Land Cover Classification Legend

14-May-01

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*

Dichotomous Phase

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
1	Dichotomous Phase	1	**0003** *A11* Cultivated and Managed Terrestrial Area(s)	*agriculture (excluding 'flooded' agricultural systems)*
2		1	**0006** *A23* Cultivated Aquatic or Regularly Flooded Area(s)	*agriculture ('flooded')*
3		1	**0010** *B15* Artificial Surfaces and Associated Area(s)	*built-over surfaces*
4		1	**0013** *B27* Artificial Waterbodies, Snow and Ice	*artificial waterbodies, snow and ice*

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#	Structural Domain	Level	Map Code	User's Label
			Classifiers	
			Land Cover Class	

Natural and Semi-Natural Terrestrial Vegetation

#	Structural Domain	Level	Map Code	User's Label
5	Forest	2	**20089**	
			A3A10B2XXD1E1	
			Broadleaved Evergreen Forest	*closed broadleaved evergreen forest*
6		2	**20090**	
			A3A10B2XXD1E2	
			Broadleaved Deciduous Forest	*closed broadleaved deciduous forest*
7		2	**20092**	
			A3A10B2XXD2E1	
			Needleleaved Evergreen Forest	*closed needleleaved evergreen forest*
8		2	**20093**	
			A3A10B2XXD2E2	
			Needleleaved Deciduous Forest	*closed needleleaved deciduous forest*

#	Structural Domain	Level	Map Code	User's Label
			Classifiers	
			Land Cover Class	
9	Woodland	2	**20131**	
			A3A11B2XXD1E1	
			Broadleaved Evergreen Woodland	*open broadleaved evergreen forest*
10		2	**20132**	
			A3A11B2XXD1E2	
			Broadleaved Deciduous Woodland	*open broadleaved deciduous forest*
11		2	**20134**	
			A3A11B2XXD2E1	
			Needleleaved Evergreen Woodland	*open needleleaved evergreen forest*
12		2	**20135**	
			A3A11B2XXD2E2	
			Needleleaved Deciduous Woodland	*open needleleaved deciduous forest*

#	Structural Domain	Level	Map Code	User's Label
			Classifiers	
			Land Cover Class	
13	Thicket	2	**20152**	
			A4A10B3XXD1E1	
			Broadleaved Evergreen Thicket	*closed shrubland; leaf type as specified;*
14		2	**20153**	
			A4A10B3XXD1E2	
			Broadleaved Deciduous Thicket	*closed shrubland; leaf type as specified;*
15		2	**20155**	
			A4A10B3XXD2E1	
			Needleleaved Evergreen Thicket	*closed shrubland; leaf type as specified;*
16		2	**20156**	
			A4A10B3XXD2E2	
			Needleleaved Deciduous Thicket	*closed shrubland; leaf type as specified;*

#	Structural Domain	Level	Map Code Classifiers Land Cover Class	User's Label
17	Shrubland	2	**20173** *A4A11B3XXD1E1* Broadleaved Evergreen Shrubland	*open shrubland; leaf type as specified;*
18		2	**20174** *A4A11B3XXD1E2* Broadleaved Deciduous Shrubland	*open shrubland; leaf type as specified;*
19		2	**20176** *A4A11B3XXD2E1* Needleleaved Evergreen Shrubland	*open shrubland; leaf type as specified;*
20		2	**20177** *A4A11B3XXD2E2* Needleleaved Deciduous Shrubland	*open shrubland; leaf type as specified;*

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
21	Sparse Vegetation	1	**20049** *A1A14* Sparse Woody Vegetation	*sparse tree or shrub cover*
22		1	**20052** *A3A14* Sparse Trees	*sparse tree cover*
23		1	**20055** *A4A14* Sparse Shrubs	*sparse shrub cover*
24		1	**20058** *A2A14* Herbaceous Sparse Vegetation	*sparse grass cover*

#	Structural Domain	Level	Map Code Classifiers Land Cover Class	User's Label
25	Mixed Class	1	**20001 / 20009** *A1A10 / A1A11* Closed Woody Vegetation / Open Woody Vegetation	*closed to open cover of forest or shrubs; (/ to be replaced by //)*
26		3	**20025 / 20454** *A2A10 / A2A11B4XXXXXXF1* Herbaceous Closed Vegetation / Open Herbaceous Vegetation, Single Layer	*closed to open grassland; (/ to be replaced by //)*
27		2	**20089 / 20131** *A3A10B2XXD1E1 / A3A11B2XXD1E1* Broadleaved Evergreen Forest / Broadleaved Evergreen Woodland	*closed to open broadleaved evergreen forest*
28		2	**20090 / 20132** *A3A10B2XXD1E2 / A3A11B2XXD1E2* Broadleaved Deciduous Forest / Broadleaved Deciduous Woodland	*closed to open broadleaved deciduous forest*
29		2	**20092 / 20134** *A3A10B2XXD2E1 / A3A11B2XXD2E1* Needleleaved Evergreen Forest / Needleleaved Evergreen Woodland	*closed to open needleleaved evergreen forest*

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
30	Mixed Class	2	**20093 / 20135** *A3A10B2XXD2E2 / A3A11B2XXD2E2* Needleleaved Deciduous Forest / Needleleaved Deciduous Woodland	*closed to open needleleaved deciduous forest*
31		2	**20152 / 20173** *A4A10B3XXD1E1 / A4A11B3XXD1E1* Broadleaved Evergreen Thicket / Broadleaved Evergreen Shrubland	*closed to open shrubland; leaf type as specified; (/ to be replaced by //);*
32		2	**20153 / 20174** *A4A10B3XXD1E2 / A4A11B3XXD1E2* Broadleaved Deciduous Thicket / Broadleaved Deciduous Shrubland	*closed to open shrubland; leaf type as specified; (/ to be replaced by //);*
33		2	**20155 / 20176** *A4A10B3XXD2E1 / A4A11B3XXD2E1* Needleleaved Evergreen Thicket / Needleleaved Evergreen Shrubland	*closed to open shrubland; leaf type as specified; (/ to be replaced by //);*
34		2	**20156 / 20177** *A4A10B3XXD2E2 / A4A11B3XXD2E2* Needleleaved Deciduous Thicket / Needleleaved Deciduous Shrubland	*closed to open shrubland; leaf type as specified; (/ to be replaced by //);*

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
35	Mixed Class	3	**20410 / 20455** *A2A10B4XXXXXXF2F5F10G2 / A2A11B4XXXXXXF2F5F10G2* Herbaceous Vegetation With Trees / Open Herbaceous Vegetation With Trees	*closed to open grassland with sparse trees; (/ to be replaced by //)*
36		3	**20413 / 20458** *A2A10B4XXXXXXF2F6F10G3 / A2A11B4XXXXXXF2F6F10G3* Herbaceous Vegetation With Shrubs / Open Herbaceous Vegetation With Shrubs	*closed to open grassland with sparseshrubs; (/ to be replaced by //)*
37		1	**21435 / 21438** *A7A10 / A7A11* Closed Lichens/Mosses / Open Lichens/Mosses	*closed to open lichens and mosses*

#	Structural Domain	Level	Map Code	User's Label
			Classifiers	
			Land Cover Class	

Natural and Semi-Natural Aquatic or Regularly Flooded Vegetation

#	Structural Domain	Level	Map Code	User's Label
38	Forest	3	**40113**	
			A3A12B2C1D1E1	
			Broadleaved Evergreen Forest On Permanently Flooded Land	*permanently flooded, closed forests; leaf type as indicated;*
39		3	**40114**	
			A3A12B2C1D1E2	
			Broadleaved Deciduous Forest On Permanently Flooded Land	*permanently flooded, closed forests; leaf type as indicated;*
40		3	**40116**	
			A3A12B2C1D2E1	
			Needleleaved Evergreen Forest On Permanently Flooded Land	*permanently flooded, closed forests; leaf type as indicated;*
41		3	**40117**	
			A3A12B2C1D2E2	
			Needleleaved Deciduous Forest On Permanently Flooded Land	*permanently flooded, closed forests; leaf type as indicated;*
42		3	**40120**	
			A3A12B2C2D1E1	
			Broadleaved Evergreen Forest On Temporarily Flooded Land	*temporarily flooded closed forests; leaf type as indicated;*

#	Structural Domain	Level	Map Code	User's Label
			Classifiers	
			Land Cover Class	
43	Woodland	3	**40155**	
			A3A13B2C1D1E1	
			Broadleaved Evergreen Woodland On Permanently Flooded Land	*permanently flooded open forests;*
44		3	**40156**	
			A3A13B2C1D1E2	
			Broadleaved Deciduous Woodland On Permanently Flooded Land	*permanently flooded open forests; leaf type as indicated;*
45		3	**40158**	
			A3A13B2C1D2E1	
			Needleleaved Evergreen Woodland On Permanently Flooded Land	*permanently flooded open forests; leaf type as indicated;*
46		3	**40159**	
			A3A13B2C1D2E2	
			Needleleaved Deciduous Woodland On Permanently Flooded Land	*permanently flooded open forests; leaf type as indicated;*
47		3	**40162**	
			A3A13B2C2D1E1	
			Broadleaved Evergreen Woodland On Temporarily Flooded Land	*temporarily flooded open forests; leaf type as indicated;*

# Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
48 Closed Shrubs	3	**40176** *A4A12B3C1D1E1* Broadleaved Evergreen Closed Shrubs On Permanently Flooded Land	*permanently flooded closed shrubland; leaf type as indicated;*
49	3	**40177** *A4A12B3C1D1E2* Broadleaved Deciduous Closed Shrubs On Permanently Flooded Land	*permanently flooded closed shrubland; leaf type as indicated;*
50	3	**40179** *A4A12B3C1D2E1* Needleleaved Evergreen Closed Shrubs On Permanently Flooded Land	*permanently flooded closed shrubland; leaf type as indicated;*
51	3	**40180** *A4A12B3C1D2E2* Needleleaved Deciduous Closed Shrubs On Permanently Flooded Land	*permanently flooded closed shrubland; leaf type as indicated;*
52	3	**40183** *A4A12B3C2D1E1* Broadleaved Evergreen Closed Shrubs On Temporarily Flooded Land	*temporarily flooded, closed shrubland; leaf type as indicated;*

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
53	Closed Shrubs	3	**40184** *A4A12B3C2D1E2* Broadleaved Deciduous Closed Shrubs On Temporarily Flooded Land	*temporarily flooded, closed shrubland; leaf type as indicated;*
54		3	**40186** *A4A12B3C2D2E1* Needleleaved Evergreen Closed Shrubs On Temporarily Flooded Land	*temporarily flooded, closed shrubland; leaf type as indicated;*
55		3	**40187** *A4A12B3C2D2E2* Needleleaved Deciduous Closed Shrubs On Temporarily Flooded Land	*temporarily flooded, closed shrubland; leaf type as indicated;*

#	Structural Domain	Level	Map Code	User's Label
			Classifiers	
			Land Cover Class	
56	Open Shrubs	3	**40197**	
			A4A13B3C1D1E1	
			Broadleaved Evergreen Open Shrubs On Permanently Flooded Land	*permanently flooded open shrubland; leaf type as indicated;*
57		3	**40198**	
			A4A13B3C1D1E2	
			Broadleaved Deciduous Open Shrubs On Permanently Flooded Land	*permanently flooded open shrubland; leaf type as indicated;*
58		3	**40200**	
			A4A13B3C1D2E1	
			Needleleaved Evergreen Open Shrubs On Permanently Flooded Land	*permanently flooded open shrubland; leaf type as indicated;*
59		3	**40201**	
			A4A13B3C1D2E2	
			Needleleaved Deciduous Open Shrubs On Permanently Flooded Land	*permanently flooded open shrubland; leaf type as indicated;*
60		3	**40204**	
			A4A13B3C2D1E1	
			Broadleaved Evergreen Open Shrubs On Temporarily Flooded Land	*temporarily flooded open shrubland; leaf type as indicated;*

# Structural Domain	Level	Map Code Classifiers Land Cover Class	User's Label
61 Open Shrubs	3	**40205**	
		A4A13B3C2D1E2	
		Broadleaved Deciduous Open Shrubs On Temporarily Flooded Land	*temporarily flooded open shrubland; leaf type as indicated;*
62	3	**40207**	
		A4A13B3C2D2E1	
		Needleleaved Evergreen Open Shrubs On Temporarily Flooded Land	*temporarily flooded open shrubland; leaf type as indicated;*
63	3	**40208**	
		A4A13B3C2D2E2	
		Needleleaved Deciduous Open Shrubs On Temporarily Flooded Land	*temporarily flooded open shrubland; leaf type as indicated;*

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
64	**Mixed Class**	1	**40001 / 40005** *A1A12 / A1A13* Closed Woody Vegetation / Open Woody Vegetation	*closed to open, flooded trees or shrubs; (/ to be replaced by //);*
65		3	**40113 / 40155** *A3A12B2C1D1E1 / A3A13B2C1D1E1* Broadleaved Evergreen Forest On Permanently Flooded Land / Broadleaved Evergreen Woodland On Permanently Flooded Land	*permanently flooded, closed to open forests; leaf type as indicated; (/ to be replaced by //)*
66		3	**40114 / 40156** *A3A12B2C1D1E2 / A3A13B2C1D1E2* Broadleaved Deciduous Forest On Permanently Flooded Land / Broadleaved Deciduous Woodland On Permanently Flooded Land	*permanently flooded, closed to open forests; leaf type as indicated; (/ to be replaced by //)*
67		3	**40116 / 40158** *A3A12B2C1D2E1 / A3A13B2C1D2E1* Needleleaved Evergreen Forest On Permanently Flooded Land / Needleleaved Evergreen Woodland On Permanently Flooded Land	*permanently flooded, closed to open forests; leaf type as indicated; (/ to be replaced by //)*

#	Structural Domain	Level	Map Code	User's Label
			Classifiers	
			Land Cover Class	
68	Mixed Class	3	**40117 / 40159**	
			A3A12B2C1D2E2 / A3A13B2C1D2E2	
			Needleleaved Deciduous Forest On Permanently Flooded Land / Needleleaved Deciduous Woodland On Permanently Flooded Land	*permanently flooded, closed to open forests; leaf type as indicated; (/ to be replaced by //)*
69		3	**40120 / 40162**	
			A3A12B2C2D1E1 / A3A13B2C2D1E1	
			Broadleaved Evergreen Forest On Temporarily Flooded Land / Broadleaved Evergreen Woodland On Temporarily Flooded Land	*temporarily flooded closed to openforests; (/ to be replaced by //)*
70		3	**40176 / 40197**	
			A4A12B3C1D1E1 / A4A13B3C1D1E1	
			Broadleaved Evergreen Closed Shrubs On Permanently Flooded Land / Broadleaved Evergreen Open Shrubs On Permanently Flooded Land	*permanently flooded, closed to open shrubland; leaf type as indicated; (/ to be replaced by //)*
71		3	**40177 / 40198**	
			A4A12B3C1D1E2 / A4A13B3C1D1E2	
			Broadleaved Deciduous Closed Shrubs On Permanently Flooded Land / Broadleaved Deciduous Open Shrubs On Permanently Flooded Land	*permanently flooded, closed to open shrubland; leaf type as indicated; (/ to be replaced by //)*

#	Structural Domain	Level	Map Code		User's Label
			Classifiers		
			Land Cover Class		
72	Mixed Class	3	**40179 / 40200**		
			A4A12B3C1D2E1 / A4A13B3C1D2E1		
			Needleleaved Evergreen Closed Shrubs On Permanently Flooded Land / Needleleaved Evergreen Open Shrubs On Permanently Flooded Land		*permanently flooded, closed to open shrubland; leaf type as indicated; (/ to be replaced by //)*
73		3	**40180 / 40201**		
			A4A12B3C1D2E2 / A4A13B3C1D2E2		
			Needleleaved Deciduous Closed Shrubs On Permanently Flooded Land / Needleleaved Deciduous Open Shrubs On Permanently Flooded Land		*permanently flooded, closed to open shrubland; leaf type as indicated; (/ to be replaced by //)*
74		3	**40183 / 40204**		
			A4A12B3C2D1E1 / A4A13B3C2D1E1		
			Broadleaved Evergreen Closed Shrubs On Temporarily Flooded Land / Broadleaved Evergreen Open Shrubs On Temporarily Flooded Land		*temporarily flooded, closed to open shrubland; leaf type as indicated; (/ to be replaced by //)*
75		3	**40184 / 40205**		
			A4A12B3C2D1E2 / A4A13B3C2D1E2		
			Broadleaved Deciduous Closed Shrubs On Temporarily Flooded Land / Broadleaved Deciduous Open Shrubs On Temporarily Flooded Land		*temporarily flooded, closed to open shrubland; leaf type as indicated; (/ to be replaced by //)*

#	Structural Domain	Level	Map Code		User's Label
			Classifiers		
			Land Cover Class		
76	Mixed Class	3	**40186 / 40207**		
			A4A12B3C2D2E1 / A4A13B3C2D2E1		
			Needleleaved Evergreen Closed Shrubs On Temporarily Flooded Land / Needleleaved Evergreen Open Shrubs On Temporarily Flooded Land		*temporarily flooded, closed to open shrubland; leaf type as indicated; (/ to be replaced by //)*
77		3	**40187 / 40208**		
			A4A12B3C2D2E2 / A4A13B3C2D2E2		
			Needleleaved Deciduous Closed Shrubs On Temporarily Flooded Land / Needleleaved Deciduous Open Shrubs On Temporarily Flooded Land		*temporarily flooded, closed to open shrubland; leaf type as indicated; (/ to be replaced by //)*
78		4	**40379 / 40406**		
			A2A12B4C1XXXXF1 / A2A13B4C1XXXXF1		
			Closed Herbaceous Vegetation On Permanently Flooded Land / Open Herbaceous Vegetation On Permanently Flooded Land		*permanently flooded, closed to open grassland; (/ to be replaced by //)*
79		4	**40380 / 40407**		
			A2A12B4C1XXXXF2F5F10G2 / A2A13B4C1XXXXF2F5F10G2		
			Closed Herbaceous Vegetation With Emergents On Permanently Flooded Land / Open Herbaceous Vegetation With Emergents On Permanently Flooded Land		*permanently flooded, closed to open grassland with sparse tree cover; (/ to be replaced by //)*

#	Structural Domain	Level	Map Code	User's Label
			Classifiers	
			Land Cover Class	

#	Structural Domain	Level	Map Code / Classifiers / Land Cover Class	User's Label
80	Mixed Class	4	**40381 / 40408**	
			A2A12B4C1XXXXF2F6F10G3 / A2A13B4C1XXXXF2F6F10G3	
			Closed Herbaceous Vegetation With Sparse Shrubs On Permanently Flooded Land / Open Herbaceous Vegetation With Sparse Shrubs On Permanently Flooded Land	*permanently flooded, closed to open grassland with sparse shrub cover; (/ to be replaced by //)*
81		4	**40382 / 40409**	
			A2A12B4C2XXXXF1 / A2A13B4C2XXXXF1	
			Closed Herbaceous Vegetation On Temporarily Flooded Land / Open Herbaceous Vegetation On Temporarily Flooded Land	*temporarily flooded, closed to open grassland (/ to be replaced by //)*
82		4	**40383 / 40410**	
			A2A12B4C2XXXXF2F5F10G2 / A2A13B4C2XXXXF2F5F10G2	
			Closed Herbaceous Vegetation With Emergents On Temporarily Flooded Land / Open Herbaceous Vegetation With Emergents On Temporarily Flooded Land	*temporarily flooded, closed to open grassland with sparse tree cover; (/ to be replaced by //);*
83		4	**40384 / 40411**	
			A2A12B4C2XXXXF2F6F10G3 / A2A13B4C2XXXXF2F6F10G3	
			Closed Herbaceous Vegetation With Sparse Shrubs On Temporarily Flooded Land / Open Herbaceous Vegetation With Sparse Shrubs On Temporarily Flooded Land	*temporarily flooded, closed to open grassland with sparse shrub cover; (/ to be replaced by //)*
84		4	**40385 / 40412**	
			A2A12B4C3XXXXF1 / A2A13B4C3XXXXF1	
			Closed Herbaceous Vegetation On Waterlogged Soil / Open Herbaceous Vegetation On Waterlogged Soil	*waterlogged, open to closed grass cover; (/ to be replaced by //)*

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
85	Mixed Class	4	**40386 / 40413** *A2A12B4C3XXXXF2F5F10G2 / A2A13B4C3XXXXF2F5F10G2* Closed Herbaceous Vegetation With Emergents On Waterlogged Soil / Open Herbaceous Vegetation With Emergents On Waterlogged Soil	*waterlogged, open to closed grass cover with sparse trees; (/ to be replaced by //)*
86		4	**40387 / 40414** *A2A12B4C3XXXXF2F6F10G3 / A2A13B4C3XXXXF2F6F10G3* Closed Herbaceous Vegetation With Sparse Shrubs On Waterlogged Soil / Open Herbaceous Vegetation With Sparse Shrubs On Waterlogged Soil	*waterlogged, open to closed grass cover with sparse shrubs; (/ to be replaced by //)*

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*

Bare Area(s)

#	Structural Domain	Level	Map Code *Classifiers* Land Cover Class	*User's Label*
87	Consolidated Bare Areas	1	**6001** *A1* Consolidated Material(s)	*barren land with consolidated surface*
88		1	**6002** *A3* Bare Rock And/Or Coarse Fragments	*barren land: bare rock*
89		1	**6003** *A4* Hardpans	*barren land: hardpan*

#	Structural Domain	Level	Map Code		User's Label
			Classifiers		
			Land Cover Class		
90	Unconsolidated Bare Areas	1	**6004**		
			A2		
			Unconsolidated Material(s)		*barren land with unconsolidated surface;*
91		1	**6005**		
			A5		
			Bare Soil And/Or Other Unconsolidated Material(s)		*barren land: bare soil;*
92		1	**6006**		
			A6		
			Loose And Shifting Sands		*barren land: sands;*

#	Structural Domain	Level	Map Code	
			Classifiers	
			Land Cover Class	*User's Label*

Natural Waterbodies, Snow and Ice

93 **Natural Waterbodies**	1	**8001**	
		A1	
		Natural Waterbodies	*water; (natural)*

94 **Snow**	1	**8005**	
		A2	
		Snow	*snow; (natural)*

95 **Ice**	1	**8008**	
		A3	
		Ice	*ice; (natural)*