycle 3 PAAs

- LAWPRO to commence work on generation of referrals in 2024
- ASSAP to commence work on these referrals once Water EIP work allows

ASSAP Priorities for 2024

Ag Planner Development

- Teagasc has undertaken the development of a web based system for data capture and data base management – Ag Planner
- This will replace the excel based system
- The system improves efficiency of data entry, data storage and reporting
- Teagasc ASSAP are using the system with positive feedback
- Roll out to Co-op ASSAP is taking place currently
- Further development required for mapping system

Teagasc Water Quality Campaign

- Teagasc has undertaken to develop and deliver a national Water Quality Campaign
- Will involve a near term awareness raising campaign for farmers and a longer term strategic plan through to the end of 2030

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26 Sept 2024

Farming for Water EIP

- Focus on Farming for Water EIP applications over summer
- Advisors inviting farmers to meetings to provide information on EIP and recruit applicants
- N Surplus Training in Moorepark Sept 10th
- Provision of training for new ASSAP advisors (Teagasc and Co-op) to be provided on Oct 1 plus 2 more days to be confirmed

Better Farming for Water campaign

- 6 Catchment Co-ordinator posts advertised for BFFW campaign
- Joint BFFW/Signpost farm events planned across the 12 advisory regions in autumn
- Significant training programme for all Teagasc advisors also to be delivered in autumn
- Meeting with European Commission Mission on Sept 17 in Wexford

Engagement with Meat Industry

- Increased engagement with key meat processors and MII
- Opportunity to formalise MII/meat processors involvement in ASSAP
- Kepak to participate in pilot in Moynalty

Ploughing 2024

- Water Quality theme to Teagasc ploughing outdoor exhibit
- Advisors to provide screen to display PIP maps etc. and discuss local WQ
- Outdoor water feature (river) with WQ messaging
- Rainfall Simulator
- FFW EIP demonstration model



Date	Event	Location	Organised By
08/01/2024	Liquid Nitrogen Event & Water Quality	Kilkenny	Teagasc, Hugh McEnneaney
07/02/2024	Water Quality Conference 2024	Tullamore	Teagasc
28/02/2024	Slaney Tillage Training	Enniscorthy	Teagasc
28/02/2024	SEROC Meeting	Ballykisteon Tipperary	Tipp County Council
06/03/2024	Slaney Tillage Training	Enniscorthy	Teagasc
07/03/2024	Farming for Water EIP Launch	David and Roisin Fay, Lilliput	LAWPRO
07/03/2024	Use of Slurry and Water Quality Issues on Tillage Farms	Keypak Farm - Co Meath	Conor Callaghan & Hugh Rooney
21/03/2024	ASSAP and Advisors role in Water Quality in Kilkenny	County Council Offices Kilkenny	Deirdre Glynn & Richard O Brien
22/03/2024	World Water Day- Knocknagrave Community Centre	Monaghan	Tydavnet GWS
23/03/2024	Farm Management Students on ASSAP & Water Quality	Kildalton College	Cathal & Deirdre
04/04/2024	Sustainability Farm walk-Michael Smith- Mountnugent	Cavan	Teagasc/Liffey Meats
28/04/2024	ACRES CP	Monaghan	ACRES Breifini
21/05/2024	Scotstown Bluedot Pilot Project	Monaghan	Tydavnet GWS
28/05/2024	Farmers Meeting Lungan	Brendan Barrys Farm Meaughloghmore Windgap	Deirdre Glynn & Claire Mooney
29/05/2024	Woodlands for Water	Moorepark	Teagasc
29/05/2024	Signpost Partners Nitrate Workshop	Moorepark	Teagasc
31/05/2024	Farming for Water	Raymond Goggin Farm	Dairygold /Teagasc
12/06/2024	EPA Water Conference 2024	Galway & Online	EPA
20/06/2024	Teagasc Aurivo Focus Farm Walk	David Gannon's farm, Craughwell, Co. Galway	Teagasc/Aurivo JntPrg
21/06/2024	Farming for the Future	Donal Kavanagh Farm Baltinglass	Tirlan
21/06/2024	Water Quality -	Curteen College	Arrabawn
21/06/2024	Farm Peat - Training Day	Offaly	Farm Peat EIP
26/06/2024	Beef Event Grange	Teagasc Grange	Teagasc
28/06/2024	Farm Peat - Training Day	Roscommon	Farm Peat EIP
28/06/2024	water quality solutions event in West Cork	Castleross Hotel	Carbery
29/06/2024	Woodlands for Water Event	Teagasc Moorepark	Teagasc and Deirdre was a guide
04/07/2024	Greenfield Academy	Rathcunikeen Dairies	Teagasc
10/07/2024	Farming Better for Sustainability	Killarney	Teagasc
10/07/2024	Ballyvaddin Open Day	Ballyvaddin Open Day	Teagasc & Dawn Boots
11/07/2024	Farming for Water	Dunne family farm in Ballyhimkin, Ladybridge, Co. Cork.	Dairygold
11/07/2024	Farming for Water EIP Farmer Info Mtg	Oughterard, Co. Galway	ACRES West Connacht/Teagasc
11/07/2024	Farming Better for Sustainability	Newcastle West	Teagasc
16/07/2024	Johnstown Castle Open Day	Johnstown Castle	Teagasc
16/07/2024	Teagasc Johnstown Castle	Johnstown Castle	Teagasc, Deirdre Glynn on ASSAP stand
23/07/2024	Tillage & Water Quality	Eddie Doyles farm	Deirdre Glynn & Mark Trimble
23/07/2024	Farming Better for Sustainability	Pallasgreen	Teagasc
24/07/2024	Ministerial Visit(NI) to Emyvale	Monaghan	Teagasc
24/07/2024	Farming Better for Sustainability	Listowel	Teagasc
25/07/2024	focus on Water Quality	Cathal Gaughrans Farm Collon Co. Louth	
30/07/2024	Cover Crop Walk	Sheppard Family in Tullow	Teagasc
31/07/2024	Teagasc Aurivo - Joint programme event Mountbellew Agric College	Mountbellew, Co. Galway	Teagasc/Aurivo JntPrg
01/08/2024	Cover Crop Walk	Joe Warren, Castledockerell, Enniscorthy	Teagasc
06/08/2024	Riparian Buffers and Nature Based Solutions	Curraghkehoe Co Kilkenny (Mark O Brien)	Deirdre Glynn & Nore Vision Kilkenny
07/08/2024	Water Quality in Kilkenny	Ennisnag, Kells Kilkenny	Deirdre Glynn & Tennyson Private Consultants Kilkenny
08/08/2024	IFA Sustainability Walk	Cavan	IFA
08/08/2024	Wexford Tillage Farmers for Private Planners	New Ross	Deirdre Glynn & Tennyson Private Consultants Kilkenny
15/08/2024	Nitrates Derogation Course – “Farm Sustainability”	Teagasc Tuam, & on-farm Co. Galway	Teagasc
21/08/2024	Virginia Agricultural Show	Virginia	Teagasc
21/08/2024	Dawn Meats training on the ASSAP Programme	Richard Hyland , Clonmoran House, Kilkenny	Cathal & Deirdre
24/08/2024	Iverk Show	Piltown Kilkenny	Teagasc, Deirdre Glynn on ASSAP
04/09/2024	Arrabawn Water Quality Farm Walk	Moneygall	Arrabawn
11/09/2024	Stand at Future Beef open Day	Shane and Grainne Keavney Farm, Ballinlough co Roscommon	Teagasc

53 ASSAP/LAWPRO/Co-op/Teagasc Water Quality Events to date in 2024

12 Joint ASSAP/Signpost Events to be held over the Autumn