

The field surveys were undertaken by the following competent personnel.

Team Role	Name and Qualifications
Managing and co-ordinating surveys (to July 2022)	Monica Kane (Project Manager, MSc, BSc) to December 2021 Ciara Barry-Hannon (Ecologist, BSc. Wildlife Biology) to July 2022 Sally Kelly (Environmental Scientist, MSc. BSc) from July 2022
Field Surveyor	John Murphy (Senior Ornithologist)
GIS Mapping & Data	Valerie Heffernan (Environmental Scientist, MSc. BSc.) Ashling Fenton (Msc, BSc)

Monica Kane

Monica Kane, during her time at MWP, managed the Environmental Section of MWP. She is an Environmental and Ecological Consultant with over 15 years consultancy experience. She has been responsible for EIA and planning application project management, Appropriate Assessments, Ecological Impact Assessments, auditing, and constraints studies. She undertook and managed the environmental inputs into the Cluddaun Wind Farm, a Strategic Infrastructure Development, as well as the Boggeragh Wind Park, Knockranny Wind Farm and Clydaghrone Wind Farm EIS. As part of her involvement in the EU stoRE Project she was the principal author of EC guidelines for PHES and Natura 2000 sites. She was an expert witness for the Oral Hearing on the Kenmare Water Supply Scheme for Kerry County Council and Cluddaun Wind Farm.

Role: Project Manager, liaising with client, review of all reports

Ciara Barry-Hannon

Ciara Barry-Hannon is an Ecologist who worked for MWP until January 2023. She qualified with an Honours Degree in Wildlife Biology from Munster Technological University (MTU), formerly I.T. Tralee, in 2020. During her time at MWP Ciara contributed and helped complete numerous reports for bird survey work.

Role: Managing and co-ordinating surveys

Sally Kelly

Sally Kelly is an Environmental Scientist and Project Manager with over 18 years experience in consultancy. She has worked on a wide variety of projects, encompassing a number of disciplines including ecology, and has extensive experience in the management of field work and collation of data.

Role: Managing and co-ordinating surveys

John Murphy

John Murphy is a senior consultant ornithologist. He is very experienced having worked in the field of ornithology and ecology since 1982 and has extensive knowledge of the Irish landscape with regard to bird populations. He collaborates regularly with NPWS on different projects throughout the country. John is one of the country's foremost ornithologists and is a licensed bird ringer. He has always had an interest in wildlife photography and his work has been published in many magazines and books. As a 'Heritage in the Schools Specialist', he has travelled the country lecturing in schools and colleges, and to various clubs and organizations. He was the Biodiversity Officer with Clare County Council and has worked as part of the MWP Ecology team on a variety of projects nationwide since 2010. He spends as much time in the field as possible as a bird observer.

Role: Project Ornithologist and Field surveyor

Valerie Heffernan

Valerie has worked as an environmental professional since graduating in 2015 and has been employed as an Environmental Scientist with Malachy Walsh and Partners since 2018. She has considerable experience in Solar Farm development and has had input in a variety of projects including solar farms, marine and wind energy developments. She is experienced in GIS, planning and environmental report input.

Role: Responsible for viewshed analysis and flight path mapping

Ashling Fenton

Ashling has worked in both Data and GIS Analysis. Her experience spans a variety of project types including wind and solar site origination and development, due diligence within the utilities and agriculture sector. She is also experienced in data cleansing & analysis, report writing, and the provision of PRAI compliant maps.

Role: GIS Analyst responsible for GIS Analytics and flight path/activity mapping

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Winter - 2020- 2021

VP	Date	Observer	Start Time	Finish Time	Length of VP watch (hours)	Weather
1	12/10/2020	JNM	10:00	13:00	3	A dry morning with pleasant sunny spells, mild North-west winds F2-3. Temperature 12-13°C with good visibility.
1	13/10/2020	JNM	13:00	16:00	3	A fine dry sunny day with slack North breeze F1-3. Temperature 12°C and visibility good.
1	02/11/2020	JNM	14:00	17:00	3	A wet and windy day with some sunny spells breaking through in the afternoon and South/South-west winds F3-6. Temperature 8-10°C and visibility poor to ok.
1	03/11/2020	JNM	08:30	11:30	3	A dry sunny morning with the odd light shower and Westerly winds shifting to North-west later, F2-5. Temperature 7-8°C and visibility good.
1	01/12/2020	JNM	12:00	15:00	3	A very wet misty day with heavy showers in the afternoon and Westerly winds with F2-5. Temperature 14°C with poor to fair visibility.
1	01/12/2020	JNM	12:30	15:30	3	A foggy morning with mist clearing by midday to give a nice bright calm afternoon and North-west winds F1-3. Temperature 10°C with visibility poor/good
1	04/01/2021	JNM	09:30	12:30	3	A cold frosty dry day with East to South-east winds with F2-4. Temperature -3 to 4°C and good visibility.
1	05/01/2021	JNM	13:30	16:30	3	A very fine dry cold with prolonged sunny periods and East/North-east winds F1-2. Temperature -3to +4°C with good visibility.
1	01/02/2021	JNM	09:00	12:00	3	A dull, misty morning with rising winds and numerous showers. South-westerly winds with F1-4, temperature 8-9°C and visibility poor/ok
1	02/02/2021	JNM	14:00	17:00	3	A wet afternoon with some dry periods and Westerly winds F1-2/3. Temperature 8-9°C and visibility ok.
1	01/03/2021	JNM	10:00	13:00	3	A fine cold, dry, sunny day with East/South-easterly winds F1-3. Temperature 8-10°C and visibility good.
1	03/03/2021	JNM	14:00	17:00	3	A dry, foggy, calm day with slack East/North-east winds F1. Temperature 2-6°C and visibility poor/ok.

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Summer- 2021

VP	Date	Observer	Start Time	Finish Time	Length of VP watch (hours)	Weather
1	01/04/2021	JNM	08.30	11.30	3	A calm still morning with some mist. Temperature 9°C with moderate visibility.
1	06/04/2021	JNM	14.45	17.45	3	A cool, dry day with lots of sunshine and a cold Northerly wind F3-6. Temperature 8-10°C with good visibility.
1	04/05/2021	JNM	09.15	12.15	3	A mainly dry morning with the occasional shower and some strong West/North-westerly winds F3-5. Temperature 10°C with good visibility.
1	06/05/2021	JNM	13.30	16.30	3	A fine sunny day with lots of clear blue skies and a Northerly wind F1-4. Temperature 11°C with good visibility.
1	02/06/2021	JNM	10.00	13.00	3	A very wet morning with slack Northerly winds. Temperature 12°C with moderate visibility.
1	08/06/2021	JNM	16.30	19.30	3	A fine dry sunny afternoon with the occasional shower and fresh Southerly winds F5-6. Temperature 16-18°C with good visibility.
1	05/07/2021	JNM	14.30	17.30	3	A fine warm sunny afternoon with North-westerly winds F1-4. Temperature 17°C with good visibility.
1	06/07/2021	JNM	10.15	13.15	3	A wet morning with some bright periods around noon and West/North-westerly winds F3-5. Temperature 14-16°C with moderate visibility.
1	05/08/2021	JNM	10.00	13.00	3	A fine sunny day with a few light showers and South/West/South-westerly winds F3-4. Temperature 18-19°C with good visibility.
1	06/08/2021	JNM	13.15	16.15	3	A showery wet day with West/North-westerly winds F3-6. Temperature 14-16°C with poor to moderate visibility.
1	01/09/2021	JNM	11.45	14.45	3	A dry day with some bright spells and Easterly winds F2-3/4. Temperature 18°C with good visibility.
1	02/09/2021	JNM	13.30	16.30	3	A bright afternoon with some nice sunny spells and slack Easterly winds F1-2. Temperature 18°C with good visibility.

Winter 2021-2022

VP	Date	Observer	Start Time	Finish Time	Length of VP	Weather
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					watch (hours)	
1	06/10/2021	JNM	14:30	17:30	3	A damp, wet and misty day, cloud cover 8/8 – 6/8, west/south-westerly winds, wind F1-4, temp 11-15oC, visibility ok.
1	08/10/2021	JNM	11:15	14:15	3	A damp wet morning, cloud cover 8/8, south-westerly winds, wind F2-5, temp 16-17oC, visibility ok.
1	02/11/2021	JNM	13:00	16:00	3	A misty and foggy start to the day, with slight sunshine, cloud cover 8/8 – 5/8, westerly winds, wind F1-2 up to F3-4, temp 3-11oC, visibility good.
1	04/11/2021	JNM	14:00	17:00	3	A good, sunny day, cloud cover 4/8, slack northerly winds, temp 2-4oC, visibility good.
1	03/12/2021	JNM	07:30	10:30	3	A dull morning with overcast, cloud cover full, slack west winds, wind F1-3, temp 7-9oC, visibility good.
1	06/12/2021	JNM	14:00	17:00	3	An extremely wet day with heavy showers, cloud cover full, west/north-westerly winds, wind F4-6, temp 6oC, visibility ok.
1	10/01/2022	JNM	11:15	14:15	3	A damp wet, misty day, cloud cover full, south-westerly winds, wind F1-3, temp 11oC, visibility poor.
1	11/01/2022	JNM	14:30	17:30	3	A dry calm, sunny day, temp 5-10oC, visibility good.
1	04/02/2022	JNM	08:30	11:30	3	A misty morning with some sunny spells and some heavy showers, cloud cover 6/8, westerly winds, wind F2-4, temp 2-8oC, visibility good.
1	07/02/2022	JNM	14:30	17:30	3	A damp misty start to the day, cleared a little in the afternoon, cloud cover full, south-westerly winds, wind F1-2/4-5, temp 11-12oC, visibility poor.
1	04/03/2022	JNM	08:00	11:00	3	A fine cold day with some sun, cloud cover 4/8, slack west/north-westerly winds, wind F1-2, temp 3-10oC, visibility good.
1	07/03/2022	JNM	14:99	17:00	3	A dull cold day, with some periodic sun, cloud cover 5/8, southerly winds, wind F3-4, temp 7oC, visibility good.

Summer- 2022

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VP	Date	Observer	Start Time	Finish Time	Length of VP watch (hours)	Weather
1	11/04/2022	JNM	16:00	19:00	3	A dry day with some bright sunny spells, 5/8 cloud cover, south/ south easterly F3-5 winds, a temperature of 8-13oC, with good visibility.
1	11/04/2022	JNM	16:00	19:00	3	A dry day with some bright sunny spells, 5/8 cloud cover, south/ south easterly F3-5 winds, a temperature of 8-13oC, with good visibility
1	09/05/2022	JNM	07 00	10 00	3	a damp wet morning with lots of showers, heavy rain at 10 00, full cloud cover, a temperature of 12oC, south west / westerly F2-3 winds, with ok visibility.
1	10/05/2022	JNM	13 30	16 30	3	a fine dry sunny warm afternoon, 6/8 cloud cover, south westerly F5-6 winds, a temperature of 14oC, with good visibility.
1	31/05/2022	JNM	17 05	20 05	3	a dry evening with some bright sunny spells, 6/8 cloud cover, north westerly F1-3 winds, a temperature of 13oC, with good visibility
1	01/06/2022	JNM	14 00	17 00	3	a fine dry warm sunny day with blue skies and lots of sunshine, 1/8 cloud cover, north westerly F1-3 winds, a temperature of 17oC, with good visibility.
1	06/07/2022	JNM	08 00	11 00	3	a dull morning with low cloud cover and some mist at 10 00, cleared by 10 45, full cloud cover, south westerly F 2-3 winds, a temperature of 15oC, with ok visibility.
1	07/07/2022	JNM	12 30	15 30	3	a misty damp day with poor visibility at times but some clear spells, fill cloud cover, westerly/ north westerly F1-2 winds. Temperatures of 15-17oC, with poor to ok visibility.
1	03/08/2022	JNM	12.30	15.30	3	a day with some light showers with a few dry periods, cloud cover during the day, westerly F2-4 winds, a temperature of 15oC, with ok visibility.

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Target Species Observations

Buzzard																	
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category						
											Non-flight	0-20m	20 – 50m	50-100m	100-180m	>180m	
07/07/2022	1	Unknown	Unknown	Summer 22	1, 1-1	Improved Grassland	1	12.31	Flying , perched	08 to 12		-	-	-	-	-	

Grey Heron																
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category					
											Non-flight	0-20m	20-50m	50 – 100m	100-150m	>150m
02/02/2021	1	Unknown	Unknown	Winter 20/21	1, 1-1	Improved grassland/Bog	1	15.51	Flying	25	-	-	90	-	-	-
08/06/2021	1	Unknown	Unknown	Summer 21	1, 1-1	1 st Rotation Forest/Improved grassland/Bog	1	17.48	Flying	40-70	-	-	-	180	-	-
04/02/2022	1	Unknown	Adult	Winter 21/22	1, 1-1	Improved grassland/bog	1	09:26	flying	25m	-	-	30	-	-	-
31/05/2022	1	Unknown	Adult	Summer 22	1, 2-1	Improved grassland, rough grassland bog	1	18:14	Flying	40			30			
06/07/2022	1	Unknown	Adult	Summer 22	2, 2-1	Improved grassland, rough grassland	1	09:50	Flying	2-7		40-50				

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Hen Harrier																
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category					
											Non-flight	0-20m	20-50m	50 – 100m	100-150m	>150m
03/03/2021	1	Male	Unknown	Winter 20/21	1, 2-1	Improved grassland/ Scrub/ Bog	1	15.17-15.20	Hunting/Flying	3-5	-	180	-	-	-	-
06/04/2021	1	Male	Adult	Summer 21	1, 2-1	Rough & Improved grassland	1	16.38	Flying/Hunting	1-4	-	60	-	-	-	-
04/05/2021	1	Male	Adult	Summer 21	2, 2-1	Rough grassland/Bog/Scrub	1	11.08	Hunting	3-8	-	180	-	-	-	-
02/11/2021	1	Female	Unknown	Winter 21/22	1, 2-1	Bog/improved grassland	1	14:47	Flying/hunting	1-2m	-	25	-	-	-	-
10/01/2022	1	Female	Adult	Winter 21/22	2, 2-1	bogland	1	11:53	Flying/hunting	2-5m	-	40	-	-	-	-
11/01/2022	1	Male	Adult	Winter 21/22	3, 2-1	bogland	1	16:37	Flying/hunting	3-5m	-	30-40	-	-	-	-
01/06/2022	1	Male	Adult	Summer 22	1, 3-1	Rough grassland bog	1	13:39	Flying hunting	10-15	-	120	-	-	-	-
07/07/2022	1	Male	Adult	Summer 22	2, 3-1	Improved & Rough grassland	1	13.:08	Flying	5-8	-	60				

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Herring Gull																
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category					
											Non-flight	0-20m	20-50m	50-100m	100-150m	>150m
12/10/2020	1	Unknown	Unknown	Winter 20/21	1,3-1	Improved grassland	12	10:00-13:00	Feeding	on ground					-	-
01/04/2021	1	Unknown	Adult	Summer 21	1, 3-1	Improved & Rough grassland /Bog	1	9.30	Flying	60	-	-	-	40	-	-
04/05/2021	1	Unknown	Adult	Summer 21	3, 3-1	Rough grassland/Bog	1	11.00	Flying	20 to 25	-	-	120	-	-	-
08/06/2021	1	Unknown	Unknown	Summer 21	4, 3-1	Improved & Rough grassland /Bog	2	16.52	Flying	06 to 20	-	30	-	-	-	-
08/06/2021	1	Unknown	Unknown	Summer 21	5, 3-1	Improved & Rough grassland /Bog	1	17.09	Flying	23 to 30	-	-	45	-	-	-
08/06/2021	1	Unknown	Unknown	Summer 21	6, 3-1	Improved & Rough grassland /Bog	3	17.30	Flying	30 to 60	-	-	30-40	-	-	-
08/06/2021	1	Unknown	Unknown	Summer 21	7, 3-1	Improved & Rough grassland /Bog	2	18.07	Flying	20 to 30	-	-	25-30	-	-	-
05/07/2021	1	Unknown	Adult	Summer 21	8, 3-2	Improved & Rough grassland	1	16.50	Flying	20 to 25	-	-	20-30	-		
02/11/2021	1	Unknown	Unknown	Winter 21/22	1, 3-1	Improved grassland/bog	1	15.03	flying	10 to 15	-	30	-	-		
10/01/2022	1	Unknown	Unknown	Winter 21/22	2, 3-1	Improved grassland	15	-	On the ground	to	10800	-	-	-		
11/01/2022	1	Unknown	Unknown	Winter 21/22	3, 3-1	Bogland/improved grassland	8	15.30	flying	25 to 30	-	-	50	-		
09/05/2022	1	Unknown	Adult	Summer 22	1, 4-1	Improved & Rough grassland	1	9.40	Flying	40	-	-	40	-		
10/05/2022	1	Unknown	Adult	Summer 22	2, 4-1	Improved & Rough grassland	1	14.00	Flying	60	-	-	-	50		
10/05/2022	1	Unknown	Adult	Summer 22	3, 4-1	Improved & Rough grassland	1	15.14	Flying	30 to 40	-	-	-	50		
31/05/2022	1	Unknown	Adult	Summer	4, 4-1	Improved & Rough	10	17.42	Flying	20	-	30	-	-		

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				22		grassland									
03/08/2022	1	Unknown	Adult	Summer 22	5ABC 4-2	Improved & Rough grassland	6	14.17	Flying	60 to 70	-	-	30		
03/08/2022	1	Unknown	Adult	Summer 22	6AB, 4-2	Improved & Rough grassland	2	14.38	Flying	50 to 60	-	-	80		
06/04/2021	1	Unknown	Adult	Summer 21	2, 3-1	Rough & Improved grassland/Bog/Scrub	1	09:30	Flying	60	-	40			
06/07/2021	1	Male	Adult	Summer 21	9, 3-2	Improved grassland	1	10:15	Feeding	On ground					

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Kestrel																
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category					
											Non-flight	0-20m	20-50m	50-100m	100-150m	>150m
13/10/2020	1	Unknown	Unknown	Winter 20/21	1, 4-1	Rough grassland	1	15.02	Hunting	2 to 3	-	3	26	-	-	-
03/11/2020	1	Unknown	Unknown	Winter 20/21	2, 4-1	Improved grassland/ Rough grassland	1	9.17	Flying/Circling/ Hunting	30 to 40	-	-	120	-	-	-
01/03/2021	1	Female	Unknown	Winter 20/21	3, 4-1	Improved grassland/ Scrub/ Bog	1	11.10	Hunting/Soaring Circling/Flying	45 to 50	-	-	6000	-	-	-
01/03/2021	1	Unknown	Unknown	Winter 20/21	3, 4-1	Improved grassland/ Scrub/ Bog	1	13.00	Flying	15 to 20	-	600	-	-	-	-
06/04/2021	1	Unknown	Unknown	Summer 21	1, 4-1	Bog/Rough grassland	1	15.18	Flying/Circling/Hunting	80 to 100	-	-	-	240	-	-
08/06/2021	1	Unknown	Unknown	Summer 21	2, 4-1	Rough & Improved grassland	1	17.00	hunting	30-60	-	900	900	-	-	-
01/09/2021	1	Unknown	Immature	Summer 21	3, 4-1	Improved & Rough grassland /Bog	1	13.40	Flying/Circling	20 to 40	-	-	180	-	-	-
02/11/2021	1	Unknown	Adult	Winter 21/22	1, 4-1	Unknown	1	13.14	flying	30 to 35	-	-	40-50	-	-	-

Lapwing															
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category				
											Non-flight	0-20m	20-50m	50-100m	>180m
04/01/2021	1	Unknown	Unknown	Winter 20/21	1,5-1	Improved grassland	12	09:30-12:30	Feeding	on ground	10800	-	-	-	-

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Lesser black-backed gull																
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category					
											Non-flight	0-20m	20-50m	50 – 100m	100-150m	>150m
01/04/2021	1	Unknown	Adult	Summer 21	1, 5-1	Improved & Rough grassland	1	10.13	Flying/Circling	40	-	-	30-40	-	-	-
08/06/2021	1	Unknown	Adult	Summer 21	2, 5-1	Improved & Rough grassland	2	18.15	Flying	20 to 40	-	-	60	-	-	-
02/09/2021	1	Unknown	Unknown	Summer 21	3, 5-1	1st Rotation Forest/ Bog	2	15.17	Flying	200 to 250	-	-	-	-	-	30
02/11/2021	1	Unknown	Unknown	Winter 21/22	1, 5-1	Grassland/bog	1	15.03	flying	10 to 15	-	30	-	-	-	-
10/05/2022	1	Unknown	Adult	Summer 22	1, 5-1	Improved & Rough grassland	1	13.51	Flying	20-40	-	-	-	-	-	-
01/06/2022	1	Unknown	Adult	Summer 22	2, 5-1	Improved & Rough grassland	1	15.37	Flying	20	-	15	-	-	-	-
06/07/2022	1	Unknown	Adult	Summer 22	3, 5-1	Improved & Rough grassland	1	10.37	Flying	20	-	30	-	-	-	-
01/04/2021	1	Unknown	Adult	Summer 21	1, 5-2	Improved & Rough grassland	0.857142857	13.03	Flying/Circling	41	-	-	30-41	-	-	-

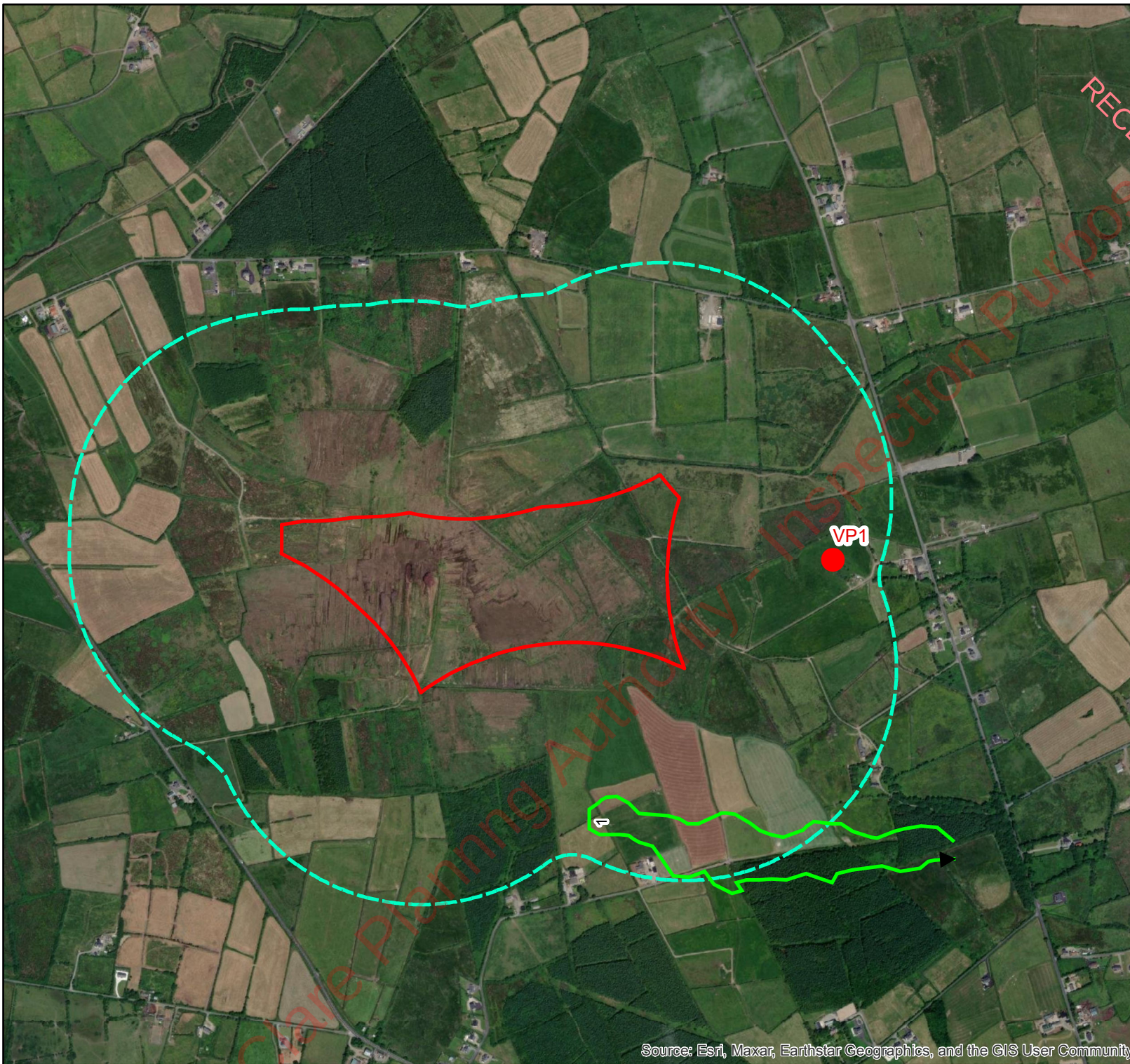
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Little Egret															
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category				
											Non-flight	0-20m	20-50m	50-100m	100-150m
02/06/2021	1	Unknown	Unknown	Summer 21	1,5-1	Rough Grassland	1	10:00	Feeding	In drain	-	-	-	-	-

Mallard																
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category					>180m
											Non-flight	0-20m	20 – 50m	50-100m	100-180m	
04/03/2022	1	Unknown	Unknown	Winter 21/22	1, 6-1	pond	109	08:00-11:00	swimming	On ground	10800	-	-	-	-	-
01/06/2022	1	Pair	Adult	Summer 22	1, 6-1	Rough grassland	2	15.08	Flying	3	-	20				

Sparrowhawk																
Date	VP	Sex	Age	Season	Map Ref	Habitat	No. Of Birds	Time of Flight/ Obs.	Activity	Flight Height (m)	Time (sec) in Height Category					
											Non-flight	0-20m	20-50m	50 – 100m	100-150m	>150m
06/04/2021	1	Female	Unknown	Summer 21	1, 7-1	Rough & Improved grassland	1	16.33	Flying/Circling/Hunting	3 to 40	-	-	60	-	-	-
06/05/2021	1	Male	Adult	Summer 21	2, 7-1	Rough & Improved grassland/Bog/Scrub	1	16.14	Flying/Hunting	1 to 3	-	60	-	-	-	-
06/07/2022	1	Female	Adult	Summer 22	1, 7-1	Rough grassland	1	10.24	Hunting flying	3 to 6	-	20-30	-			



Legend

-  Vantage Point
-  Development Area
-  500m Survey Area Buffer

Flight Path

-  1, 08/06/2021

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2021
Map 1-1 Grey Heron

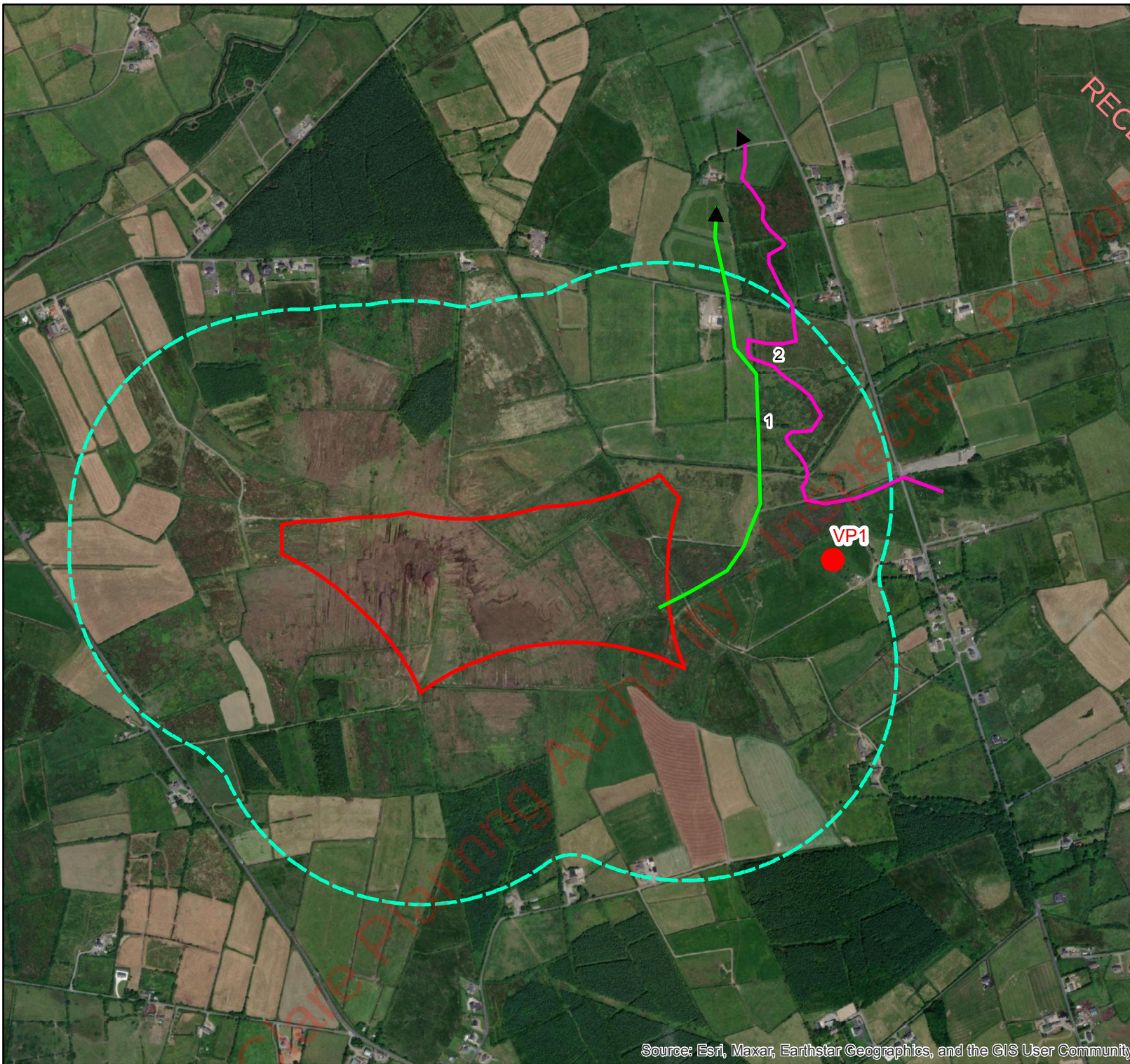
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,500

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 06/04/2021
- 2, 04/05/2021

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2021
Map 2-1 Hen Harrier

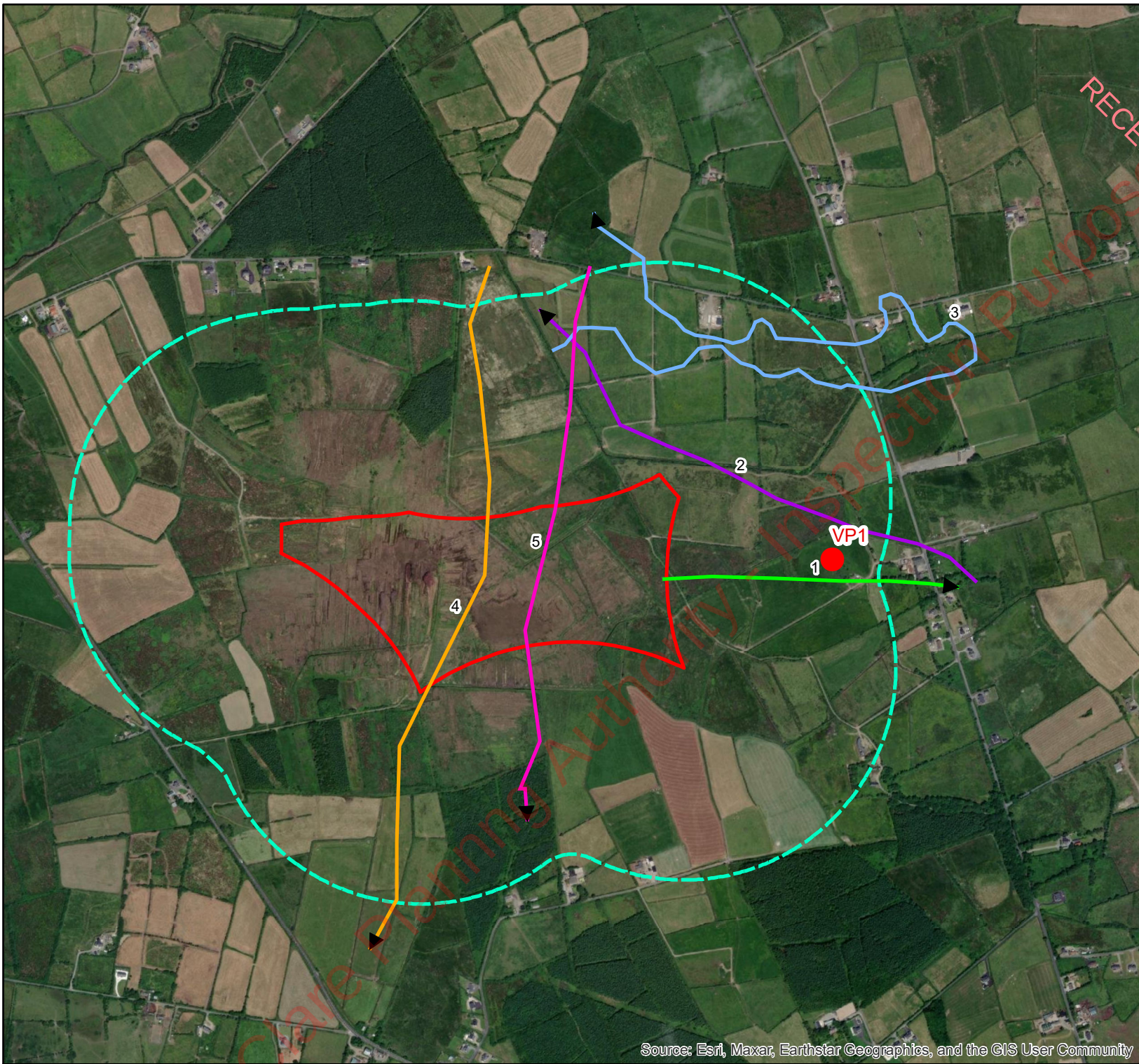
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,500

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 01/04/2021
- 2, 06/04/2021
- 3, 04/05/2021
- 4, 08/06/2021
- 5, 08/06/2021

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CYAL50261645.

0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2021
Map 3-1 Herring Gull

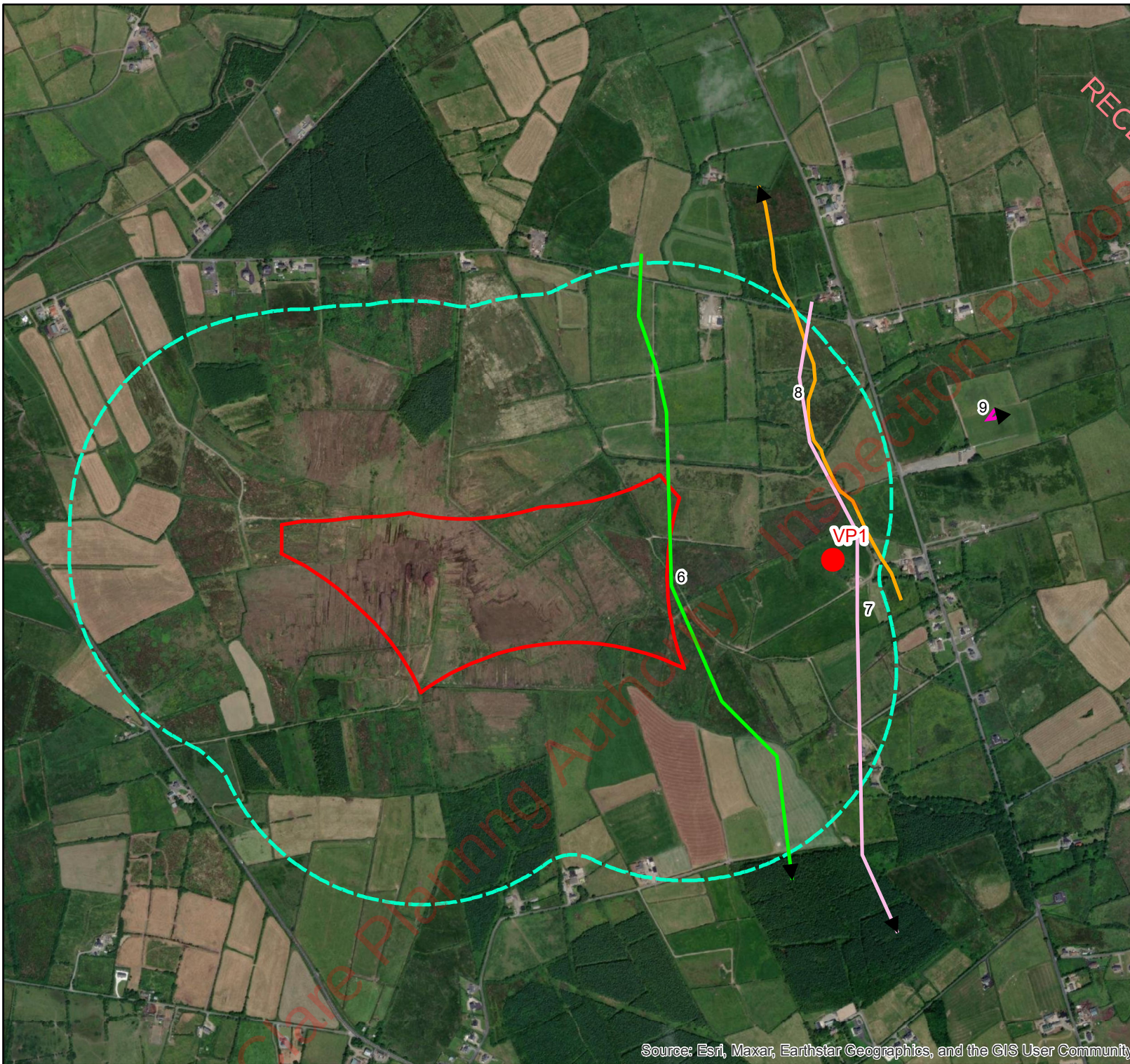
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,500

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area Buffer

Flight Path

- 6, 08/06/2021
- 7, 08/06/2021
- 8, 05/07/2021
- 9, 06/07/2021

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km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2021
Map 3-2 Herring Gull

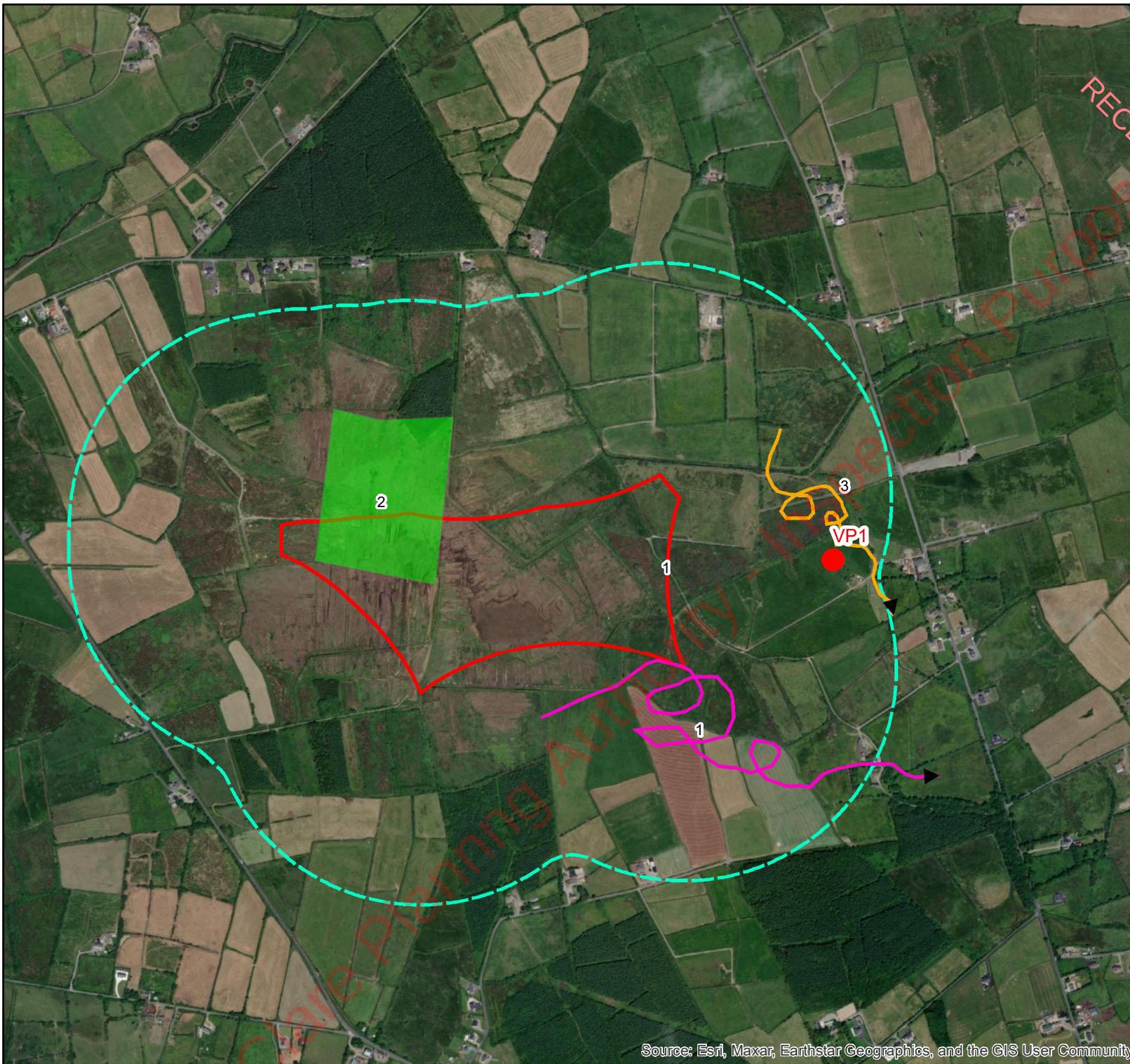
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,500

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 06/04/2021
- 3, 01/09/2021

Activity

- 2, 08/06/2021

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0 0.2 0.4
km



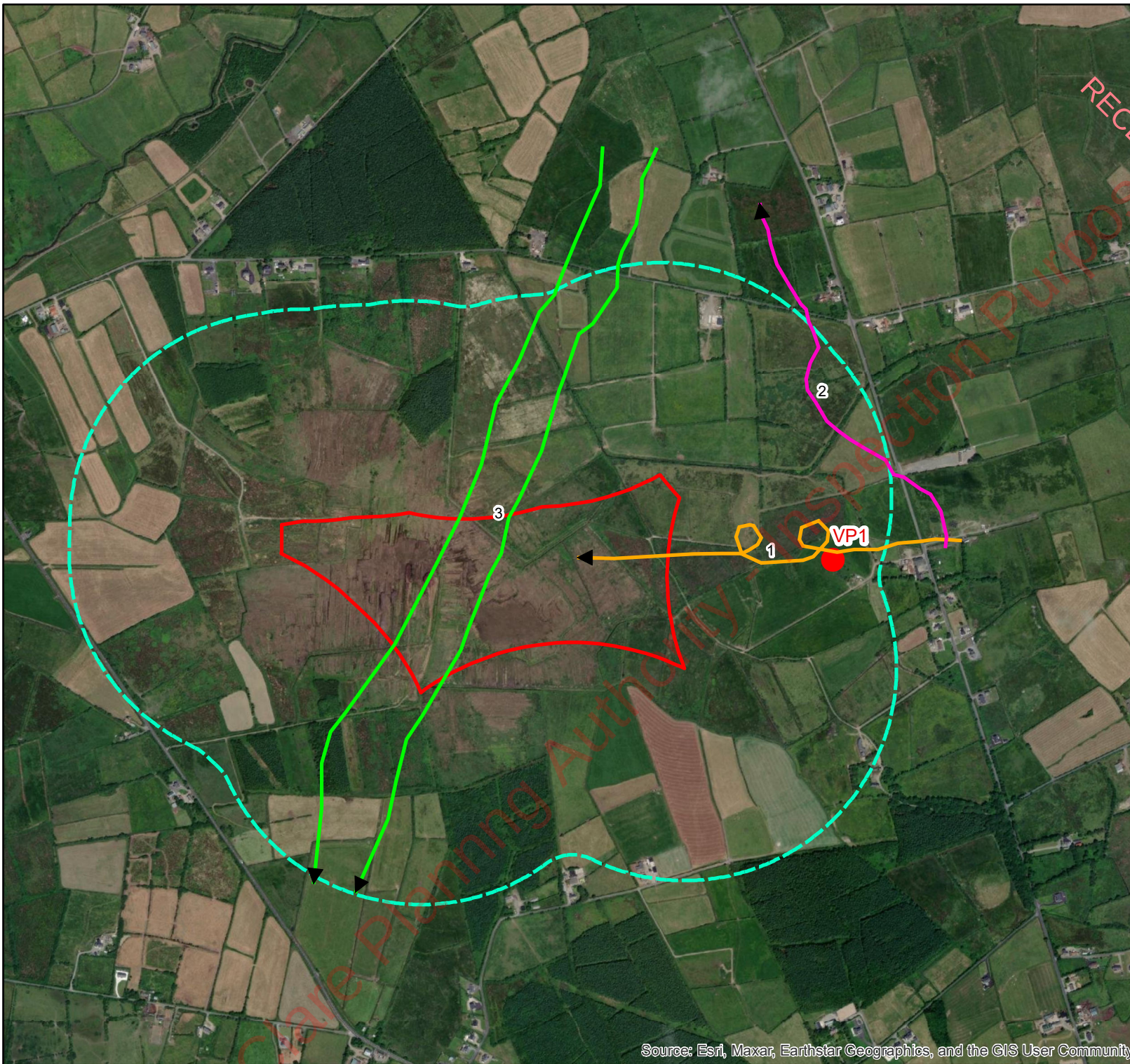
Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2021
Map 4-1 Kestrel

Drawn: AF	Checked: SK
Date: 25/04/2023	Scale (A4): 1:12,500

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 01/04/2021
- 2, 08/06/2021
- 3, 02/09/2021

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2021
Map 5-1 Lesser Black-backed Gull

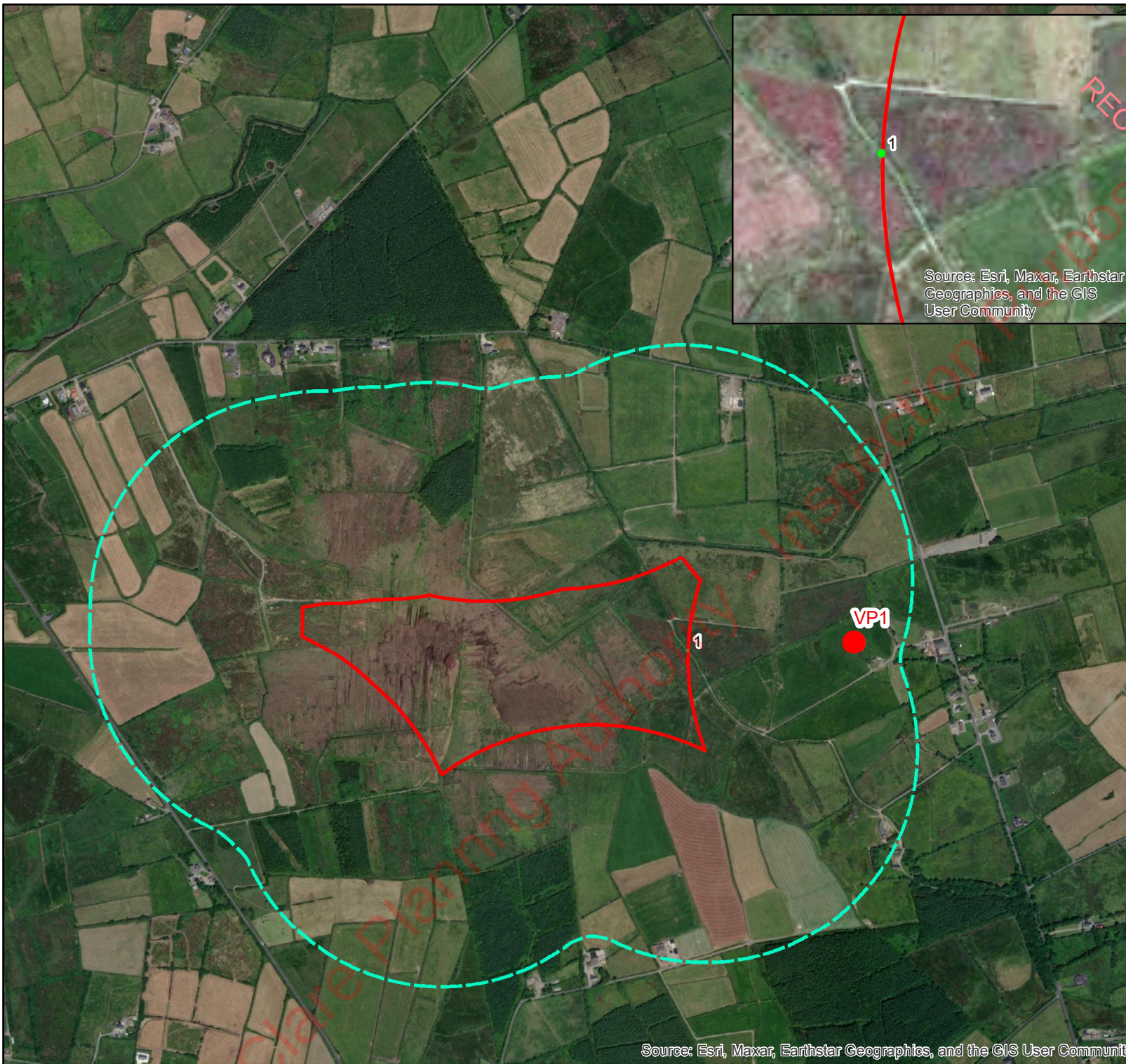
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Date: 25/04/2023

Scale (A4): 1:12,500

MWP



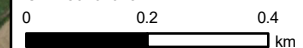
Legend

- Vantage Point
- ▭ Development Area
- - - 500m Survey Area Buffer

Activity

■ 1, 02/06/2021

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Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer
2021 Map 6-1 Little Egret

Drawn: AF

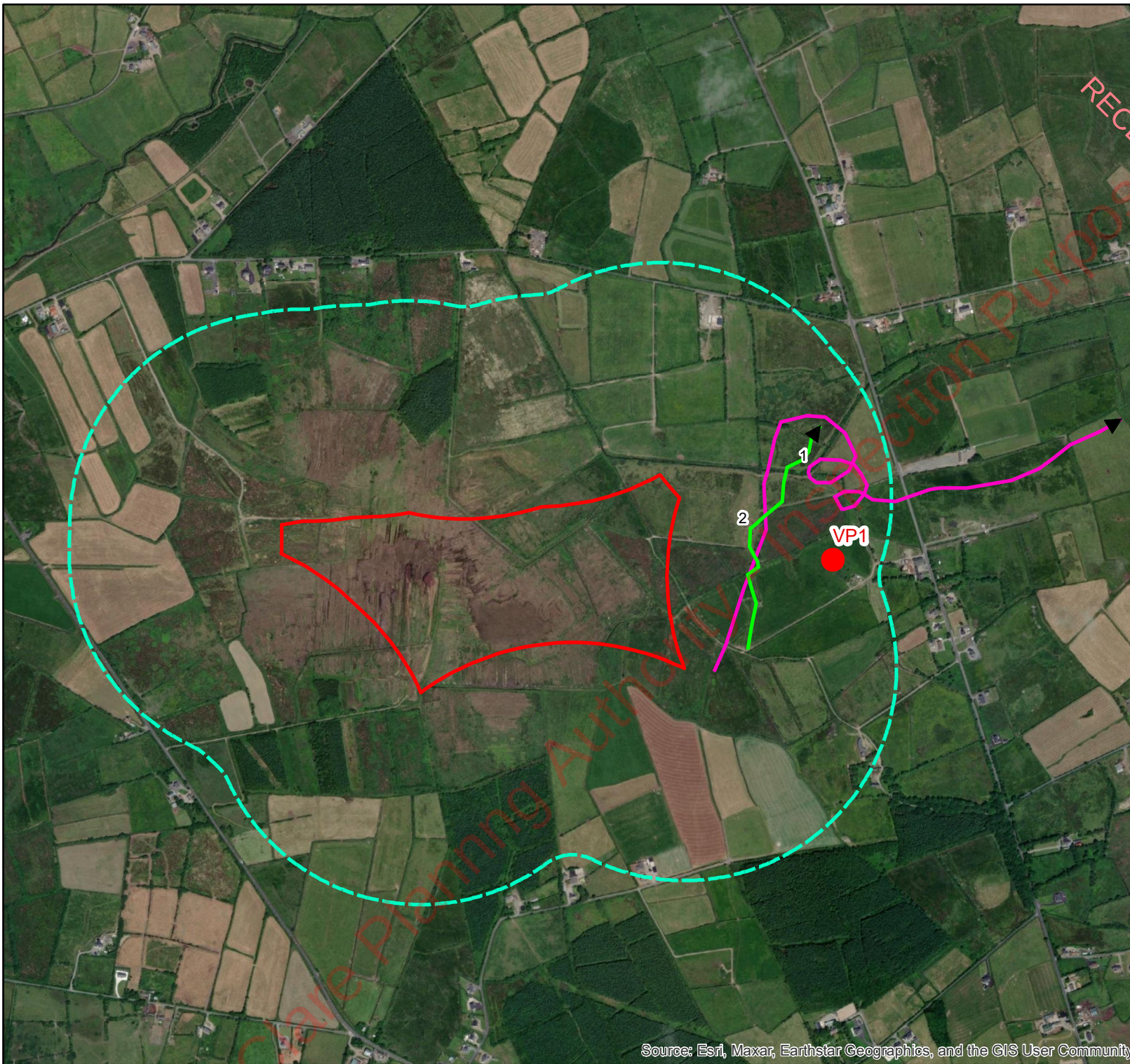
Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,500

MWP

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Vantage Point
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 06/04/2021
- 2, 06/05/2021

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2021
Map 7-1 Sparrowhawk

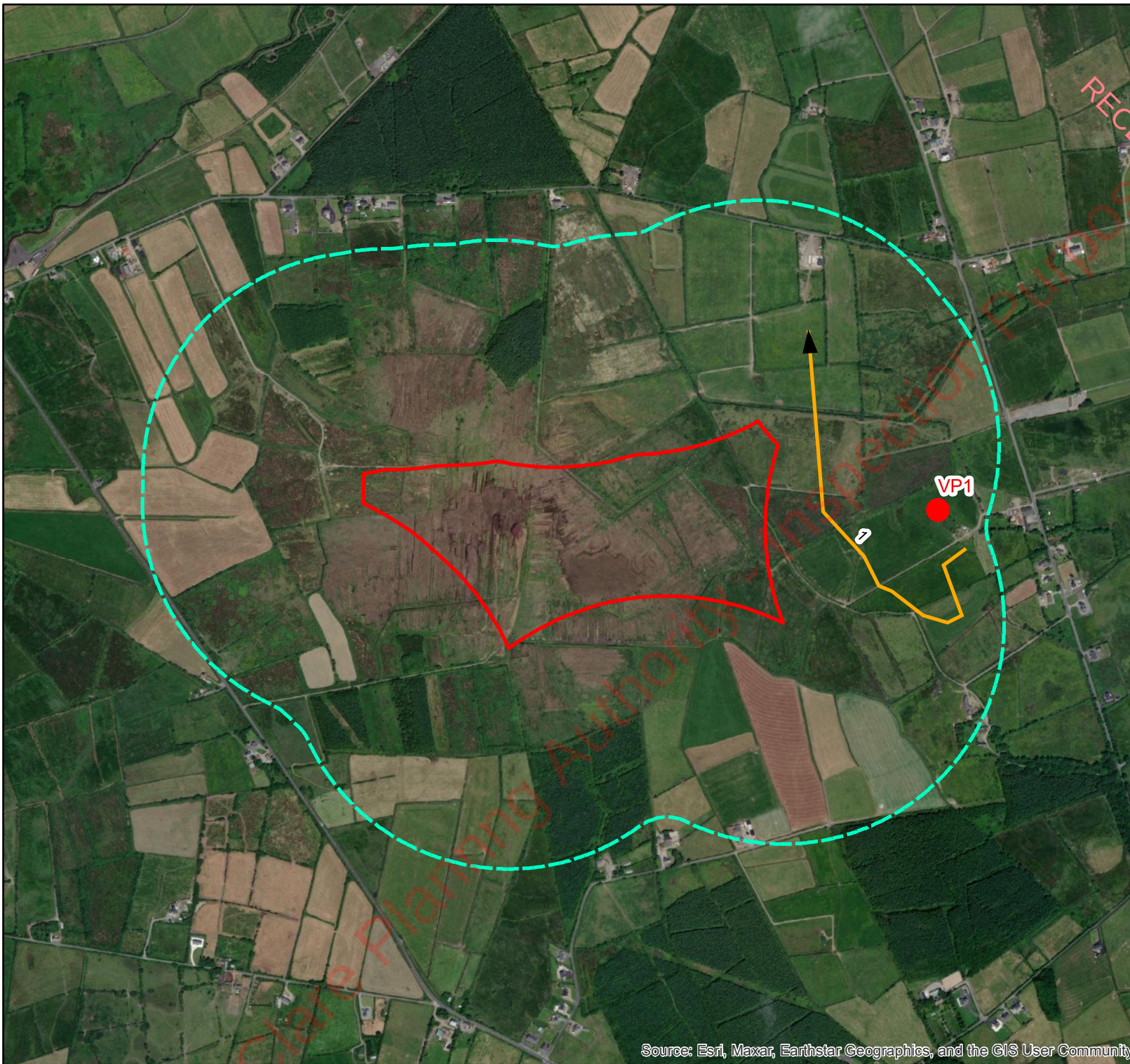
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,500

MWP



Legend

- Vantage Points
- Development
- 500m Survey Area

Flight Path

➔ 1, 07/07/2022

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2022
Map 1-1 Buzzard

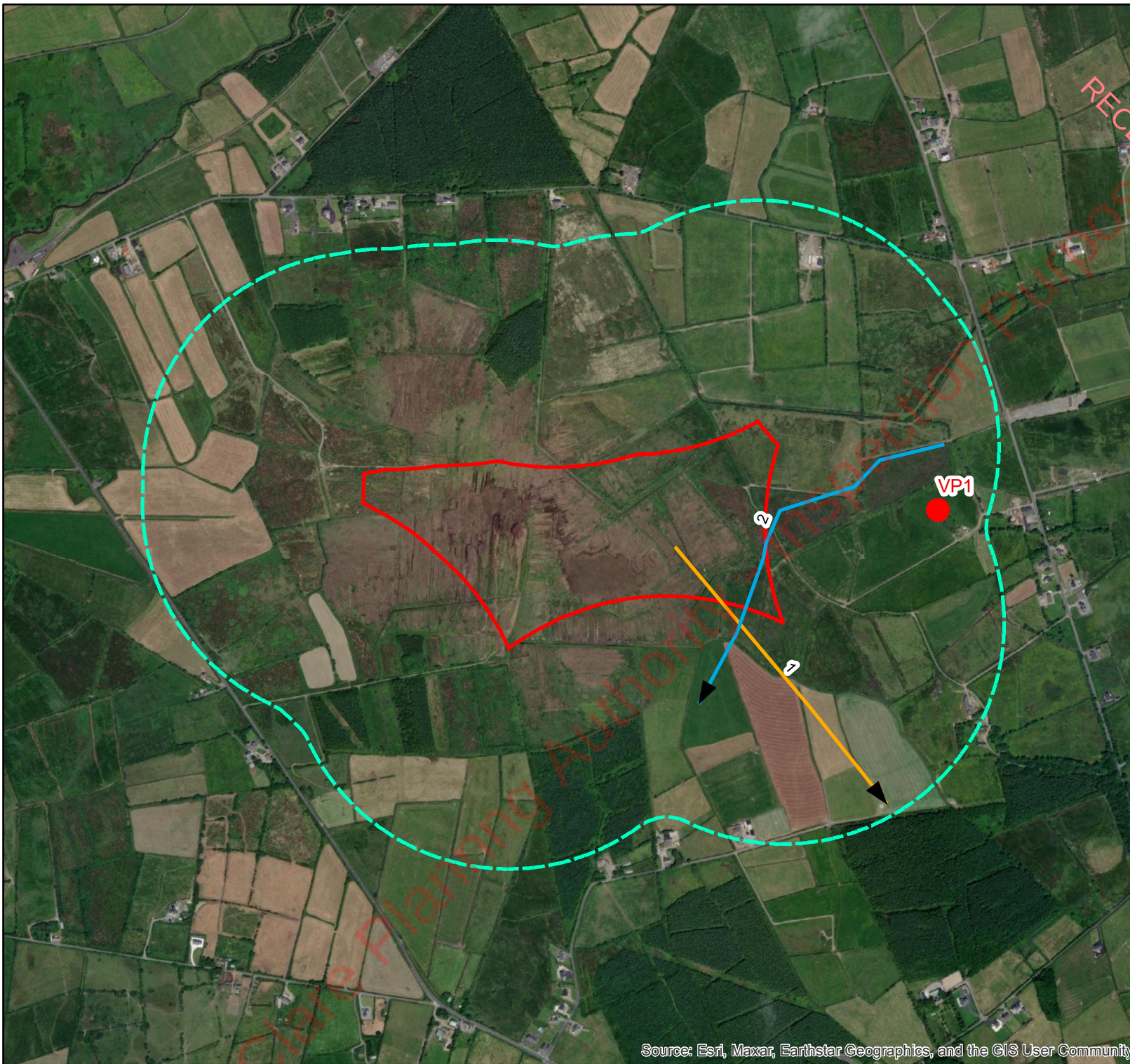
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Points
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 31/05/2022
- 2, 06/07/2022

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

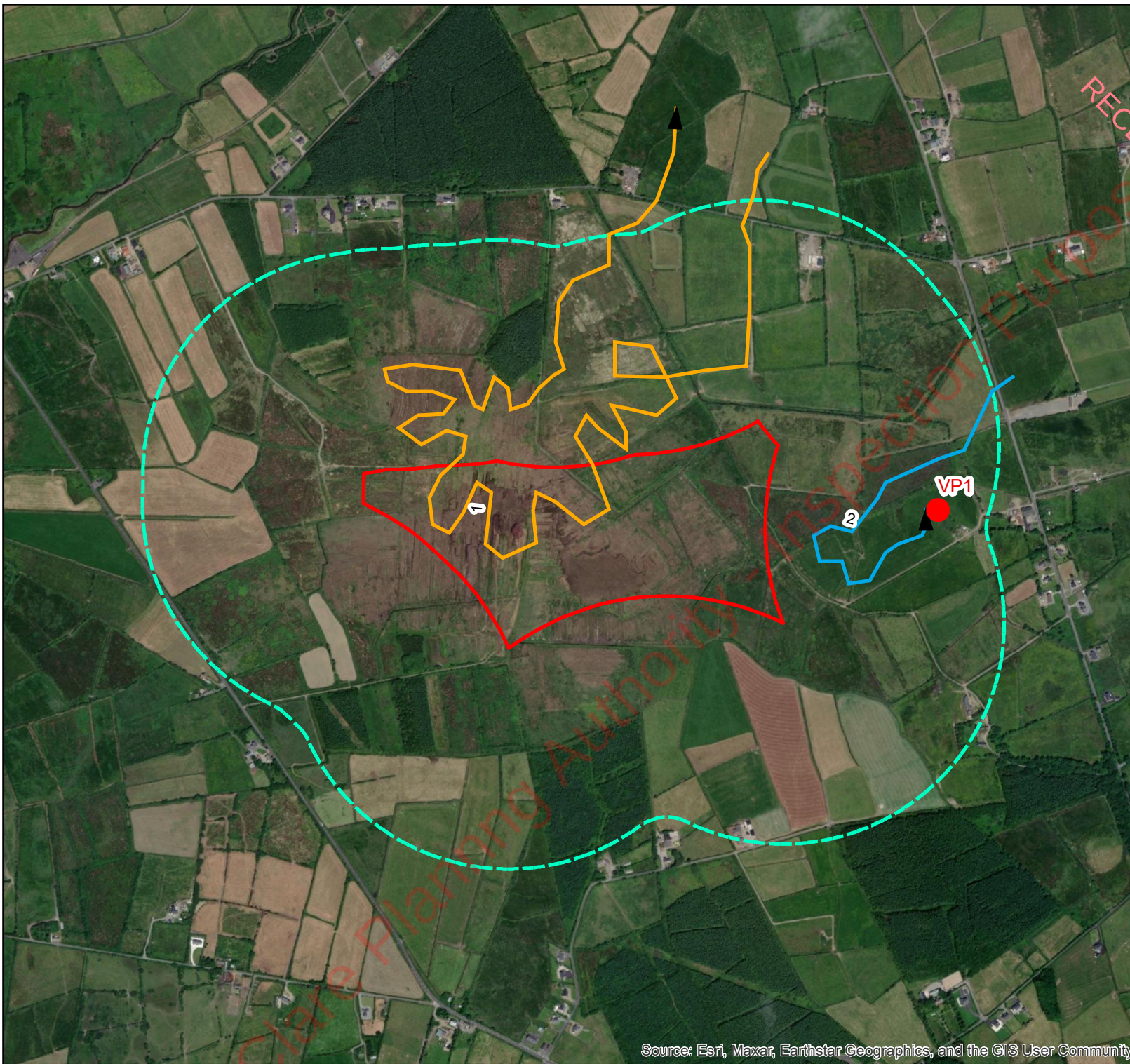
Client: Greensource

Drawing Title:
Bird Survey Summer 2022
Map 2-1 Grey Heron

Drawn: AF Checked: SK

Date: 25/04/2023 Scale (A4): 1:12,000

MWP



Legend

- Vantage Points
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 01/06/2022
- 2, 07/07/2022

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CYAL50261645.

0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2022
Map 3-1 Hen Harrier

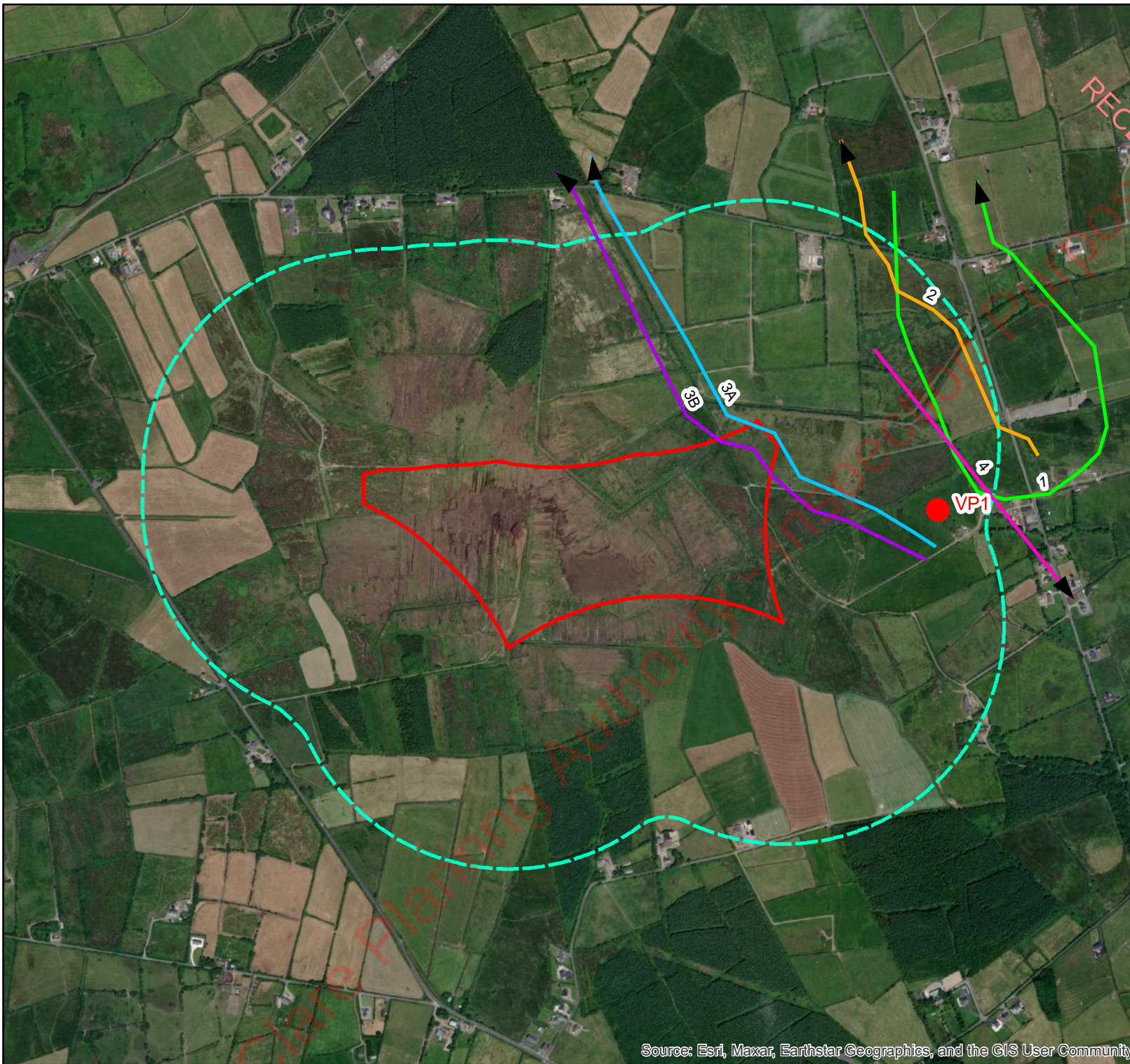
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Points
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 09/05/2022
- 2, 10/05/2022
- 3A, 10/05/2022
- 3B, 10/05/2022
- 4, 31/05/2022

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2022
Map 4-1 Herring Gull

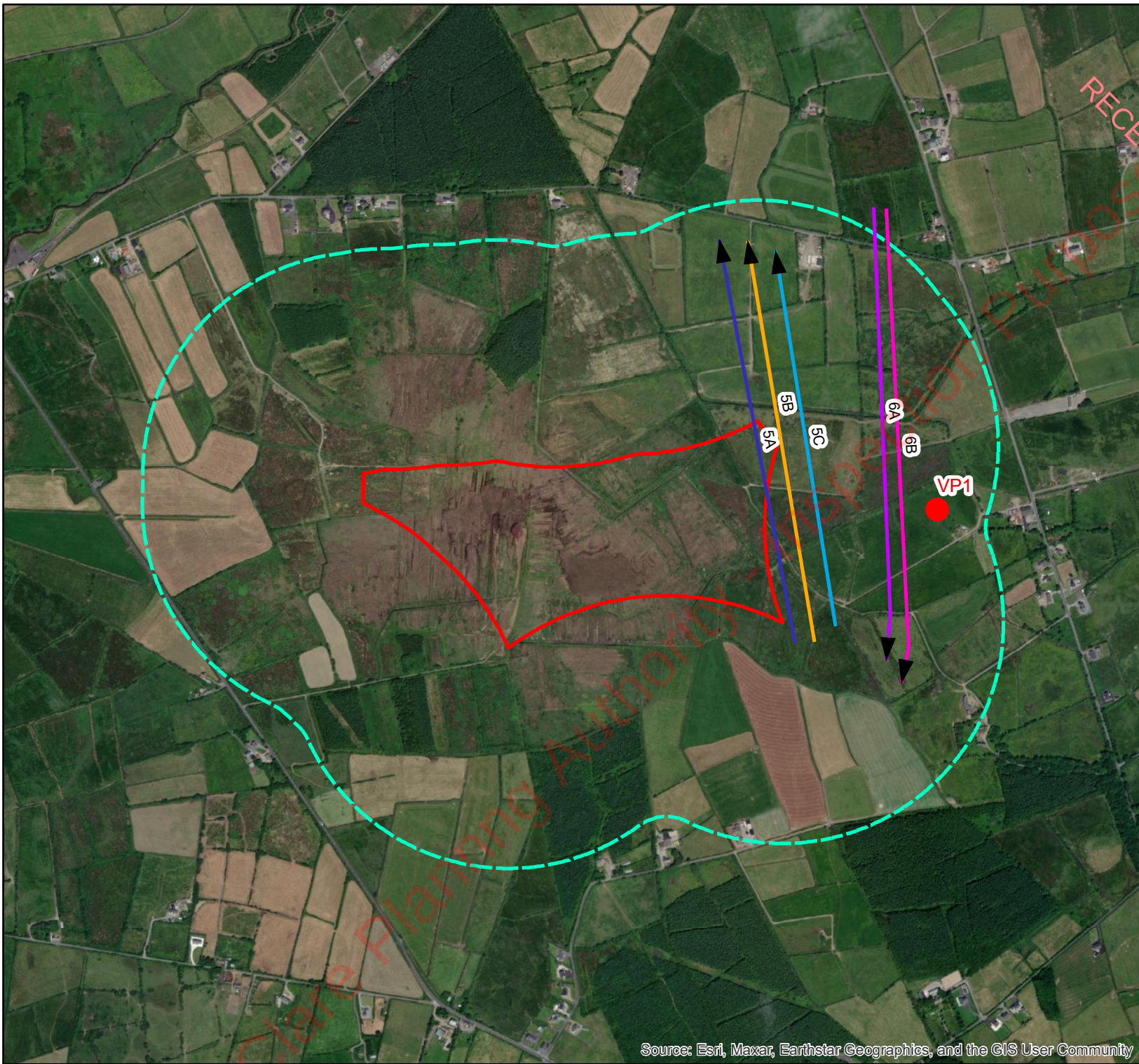
Drawn: AF

Checked: SK

Date: 26/05/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Points
- Development Area
- 500m Survey Area Buffer

Flight Path

- 5A, 03/08/2022
- 5B, 03/08/2022
- 5C, 03/08/2022
- 6A, 03/08/2022
- 6B, 03/08/2022

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2022
Map 4-2 Herring Gull

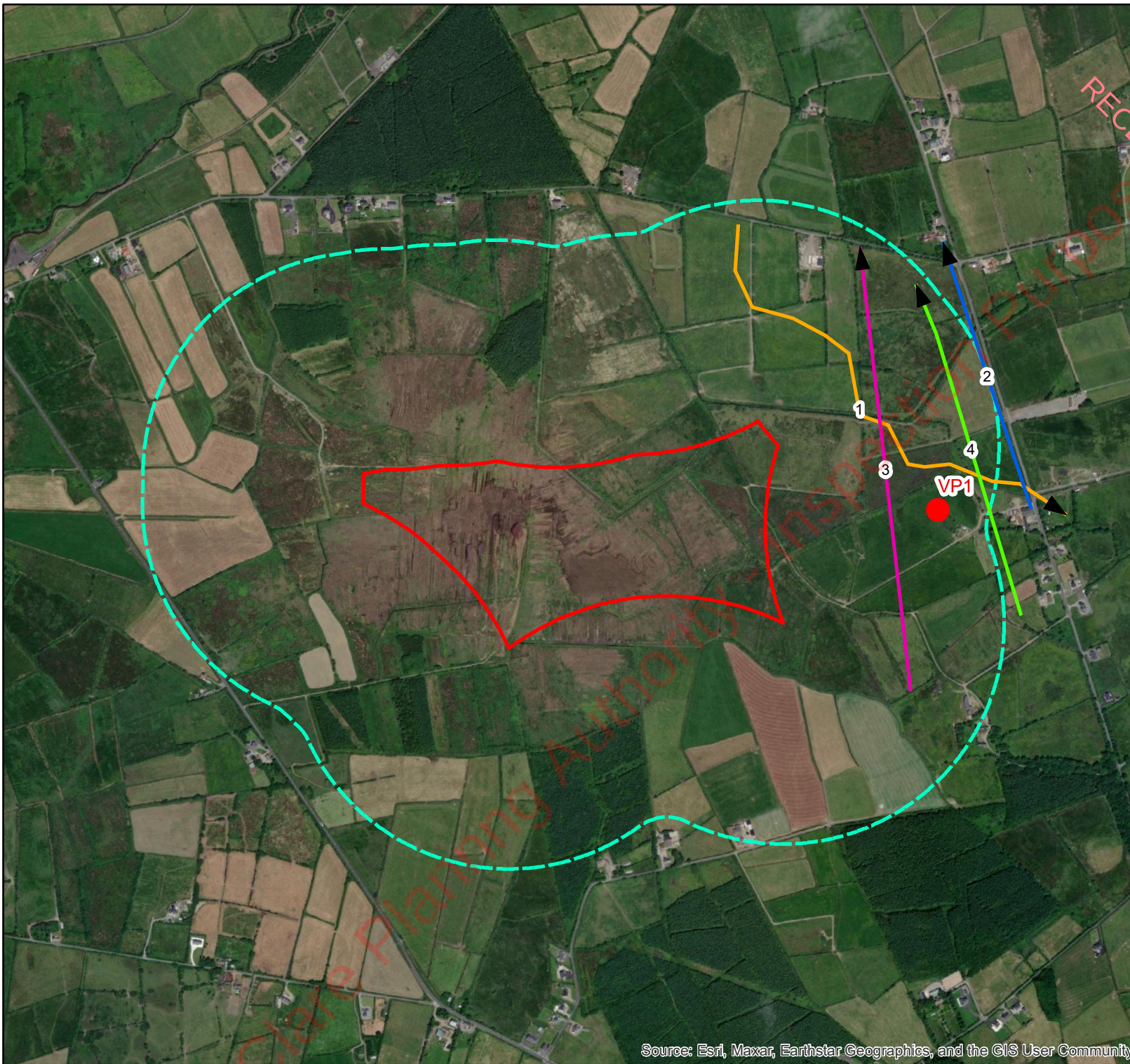
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Points
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 10/05/2022
- 2, 01/06/2022
- 3, 06/07/2022
- 4, 07/07/2022

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2022
Map 5-1 Lesser Black-backed Gull

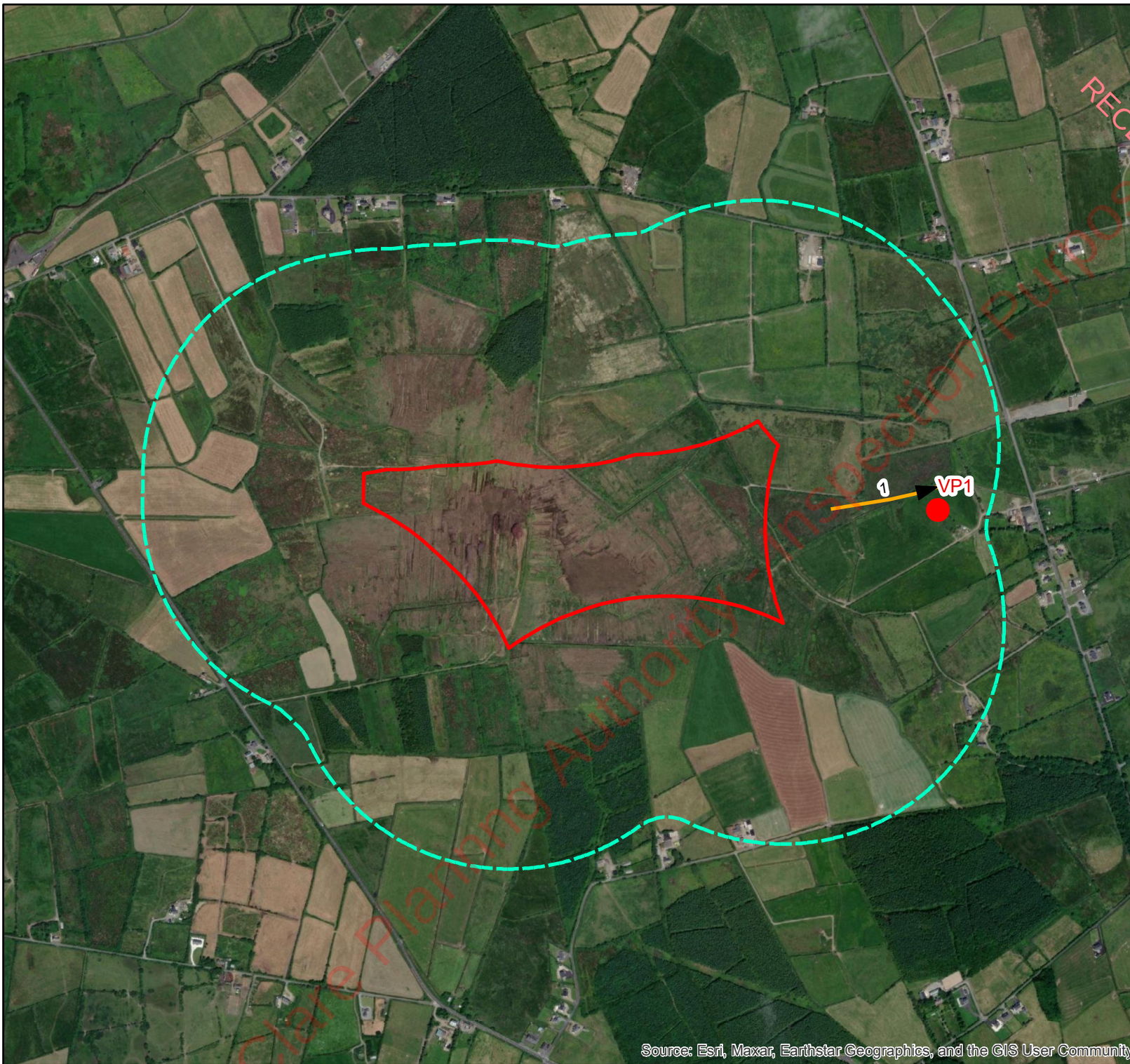
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,000

MWP



Legend

-  Vantage Points
-  Development Area
-  500m Survey Area Buffer

Flight Path

 1, 01/06/2022

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CYAL50261645.

0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2022
Map 6-1 Mallard

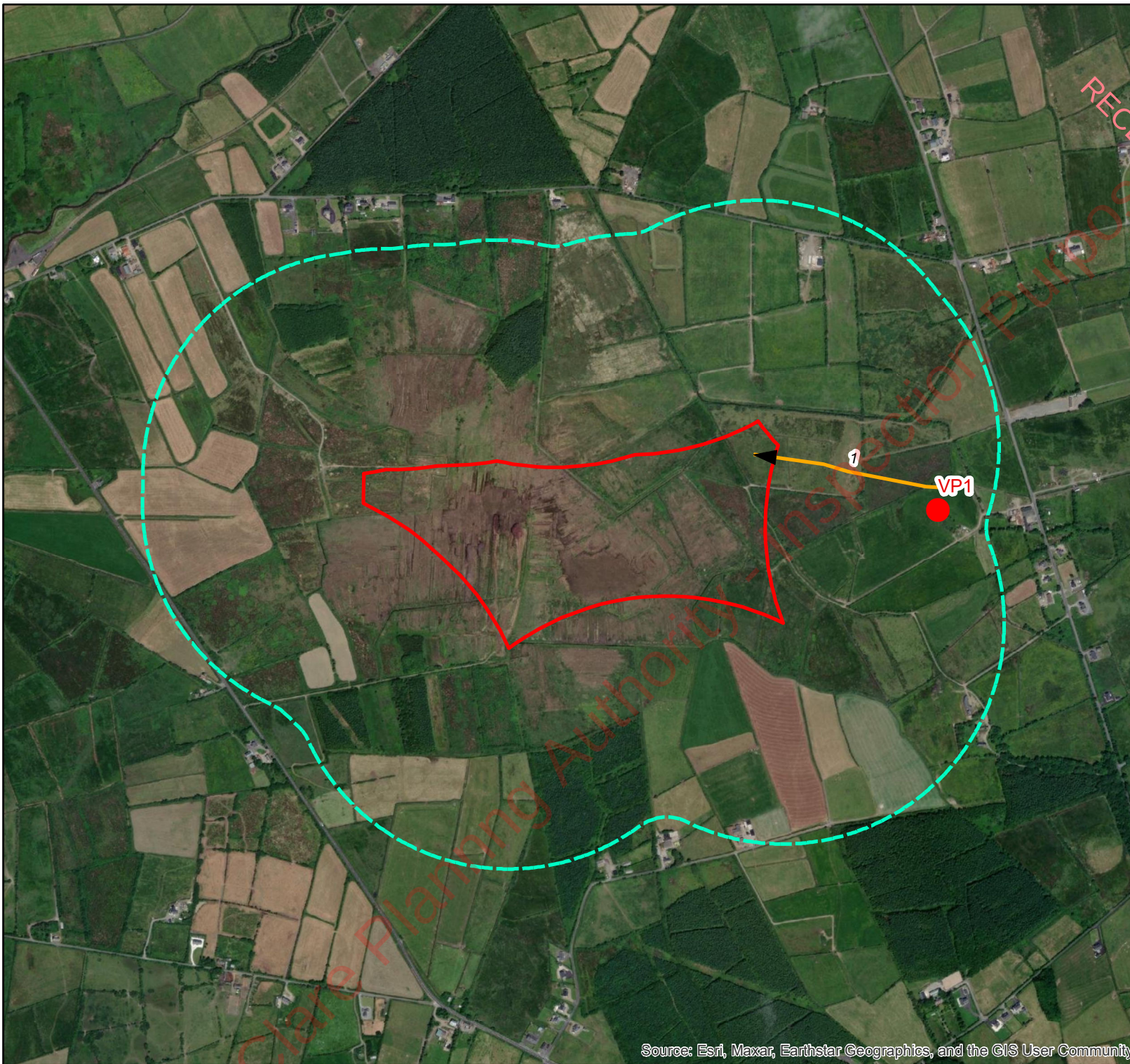
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Points
- Development Area
- 500m Survey Area Buffer

Flight Path

➤ 1, 06/07/2022

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CYAL50261645.

0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Summer 2022
Map 7-1 Sparrowhawk

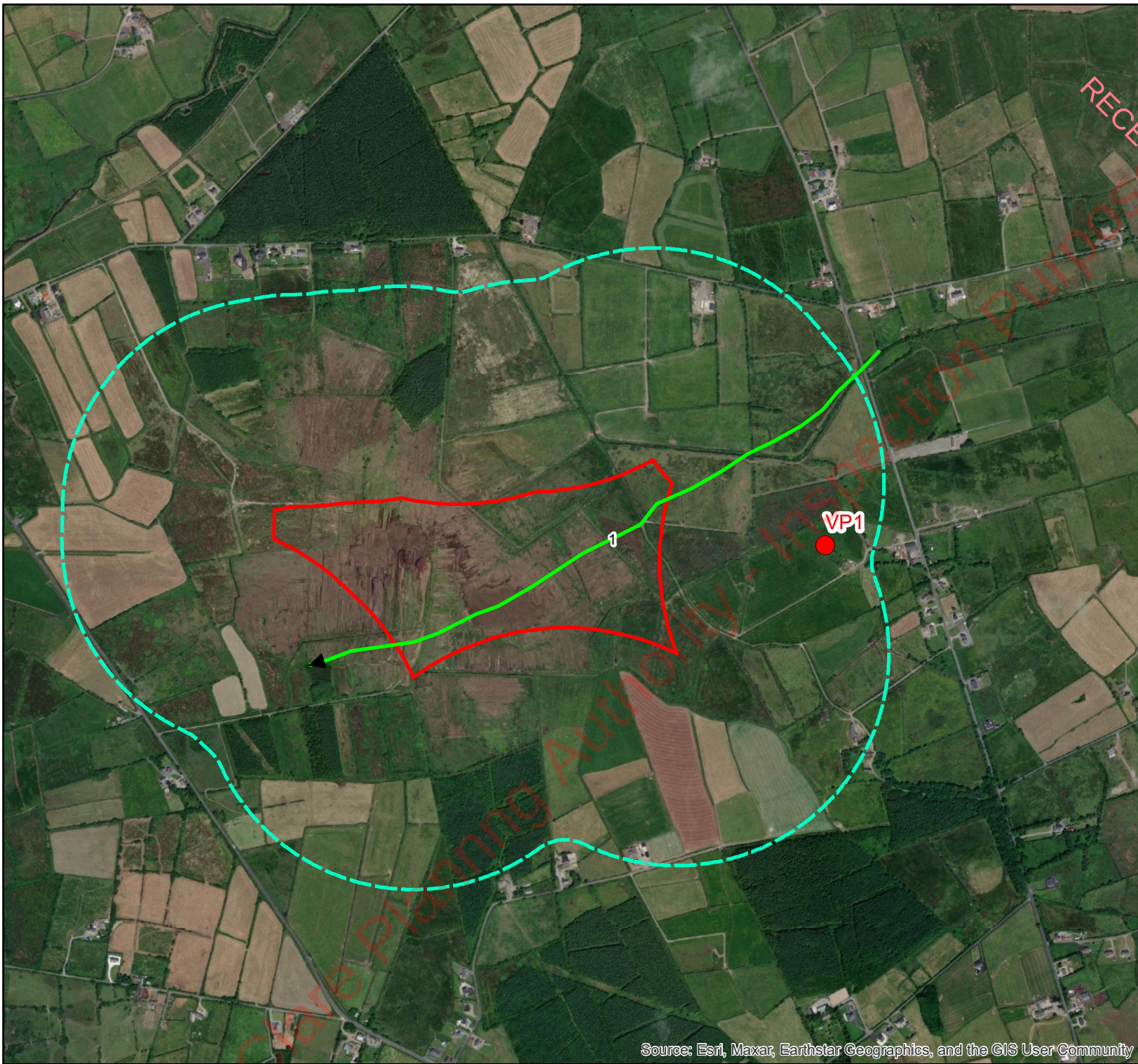
Drawn: AF

Checked: SK

Date: 25/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Points
- Development Area
- 500m Site Buffer

Flight Path

➔ 1.02/02/2021

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CYAL50261645.

0 0.225 0.45
km



Project Title:
21785 - Moanmore WF Bird Surveys

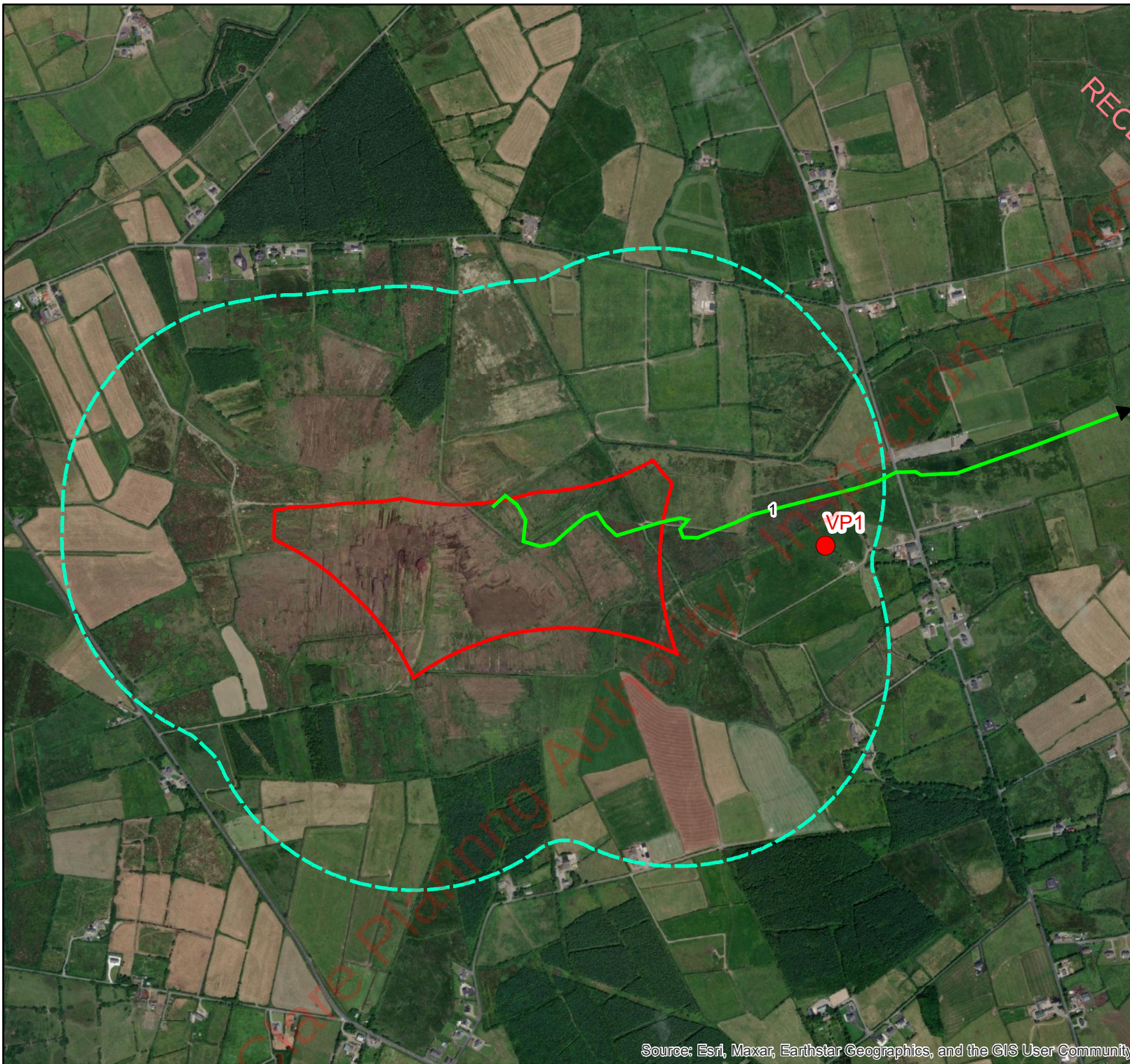
Client: Greensource

Drawing Title:
Bird Survey Winter 2020-2021
Map 1-1 Grey Heron

Drawn: VH Checked: SK

Date: 26/04/2023 Scale (A4): 1:12,500

MWP



Legend

- Vantage Points
- Development Area
- 500m Site Buffer

Flight Path

➤ 1: 03/03/2021

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CYAL50261645.

0 0.225 0.45
km



Project Title:
21785 - Moanmore WF Bird Surveys

Client: Greensource

Drawing Title:
Bird Survey Winter 2020-2021
Map 2-1 Hen Harrier

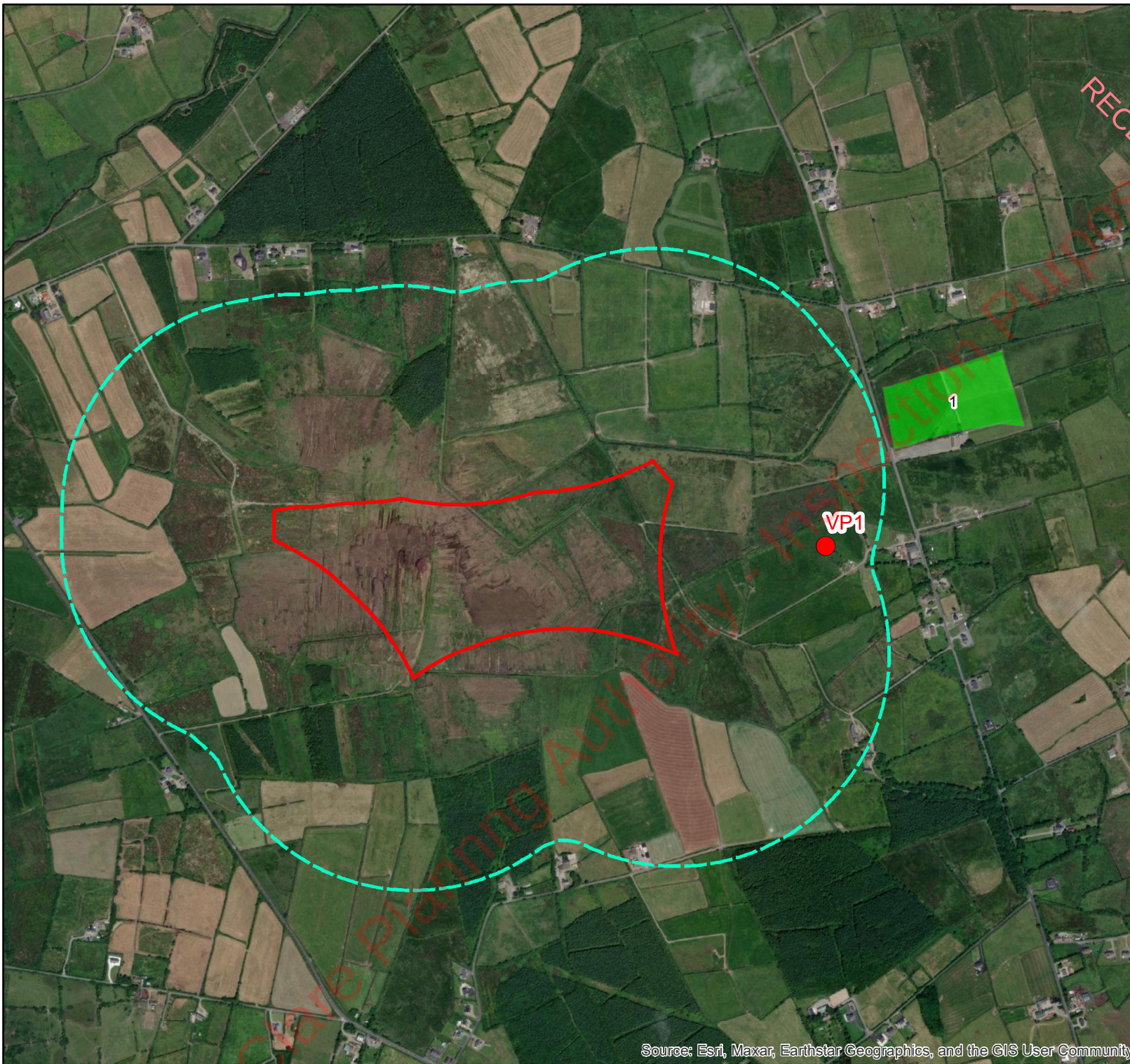
Drawn: VH

Checked: SK

Date: 26/04/2023

Scale (A4): 1:12,500

MWP



Legend

- Vantage Points
- Development Area
- 500m Site Buffer

Activity

1: 12/10/2020

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0 0.225 0.45
 km



Project Title:
21785 - Moanmore WF Bird Surveys

Client: Greensource

Drawing Title:
Bird Survey Winter 2020-2021
Map 3-1 Herring Gull

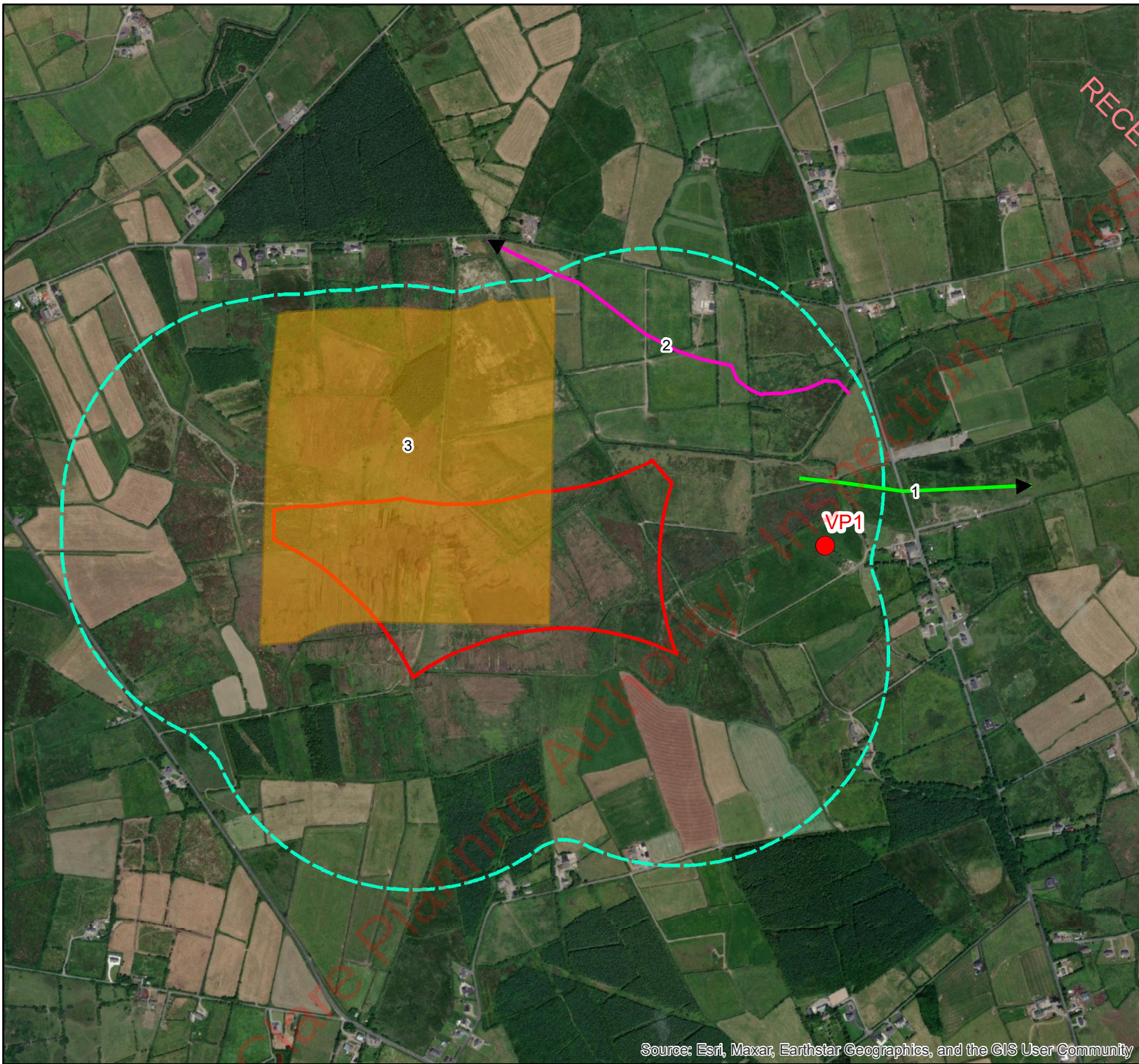
Drawn: VH

Checked: SK

Date: 26/04/2023

Scale (A4): 1:12,500

MWP



Legend

- Vantage Points
- Development Area
- 500m Site Buffer

Flight Path

- 1, 13/10/2020
- 2, 03/11/2020

Activity

- 3, 01/03/2021

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CYAL50261645.

0 0.225 0.45
km



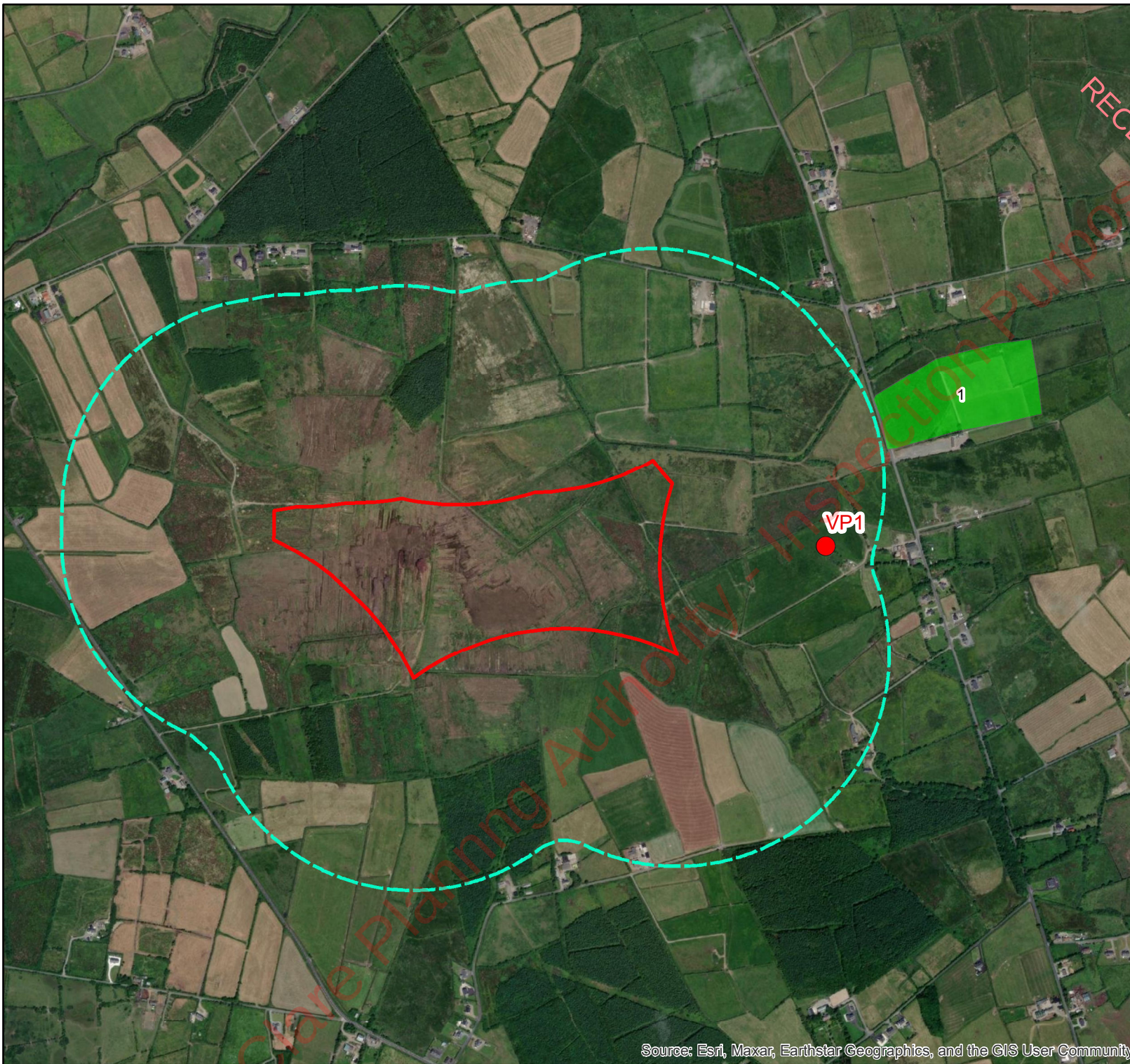
Project Title:
21785 - Moanmore WF Bird Surveys

Client: Greensource

Drawing Title:
Bird Survey Winter 2020-2021
Map 4-1 Kestrel

Drawn: VH	Checked: SK
Date: 26/04/2023	Scale (A4): 1:12,500

MWP



Legend

- Vantage Points
- Development Area
- 500m Site Buffer

Activity

1: 04/01/2021

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CYAL50261645.

0 0.225 0.45
km



Project Title:
21785 - Moanmore WF Bird Surveys

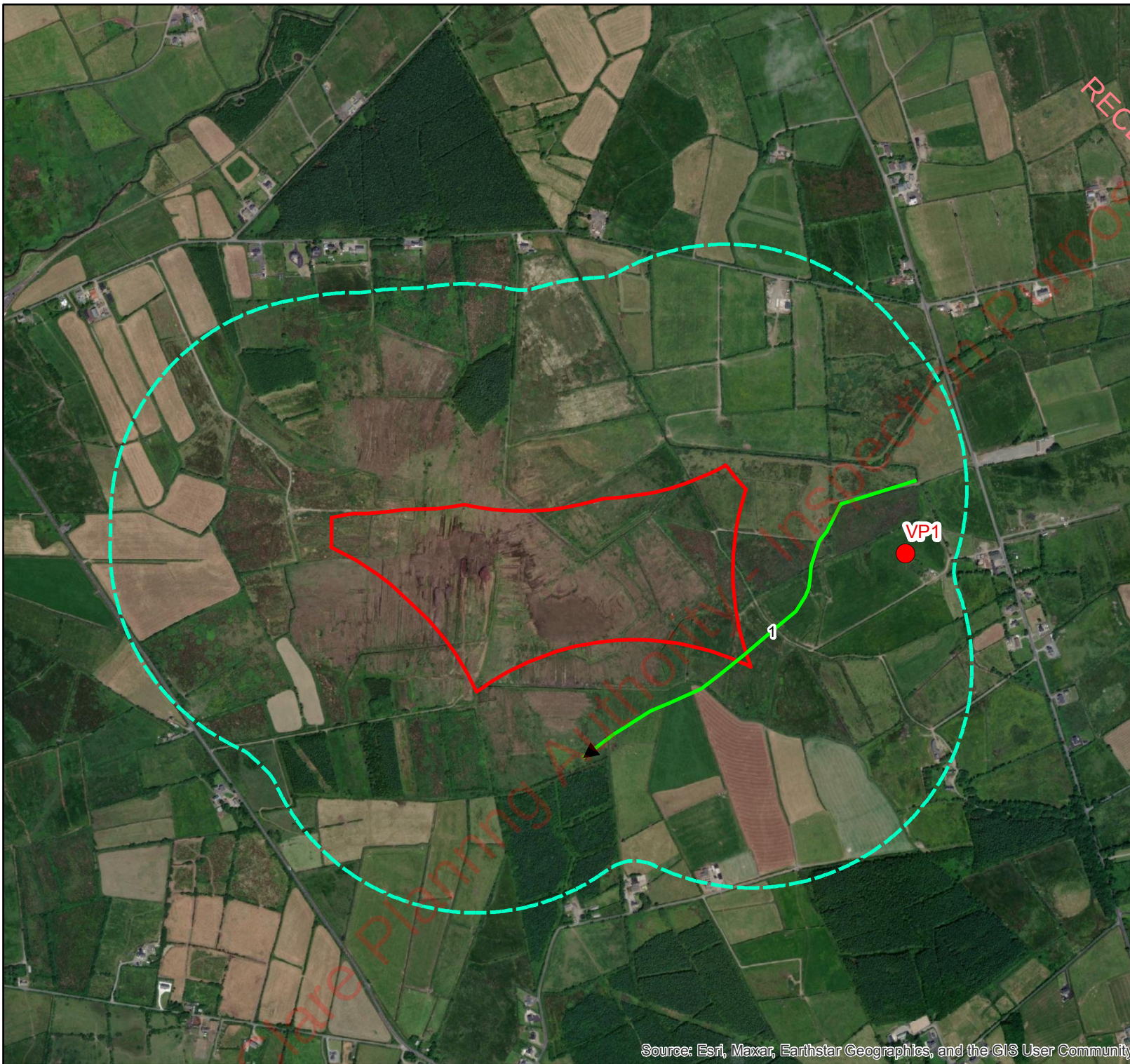
Client: Greensource

Drawing Title:
Bird Survey Winter 2020-2021
Map 5-1 Lapwing

Drawn: VH Checked: SK

Date: 26/04/2023 Scale (A4): 1:12,500

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area Buffer

Flight Path

▶ 1. 04/02/2022

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Winter 2021-2022
Map 1-1 Grey Heron

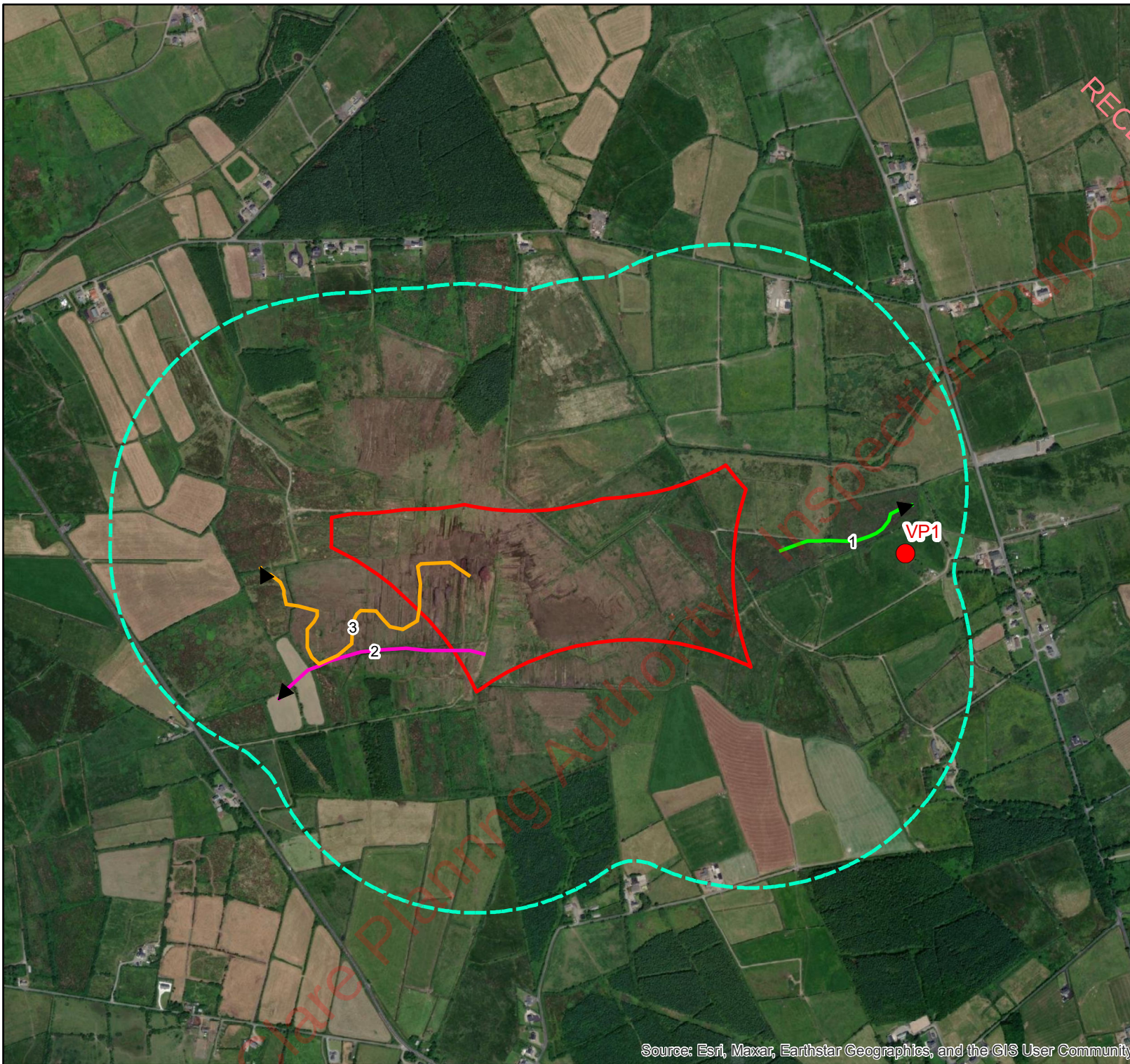
Drawn: AF

Checked: SK

Date: 26/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area Buffer

Flight Path

- 1, 02/11/2021
- 2, 10/01/2022
- 3, 11/01/2022

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Winter 2021-2022
Map 2-1 Hen Harrier

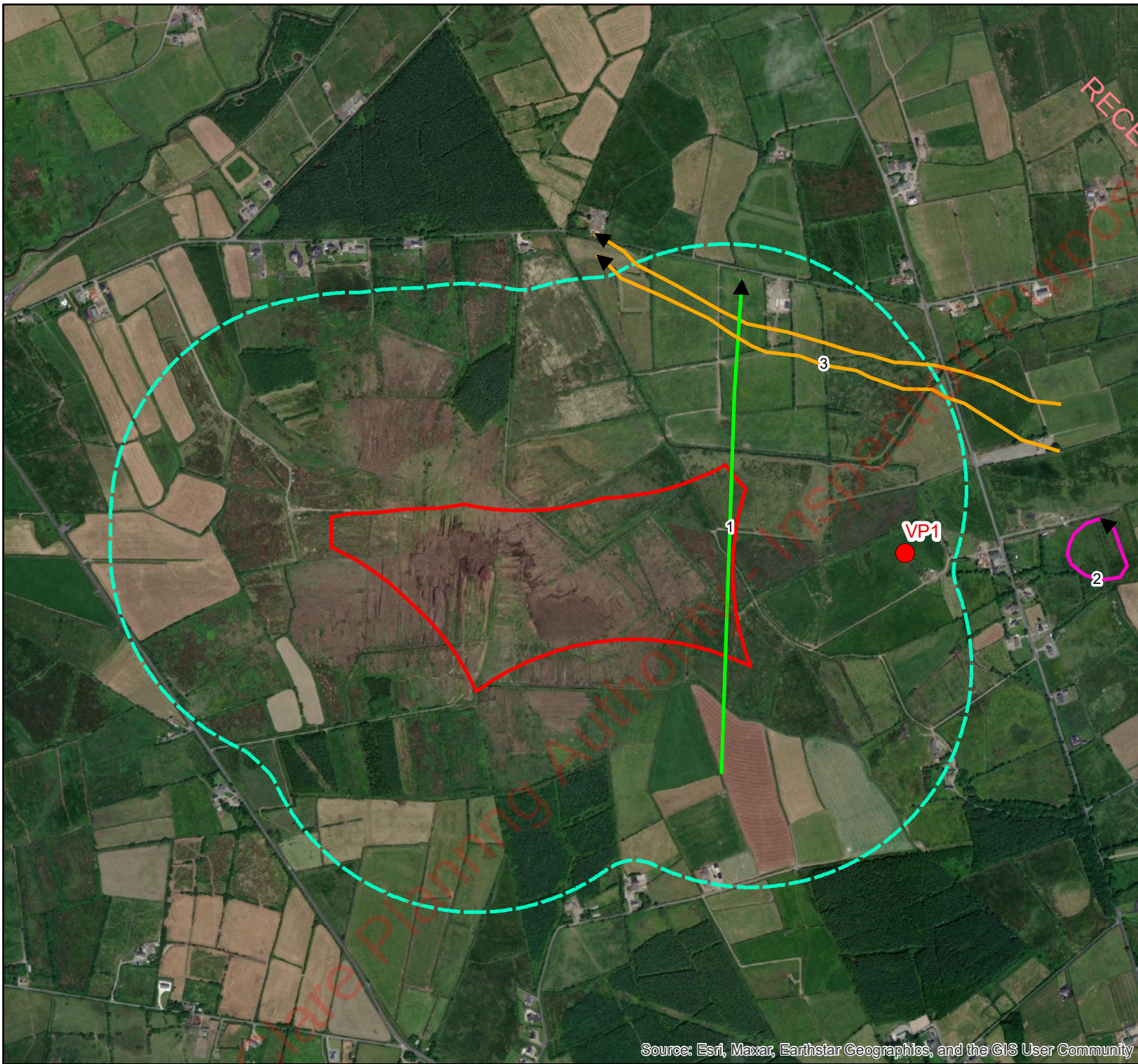
Drawn: AF

Checked: SK

Date: 26/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Point
- ▭ Development Area
- - - 500m Survey Area Buffer

Flight Path

- 1, 02/11/2021
- 2, 10/01/2022
- 3, 11/01/2022

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CYAL50261645.

0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Winter 2021-2022
Map 3-1 Herring Gull

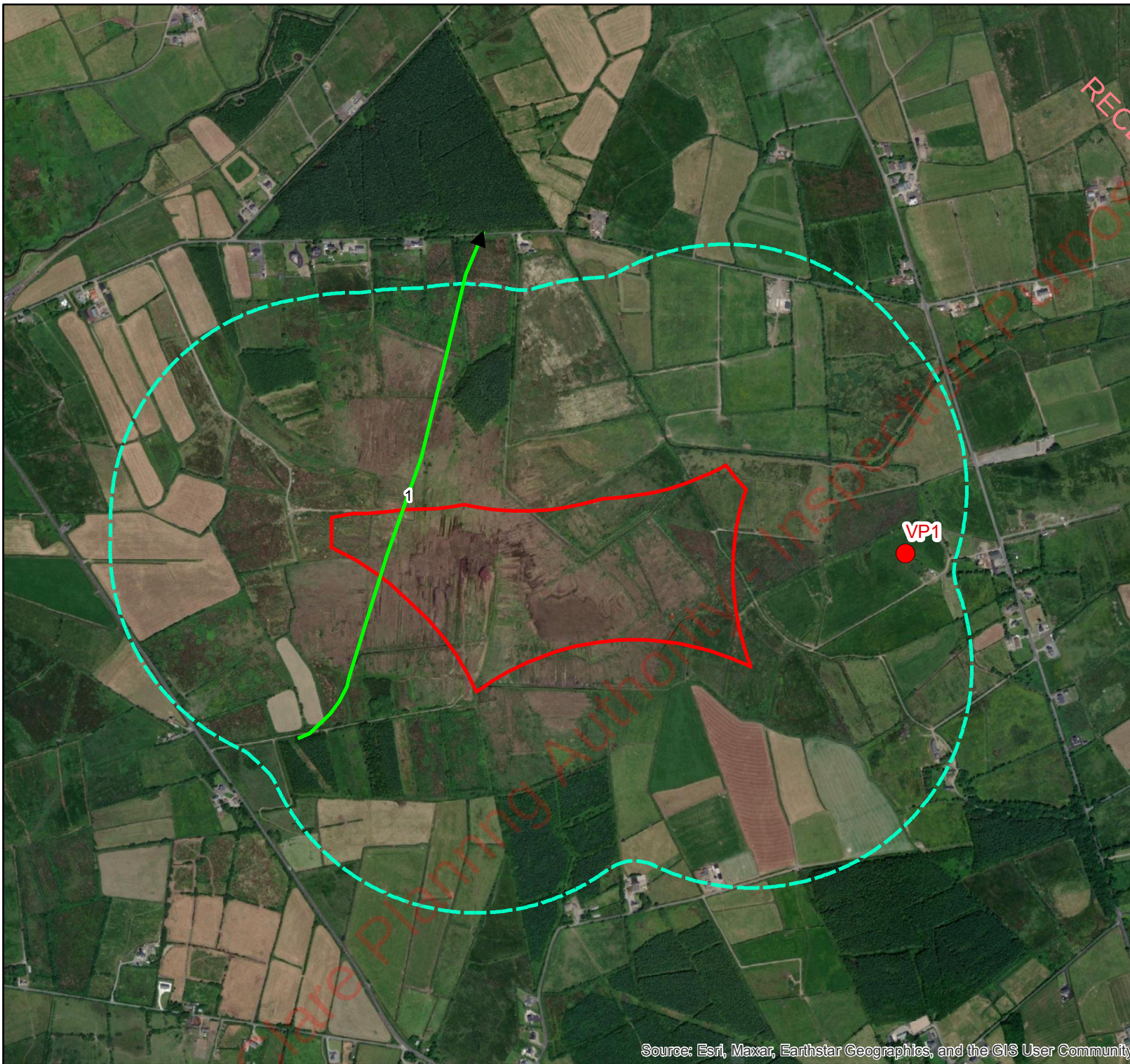
Drawn: AF

Checked: SK

Date: 26/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area
- Flight Path
- 1, 02/11/2021

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CYAL50261645.

0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Winter 2021-2022
Map 4-1 Kestrel

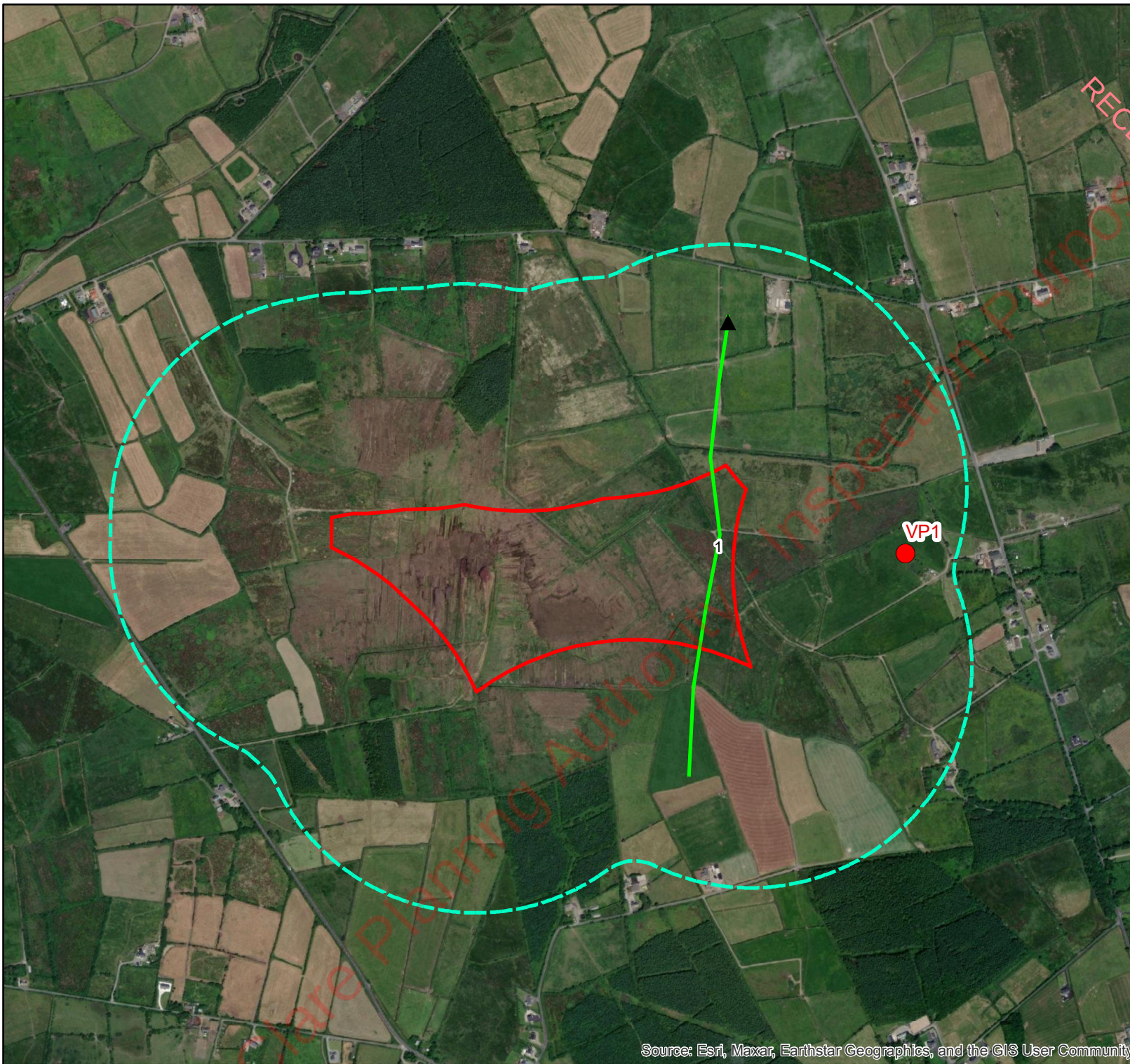
Drawn: AF

Checked: SK

Date: 26/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Point
- Development Area
- 500m Survey Area
- Flight Path
- ➔ 1, 02/11/2021

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CYAL50261645.

0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Winter 2021-2022
Map 5-1 Lesser Black-backed Gull

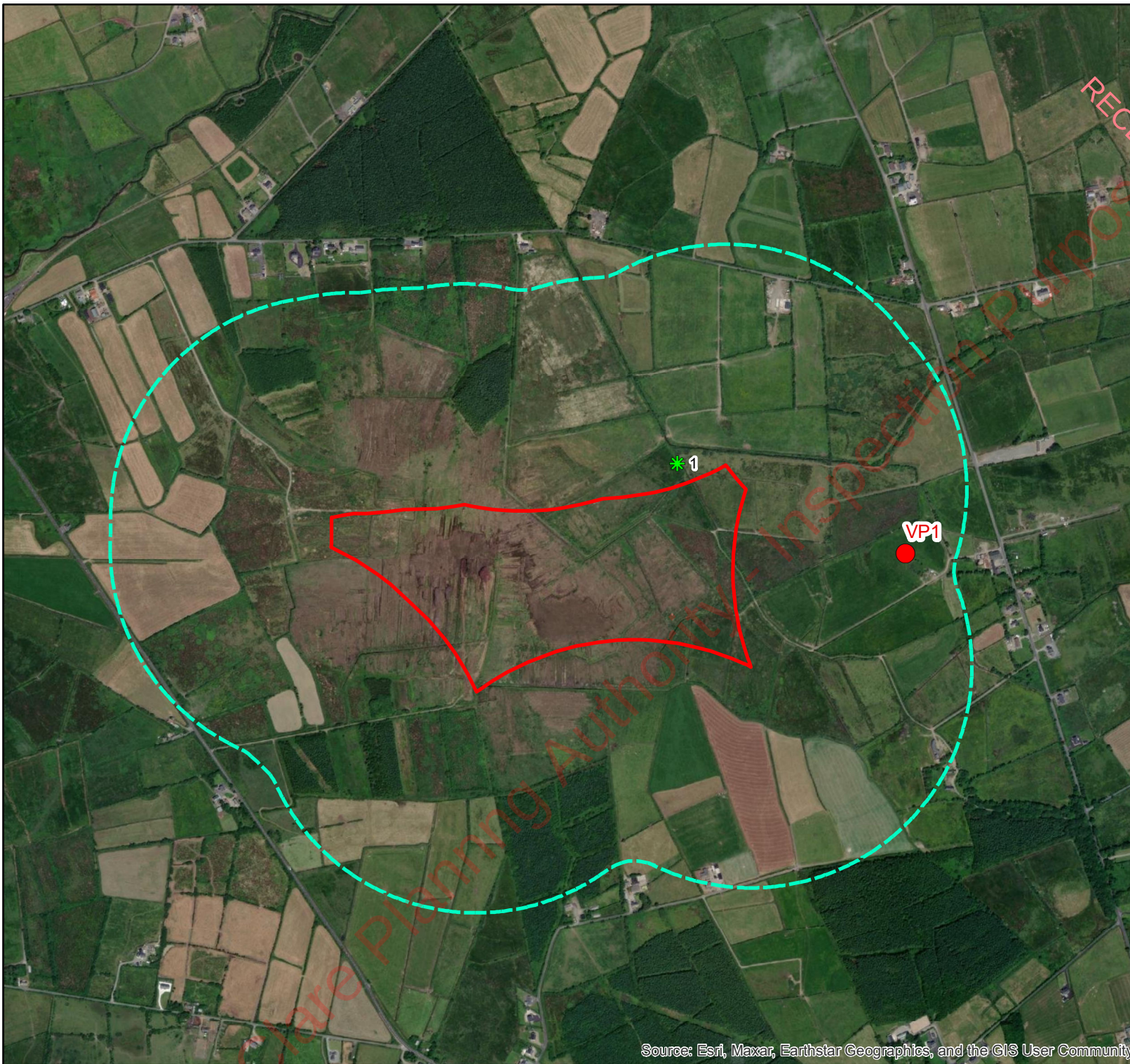
Drawn: AF

Checked: SK

Date: 26/04/2023

Scale (A4): 1:12,000

MWP



Legend

- Vantage Point
- ▭ Development Area
- - - 500m Survey Area Buffer

In Pond

✱ 1, 04/03/2022

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0 0.2 0.4
km



Project Title:
21785 - Moanmore

Client: Greensource

Drawing Title:
Bird Survey Winter 2021-2022
Map 6-1 Mallard

Drawn: AF

Checked: SK

Date: 26/04/2023

Scale (A4): 1:12,000

MWP

Non-Target species peak counts at Moanmore for Winter 2020 2021 survey season

Winter 2020- 2021							
Common Name	Scientific Name	Oct	Nov	Dec	Jan	Feb	Mar
Blackbird	<i>Turdus merula</i>	11	11	30	12	10	12
Blue Tit	<i>Parus caeruleus</i>	0	2	6	8	5	4
Bullfinch	<i>Pyrrhula pyrrhula</i>	0	0	0	4	0	0
Chaffinch	<i>Fringilla coelebs</i>	15	13	19	11	8	9
Coal Tit	<i>Periparus ater</i>	0	0	0	2	0	0
Dunnock	<i>Prunella modularis</i>	3	2	6	3	5	4
Fieldfare	<i>Turdus pilaris</i>	0	57	48	49	22	7
Goldcrest	<i>Regulus regulus</i>	0	0	1	0	0	0
Goldfinch	<i>Carduelis carduelis</i>	0	0	8	6	0	2
Great Tit	<i>Parus major</i>	2	2	2	4	2	1
Grey Wagtail	<i>Motacilla cinerea</i>	2	2	0	0	0	0
Hooded Crow	<i>Corvus cornix</i>	7	10	8	11	6	6
Jackdaw	<i>Corvus monedula</i>	24	42	12	29	24	21
Linnet	<i>Carduelis cannabina</i>	18	0	0	5	6	0
Long-tailed Tit	<i>Aegithalus caudatus</i>	0	0	8	0	0	0
Magpie	<i>Pica pica</i>	3	2	2	10	7	4
Meadow Pipit	<i>Anthus pratensis</i>	33	29	36	14	14	9
Mistle Thrush	<i>Turdus viscivorus</i>	3	3	4	4	2	2
Pheasant	<i>Phasianus colchicus</i>	1	0	0	0	0	0
Pied Wagtail	<i>Motacilla alba</i>	0	4	8	7	6	3
Raven	<i>Corvus corax</i>	4	8	2	2	0	2
Redpoll	<i>Carduelis flammea cabaret</i>	2	0	2	0	0	0
Redwing	<i>Turdus iliacus</i>	0	42	97	120	50	7
Reed Bunting	<i>Emberiza shoenichus</i>	2	0	3	0	0	2
Robin	<i>Erithacus rubecula</i>	10	2	10	3	5	9
Rook	<i>Corvus frugilegus</i>	65	58	91	116	55	44
Siskin	<i>Carduelis spinus</i>	0	0	0	0	0	2
Skylark	<i>Alauda arvensis</i>	0	0	0	0	0	2
Song Thrush	<i>Turdus philomelos</i>	2	0	5	0	8	2
Starling	<i>Sturnus vulgaris</i>	70	120	305	237	107	8
Stonechat	<i>Saxicola torquatus</i>	8	7	6	2	4	5
Woodpigeon	<i>Columba palumbus</i>	6	0	10	5	4	6
Wren	<i>Troglodytes troglodytes</i>	2	4	6	4	4	5

Summer 2021							
Common Name	Scientific Name	Apr	May	Jun	Jul	Aug	Sept
Blackbird	<i>Turdus merula</i>	7	10	14	7	6	7
Blackcap	<i>Sylvia atricapilla</i>	0	0	1	0	0	0
Blue Tit	<i>Parus caeruleus</i>	2	2	2	2	3	5
Bullfinch	<i>Pyrrhula pyrrhula</i>	0	0	2	0	0	2
Chaffinch	<i>Fringilla coelebs</i>	3	6	5	3	7	7

Chiffchaff	<i>Phylloscopus collybita</i>	0	0	1	0	0	0
Collared Dove	<i>Streptopelia decaocto</i>	0	1	0	0	0	0
Cuckoo	<i>Cuculus canorus</i>	0	1	1	0	0	0
Dunnock	<i>Prunella modularis</i>	4	5	3	0	4	2
Goldcrest	<i>Regulus regulus</i>	0	1	1	0	0	0
Goldfinch	<i>Carduelis carduelis</i>	2	3	3	3	0	36
Great Tit	<i>Parus major</i>	0	0	3	0	3	2
Greenfinch	<i>Carduelis chloris</i>	0	0	0	0	0	1
Hooded Crow	<i>Corvus cornix</i>	2	2	4	2	3	4
House Martin	<i>Delichon urbicum</i>	0	3	0	6	0	5
Jackdaw	<i>Corvus monedula</i>	6	10	31	43	0	4
Linnet	<i>Carduelis cannabina</i>	18	2	2	5	12	15
Magpie	<i>Pica pica</i>	2	2	2	5	4	3
Meadow Pipit	<i>Anthus pratensis</i>	11	12	10	11	6	7
Mistle Thrush	<i>Turdus viscivorus</i>	0	2	3	3	0	0
Pheasant	<i>Phasianus colchicus</i>	2	2	2	1	1	0
Pied Wagtail	<i>Motacilla alba</i>	2	2	3	2	3	4
Raven	<i>Corvus corax</i>	2	2	1	1	2	2
Redpoll	<i>Carduelis flammea cabaret</i>	0	0	0	6	0	0
Reed Bunting	<i>Emberiza shoenichus</i>	0	0	2	2	1	1
Robin	<i>Erithacus rubecula</i>	5	5	6	2	4	5
Rook	<i>Corvus frugilegus</i>	16	46	65	17	0	31
Siskin	<i>Carduelis spinus</i>	2	2	0	2	4	0
Skylark	<i>Alauda arvensis</i>	3	1	3	2	0	0
Song Thrush	<i>Turdus philomelos</i>	2	5	6	2	0	1
Starling	<i>Sturnus vulgaris</i>	4	7	37	7	0	11
Stonechat	<i>Saxicola torquatus</i>	2	2	3	5	5	4
Swallow	<i>Hirundo rustica</i>	1	15	10	7	12	25
Swift	<i>Apus apus</i>	0	1	2	2	0	0
Whitethroat	<i>Sylvia communis</i>	0	0	2	0	0	0
Willow Warbler	<i>Phylloscopus trochilus</i>	1	9	6	2	4	1
Woodpigeon	<i>Columba palumbus</i>	10	9	6	3	3	13
Wren	<i>Troglodytes troglodytes</i>	4	5	4	5	4	4

Winter 2021-2022							
Common Name	Scientific Name	Oct	Nov	Dec	Jan	Feb	Mar
Blackbird	<i>Turdus merula</i>	4	5	9	6	12	8
Blue Tit	<i>Parus caeruleus</i>	3	0	2	0	2	2
Bullfinch	<i>Pyrrhula pyrrhula</i>	0	0	0	0	0	2
Chaffinch	<i>Fringilla coelebs</i>	8	7	10	7	10	12
Coal Tit	<i>Parus ater</i>	0	0	2	0	0	0
Dunnock	<i>Prunella modularis</i>	4	2	3	3	3	3
Fieldfare	<i>Turdus pilaris</i>	0	0	12	48	60	7
Goldfinch	<i>Carduelis carduelis</i>	6	7	8	0	4	4
Great Tit	<i>Parus major</i>	2	0	0	2	0	0

Greenfinch	<i>Carduelis chloris</i>	0	4	0	4	0	2
Grey Wagtail	<i>Motacilla cinerea</i>	1	0	0	0	0	0
Hooded Crow	<i>Corvus cornix</i>	4	4	6	8	8	4
Jackdaw	<i>Corvus monedula</i>	7	14	47	0	36	18
Jay	<i>Garrulus glandarius</i>	0	0	0	0	2	0
Linnet	<i>Carduelis cannabina</i>	12	0	0	0	8	0
Magpie	<i>Pica pica</i>	3	3	2	3	2	4
Meadow Pipit	<i>Anthus pratensis</i>	9	12	12	32	24	12
Mistle Thrush	<i>Turdus viscivorus</i>	12	0	2	2	0	0
Pheasant	<i>Phasianus colchicus</i>	1	1	0	0	1	0
Pied Wagtail	<i>Motacilla alba</i>	3	2	2	3	4	2
Raven	<i>Corvus corax</i>	2	0	2	3	2	0
Redpoll	<i>Carduelis flammea cabaret</i>	0	0	0	0	2	2
Redwing	<i>Turdus iliacus</i>	0	0	15	130	26	80
Reed Bunting	<i>Emberzia shoenichus</i>	0	2	2	4	2	2
Robin	<i>Erithacus rubecula</i>	4	2	4	5	4	5
Rook	<i>Corvus frugilegus</i>	27	26	80	50	38	38
Roseate tern	<i>Sterna dougallii</i>	0	0	0	19	0	0
Skylark	<i>Alauda arvensis</i>	1	0	0	0	0	6
Song Thrush	<i>Turdus philomelos</i>	2	2	2	3	4	4
Starling	<i>Sturnus vulgaris</i>	41	40	63	60	72	36
Stonechat	<i>Saxicola torquatus</i>	3	4	2	4	2	2
Woodpigeon	<i>Columba palumbus</i>	4	7	1	3	5	6
Wren	<i>Troglodytes troglodytes</i>	2	3	3	5	5	3

Summer 2022						
Common Name	Scientific Name	April	May	June	July	Aug
Blackbird	<i>Turdus merula</i>	6	8	14	11	8
Blackcap	<i>Sylvia atricapilla</i>	0	0	1	1	0
Blue Tit	<i>Parus caeruleus</i>	2	5	0	0	0
Bullfinch	<i>Pyrrhula pyrrhula</i>	2	0	0	2	0
Chaffinch	<i>Fringilla coelebs</i>	4	4	4	4	15
Cuckoo	<i>Cuculus canorus</i>	0	0	1	0	0
Dunnock	<i>Prunella modularis</i>	2	3	3	3	2
Goldfinch	<i>Carduelis carduelis</i>	6	5	4	6	6
Great Tit	<i>Parus major</i>	2	0	0	2	4
Hooded Crow	<i>Corvus cornix</i>	4	4	4	4	4
House Martin	<i>Delichon urbicum</i>	0	5	4	4	6
Jackdaw	<i>Corvus monedula</i>	4	8	4	7	7
Linnet	<i>Carduelis cannabina</i>	0	5	8	6	7
Magpie	<i>Pica pica</i>	3	0	7	2	6
Meadow Pipit	<i>Anthus pratensis</i>	7	12	12	8	19
Mistle Thrush	<i>Turdus viscivorus</i>	2	0	0	0	4
Pheasant	<i>Phasianus colchicus</i>	1	1	2	1	0
Pied flycatcher	<i>Ficedula hypoleuca</i>	0	0	2	0	0
Pied Wagtail	<i>Motacilla alba</i>	2	3	5	2	2
Raven	<i>Corvus corax</i>	1	0	2	2	4
Redpoll	<i>Carduelis flammea cabaret</i>	0	2	2	2	2
Reed Bunting	<i>Emberzia shoenichus</i>	2	4	2	2	3
Robin	<i>Erithacus rubecula</i>	5	2	4	5	4

Rook	<i>Corvus frugilegus</i>	10	24	47	50	12
Sand Martin	<i>Riparia riparia</i>	0	0	0	0	3
Siskin	<i>Carduelis spinus</i>	0	1	0	0	2
Skylark	<i>Alauda arvensis</i>	2	2	2	2	0
Song Thrush	<i>Turdus philomelos</i>	3	2	6	3	0
Starling	<i>Sturnus vulgaris</i>	0	26	35	15	45
Stonechat	<i>Saxicola torquatus</i>	2	4	5	2	3
Swallow	<i>Hirundo rustica</i>	2	14	10	5	25
Swift	<i>Apus apus</i>	0	7	0	2	10
Willow Warbler	<i>Phylloscopus trochilus</i>	0	4	7	4	3
Woodpigeon	<i>Columba palumbus</i>	4	10	3	6	5
Wren	<i>Troglodytes troglodytes</i>	6	5	4	4	2

Clare Planning Authority - Inspection Purposes Only!

RECEIVED: 09/05/2025

Moanmore

Shore count Survey Summary

Summer-2021

Date	Month	Observer	Start Time	Finish Time	Weather	Visibility
01/09/2021	September	JM	11:45	-	A dull, dry, cool morning with East/North-easterly winds F2-4. Temperature 13-18°C	Good

Winter 2021-2022

Date	Month	Observer	Start Time	Finish Time	Weather	Visibility
08/11/2021	November	JM	12:30	13:00	A fine dry, sunny day, south-westerly winds, wind F2-5, temp 12-15oC.	Good
03/11/2021	November	JM	10:32	10:38	A cold dry morning, with some sunshine, northerly winds, wind F2-4, temp 5-11oc.	Good.

Moanmore

MWP

Shore count Survey Results

Shorecount	Survey Date	01/09/2021	03/11/2021	08/11/2021
	Survey Area	Moyasta Creek	Tullabrack Lough	Moyasta Creek
Common Name	Scientific Name			
Black-headed Gull	<i>Larus ridibundus</i>	60	-	34
Cormorant	<i>Phalacrocorax carbo</i>	2	-	-
Curlew	<i>Numenius arquata</i>	52	-	74
Dunlin	<i>Calidris alpina</i>	14	-	12
Golden Plover	<i>pluvialis apricaria</i>	-	-	10
Greenshank	<i>Tringa nebularia</i>	15	-	12
Grey Heron	<i>Ardea cinerea</i>	3	-	2
Herring Gull	<i>Larus argentatus</i>	5	-	1
Kingfisher	<i>Alcedo atthis</i>	1	-	-
Lapwing	<i>Vanellus vanellus</i>	-	-	43
Lesser Black-backed Gull	<i>Larus fuscus</i>	3	-	1
Little Egret	<i>Egretta garzetta</i>	16	2	14
Mallard	<i>Anas platyrhynchos</i>	44	14	58
Moorhen	<i>Gallinula chloropus</i>	-	5	-
Mute Swan	<i>Cygnus olor</i>	-	2	-
Pintail	<i>Anas acuta</i>	-	-	14
Redshank	<i>Tringa totanus</i>	60	-	210
Snipe	<i>Gallinago galinago</i>	10	-	70
Teal	<i>Anas crecca</i>	80	7	235
Tufted Duck	<i>Aythya fuligula</i>	-	11	-
Whooper Swan	<i>Cygnus cygnus</i>	-	6	-
Wigeon	<i>Anas penelope</i>	75	10	90

Moanmore

MWP

Hinterland Survey Summary

Date	Month	Observer	Start Time	Finish Time	Weather	Visibility
27/04/2021	April	JNM	08.30	17.30	A dry, warm, sunny morning with North-east/Northerly winds F2-4. Temperature 11-13°C.	Good

Date	Month	Observer	Start Time	Finish Time	Weather	Visibility
23/11/2021	November	JNM	09:30	17:30	A very cold, frosty day with dense fog early in the morning. Fog and mist lingering for most of the day along shoreline region.	good

Moanmore

MWP

Hinterland Survey Results

	Survey Date	27/04/2021	23/11/2021
Common Name	Scientific Name		
Buzzard	<i>Buteo buteo</i>	1	1
Cormorant	<i>Phalacrocorax carbo</i>	1	-
Herring Gull	<i>Larus argentatus</i>	1	-
Jay	<i>Garrulus glandarius</i>	-	1
Kestrel	<i>Falco tinnunculus</i>	1	1
Lapwing	<i>Vanellus vanellus</i>	-	130
Lesser Black-backed Gull	<i>Larus fuscus</i>	16	-
Little Grebe	<i>Tachybaptus ruficollis</i>	2	-
Mallard	<i>Anas platyrhynchos</i>	4	-
Moorhen	<i>Gallinula chloropus</i>	2	-
Oystercatcher	<i>Haematopus ostralegus</i>	-	10
Peregrine	<i>Falco peregrinus</i>	-	1
Sparrowhawk	<i>Accipiter nisus</i>	1	-
Tufted Duck	<i>Aythya fuligula</i>	4	-
Whimbrel	<i>Numenius phaeopus</i>	62	-

The following tables outline all species recorded during the bird survey at the Moanmore site.

Winter -2020 2021							
Common Name	Scientific Name	Oct	Nov	Dec	Jan	Feb	Mar
Blackbird	<i>Turdus merula</i>						
Blue Tit	<i>Parus caeruleus</i>						
Bullfinch	<i>Pyrrhula pyrrhula</i>						
Chaffinch	<i>Fringilla coelebs</i>						
Coal Tit	<i>Periparus ater</i>						
Dunnock	<i>Prunella modularis</i>						
Fieldfare	<i>Turdus pilaris</i>						
Goldcrest	<i>Regulus regulus</i>						
Goldfinch	<i>Carduelis carduelis</i>						
Great Tit	<i>Parus major</i>						
Grey Heron	<i>Ardea cinerea</i>						
Grey Wagtail	<i>Motacilla cinerea</i>						
Herring Gull	<i>Larus argentatus</i>						
Hooded Crow	<i>Corvus cornix</i>						
Jackdaw	<i>Corvus monedula</i>						
Kestrel	<i>Falco tinnunculus</i>						
Lapwing	<i>Vanellus vanellus</i>						
Linnet	<i>Carduelis cannabina</i>						
Long-tailed Tit	<i>Aegithalus caudatus</i>						
Magpie	<i>Pica pica</i>						
Meadow Pipit	<i>Anthus pratensis</i>						
Mistle Thrush	<i>Turdus viscivorus</i>						
Pheasant	<i>Phasianus colchicus</i>						
Pied Wagtail	<i>Motacilla alba</i>						
Raven	<i>Corvus corax</i>						
Redpoll	<i>Carduelis flammea cabaret</i>						
Redwing	<i>Turdus iliacus</i>						
Reed Bunting	<i>Emberiza shoenichus</i>						
Robin	<i>Erithacus rubecula</i>						
Rook	<i>Corvus frugilegus</i>						
Siskin	<i>Carduelis spinus</i>						
Skylark	<i>Alauda arvensis</i>						
Song Thrush	<i>Turdus philomelos</i>						
Starling	<i>Sturnus vulgaris</i>						
Stonechat	<i>Saxicola torquatus</i>						
Woodpigeon	<i>Columba palumbus</i>						
Wren	<i>Troglodytes troglodytes</i>						

Summer -2021							
Common Name	Scientific Name	Apr	May	Jun	Jul	Aug	Sept
Blackbird	<i>Turdus merula</i>						
Blackcap	<i>Sylvia atricapilla</i>						

Blue Tit	<i>Parus caeruleus</i>						
Bullfinch	<i>Pyrrhula pyrrhula</i>						
Chaffinch	<i>Fringilla coelebs</i>						
Chiffchaff	<i>Phylloscopus collybita</i>						
Collared Dove	<i>Streptopelia decaocto</i>						
Cuckoo	<i>Cuculus canorus</i>						
Duncock	<i>Prunella modularis</i>						
Goldcrest	<i>Regulus regulus</i>						
Goldfinch	<i>Carduelis carduelis</i>						
Great Tit	<i>Parus major</i>						
Greenfinch	<i>Carduelis chloris</i>						
Grey Heron	<i>Ardea cinerea</i>						
Hen Harrier	<i>Circus cyaneus</i>						
Herring Gull	<i>Larus argentatus</i>						
Hooded Crow	<i>Corvus cornix</i>						
House Martin	<i>Delichon urbicum</i>						
Jackdaw	<i>Corvus monedula</i>						
Kestrel	<i>Falco tinnunculus</i>						
Lesser Black-backed Gull	<i>Larus fuscus</i>						
Linnet	<i>Carduelis cannabina</i>						
Little Egret	<i>Egretta garzetta</i>						
Magpie	<i>Pica pica</i>						
Meadow Pipit	<i>Anthus pratensis</i>						
Mistle Thrush	<i>Turdus viscivorus</i>						
Pheasant	<i>Phasianus colchicus</i>						
Pied Wagtail	<i>Motacilla alba</i>						
Raven	<i>Corvus corax</i>						
Redpoll	<i>Carduelis flammea cabaret</i>						
Reed Bunting	<i>Emberiza schoeniclus</i>						
Robin	<i>Erithacus rubecula</i>						
Rook	<i>Corvus frugilegus</i>						
Siskin	<i>Carduelis spinus</i>						
Skylark	<i>Alauda arvensis</i>						
Snipe	<i>Gallinago gallinago</i>						
Song Thrush	<i>Turdus philomelos</i>						
Sparrowhawk	<i>Accipiter nisus</i>						
Starling	<i>Sturnus vulgaris</i>						
Stonechat	<i>Saxicola torquatus</i>						
Swallow	<i>Hirundo rustica</i>						
Swift	<i>Apus apus</i>						
Whitethroat	<i>Sylvia communis</i>						
Willow Warbler	<i>Phylloscopus trochilus</i>						
Woodpigeon	<i>Columba palumbus</i>						
Wren	<i>Troglodytes troglodytes</i>						

Winter 2021-2022							
Common Name	Scientific Name	Oct	Nov	Dec	Jan	Feb	Mar
Blackbird	<i>Turdus merula</i>						
Black-headed Gull	<i>Larus ridibundus</i>						
Blue Tit	<i>Parus caeruleus</i>						
Chaffinch	<i>Fringilla coelebs</i>						
Coal Tit	<i>Parus ater</i>						
Dunnock	<i>Prunella modularis</i>						
Fieldfare	<i>Turdus pilaris</i>						
Goldfinch	<i>Carduelis carduelis</i>						
Great Tit	<i>Parus major</i>						
Greenfinch	<i>Carduelis chloris</i>						
Grey Heron	<i>Ardea cinerea</i>						
Hen Harrier	<i>Circus cyaneus</i>						
Herring Gull	<i>Larus argentatus</i>						
Hooded Crow	<i>Corvus cornix</i>						
Jackdaw	<i>Corvus monedula</i>						
Jay	<i>Garrulus glandarius</i>						
Kestrel	<i>Falco tinnunculus</i>						
Lesser Black-backed Gull	<i>Larus fuscus</i>						
Linnet	<i>Carduelis cannabina</i>						
Little Egret	<i>Egretta garzetta</i>						
Magpie	<i>Pica pica</i>						
Mallard	<i>Anas platyrhynchos</i>						
Meadow Pipit	<i>Anthus pratensis</i>						
Mistle Thrush	<i>Turdus viscivorus</i>						
Pheasant	<i>Phasianus colchicus</i>						
Pied Wagtail	<i>Motacilla alba</i>						
Raven	<i>Corvus corax</i>						
Redpoll	<i>Carduelis flammea cabaret</i>						
Redwing	<i>Turdus iliacus</i>						
Reed Bunting	<i>Emberiza shoenichus</i>						
Robin	<i>Erithacus rubecula</i>						
Rook	<i>Corvus frugilegus</i>						
Roseate tern	<i>Sterna dougallii</i>						
Skylark	<i>Alauda arvensis</i>						
Song Thrush	<i>Turdus philomelos</i>						
Starling	<i>Sturnus vulgaris</i>						
Stonechat	<i>Saxicola torquatus</i>						
Woodpigeon	<i>Columba palumbus</i>						
Wren	<i>Troglodytes troglodytes</i>						

Summer- 2022						
Common Name	Scientific Name	April	May	June	July	Aug
Blackbird	<i>Turdus merula</i>					
Blackcap	<i>Sylvia atricapilla</i>					
Blue Tit	<i>Parus caeruleus</i>					
Bullfinch	<i>Pyrrhula pyrrhula</i>					
Buzzard	<i>Buteo buteo</i>					
Chaffinch	<i>Fringilla coelebs</i>					
Cuckoo	<i>Cuculus canorus</i>					
Dunnock	<i>Prunella modularis</i>					
Goldfinch	<i>Carduelis carduelis</i>					
Great Tit	<i>Parus major</i>					
Grey Heron	<i>Ardea cinerea</i>					
Hen Harrier	<i>Circus cyaneus</i>					
Herring Gull	<i>Larus argentatus</i>					
Hooded Crow	<i>Corvus cornix</i>					
House Martin	<i>Delichon urbicum</i>					
Jackdaw	<i>Corvus monedula</i>					
Lesser Black-backed Gull	<i>Larus fuscus</i>					
Linnet	<i>Carduelis cannabina</i>					
Little Egret	<i>Egretta garzetta</i>					
Magpie	<i>Pica pica</i>					
Mallard	<i>Anas platyrhynchos</i>					
Meadow Pipit	<i>Anthus pratensis</i>					
Mistle Thrush	<i>Turdus viscivorus</i>					
Pheasant	<i>Phasianus colchicus</i>					
Pied flycatcher	<i>Ficedula hypoleuca</i>					
Pied Wagtail	<i>Motacilla alba</i>					
Raven	<i>Corvus corax</i>					
Redpoll	<i>Carduelis flammea cabaret</i>					
Reed Bunting	<i>Emberiza shoenichus</i>					
Robin	<i>Erithacus rubecula</i>					
Rook	<i>Corvus frugilegus</i>					
Sand Martin	<i>Riparia riparia</i>					
Siskin	<i>Carduelis spinus</i>					
Skylark	<i>Alauda arvensis</i>					
Song Thrush	<i>Turdus philomelos</i>					
Sparrowhawk	<i>Accipiter nisus</i>					
Starling	<i>Sturnus vulgaris</i>					
Stonechat	<i>Saxicola torquatus</i>					
Swallow	<i>Hirundo rustica</i>					
Swift	<i>Apus apus</i>					
Willow Warbler	<i>Phylloscopus trochilus</i>					
Woodpigeon	<i>Columba palumbus</i>					
Wren	<i>Troglodytes troglodytes</i>					