

Contents

Cover	1	CtB—Chatfield-Hollis complex, undulating, very rocky	43
How to Use This Soil Survey	3	CtC—Chatfield-Hollis complex, rolling, very rocky	44
Contents	5	CtD—Chatfield-Hollis complex, hilly, very rocky	45
Foreword	9	CuA—Copake gravelly silt loam, nearly level	46
General Nature of the County	11	CuB—Copake gravelly silt loam, undulating	47
Climate	11	CuC—Copake gravelly silt loam, rolling	48
History and Development	12	CuD—Copake gravelly silt loam, hilly	50
Transportation Facilities	12	CuE—Copake gravelly silt loam, 25 to 45 percent slopes	51
Physiography and Geology	12	CwA—Copake channery silt loam, fan, 0 to 3 percent slopes	51
Drainage	13	CwB—Copake channery silt loam, fan, 3 to 8 percent slopes	52
Water Supply	14	CxB—Copake-Urban land complex, undulating ...	53
How This Survey Was Made	14	DuB—Dutchess silt loam, 3 to 8 percent slopes	54
General Soil Map Units	17	DuC—Dutchess silt loam, 8 to 15 percent slopes	55
Detailed Soil Map Units	25	DuD—Dutchess silt loam, 15 to 25 percent slopes	56
BeB—Bernardston silt loam, 3 to 8 percent slopes	26	DwB—Dutchess-Cardigan complex, undulating, rocky	57
BeC—Bernardston silt loam, 8 to 15 percent slopes	27	DwC—Dutchess-Cardigan complex, rolling, rocky	58
BeD—Bernardston silt loam, 15 to 25 percent slopes	28	DwD—Dutchess-Cardigan complex, hilly, rocky	60
BeE—Bernardston silt loam, 25 to 45 percent slopes	29	DxB—Dutchess-Cardigan-Urban land complex, undulating, rocky	61
BgB—Bernardston-Urban land complex, 3 to 8 percent slopes	30	DxC—Dutchess-Cardigan-Urban land complex, rolling, rocky	62
Ca—Canandaigua silt loam, neutral substratum ..	30	FcB—Farmington-Galway complex, undulating, very rocky	64
Cc—Carlisle muck	31	FcC—Farmington-Galway complex, rolling, very rocky	65
ChB—Charlton loam, 3 to 8 percent slopes	32	FcD—Farmington-Galway complex, hilly, very rocky	66
ChC—Charlton loam, 8 to 15 percent slopes	33	FeE—Farmington-Rock outcrop complex, steep	68
ChD—Charlton loam, 15 to 25 percent slopes	34	Ff—Fluvaquents-Udifluents complex, frequently flooded	68
ChE—Charlton loam, 25 to 45 percent slopes	35		
C1C—Charlton loam, 8 to 15 percent slopes, very stony	36		
C1D—Charlton loam, 15 to 25 percent slopes, very stony	36		
C1E—Charlton loam, 25 to 45 percent slopes, very stony	37		
CrB—Charlton-Chatfield complex, undulating, rocky	38		
CrC—Charlton-Chatfield complex, rolling, rocky	39		
CrD—Charlton-Chatfield complex, hilly, rocky	40		
CrE—Charlton-Chatfield complex, steep, rocky	42		

Fr—Fredon silt loam	69	Hy—Hydraquents and Medisaprists soils, ponded	101
GfB—Galway-Farmington complex, undulating, rocky	70	Kn—Kingsbury and Rhinebeck soils	101
GfC—Galway-Farmington complex, rolling, rocky	72	KrA—Knickerbocker fine sandy loam, nearly level	103
GfD—Galway-Farmington complex, hilly,	73	KrB—Knickerbocker fine sandy loam, undulating	103
GIB—Galway-Farmington-Urban land complex, undulating, rocky	75	KrC—Knickerbocker fine sandy loam, rolling	104
GIC—Galway-Farmington-Urban land complex, . rolling, rocky	76	KrD—Knickerbocker fine sandy loam, hilly	105
GsA—Georgia silt loam, 0 to 3 percent slopes ...	77	KuA—Knickerbocker - Urban land complex, nearly level	106
GsB—Georgia silt loam, 3 to 8 percent slopes ...	78	KuB—Knickerbocker-Urban land complex, undulating	107
GsC—Georgia silt loam, 8 to 15 percent slopes	79	Ln—Linlithgo silt loam	107
Ha—Halsey mucky silt loam	80	Lv—Livingston silty clay loam	108
HeA—Haven loam, nearly level	81	McC—Macomber-Taconic complex, rolling, very rocky	109
HeB—Haven loam, undulating	81	MnA—Massena silt loam, 0 to 3 percent slopes	110
Hf—Haven-Urban land complex	82	MnB—Massena silt loam, 3 to 8 percent slopes	111
HoC—Hollis-Chatfield-Rock outcrop complex, rolling	83	NwB—Nassau-Cardigan complex, undulating, very rocky	112
HoD—Hollis-Chatfield-Rock outcrop complex, hilly	84	NwC—Nassau-Cardigan complex, rolling, very rocky	113
HoE—Hollis-Chatfield-Rock outcrop complex, steep	85	NwD—Nassau-Cardigan complex, hilly, very rocky	115
HoF—Hollis-Chatfield-Rock outcrop complex, very steep	86	NxE—Nassau-Rock outcrop complex, steep ...	116
HsA—Hoosic gravelly loam, nearly level	87	NxF—Nassau-Rock outcrop complex, very steep	117
HsB—Hoosic gravelly loam, undulating	88	Pc—Palms muck	117
HsC—Hoosic gravelly loam, rolling	89	Pg—Pawling silt loam	118
HsD—Hoosic gravelly loam, hilly	90	Ps—Pits, gravel	119
HsE—Hoosic gravelly loam, 25 to 45 percent slopes	91	Pu—Pits, quarry	119
HtA—Hoosic channery loam, fan, 0 to 3 percent slopes	92	PwB—Pittstown silt loam, 3 to 8 percent slopes	119
HtB—Hoosic channery loam, fan, 3 to 8 percent slopes	93	PwC—Pittstown silt loam, 8 to 15 percent slopes	120
HuA—Hoosic-Urban land complex, nearly level ..	94	PzA—Punsit silt loam, 0 to 3 percent slopes	121
HuB—Hoosic-Urban land complex, undulating	94	PzB—Punsit silt loam, 3 to 8 percent slopes	122
HvB—Hudson and Vergennes soils, 3 to 8 percent slopes	95	Ra—Raynham silt loam	123
HvC—Hudson and Vergennes soils, 8 to 15 percent slopes	97	Sc—Scio silt loam	124
HvD—Hudson and Vergennes soils, hilly	98	SkB—Stockbridge silt loam, 3 to 8 percent slopes	125
HvE—Hudson and Vergennes soils, steep	99		

SkC—Stockbridge silt loam, 8 to 15 percent slopes	126	Canandaigua Series	164
SkD—Stockbridge silt loam, 15 to 25 percent slopes	128	Cardigan Series	165
SkE—Stockbridge silt loam, 25 to 45 percent slopes	129	Carlisle Series	165
SmB—Stockbridge-Farmington complex, undulating, rocky	129	Charlton Series	166
SmC—Stockbridge-Farmington complex, rolling, rocky	131	Chatfield Series	167
SmD—Stockbridge-Farmington complex, hilly, rocky	132	Copake Series	167
SrB—Stockbridge-Urban land complex, 3 to 8 percent slopes	133	Dutchess Series	168
Su—Sun silt loam	134	Farmington Series	169
TmD—Taconic-Macomber-Rock outcrop complex, hilly	135	Fluvaquents	169
TrE—Taconic-Rock outcrop complex, steep	136	Fredon Series	170
TrF—Taconic-Rock outcrop complex, very steep	137	Galway Series	170
Ud-Udorthents, smoothed	138	Georgia Series	171
Ue—Udorthents, wet substratum	138	Halsey Series	172
UnB—Unadilla silt loam, undulating	138	Haven Series	172
Ur—Urban land	139	Hollis Series	173
We—Wappinger loam	139	Hoosic Series	174
Wy—Wayland silt loam	140	Hudson Series	175
Prime Farmland	143	Hydraquents	175
Use and Management of the Soils	145	Kingsbury Series	176
Crops and Pasture	145	Knickerbocker Series	177
Woodland Management and Productivity	147	Linlithgo Series	177
Recreation	149	Livingston Series	178
Wildlife Habitat	150	Macomber Series	178
Engineering	151	Massena Series	179
Building Site Development	151	Medisaprists	180
Sanitary Facilities	153	Nassau Series	180
Construction Materials	154	Palms Series	181
Water Management	155	Pawling Series	181
Soil Properties	157	Pittstown Series	182
Engineering Index Properties	157	Punsit Series	183
Physical and Chemical Properties	158	Raynham Series	183
Soil and Water Features	159	Rhinebeck Series	184
Engineering Properties of Geologic Deposits	160	Scio Series	185
Classification of the Soils	163	Stockbridge Series	185
Soil Series and Their Morphology	163	Sun Series	186
Bernardston Series	163	Taconic Series	187
		Udifluents	187
		Udorthents	188
		Unadilla Series	188
		Vergennes Series	189
		Wappinger Series	190
		Wayland Series	190
		Formation of the Soils	193
		References	197
		Glossary	199