

# Summary of Appendix 9B - Groundwater Abstractions

Appendix 18					
Sunnica - Landowner Irrigation Schedule	Total	For Irrigation	Winter storage		
Landowner	m3	Surface/Ground m3	Storage m3	total	m3/250 total
Chippenham Park Farm	531,848	304,576	227,272	531,848	2,127
Moulton Manor Farm	116,000	71,000	45,000	116,000	464
Moulton Manor Farm (Holdings)Ltd	68,000		68,000	68,000	272
R F Tilbrook & Sons	80,200	80,200		80,200	321
S J P Mortlock Ltd	36,000	36,000		36,000	144
T R & J R Waters	933,964	622,643	311,321	933,964	3,735
Upton Suffolk Farms	642,239	642,239		642,239	2,569
<b>totals</b>	<b>2,408,251</b>	<b>1,756,658</b>	<b>651,593</b>	<b>2,408,251</b>	<b>9,632</b>
Total hectare inches	9,632				
Total hectares of potates that could be grown	1,204				
Total potatoes produce at 60t per ha	72,240				
Total value of potato crop at £250 per tonne	18,060,000				



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# SUNNICA ENERGY FARM

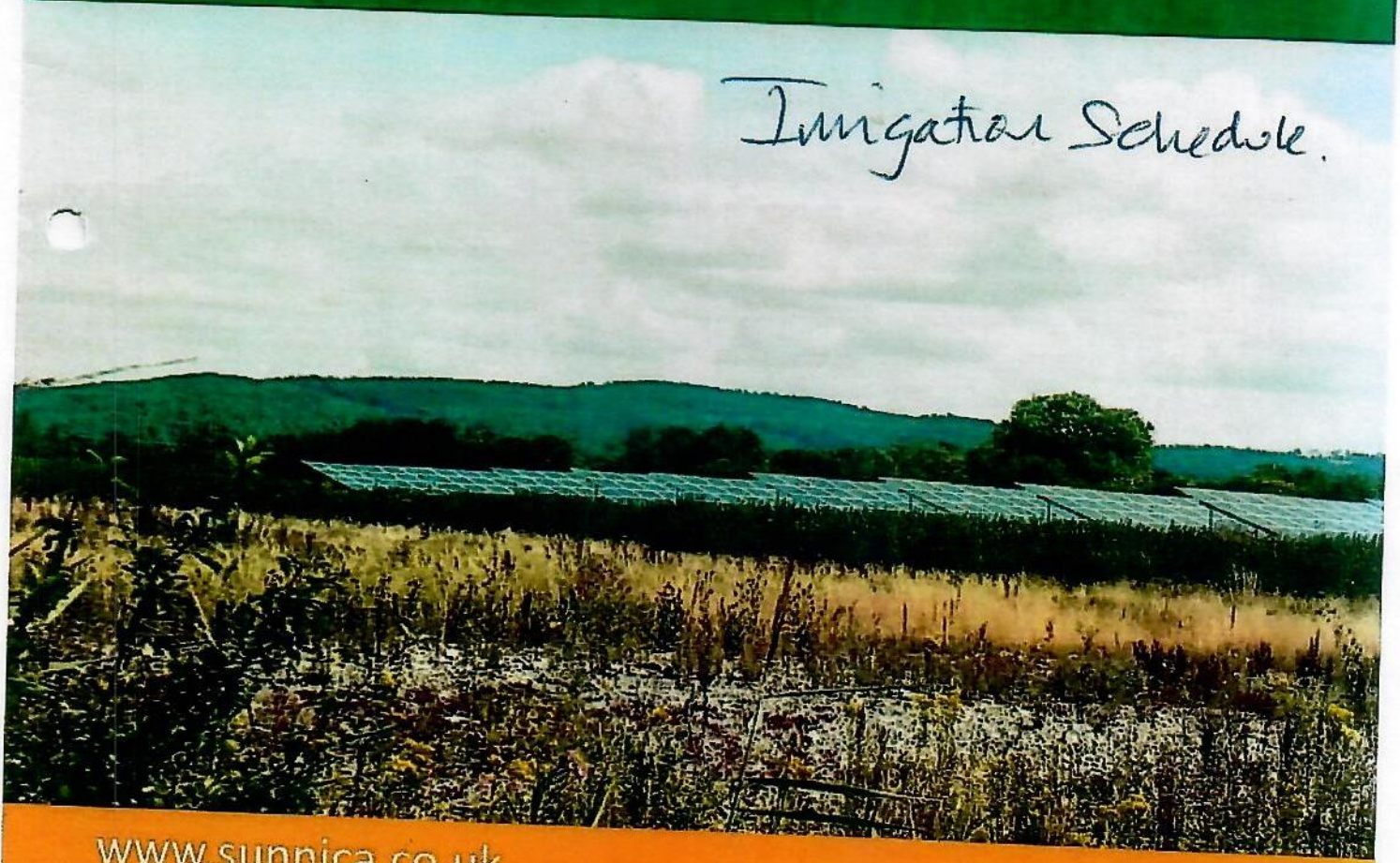
## Preliminary Environmental Information Report

Appendix 9B: Groundwater Abstractions

Sunnica Ltd

AUGUST 2020

*Irrigation Schedule.*





### Quality information

Prepared by	Checked by	Verified by	Approved by
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### Revision History

Revision	Revision date	Details	Authorized	Name	Position
1	September 2020	For issue	OT	Owen Tucker	Associate

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## 9B Groundwater Abstractions

Table 9B-1: Environment Agency Licensed Abstractions within 500m

Licence No.	Name	NGR	Use	Annual Quantity (m <sup>3</sup> )	Source of Water	Distance to scheme (m)
6/33/36/*S/0010	Fordham Abbey Farms	TL 6347 6904	Spray Irrigation - Direct	4546	Surface water	0
6/33/36/*S/0020	Chippenham Park Farm	TL 6344 6894	Spray Irrigation - Direct	31822	Surface water	0
6/33/36/*S/0020	Chippenham Park Farm	TL 6394 6877	Spray Irrigation - Direct	31822	Surface water	0
6/33/36/*S/0020	Chippenham Park Farm	TL 6389 6836	Spray Irrigation - Direct	31822	Surface water	0
6/33/36/*S/0264	Chippenham Park Farm	TL 63451 68938	Spray Irrigation - Storage	227272	Surface water	0
6/33/36/*S/0264	Chippenham Park Farm	TL 63451 68938	Spray Irrigation - Direct	50000	Surface water	0
6/33/37/*G/0426/R02	S J P Mortlock Ltd	TL 68839 72711	Spray Irrigation - Direct	36000	Groundwater	0
6/33/38/*G/0062/R02	Moulton Manor Farm	TL 68670 71180	Spray Irrigation - Direct	71000	Groundwater	0
6/33/38/*G/0062/R02	Moulton Manor Farm	TL 68670 71180	Spray Irrigation - Storage	45000	Groundwater	0
6/33/38/*S/0057	G A Thornalley & Sons	TL 66377 74492	Transfer Between Sources (Post Water Act 2003)	90900	Surface water	0
6/33/39/*S/0478/R01	T R & J R Waters	TL 66377 74492	Spray Irrigation - Direct	233491	Surface water	0
AN/033/0037/012/R02	Freckenham Estate	TL 67693 72809	Spray Irrigation - Direct	59100	Groundwater	0
AN/033/0037/012/R02	Freckenham Estate	TL 67693 72809	Spray Irrigation - Storage	59100	Groundwater	0

<i>Licence No.</i>	<i>Name</i>	<i>NGR</i>	<i>Use</i>	<i>Annual Quantity (m<sup>3</sup>)</i>	<i>Source of Water</i>	<i>Distance to scheme (m)</i>
AN/033/0038/003/R01	Freckenham Estate	TL 66562 72489	Spray Irrigation - Storage	54545	Surface water	0.123807988
6/33/36/*S/0020	Chippenham Park Farm	TL 6380 6836	Spray Irrigation - Direct	31822	Surface water	3.294561307
6/33/36/*S/0020	Chippenham Park Farm	TL 6363 6901	Spray Irrigation - Direct	31822	Surface water	4.342334657
6/33/36/*S/0020	Chippenham Park Farm	TL 6354 6861	Spray Irrigation - Direct	31822	Surface water	6.70143534
6/33/36/*S/0020	Chippenham Park Farm	TL 6395 6818	Spray Irrigation - Direct	31822	Surface water	7.880821414
6/33/37/*G/0096	Upton Suffolk Farms	TL 697 730	Spray Irrigation - Direct	32959	Groundwater	12.39907979
6/33/37/*G/0096	Upton Suffolk Farms	TL 697 730	Spray Irrigation - Anti Frost	32959	Groundwater	12.39907979
6/33/36/*S/0020	Chippenham Park Farm	TL 6411 6815	Spray Irrigation - Direct	31822	Surface water	28.06063613
6/33/34/*S/0068	R Brown & Sons	TL 5818 6790	Spray Irrigation - Direct	4545	Surface water	36.37065827
6/33/28/*G/0049/R02	Environment Agency	TL 6731 6680	Transfer Between Sources (Post Water Act 2003)	640000	Groundwater	39.55557841
6/33/38/*S/0057	G A Thormalley & Sons	TL 66172 74000	Transfer Between Sources (Post Water Act 2003)	90900	Surface water	47.79760267
6/33/38/*S/0050/R01	Moulton Manor Farm (Holdings) Ltd	TL 68440 70537	Spray Irrigation - Storage	68000	Surface water	98.65701785
6/33/34/*S/0303/R01	G K Harrington & Sons	TL 58810 68390	Spray Irrigation - Direct	13600	Surface water	106.1160428
6/33/36/*S/0010	Fordham Abbey Farms	TL 6345 6927	Spray Irrigation - Direct	4546	Surface water	123.5510873



Licence No.	Name	NGR	Use	Annual Quantity (m <sup>3</sup> )	Source of Water	Distance to scheme (m)
6/33/37/*G/0096	Upton Suffolk Farms	TL 694 726	Spray Irrigation - Direct	32959	Groundwater	127.9241758
6/33/37/*G/0096	Upton Suffolk Farms	TL 694 726	Spray Irrigation - Anti Frost	32959	Groundwater	127.9241758
6/33/38/*G/0071/R02	R F Tilbrook & Sons	TL 68877 68090	Spray Irrigation - Direct	80200	Groundwater	137.2731117
6/33/37/*G/0109	Miss C Norman	TL 6750 7437	Spray Irrigation - Direct	1018	Groundwater	150.6853685
6/33/34/*S/0280/R01	H J Hurrell	TL 5772 6715	Spray Irrigation - Direct	21100	Surface water	153.1416395
6/33/34/*S/0068	R Brown & Sons	TL 5876 6830	Spray Irrigation - Direct	4545	Surface water	154.6934983
6/33/37/*G/0096	Upton Suffolk Farms	TL 694 725	Spray Irrigation - Direct	32959	Groundwater	158.5326848
6/33/37/*G/0096	Upton Suffolk Farms	TL 694 725	Spray Irrigation - Anti Frost	32959	Groundwater	158.5326848
6/33/36/*S/0010	Fordham Abbey Farms	TL 6400 6921	Spray Irrigation - Direct	4546	Surface water	169.3679985
6/33/38/*G/0021	R F Turner & Son	TL 676 690	General Farming & Domestic	659	Groundwater	200.3157889
6/33/39/*S/0478/R01	T R & J R Waters	TL 66470 75102	Spray Irrigation - Direct	233491	Surface water	211.0703297
6/33/39/*S/0478/R01	T R & J R Waters	TL 66470 75102	Spray Irrigation - Direct	233491	Surface water	211.0703297
6/33/38/*S/0057	G A Thornalley & Sons	TL 66820 75040	Spray Irrigation - Direct	81819	Surface water	214.7851125
6/33/36/*S/0168	Fordham Abbey Farms	TL 631 693	General Farming & Domestic	2273	Surface water	220.3009294
6/33/37/*G/0109	Miss C Norman	TL 6754 7444	Spray Irrigation - Direct	1018	Groundwater	221.7793283

<i>Licence No.</i>	<i>Name</i>	<i>NGR</i>	<i>Use</i>	<i>Annual Quantity (m<sup>3</sup>)</i>	<i>Source of Water</i>	<i>Distance to scheme (m)</i>
6/33/34/*S/0293/R01	Clarke Farms (Isleham) Limited	TL 66469 75113	Spray Irrigation - Direct	48830	Surface water	222.1076885
6/33/34/*S/0280/R01	H J Hurrell	TL 5781 6779	Spray Irrigation - Direct	21100	Surface water	249.5837604
6/33/37/*G/0109	Miss C Norman	TL 6758 7449	Spray Irrigation - Direct	1018	Groundwater	272.9175126
6/33/34/*S/0293/R01	Clarke Farms (Isleham) Limited	TL 60912 68787	Spray Irrigation - Direct	31790	Surface water	276.7046475
6/33/38/*S/0088	A G Wright & Son (Farms) Ltd	TL 6806 7064	Spray Irrigation - Storage	272760	Surface water	279.4602472
6/33/34/*S/0280/R01	H J Hurrell	TL 5744 6734	Spray Irrigation - Direct	21100	Surface water	286.8893986
6/33/37/*S/0423/R01	H Summers & Son	TL 67292 74711	Spray Irrigation - Direct	15900	Surface water	293.2977805
6/33/36/*S/0010	Fordham Abbey Farms	TL 6340 6947	Spray Irrigation - Direct	4546	Surface water	309.5058117
6/33/36/*S/0010	Fordham Abbey Farms	TL 6323 6950	Spray Irrigation - Direct	4546	Surface water	366.2215017
6/33/34/*G/0001	Exning Estate Co	TL 619 682	General Farming & Domestic	2945	Groundwater	366.7648131
6/33/37/*S/0378	Royal Worlington & Newmarket Golf Club	TL 702 735	Spray Irrigation - Storage	18181	Surface water	381.9548905
6/33/37/*G/0400/R02	Upton Suffolk Farms	TL 70260 71801	Spray Irrigation - Anti Frost	9320	Groundwater	391.4670067
6/33/37/*G/0400/R02	Upton Suffolk Farms	TL 70260 71801	Spray Irrigation - Direct	162835	Groundwater	391.4670067

<i>Licence No.</i>	<i>Name</i>	<i>NGR</i>	<i>Use</i>	<i>Annual Quantity (m<sup>3</sup>)</i>	<i>Source of Water</i>	<i>Distance to scheme (m)</i>
6/33/37/*G/0400/R02	Upton Suffolk Farms	TL 70260 71801	General Farming & Domestic	49640	Groundwater	391.4670067
6/33/37/*G/0187	Upton Suffolk Farms	TL 703 718	Vegetable Washing	22730	Groundwater	393.1161117
6/33/37/*G/0101	Royal Worlington & Newmarket Golf Club	TL 699 735	Spray Irrigation - Direct	3636	Groundwater	412.5091193
6/33/37/*G/0101	Royal Worlington & Newmarket Golf Club	TL 699 735	Spray Irrigation - Storage	3636	Groundwater	412.5091193
6/33/39/*S/0478/R01	T R & J R Waters	TL 66793 75265	Spray Irrigation - Direct	233491	Surface water	429.8181732
6/33/37/*G/0400/R02	Upton Suffolk Farms	TL 69715 71747	Spray Irrigation - Direct	162835	Groundwater	467.6342221
6/33/37/*G/0400/R02	Upton Suffolk Farms	TL 69715 71747	Make-Up or Top Up Water	37125	Groundwater	467.6342221

Source: Environment Agency



**Table 9B-2: Local Authority Registered Abstractions within 500m**

<i>Licence No.</i>	<i>Name</i>	<i>Easting</i>	<i>Northing</i>	<i>Supply Type</i>	<i>Daily Quantity Cap (m<sup>3</sup>)</i>	<i>Distance to scheme (m)</i>
P/298/PWS/012	Lee Farm, Isleham Road IP28 8HR.	566218	273861	Single Domestic	0.8	27.33
P/298/PWS/008	Lindcoly Kennels, IP28 8EW.	568225	271667	Reg 10	0.6	102.21
P/298/PWS/047	Bh 3, The Bungalow, Freckenham Road, Suffolk.	567404	274236	Single Domestic	0.2	366.95
P/298/PWS/048	Bh 2, The Bungalow, Freckenham Road, Suffolk.	567404	274236	Single Domestic	0.4	366.95
P/298/PWS/046	Bh 1, The Bungalow, Freckenham Road, Suffolk.	567467	274231	Single Domestic	1	429.35
NA	Wild Tracks	568400	268700	Reg 9	10	92.73
NA	Snailwell House	564505	267337	Single Domestic	0	340.62
NA	Saki Brewery Fordham Abbey	562968	269468	Reg 9	10	387.09
NA	Badlingham Farm	567700	270800	Single Domestic	1	490.78

*Source: West Suffolk Council and East Cambridgeshire Council*

