WARNFORD PARK - PHASE 1 - HIGH PRIORITY AREAS

NITRATE MITIGATION SCHEDULE - EVIDENCE OF HISTORIC LAND USE (APPENDIX 4)

Map Ref	Field Name	Current OS Grid Ref	Current NG ref	Gross Ha	Eligible Ha	History Land Use (Extracts taken from the Single Payment Scheme - Basic Payment Scheme)																						Land Use	Dairy Ha	Arable Ha	N Credit pa Point (kgN)	Mitigation Area and Land Use Notes
		Data from 2014 BPS Application				2010		2011		2012		2013		2014		2015		2016		2017		2018		2019								
						Ha	Code	Ha	Code	Ha	Code	Ha	Code	Ha	Code	Ha	Code	Ha	Code	Ha	Code	Ha	Code	Ha	Code							
1	Barn Field LHG	SU61123	2862	5.97	5.97	5.66	TG1	5.26	TG1	5.26	TG1	5.26	TG01	4.61	PP1	5.40	PG01	5.26	PG01	5.26	PG01	5.26	PG01	5.26	PG01	**Dairy**	5.26			**164.11**	The majority of the field has been in dairy grassland and this area has averaged 5.27ha over the 10 years. In 2014, the grass area was temporarily reduced to 4.61ha with a greater area of arable, then increased in the following year. For the mitigation value of the field, we have used 5.26ha being the consistent grass area for the past 4 years and slightly lower than the average grass area over the 10 years. We have ignored the mitigation value from the arable part of the field (to err on the side of caution) as this has been in crop some years and fallow in other years. The nitrate value of the field is therefore provided as 5.26ha x 31.2kgN/ha.
						0.71	OT1	0.71	OT1	0.71	OT1	0.71	OT1	1.16	OT1	0.57	FA01	0.71	AC17	0.71	AC17	0.71	AC17	0.71	AC17	**None**					
2	Warren	SU61123	3019	2.87	2.87	2.88	PP1	2.88	PP1	2.88	PP1	2.88	PP1	2.88	PP1	2.88	PG01	2.88	PG01	2.88	PG01	2.87	PG01	2.87	PG01	**Dairy**	2.65			**82.68**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 2.87ha. The north western corner is not owned. The nitrate value of the field is therefore provided as 2.65ha x 31.2kgN/ha.
3	Pheasant 2	SU61123	4203	1.54	1.54	1.57	PP1	1.55	PP1	1.55	PP1	1.56	PP1	1.56	PP1	1.55	PG01	1.55	PG01	1.55	PG01	1.54	PG01	1.54	PG01	**Dairy**	1.54			**48.05**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 1.54ha. The nitrate value of the field is therefore provided as 1.54ha x 31.2kgN/ha.
4	Barn Field BHS bottom	SU61123	4670	5.05	5.05	5.44	TG1	8.45	TG1	8.45	TG01	8.45	PP1	8.45	PG01	8.45	PG01	8.45	PG01	8.45	PG01	5.05	PG01	5.05	PG01	**Dairy**	5.05			**157.56**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 5.05ha. The nitrate value of the field is therefore provided as 5.05ha x 31.2kgN/ha. From 2018 the field has been split and the other part is now recorded under SU61123 5050 below.
						0.64	OT1																			**None**					
						1.05	AE1																			**None**					
5	Barn Field BHS bottom	SU61123	5050	3.36	3.36																	3.36	PG01	3.36	PG01	**Dairy**	3.36			**104.68**	This field used to be a part of SU61123 4670 above. The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 3.36ha. The nitrate value of the field is therefore provided as 3.36ha x 31.2kgN/ha
6	Pheasant 1	SU61123	5122	3.15	3.15	3.16	PP1	3.16	PP1	3.16	PP1	3.16	PP1	3.16	PP1	3.16	PG01	3.16	PG01	3.16	PG01	3.15	PG01	3.15	PG01	**Dairy**	3.15			**98.28**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 3.15ha. The nitrate value of the field is therefore provided as 3.15ha x 31.2kgN/ha.
7	Dell / Barn BHS top	SU61123	5084	7.15	7.15	4.33	TG1	4.79	TG1	4.79	TG1	4.79	TG1	4.79	TG1	4.79	PG01	4.79	PG01	4.79	PG01	4.65	PG01	4.62	PG01	**Dairy**	4.75			**148.20**	The dairy grassland area of this field has averaged 4.76ha over the 10 years. It has been higher than this in every year since 2010 (NB the field has also been referenced as SU61123 3088). The remainder of the field has been either cropped, fallow or under a muck heap, but these areas have been discounted from the nitrate calculations (to err on the side of caution) The nitrate value of the field is therefore provided as 4.76ha x 31.2kgN/ha.
										1.88	OT1	1.88	OT1	2.33	OT1	2.18	FA01	4.15	NA02	1.68	FA01	1.62	FA01	1.68	FA01	**None**					
																		0.50	AC17	0.50	AC17	0.50	AC17	0.50	AC17	**None**					
																		1.68	FA01	0.15	NA02	0.14	NA02	0.14	NA02	**Dairy**					
8	Poles Hill Wood Bt	SU61125	7143	2.46	2.36	1.82	OT1	1.91	OT1	1.91	TG1	1.91	TG01	1.91	TG1	1.91	TG01	1.91	TG01	2.36	PG01	2.36	PG01	2.36	PG01	**Dairy/N**	1.46	0.27		**89.27**	A minimum area of 1.91ha has been in dairy grassland for the last 8 years (NB the field has also been referenced as SU61123 6835). In 2010 and 2011 the field was used for arable with a minimum area of 1.83ha. The nitrate value of the field is therefore provided at a conservative 1.83ha x 80% x 31.2kgN/ha plus 1.83ha x 20% x 26.2kgN/ha (equating to 1.83ha at an average of 30.20kgN/ha)
						0.54	PP4	0.54	PP4	0.54	PP4	0.54	PP4	0.54	PP4	0.54	PG01	0.54	PG01							**None**					
9	Poles Hill Wood Tp	SU61125	7154	3.70	3.70	3.63	OT1	3.63	TG1	3.63	TG01	3.63	TG1	3.63	TG01	3.63	TG01	3.63	TG01	3.63	PG01	3.70	PG01	3.70	PG01	**Dairy/N**	2.90	0.73		**108.68**	A minimum area of 3.63ha has been in dairy grassland for the last 8 years. In 2010 and 2011 the field was used for arable with a minimum area of 3.63ha. The nitrate value of the field is therefore provided at a conservative 3.63ha x 80% x 31.2kgN/ha plus 3.63ha x 20% x 26.2kgN/ha (equating to 3.63ha at an average of 30.20kgN/ha)
14	Mur	SU62022	6929	2.57	2.42	2.54	PP1	2.54	PP1	2.54	PP1	2.54	PP1	2.54	PP1	2.54	PG01	2.42	PG01	2.42	PG01	2.42	PG01	2.42	PG01	**Dairy**	2.42			**75.60**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 2.42ha. The nitrate value of the field is therefore provided as 2.42ha x 31.2kgN/ha.
15	Peake 1/2/3	SU62022	7206	11.40	11.23	11.26	PP1	11.32	PP1	11.32	PP1	11.32	PP1	11.32	PP1	11.29	PG01	11.23	PG01	11.23	PG01	11.23	PG01	11.23	PG01	**Dairy**	11.23			**350.35**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 11.23ha. The nitrate value of the field is therefore provided as 11.23ha x 31.2kgN/ha.
16	Rushy	SU62022	7742	3.81	3.81	3.76	PP1	3.76	PP1	3.76	PP1	3.76	PP1	3.76	PP1	3.76	PG01	3.75	PG01	3.75	PG01	3.81	PG01	3.81	PG01	**Dairy**	3.75			**117.00**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 3.75ha. The nitrate value of the field is therefore provided as 3.75ha x 31.2kgN/ha.
17	Hayden S Bottom	SU62022	8734	4.17	4.17																	4.17	PG01	4.17	PG01	**Dairy**	4.17			**130.10**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 4.17ha. The nitrate value of the field is therefore provided as 4.17ha x 31.2kgN/ha. Prior to 2018, the field was mapped with SU6322 0147 below
18	Railway	SU62022	9426	2.16	2.16	2.11	PP1	2.16	PP1	2.16	PP1	2.16	PP1	2.16	PP1	2.16	PG01	2.16	PG01	2.17	PG01	2.16	PG01	2.16	PG01	**Dairy**	2.11			**66.88**	The whole field has been in dairy grassland for the last 10 years with a minimum grass area of 2.11ha. The nitrate value of the field is therefore provided as 2.11ha x 31.2kgN/ha.
19	Poles Hill	SU62022	0235	8.68	8.29	7.38	OT1	7.46	OT1	8.20	OT1	8.20	OT1	8.28	OT1	8.69	AC66	8.68	AC01	6.69	AC17	6.70	AC66	7.70	AC01	**Arable**		7.28		**190.74**	A minimum area of 7.28ha has been in arable for the last 10 years. The nitrate value of the field is therefore provided at a conservative 7.28ha x 26.2kgN/ha
						1.00	PP4	0.90	PP4							1.59	FA01	1.59	FA01	1.59	FA01	1.59	FA01	0.79	FA01	**None**					
20.1	Bottom Field	SU62023	2670	29.19	29.19	28.36	OT1	29.35	OT1	29.35	OT1	29.35	OT1	29.35	OT1	29.15	AC66	29.15	AC01	29.15	AC67	50.98	AC66	51.14	AC01	**Arable**		29.15		**788.79**	The whole field has been in arable for the last 10 years with a minimum area of 29.15ha. The nitrate value of the field is therefore provided as 29.15ha x 26.2kgN/ha. From 2018 the field was mapped with fields SU6123 8471 and SU6223 4961 although the original field boundaries remain and the arable area of this field remains at 29.15ha.
20.2	Long Field	SU62023	3570	7.59	7.59	6.16	OT1	6.85	OT1	7.46	OT1	7.46	OT1	7.46	OT1	7.46	AC66	7.42	AC01	7.42	AC67					**Arable**		6.16		**161.35**	The whole field has been in arable for the last 10 years with a minimum area of 6.16ha, although since 2018 the field (formerly referenced as SU6123 8471) has been mapped with SU6223 2970. The nitrate value of the field is therefore provided as 6.16ha x 26.2kgN/ha.
																		0.06	FA01	0.06	FA01					**None**					
22	Hayden S Top & Bt	SU6322	0147	6.51	6.51	10.56	PP1	10.56	PP1	10.56	PP1	10.56	PP1	10.56	PP1	10.56	PG01	10.57	PG01	10.57	PG01	6.51	PG01	6.51	PG01	**Dairy**	6.39			**199.37**	The whole field has been in dairy grassland for the last 10 years. Prior to 2018, the field was mapped with SU6222 9734 above with a minimum gross area of 10.56ha. The nitrate value of the field is therefore provided as 6.39ha x 31.2kgN/ha, being the minimum balancing area of grassland.
	Total			111.33	110.52																						60.20	43.68		**9022.69**	

Average Nitrate Credits for hectares net of woodland management

	kgN/ha/yr	less woodland N	Available kgN/ha/yr
Dairy	36.2	-5.0	**31.2**
Arable	31.2	-5.0	**26.2**

Land Code Key

SP9

PP1 Permanent Grassland
PP4 Permanent Grassland (non dairy)
TG1 Temporary Grass
OT1 Arable
AE1 Agri-Environment

SP5

PG01 Permanent Grassland
AC01 Spring Barley
AC16 Linseed
AC17 Maize
AC66 Winter Wheat
AC67 Winter Oilseed Rape
FA01 Fallow/Stewardship
NA02 Temporary non-Ag Use (muck heap)
TG01 Temporary Grass