

This file provides the confusion matrices associated with a publication. The article is by John A. Finn and Patrick Moran, and titled 'A pilot study of habitat reports for sustainability assessments'.

This file contains four worksheets: 'High vs Low matrix', 'Level II matrix', 'Level III matrix', and 'Level III matrix'.

The worksheet 'High vs Low matrix' contains data on habitat area and 'low' categories that represent an aggregate of habitats. See text for details of each category.

The worksheet 'Level II confusion matrix' contains data on habitat area and habitat groups in the Irish habitat classification of Fossit (2000).

The worksheet 'Level III confusion matrix' contains data on habitat area and habitat groups in the Irish habitat classification of Fossit (2000).

The worksheet 'Level III confusion matrix' contains data on habitat area and habitat groups in the Irish habitat classification of Fossit (2000). Because HH2, HH3, HH4, these were aggregated into a single (level 2) category.

In each worksheet, data for the different habitat classes (coded as in the article) were collected by reviewing satellite imagery, and as assessed by a different ecologist in the field. The row data indicate the habitat areas collected from field survey (grassland, etc.) and the column data indicate the habitat areas from satellite imagery (habitat, etc.).

on in the Irish Journal of Agricultural and Food Research.
udy of methodology for the development of farmland

'ix', 'Level III matrix' and 'Level III matrix (HH)'

d the confusion matrix corresponding to the 'high' and
etails of which habitats of Fossit (2000) were included in

ea and the confusion matrix corresponding to level II

rea and the confusion matrix corresponding to level III

rea and the confusion matrix corresponding to level III
use of known high errors in identification across HH1,
r of HH.

Fossitt 2000), are provided as assessed by an ecologist
n a field survey.

ound truthed habitats confirmed to be present).
oitat identiification based on interpretation of imagery).

	HIGH	LOW	
HIGH	3509.94	90.88204	3600.822
LOW	197.06	4204.49	4401.55
	3707	4295.372	

TOTAL CORRECT 7714.43

TOTAL AREA 8002.372

% CORRECT 96.40179

		ERROR OF OMISSION		ERROR O	
0.9468411114108	94.68411	5.32	0.974761	97.47608	2.52
0.9788418700048	97.88419	2.12	0.955229	95.52294	4.48

kappa coe'k1 7714.43
k2 32254542

total number 8002.37
k1 7714.43
k2 32254542

total no. * k1 61733723
total squared 64037926
(Total*k1)-k2 29479181
total squared -k2 31783384
0.927503
kappa coefficient 92.75029

F COMMISSION

	BC	BL	CD	CM	ED	ER
BC	1020.306	0.0334				
BL	0.523	95.534			0.405	
CD				1.421		
CM						
ED		0.417			1.284	0.203
ER					0.035	
FL						
FS						
FW						
GA	138.716	5.43			2.521	
GM						
GS	2.424					
HD						
HH						
PB						
PF						
WD	31.082	0.821			0.216	
WN						
WS	7.855	1.114			0.89	
COLUMN TOTAL	1200.906	103.349	0	1.421	5.351	0.203
TOTAL CORRECT PREDICTED AREA			7168.45			
TOTAL AREA			8002.62			
OVERALL ACCURACY			89.5763			

	ERROR OF OMISSION		
BC	0.84961354178	84.9614	15.0386
BL	0.92437885464	92.4379	7.56211
CD		0	0
CM		0	100
ED	0.23995514857	23.9955	76.0045
ER		0	100
FL	0.63880597015	63.8806	36.1194
FS		0	100
FW	0.45480225989	45.4802	54.5198
GA	0.92588272096	92.5883	7.41173
GM		0	100
GS	0.81473131763	81.4731	18.5269
HD	0.04142964474	4.14296	95.857
HH	0.95846144306	95.8461	4.15386
PB	0.88157496449	88.1575	11.8425
PF		0	100
WD	0.8400415165	84.0042	15.9958
WN	0.67507317884	67.5073	32.4927

WS 0.72032748909 72.0327 27.9673

KAPPA EQN 1 7168.448
KAPPA EQN 2 15775829.5387

TOTAL NUMBER 8002.6164
KAPPA 1 7168.448
KAPPA 2 15773363.7472

TOTAL NO*K1 57366339.5273
TOTAL NO SQU 64041869.2455
(TOTAL *K1)-K2 41592975.7802
TOTAL SQ - K2 48268505.4984
0.86170009514
Kappa coefficient 86.1700095139

FL	FS	FW	GA	GM	GS	HD	HH	PB
			168.154					
			6.575		0.059			
	0.223							
			0.123		2.238			
0.214			0.358					
			0.611					
		0.483						
		0.121	2764.471	1.342	173.542	0.259		
					0.536			0.645
	0.663		25.056	5.445	855.054	3.453	52.359	14.224
						0.772		
					8.065	13.841	1916.528	15.452
					2.14		29.571	227.166
					0.409			
0.121			11.839		1.373			
		0.458	0.157					
			8.424	0.323	6.076	0.309	1.13	0.195
0.335	0.886	1.062	2985.768	7.11	1049.492	18.634	1999.588	257.682

ERROR OF COMISSION

0.858487	85.84869	14.15131
0.919755	91.97547	8.024531
0	0	100
0	0	0
0.29295	29.295	70.705
0	0	100
0.374126	37.41259	62.58741
0	0	100
1	100	0
0.890385	89.03853	10.96147
0	0	100
0.870094	87.00936	12.99064
0.834595	83.45946	16.54054
0.979931	97.99308	2.006924
0.877506	87.75055	12.24945
0	0	100
0.727533	72.75331	27.24669
0.886466	88.64663	11.35337

0.631847 63.18472 36.81528

PF	WD	WN	WS	ROW TOTAL	CORRECT AREAS
				1188.493	1020.306
	0.195	0.132	0.446	103.869	95.534
				1.644	0
				0	0
			0.118	4.383	1.284
			2.47	2.505	0
				0.572	0.214
				0.611	0
				0.483	0.483
0.34	9.837		8.224	3104.803	2764.471
	0.245	0.174		1.6	0
0.166	9.946	0.43	13.495	982.715	855.054
			0.153	0.925	0.772
		0.403	1.49	1955.779	1916.528
				258.877	227.166
				0.409	0
	161.062	13.91	0.957	221.381	161.062
	5.252	52.813	0.897	59.577	52.813
0.514	5.194	10.371	72.761	115.156	72.761
1.02	191.731	78.233	101.011	8003.782	

GROUND TRUT

BC1

839.052584781

BC1

BC2

6.53558170847

BC3

1.55421687511

BC4

0

BL2

0

BL3

0

CD3

0

CD4

0

CM2

0

ED1

0

ED2

0

ED3

0

ER2

0

FL1

0

FL3

0

FL4

0

FL6

0

FL8

0

FS1

0

FW1

0

FW4

0

GA1

109.084789757

GA2

0

GM1

0

GS1

0

GS2

0

GS3

0

GS4

2.05919742052

HD1

0

HH1

0

HH2

0

HH3

0

HH4

0

PB1

0

PB2

0

PB3

0

PB4

0

PF1

0

PF2

0

WD1

0

WD2

0

WD3

0

WD4

26.35659956386

WD5

0

WN1

0

WN2		0
WN4		0
WN5		0
WN6		0
WN7		0
WS1	0.109274924593	
WS2	7.70240455491	

COLUMN TOTAL	992.454649586	
--------------	---------------	--

BC1	0.845431662928991	84.5431662929
BC2	0.020720276665934	2.07202766659
BC3		
BC4		
BL2		
BL3	0.926206635417424	92.6206635417
CD3		
CD4		
CM2		
ED1		
ED2		
ED3	0.230388689880733	23.0388689881
ER2		
FL1		
FL3		
FL4		
FL6		
FL8		
FS1		
FW1	0.171471640197329	17.1471640197
FW4		1 100
GA1	0.926070984921563	92.6070984922
GA2	0.174392136576522	17.4392136577
GM1		
GS1		
GS2	0.023147133836854	2.31471338369
GS3	0.989878622387664	98.9878622388
GS4	0.479050133119667	47.905013312
HD1	0.041449731989671	4.14497319897
HH1	0.909264260605801	90.9264260606
HH2		1 100
HH3	0.689645941755666	68.9645941756
HH4		1 100

PB1	0.350038040388791	35.0038040389
PB2	0.510696316295784	51.0696316296
PB3	0.917643682589127	91.7643682589
PB4	0.880996182267821	88.0996182268
PF1		
PF2		
WD1	0.639425016502636	63.9425016503
WD2		
WD3	0.315346183102803	31.5346183103
WD4	0.89132786261529	89.1327862615
WD5		
WN1	0.577711501304451	57.7711501304
WN2		
WN4	0.117064456634848	11.7064456635
WN5	1	100
WN6	0.416512737526246	41.6512737526
WN7	0.860096524479846	86.009652448
WS1	0.751899367042063	75.1899367042
WS2	0	0

KAPPA EQN 1 6458.54746189926

KAPPA EQN 2 12830826.6770206

51691377 38860550.323

64048009 51217182.323

TOTAL NUMBER 8003.305

KAPPA 1 6458.547

KAPPA 2 12830827

Kappa coefficient 75.86371

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0.0434380214404	0	0.2473449	0.8662182
0	0	0	0	0

15.7104287500316 192.742016427764 0.088618 0.247345 102.5435

TOTAL CORRECT PREDICTED AREA 6458.54746189926
TOTAL AREA 8003.30457382612
OVERALL ACCURACY 80.6985090011592

OMISSION ERROR

COMISSIC

15.5	0.724851	72.48509	27.5
97.9	0.03745	3.744994	96.3
100.0		0	100.0
100.0		0	100.0
100.0		0	100.0
7.4	0.919326	91.93261	8.1
100.0		0	100.0
100.0		0	100.0
100.0		0	100.0
100.0		0	100.0
100.0	0.049123	4.912329	95.1
77.0	0.634861	63.48608	36.5
100.0		0	100.0
100.0		0	100.0
100.0		0	100.0
100.0		0	100.0
100.0		0	100.0
100.0		0	100.0
82.9		1 100	0.0
0.0		1 100	0.0
7.4	0.890866	89.08659	10.9
82.6	0.369428	36.94276	63.1
100.0		0 0	100.0
100.0		0 0	100.0
97.7	0.121555	12.15552	87.8
1.0	0.923071	92.30711	7.7
52.1	0.635661	63.56612	36.4
95.9	0.834355	83.43548	16.6
9.1	0.996918	99.69177	0.3
0.0	0.062032	6.203243	93.8
31.0	0.944766	94.47659	5.5
0.0	0.244094	24.4094	75.6

65.0	0.939389	93.93892	6.1
48.9	0.777776	77.77759	22.2
8.2	0.464821	46.48215	53.5
11.9	0.676283	67.62826	32.4
100.0	0	0	100.0
100.0	0	0	100.0
36.1	0.418227	41.82271	58.2
100.0	0	0	100.0
68.5	0.000757	0.075665	99.9
10.9	0.758948	75.89482	24.1
100.0	0	0	100.0
42.2	1	100	0.0
100.0	0	0	100.0
88.3	1	100	0.0
0.0	0.125087	12.50865	87.5
58.3	0.409599	40.9599	59.0
14.0	0.525359	52.53592	47.5
24.8	0.704683	70.46833	29.5
100.0	0	0	100.0

0.758740496068719

51689722.4420914
64052810.89

38858895.7650708
51221984.2129794

0.758637 75.86371

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0.1976178	0	0.6922234	0	0	0
0	0	0	0	0	0	0	0	0
0	0	1.4207	0.197618	0.125641	5.027328	0	0.119257	0

DN ERROR

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.1572378	0	0
0	0	0	0	0.4581912	0	0	0	0
0	0	0	0	0	0	3.2241018	0	0.3228503
0	0	0	0	0	0	5.1995826	0	0

0.418571 0 0.120711 0.885771 0.553018 0.387792 2983.834 6.660241 7.109833

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0.2309121	1.09895	4.746003	0.308878	0	0	1.12999	0
0	0	0	0	0	0	0	0	0

13.37284 24.08689 672.2676 335.0368 18.63344 415.6914 1.054178 1462.78 120.0619

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	5.2524809	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0.19477	0	0	0.514341	2.216526	0.625053	0.178441	0
0	0	0	0	0	0	0	0	0	0

10.01882 165.5355 58.76792 23.36056

0 1.019985 25.02747 17.19647 0.418462

WD4	WD5	WN1	WN2	WN4	WN5	WN6	WN7	WS1	
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0.2473449
0	0	0	0	0	0	0.132112	0	0	0.445852
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0.1181322
0	0	0	0	0	0	0	0	0	2.4704782
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
9.452383	0.107779	0	0	0	0	0	0	0	4.255499
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0.1737974	0	0	0
0	0	0	0	0	0	0	0	0	0.1825632
0	0	0	0	0	0	0	0	0	0
0.995368	0	0	0	0	0	0	0	0	0
2.966383	0	0.429708	0	0	0	0	0	0	12.99322
0	0	0	0	0	0	0	0	0	0.153336
0	0	0	0	0	0	0	0	0	1.1686116
0	0	0	0	0	0	0	0	0	0
0	0	0.402685	0	0	0	0	0	0	0.3244424
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
1.032456	0	5.797108	0.957089	0.450655	0	6.197815	0	0	0.784035
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
132.361	0	0	0	0	0	0	0	0.2497017	0
0	0	0	0	0	0	0	0	0	0
0	0	25.61305	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0
0	0	0	0	0.4566723	0	0	0	0	0
0	0	0	0	0	0.15908	0.5541253	0	0.5585545	
0	0	0.5126364	2.3370358	0	0	6.5735158	0.8777574	0.0739789	
0	0	5.8040282	0	0	0	0	6.9313765	0	
1.691075	0.483377	5.776147	2.443621	0	0	2.150902	0	72.05624	
0	0	0	0	2.9937055	0	0	0	0	
148.4986	0.591156	44.33536	5.737745	3.901033	0.15908	15.78227	8.058836	95.83229	

WS2	CORRECT AREAS
0	1157.55203979178
0	8.6922560348119
0	22.248995702317
0	0.0886179464685
0	0.247344939951
0	103.310951707157
0	0.223190438148
0	1.42070016812
0	0
0	0
0	2.557667186249
0	1.824398847817
0	2.5052599495503
0	0
0	0.1192566660718
0	0
0	0.324854206898
0	0.127733762495
0	0.611414390375
0	0.0948269312476
0	0.3877919260017
3.968941	3101.74876019964
0	3.1440357355049
0	1.600341458489
0	4.6231845120963
0.3197025	4.5867441016212
0	720.923124861279
0	252.492103660249
0	0.92568658508
0	379.14191669897
0	16.9939807180058
0	1067.77843235853
0	491.86747371925
0	3.733244096389
0	108.692441215053
0	116.018755730102
0	30.431903840425
0	0.409116480681
0	0
0	38.2643595125867
0	0
0	0.9778218729977
0.1725103	174.400535531386
0	7.48051519859
0	25.6130472874502

0	0
0	0.456672296042
0	1.271759784664
0.2640194	16.0486624949287
0	13.193595950163
0.705069	102.253364717026
0	15.89569261346
5.430242	8003.30457382612

	BC1	BC2	BC3	BC4
BC1	839.05258		0 172.74929	0
BC2	6.5355817	0.3255244302411		0 0.0886179
BC3	1.5542169		0	0
BC4	0	0.0886179464685		0
BL2	0		0	0
BL3	0	0.523313099021		0
CD3	0		0	0
CD4	0		0	0
CM2	0		0	0
ED1	0		0	0
ED2	0		0	0
ED3	0		0	0
ER2	0		0	0
FL1	0		0	0
FL3	0		0	0
FL4	0		0	0
FL6	0		0	0
FL8	0		0	0
FS1	0		0	0
FW1	0		0	0
FW4	0		0	0
GA1	109.08479	13.37619017706	16.255447	0
GA2	0		0	0
GM1	0		0	0
GS1	0		0	0
GS2		0.365072659846		0
GS3	0		0	0
GS4	2.0591974		0	0
HD1	0		0	0
HH				
PB1	0		0	0
PB2	0		0	0
PB3	0		0	0
PB4	0		0	0
PF1	0		0	0
PF2	0		0	0
WD1	0		0	0
WD2	0		0	0
WD3	0		0	0
WD4	26.3566	1.031710437395	3.6938369	0
WD5	0		0	0
WN1	0		0	0
WN2	0		0	0
WN4	0		0	0
WN5	0		0	0
WN6	0		0	0
WN7	0		0	0

WS1	0.1092749	0	0.043438	0
WS2	7.7024046	0	0	0

COLUMN TOTAL 992.45465 15.7104287500316 192.74202 0.0886179

TOTAL CORRECT PREDICTED AREA	6867.1855
TOTAL AREA	8003.3046
OVERALL ACCURACY	85.804375

OMISSION ERROR

BC1	0.8454317	84.543166	15.4568337071009
BC2	0.0207203	2.0720277	97.9279723334066
BC3			100
BC4			100
BL2			100
BL3	0.9262066	92.620664	7.37933645825756
CD3			100
CD4			100
CM2			100
ED1			100
ED2			100
ED3	0.2303887	23.038869	76.9611310119267
ER2			100
FL1			100
FL3			100
FL4			100
FL6			100
FL8			100
FS1			100
FW1	0.1714716	17.147164	82.8528359802671
FW4	1	100	0
GA1	0.926071	92.607098	7.39290150784373
GA2	0.1743921	17.439214	82.5607863423478
GM1			100
GS1			100
GS2	0.0231471	2.3147134	97.6852866163146
GS3	0.9898786	98.987862	1.01213776123362
GS4	0.4790496	47.904962	52.0950376388906
HD1	0.041451	4.1450993	95.8549006902684
HH	0.9584662	95.846624	4.15337636241247
PB1	0.3500144	35.001437	64.9985633435366
PB2	0.5106871	51.068711	48.9312888004971
PB3	0.9177094	91.77094	8.22905960673116
PB4	0.8810652	88.10652	11.8934797618262
PF1			100
PF2			100
WD1	0.639425	63.942502	36.0574983497364
WD2			100
WD3	0.3153462	31.534618	68.4653816897197

WD4	0.8913279	89.132786	10.867213738471
WD5			100
WN1	0.5777465	57.774649	42.2253509274111
WN2			100
WN4	0.1170645	11.706446	88.2935543365152
WN5	1	100	0
WN6	0.4165127	41.651274	58.3487262473754
WN7	0.8600965	86.009652	13.9903475520154
WS1	0.7519233	75.192333	24.8076670139305
WS2	0	0	100

KAPPA EQN 1 6867.1855

KAPPA EQN 2 14962938

51691377 36728439
0.748260890357072
64048009 49085071

TOTAL NUMBER	8003.3046	
KAPPA 1	6867.1855	54960177.0134473 39997239
KAPPA 2	14962938	64052810.89 49089873

Kappa coefficient 81.477577

0.2473449	0.8662182	0	0	0	0.1976178	0	0.6922234	0
0	0	0	0	0	0	0	0	0
0.247345	102.5435	0	0	1.4207	0.197618	0.125641	5.027328	0

COMISSION ERROR

0.724851	72.48509	27.51491
0.03745	3.744994	96.25501
	0	100
	0	100
	0	100
0.919326	91.93261	8.06739
	0	100
	0	100
	0	100
	0	100
0.049123	4.912329	95.08767
0.634861	63.48608	36.51392
	0	100
	0	100
	0	100
	0	100
	0	100
	0	100
	0	100
1	100	0
1	100	0
0.890866	89.08659	10.91341
0.369428	36.94276	63.05724
0	0	100
0	0	100
0.121555	12.15552	87.84448
0.923076	92.3076	7.692401
0.635673	63.56732	36.43268
0.834355	83.43548	16.56452
0.979934	97.99338	2.006623
0.939389	93.93892	6.061084
0.777805	77.78051	22.21949
0.464809	46.48086	53.51914
0.676283	67.62826	32.37174
0	0	100
0	0	100
0.418227	41.82271	58.17729
0	0	100
0.000757	0.075665	99.92433

0.758948	75.89482	24.10518
0	0	100
1	100	0
0	0	100
1	100	0
0.125087	12.50865	87.49135
0.409599	40.9599	59.0401
0.525359	52.53592	47.46408
0.704683	70.46832	29.53168
0	0	100

0.814776 81.47758

FL1	FL3	FL4	FL6	FL8	FS1	FW1	FW4	GA1
0	0	0	0	0	0	0	0	0 145.7502
0	0	0	0	0	0	0	0	0 1.643683
0	0	0	0	0	0	0	0	0 20.69478
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 4.474902
0	0	0	0	0	0.2231904	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0.202848	0	0	0	0	0	0 0.1226189
0	0	0	0	0	0	0	0	0 0
0.119257	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0.3248542
0	0	0.094973	0	0	0	0	0	0 0.03276
0	0	0	0	0	0	0	0	0 0.6114144
0	0	0	0	0	0	0.0948269	0	0 0
0	0	0	0	0	0	0	0.3877919	0 0
0	0	0.120749	0	0	0	0	0	0 2763.242
0	0	0	0	0	0	0	0	0 1.600856
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 1.8570138
0	0	0	0	0	0	0	0	0 2.3772302
0	0	0	0	0	0	0	0	0 0.8791458
0	0	0	0	0	0.662581	0	0	0 19.85255
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0.120711	0	0	0 0.8855926
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 3.7136991
0	0	0	0	0	0	0	0	0 7.1897434
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0
0	0	0	0	0	0	0	0	0 0.1572378
0	0	0	0	0	0	0.4581912	0	0 0

0	0	0	0	0	0	0	0	0 3.2241018
0	0	0	0	0	0	0	0	0 5.1995826

0.119257	0	0.418571	0	0.120711	0.885771	0.553018	0.387792	2983.834
----------	---	----------	---	----------	----------	----------	----------	----------

0	0.3228503	0	0.2309121	1.09895	4.746003	0.308878	1.13	0
0	0	0	0	0	0	0		0

6.660241 7.109833 13.37284 24.08689 672.2676 335.0372 18.63287 1999.578 10.0195

0	0.19477	0	0	0.514341	2.216526	0.625053	0.178441	1.691075
0	0	0	0	0	0	0	0	0

165.5385 58.76371 23.35873

0 1.019985 25.02747 17.19647 0.418462 148.4986

WD5	WN1	WN2	WN4	WN5	WN6	WN7	WS1	WS2	
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0 0.2473449	0	0
0	0	0	0	0	0 0.132112	0	0 0.445852	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0 0.1181322	0	0
0	0	0	0	0	0	0	0 2.4704782	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0.107779	0	0	0	0	0	0	0 4.255499	3.968941	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0 0.1737974	0	0	0	0
0	0	0	0	0	0	0	0 0.1825632	0	0
0	0	0	0	0	0	0	0	0 0.3197025	0
0	0	0	0	0	0	0	0	0	0
0	0.429708	0	0	0	0	0	0 12.99322	0	0
0	0	0	0	0	0	0	0 0.153336	0	0
	0.4							1.49	
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	5.797108	0.957089	0.450655	0	6.197815	0	0.784035	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0 0.2497017	0	0 0.1725103	0
0	0	0	0	0	0	0	0	0	0
0	25.61305	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0.4566723	0	0	0	0	0	0
0	0	0	0	0.15908	0.5541253	0	0.5585545	0	0
0	0.5126364	2.3370358	0	0	6.5735158	0.8777574	0.0739789	0.2640194	0
0	5.8040282	0	0	0	0	6.9313765	0	0	0

0.483377	5.776147	2.443621	0	0	2.150902	0	72.05624	0.705069
0	0	0	2.9937055	0	0	0	0	0
0.591156	44.33267	5.737745	3.901033	0.15908	15.78227	8.058836	95.82924	5.430242

CORRECT AREAS

1157.552

8.692256

22.249

0.088618

0.247345

103.311

0.22319

1.4207

0

0

2.557667

1.824399

2.50526

0

0.119257

0

0.324854

0.127734

0.611414

0.094827

0.387792

3101.749

3.144036

1.600341

4.623185

4.586744

720.9193

252.4873

0.925687

1955.773

3.733244

108.6884

116.022

30.4319

0.409116

0

38.26436

0

0.977822

174.4005

7.480515

25.61305

0

0.456672

1.27176

16.04866

13.1936

102.2534

15.89569

8003.286