

ANNEX 5 - SHEET 1

Weighted average area per million tonnes of resource

Source for density of 1.76 tonne per cubic metre
<http://www.myersgroup.co.uk/nm/technicalpage.asp?pageID=15>

Calculating the weighted averages

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ANNEX 5 - SHEET 2

Weighted averages for distance to markets

NORTHERN OXFORDSHIRE SITES

		Resource (million tonnes)	Distance to Banbury		Distance to Bicester		Distance to Oxford		Distance to Abingdon		Distance to Didcot		Distance to Wantage-Grove		
			Million tonne miles (miles)												
Nomination															
SRA 6	SG-08 Land at Lower Road	2.5	29.4	73.5	15	37.5	7.9	19.75	15.6	39	22.6	56.5	21.2	53	
SRA 6	SG-18 Land at Standlake	0.5	32.5	16.25	18.1	9.05	11	5.5	18.7	9.35	25.7	12.85	24.3	12.15	
SRA 6	SG-20 Land between Eynsham and Cassington	1.5	26.7	40.05	12.3	18.45	5.2	7.8	12.9	19.35	19.9	29.85	18.5	27.75	
SRA 6	SG-20a Wharf Farm, Cassington	1.6	26.7	42.72	12.3	19.68	5.2	8.32	12.9	20.64	19.9	31.84	18.5	29.6	
SRA 6	SG-20b Land at Eynsham	1.9	26.7	50.73	12.3	23.37	5.2	9.88	12.9	24.51	19.9	37.81	18.5	35.15	
SRA 6	SG-23 Windrush North Gill Mill	0.8	35.5	28.4	21.1	16.88	14	11.2	21.7	17.36	28.7	22.96	27.3	21.84	
SRA 6	SG-27 Vicarage Pit, Cogges Lane	1.6	35.5	56.8	21.1	33.76	14	22.4	21.7	34.72	28.7	45.92	27.3	43.68	
SRA 6	SG-28 Guy Lakes North, adj. B4449	0.4	35.5	14.2	21.1	8.44	14	5.6	21.7	8.68	28.7	11.48	27.3	10.92	
SRA 6	SG-29 Sutton Farm, Sutton	5.0	30.9	154.5	16.5	82.5	9.4	47	17.1	85.5	24.1	120.5	22.7	113.5	
SRA 6	SG-30 Home Farm, Brighthampton	0.4	37.9	15.16	23.5	9.4	16.4	6.56	24.1	9.64	31.1	12.44	29.7	11.88	
SRA 6	SG-31 Land East of Sutton	9.0	30.9	278.1	16.5	148.5	9.4	84.6	17.1	153.9	24.1	216.9	22.7	204.3	
SRA6 Resource Nomination Total Resource / Average Distance (million tonne miles)		25.2		30.6		16.2		9.1		16.8		23.8		22.4	
Bampton/Clanfield	SG-15 Dairy Farm, Clanfield	5.4	43.2	233.3	28.8	155.5	21.7	117.2	29.4	158.8	36.4	196.6	35.0	189.0	
Bampton/Clanfield	SG-58 Chestlton Farm, Clanfield	5.1	43.2	220.3	28.8	146.9	21.7	110.7	29.4	149.9	36.4	185.6	35.0	178.5	
Bampton/Clanfield	SG-58a Manor Farm, Clanfield	12.0	43.2	518.4	28.8	345.6	21.7	260.4	29.4	352.8	36.4	436.8	35.0	420.0	
Bampton/Clanfield Total Resource / Average Distance (million tonne miles)		22.5		43.2		28.8		21.7		29.4		36.4		35.0	
All Northern Oxfordshire Total Resource / Average Distance (million tonne miles)		47.7		36.5		22.1		15.0		22.7		29.7		28.3	

To add to Oxford distance for all northern sites (as they all use Wolvercote roundabout)

Ban	Bic	Ab	Did	Wan
21.5	7.1	7.7	14.7	13.3

SOUTHERN OXFORDSHIRE SITES

Resource Area	Nomination	Resource (million tonnes)	Distance to Banbury		Distance to Bicester		Distance to Oxford		Distance to Abingdon		Distance to Didcot		Distance to Wantage-Grove	
			Million tonne miles (miles)											
Nomination														
SRA5 (Radley)	SG-42 Nuneham Courtenay	4.4	32.5	143	18.1	79.64	5.5	24.2	7.4	32.56	17.4	76.56	18.9	83.16
SRA5 (Radley)	SG-41 North of Lower Radley	1.5	33.6	50.4	19.2	28.8	7.6	11.4	2.4	3.6	10.5	15.75	15.1	22.65
SRA5 (Drayton St. Leonard)	SG-09 Land North of Drayton St. Leonard and Berinsfield.	4.5	35.1	157.95	20.7	93.15	8.1	36.45	6.7	30.15	14.8	66.6	21.5	96.75
SRA5 (Drayton St. Leonard)	SG-59 Stadhampton	1.5	35.1	52.65	20.7	31.05	8.1	12.15	6.7	10.05	14.8	22.2	21.5	32.25
SRA5 (Benson)	SG-03 Land adj. Benson Marina	0.07	39.7	2.779	25.3	1.771	12.7	0.889	9.6	0.672	10.4	0.728	21.4	1.498
SRA5 (Cholsey)	SG-60 White Cross Farm, Wallingford	0.5	43.3	21.65	28.9	14.45	16.3	8.15	13.2	6.6	6.8	3.4	17.9	8.95
SRA5 (Cholsey)	SG-33 Land South of Wallingford, New Barn Farm	3.9	43.4	169.26	29	113.1	16.4	63.96	13.3	51.87	6.5	25.35	17.5	68.25
SRA5 (Culham)	SG-17 Land at Culham	4.0	38	152	23.6	94.4	11.1	44.4	3.7	14.8	16.1	64.4	24.5	98
SRA5 (Culham)	SG-19 Bridge Farm Appleford	0.5	41.4	20.7	27	13.5	15.3	7.65	7.8	3.9	1.8	0.9	10.2	5.1
SRA5 (Culham)	SG-62 Appleford, Didcot	1.1	41.4	45.54	27	29.7	15.3	16.83	7.8	8.58	1.8	1.98	10.2	11.22
SRA 5 Subtotal (Average) Resource / Average Distance (million tonne miles)		21.97		37.1		22.7		10.3		7.4		12.6		19.5
SRA 4 (Caversham)	SG-11 Land East of Spring Lane, Sonning Eye (Caversham 'C').	2.1	55.4	116.34	41	86.1	28.4	59.64	25.3	53.13	20.7	43.47	31.7	66.57
SRA 4 Subtotal (Average) Resource / Average Distance (million tonne miles)		2.1		55.4		41		28.4		25.3		20.7		31.7
All Southern Oxfordshire Total Resource / Average Distance (million tonne miles)		24.07		38.7		24.3		11.9		9.0		13.4		20.5

To convert Banbury distance to Bicester distance
Used in Column H 14.4

A. Total SRA4, SRA5 and SRA6 / Average Distance (million tonne miles)	49.27	34.6	20.2	10.4	13.0	18.7	21.5
B. Grand total with Bampton/Clanfield / Average Distance (million tonne miles)	71.77	37.3	22.9	14.0	18.1	24.2	25.7

Difference between A and B (million tonne miles) 2.7