

## APPENDIX K

APPROXIMATE PERCENTAGE OF MAPPED SOILS UNDERLYING NATION LANDS

FARMLAND SOILS LOCATED IN MADISON COUNTY ON NATION LANDS

FARMLAND SOILS LOCATED IN ONEIDA COUNTY ON NATION LANDS

GROUP 1 LANDS UTILIZED FOR LIVESTOCK OR CROPS

GROUP 2 LANDS UTILIZED FOR LIVESTOCK OR CROPS

GROUP 3 LANDS UTILIZED FOR LIVESTOCK OR CROPS

PHASE II ESAs CONDUCTED ON NATION PARCELS

PHASE II SITE STATUS REVIEW AND CONCLUSIONS/RECOMMENDATIONS

**Table K-1**  
**Approximate Percentage of Mapped Soils Underlying Nation Lands**

Map symbol	Soil Type	Percent Slope	Hydric	Erosion Hazard	Acres of Nation Lands	Percentage of Nation Lands
212	Adrian muck		Yes	Very Severe	14.84	0.09
AL	Alluvial land		Yes	Slight	41.49	0.24
350B	Alton gravelly loam	3 to 8 percent slopes	No	Slight-Moderate	43.57	0.25
AoA	Appleton loam	0 to 3 percent slopes	No	Slight	156.1	0.9
AoB	Appleton loam	3 to 8 percent slopes	No	Slight	60.64	0.35
372A	Appleton silt loam	0 to 3 percent slopes	No	Slight	1231.86	7.09
372B	Appleton silt loam	3 to 8 percent slopes	No	Slight-Moderate	234.66	1.35
78A	Arkport fine sandy loam	0 to 3 percent slopes	No	Slight	6.08	0.04
78B	Arkport fine sandy loam	3 to 8 percent slopes	No	Slight-Moderate	27.3	0.16
78C	Arkport fine sandy loam	8 to 15 percent slopes	No	Slight-Severe	5.14	0.03
ArB	Arkport fine sandy loam	3 to 8 percent slope	No	Slight-Moderate	1.37	0.01
ArC	Arkport fine sandy loam	8 to 15 percent slope	No	Slight-Severe	12.08	0.07
ArD	Arkport fine sandy loam	15 to 25 percent slope	No	Moderate-Severe	4.46	0.03
565B	Aurora silt loam	3 to 8 percent slopes	No	Slight-Moderate	74.09	0.43
AuB	Aurora silt loam	3 to 8 percent slopes	No	Slight-Moderate	16.18	0.09
CaB	Camillus silt loam	3 to 8 percent slopes	No	Slight-Moderate	3.46	0.02
CaC	Camillus silt loam	8 to 15 percent slope	No	Slight-Severe	35.02	0.2
72	Canandaigua silt loam		Yes	Slight	1028.03	5.92
Cd	Canandaigua silt loam		Yes	Slight	111.33	0.64
Ce	Carlisle muck		Yes	Not rated	8.3	0.05
109B	Cazenovia silt loam	3 to 8 percent slopes	No	Slight-Moderate	150.21	0.86
109C	Cazenovia silt loam	8 to 15 percent slopes	No	Slight-Severe	33.13	0.19
CfB	Cazenovia silt loam	3 to 8 percent slope	No	Slight-Moderate	264.19	1.52
CfC	Cazenovia silt loam	8 to 15 percent slope	No	Slight-Severe	360.97	2.08
CfC3	Cazenovia silt loam	8 to 15 percent slope	No	Slight-Severe	58.72	0.34
CfD	Cazenovia silt loam	15 to 25 percent slope	No	Moderate-Severe	229.74	1.32
115C	Chadakoin silt loam	8 to 15 percent slopes	No	Slight-Severe	10.8	0.06
CkA	Collamer silt loam	0 to 3 percent slopes	No	Slight	2.91	0.02
CkB	Collamer silt loam	3 to 8 percent slopes	No	Slight-Moderate	41.93	0.24
77C	Collamer silt loam	8 to 15 percent slopes	No	Moderate-Severe	0.5	0
CkC	Collamer silt loam	8 to 15 percent slopes	No	Moderate-Severe	33.18	0.19
CkD	Collamer silt loam	15 to 25 percent slope	No	Moderate-Severe	30.33	0.17

81A	Covert loamy sand	0 to 3 percent slopes	No	Slight	109.66	0.63
CFL	Cut and fill land		No	Not rated	4.29	0.02
Ed	Edwards muck		Yes	Not rated	0.08	0
EIA	Elmwood fine sandy loam	0 to 3 percent slopes	No	Slight	17.74	0.1
EIB	Elmwood fine sandy loam	3 to 8 percent slopes	No	Slight-Moderate	14.34	0.08
En	Elnora loamy fine sand		No	Slight	4.97	0.03
FaB	Farmington cherty silt loam	3 to 8 percent slopes	No	Slight-Moderate	22.18	0.13
152B	Farmington silt loam	2 to 8 percent slopes	No	Slight-Moderate	13.04	0.08
FHF	Farmington-Rock outcrop complex		No	Severe-Very Severe	25.13	0.14
FGC	Farmington-Wassaic-Rock outcrop complex		No	Not rated	47.33	0.27
Fo	Fonda mucky silt loam		Yes	Slight	18.25	0.11
30	Fredon gravelly silt loam		Yes	Slight	5.92	0.03
Fr	Fredon silt loam		No	Slight	91.21	0.53
GaA	Galen very fine sandy loam	0 to 3 percent slopes	No	Slight	9.01	0.05
GaB	Galen very fine sandy loam	3 to 8 percent slopes	No	Slight-Moderate	27.43	0.16
515A	Galway silt loam	0 to 3 percent slopes	No	Slight	50.09	0.29
515B	Galway silt loam	3 to 8 percent slopes	No	Slight-Moderate	19.87	0.11
GP	Gravel pits		No	Not rated	4.12	0.02
267B	Greene silt loam	3 to 8 percent slopes	No	Not rated	0.05	0
2	Hamlin silt loam		No	Slight	0.21	0
Hb	Hamlin silt loam		No	Slight	10.39	0.06
HIA	Hilton loam	0 to 3 percent slopes	No	Slight	29.25	0.17
HIB	Hilton loam	3 to 8 percent slopes	No	Slight-Moderate	47.76	0.27
104E	Honeoye and Cazenovia soils	25 to 45 percent slopes	No	Not rated	0.61	0
102B	Honeoye silt loam	3 to 8 percent slopes	No	Slight-Moderate	647.81	3.73
102C	Honeoye silt loam	8 to 15 percent slopes	No	Slight-Severe	79.76	0.46
HnB	Honeoye silt loam	3 to 8 percent slopes	No	Slight-Moderate	747.48	4.3
HnC	Honeoye silt loam	8 to 15 percent slopes	No	Slight-Severe	424.52	2.44
HnD	Honeoye silt loam	15 to 25 percent slope	No	Moderate-Severe	145.52	0.84
HnE	Honeoye silt loam	25 to 50 percent slope	No	Severe	22.82	0.13
HOE	Honeoye-Farmington complex		No	Severe	72	0.41
HwB	Howard fine sandy loam		No	Slight-Moderate	9.98	0.06
24A	Howard gravelly loam	0 to 3 percent slopes	No	Slight	47.38	0.27
24B	Howard gravelly loam	3 to 8 percent slopes	No	Slight	29.18	0.17

24C	Howard gravelly loam	8 to 15 percent slopes	No	Slight-Moderate	2.97	0.02
HxB	Howard gravelly silt loam		No	Slight-Moderate	1.46	0.01
43	Jebavy sand		Yes	Slight	19.35	0.11
136A	Kendaia silt loam	0 to 3 percent slopes	No	Slight	383.09	2.21
136B	Kendaia silt loam	3 to 8 percent slopes	No	Slight-Moderate	127.54	0.73
39A	Knickerbocker fine sandy loam	0 to 3 percent slopes	No	Slight	1.11	0.01
156E	Lairdsville silt loam	25 to 45 percent slopes	No	Severe	7.23	0.04
LaB	Lairdsville silt loam	3 to 8 percent slopes	No	Slight-Moderate	30.59	0.18
LbC	Lairdsville silty clay loam	8 to 15 percent slopes	No	Moderate-Severe	28.02	0.16
LbD3	Lairdsville silty clay loam	15 to 25 percent slope	No	Moderate-Severe	22.76	0.13
LbE3	Lairdsville silty clay loam	25 to 40 percent slopes	No	Severe	58.25	0.34
Lk	Lakemont silt loam		Yes	Slight	66.32	0.38
75	Lamson fine sandy loam		Yes	Slight	384.02	2.21
Lm	Lamson very fine sandy loam		Yes	Slight	2.43	0.01
126A	Lima silt loam	0 to 3 percent slopes	No	Slight	1384.64	7.97
126B	Lima silt loam	3 to 8 percent slopes	No	Slight-Moderate	1132.2	6.52
LtA	Lima silt loam	0 to 3 percent slopes	No	Slight	135.88	0.78
LtB	Lima silt loam	3 to 8 percent slopes	No	Slight-Moderate	331.32	1.91
LtC	Lima silt loam	8 to 15 percent slopes	No	Slight-Severe	9.91	0.06
LuC	Lima very stony silt loam		No	Slight-Severe	20.38	0.12
LvA	Lockport silt loam	0 to 3 percent slopes	No	Slight	11.86	0.07
LwC	Lordstown channery silt loam	8 to 15 percent slopes	No	Slight-Severe	0.33	0
146	Lyons silt loam		Yes	Slight	368.75	2.12
Ly	Lyons silt loam		Yes	Slight	58.48	0.34
ML	Made land		No	Not rated	8.53	0.05
461	Marcy silt loam		Yes	Slight	4.37	0.03
750B	Minoa fine sandy loam	0 to 6 percent slopes	No	Slight-Moderate	673.18	3.88
Mt	Minoa very fine sandy loam		No	Slight	35.15	0.2
76	Niagara silt loam		No	Slight	1253.51	7.22
NgA	Niagara silt loam	0 to 3 percent slopes	No	Slight	97.35	0.56
NgB	Niagara silt loam	3 to 8 percent slopes	No	Slight-Moderate	21.62	0.12
Od	Odessa silt loam		No	Slight	268.47	1.55
OnB	Ontario variant loam	3 to 8 percent slopes	No	Slight-Moderate	0.96	0.01
OnC	Ontario variant loam	8 to 15 percent slopes	No	Slight-Moderate	13.52	0.08
10	Otego loam		No	Slight	60.14	0.35
260A	Ovid silt loam	0 to 3 percent slopes	No	Slight	1.12	0.01

260B	Ovid silt loam	3 to 8 percent slopes	No	Slight-Moderate	4.02	0.02
OvA	Ovid silt loam	0 to 3 percent slopes	No	Slight	7.89	0.05
OvB	Ovid silt loam	3 to 8 percent slopes	No	Slight-Moderate	12.15	0.07
395	Palms muck		Yes	Not rated	235.11	1.35
Pb	Palms muck		Yes	Not rated	27.22	0.16
PME	Palmyra and Howard soils		No	Moderate	15.49	0.09
PMF	Palmyra and Howard soils		No	Severe-Very Severe	49.5	0.28
PgA	Palmyra gravelly loam	0 to 3 percent slopes	No	Slight	29.26	0.17
PgB	Palmyra gravelly loam		No	Slight-Moderate	133.79	0.77
PgC	Palmyra gravelly loam		No	Slight-Moderate	45.92	0.26
PgD	Palmyra gravelly loam		No	Moderate-Severe	27.41	0.16
PhB	Palmyra gravelly silt loam		No	Slight-Moderate	200.79	1.16
PKC	Palmyra-Arkport complex		No	Slight-Severe	46.24	0.27
PKD	Palmyra-Arkport complex		No	Moderate-Severe	18.16	0.1
PKE	Palmyra-Arkport complex		No	Moderate-Severe	17.28	0.1
PpA	Phelps gravelly silt loam	0 to 3 percent slopes	No	Slight	11.74	0.07
PpB	Phelps gravelly silt loam	3 to 8 percent slopes	No	Slight-Severe	2.96	0.02
28A	Phelps silt loam	0 to 3 percent slopes	No	Slight	18.27	0.11
28B	Phelps silt loam	3 to 8 percent slopes	No	Slight-Moderate	30.48	0.18
20	Pits		No	Not rated	7.71	0.04
Ra	Raynham silt loam		No	Slight	27.86	0.16
64A	Rhinebeck silt loam	0 to 3 percent slopes	No	Slight	570.7	3.29
64B	Rhinebeck silt loam	3 to 8 percent slopes	No	Slight-Moderate	16.68	0.1
61A	Schoharie silt loam	0 to 3 percent slopes	No	Slight	20.19	0.12
ScB	Schoharie silt loam	3 to 8 percent slope	No	Slight-Moderate	367.25	2.11
SdC	Schoharie silty clay loam		No	Moderate-Severe	146.54	0.84
SdD3	Schoharie silty clay loam		No	Moderate-Severe	32.62	0.19
SEE	Schoharie-Cazenovia complex		No	Severe	226.95	1.31
47A	Scio silt loam	0 to 3 percent slopes	No	Slight	7.32	0.04
Sw	Swanton fine sandy loam		No	Slight	86.07	0.5
Te	Teel silt loam		No	Slight	125.84	0.72
1	Udfluvents-Fluvaquents complex		Yes	Slight	22.21	0.13
22	Udorthents		No	Slight	39.45	0.23
35B	Unadilla silt loam	3 to 8 percent slopes	No	Slight-Moderate	22.92	0.13

Ad	Undefined				14.16	0.08
4	Wakeville silt loam		No	Slight	19.38	0.11
63A	Wallington very fine sandy loam	0 to 3 percent slopes	No	Slight	3.3	0.02
Wa	Walkill silt loam		Yes	Slight	35.59	0.2
WeA	Wampsville gravelly silt loam		No	Slight	0.65	0
WeB	Wampsville gravelly silt		No	Slight-Moderate	11.99	0.07
50	Wareham loamy fine sand		Yes	Slight	23.89	0.14
Wk	Warners mucky silt loam		No	Slight	17.62	0.1
WmA	Wassaic silt loam	0 to 3 percent slopes	No	Slight	1.14	0.01
WmB	Wassaic silt loam	3 to 8 percent slopes	No	Slight-Moderate	73.69	0.42
WmC	Wassaic silt loam	8 to 15 percent slopes	No	Slight-Severe	36.55	0.21
W	Water		No	Not rated	34.91	0.2
7	Wayland silt loam		Yes	Slight	81.53	0.47
Wn	Wayland silt loam		Yes	Slight	100.71	0.58
Wv	Weaver silt loam		No	Slight	77.23	0.44
9	Wenonah loam		No	Slight	14.53	0.08
Ww	Willette muck		Yes	Not rated	1.11	0.01
90B	Windsor loamy fine sand	3 to 8 percent slopes	No	Slight-Moderate	9.23	0.05

Source: United States Department of Agriculture(USDA)–Natural Resource Conservation Service (NRCS) Soil Data Mart.

**Table K-2**  
**Farmland Soils located in Madison County on Nation Lands**

<b>Soil Type</b>	<b>Characteristics</b>	<b>Prime Farmland</b>	<b>Prime Farmland - if drained</b>	<b>Farmland of Statewide Importance</b>	<b>Acres of OIN Properties</b>
Appleton loam	0 to 3 percent slopes	No	Yes	No	155.98
Appleton loam	3 to 8 percent slopes	No	Yes	No	60.59
Arkport fine sandy loam	undulating	Yes	No	No	1.37
Arkport fine sandy loam	rolling	No	No	Yes	12.07
Aurora silt loam	3 to 8 percent slopes	No	No	Yes	16.17
Camillus silt loam	3 to 8 percent slopes	No	No	Yes	3.46
Camillus silt loam	8 to 15 percent slope	No	No	Yes	34.99
Canandaigua silt loam		No	No	Yes	111.25
Cazenovia silt loam	3 to 8 percent slope	Yes	No	No	263.99
Cazenovia silt loam	8 to 15 percent slope	No	No	Yes	360.70
Collamer silt loam	0 to 3 percent slopes	Yes	No	No	2.90
Collamer silt loam	3 to 8 percent slopes	Yes	No	No	41.90
Collamer silt loam	rolling	No	No	Yes	33.16
Elmwood fine sandy loam	0 to 3 percent slopes	Yes	No	No	17.73
Elmwood fine sandy loam	3 to 8 percent slopes	Yes	No	No	14.33
Elnora loamy fine sand		Yes	No	No	4.97
Farmington cherty silt loam	3 to 8 percent slopes	No	No	Yes	22.16
Fredon silt loam		No	Yes	No	91.14
Galen very fine sandy loam	0 to 3 percent slopes	Yes	No	No	9.00
Galen very fine sandy loam	3 to 8 percent slopes	Yes	No	No	27.41
Hamlin silt loam		Yes	No	No	10.38
Hilton loam	0 to 3 percent slopes	Yes	No	No	29.23
Hilton loam	3 to 8 percent slopes	Yes	No	No	47.72
Honeoye silt loam	3 to 8 percent slopes	Yes	No	No	746.90
Honeoye silt loam	8 to 15 percent slopes	No	No	Yes	424.20
Howard fine sandy loam	undulating	Yes	No	No	9.97
Howard gravelly silt loam	undulating	Yes	No	No	1.46
Lairdsville silt loam	3 to 8 percent slopes	No	No	Yes	30.57
Lairdsville silty clay loam	8 to 15 percent slopes	No	No	Yes	28.00
Lakemont silt loam		No	No	Yes	66.27
Lima silt loam	0 to 3 percent slopes	Yes	No	No	135.78
Lima silt loam	3 to 8 percent slopes	Yes	No	No	331.07
Lima silt loam	8 to 15 percent slopes	No	No	Yes	9.90
Lockport silt loam	0 to 3 percent slopes	No	No	Yes	11.85
Lordstown channery silt loam	8 to 15 percent slopes	No	No	Yes	0.33
Minoa very fine sandy loam		No	Yes	No	35.12
Niagara silt loam	0 to 3 percent slopes	No	Yes	No	97.28
Niagara silt loam	3 to 8 percent slopes	No	Yes	No	21.61
Odessa silt loam		No	Yes	No	268.28
Ontario variant loam	3 to 8 percent slopes	Yes	No	No	0.96
Ontario variant loam	8 to 15 percent slopes	No	No	Yes	13.51
Ovid silt loam	0 to 3 percent slopes	No	Yes	No	7.88
Ovid silt loam	3 to 8 percent slopes	No	Yes	No	12.14
Palmyra gravelly loam	0 to 3 percent slopes	Yes	No	No	29.23
Palmyra gravelly loam	undulating	Yes	No	No	133.69
Palmyra gravelly loam	rolling	No	No	Yes	45.88
Palmyra gravelly silt loam	fan, 3 to 8 percent slopes	Yes	No	No	200.63
Palmyra-Arkport complex	rolling	No	No	Yes	46.20
Phelps gravelly silt loam	0 to 3 percent slopes	Yes	No	No	11.73
Phelps gravelly silt loam	3 to 8 percent slopes	Yes	No	No	2.96
Raynham silt loam		No	Yes	No	27.84
Schoharie silt loam	3 to 8 percent slope	Yes	No	No	366.97
Schoharie silty clay loam	rolling	No	No	Yes	146.43
Swanton fine sandy loam		No	Yes	No	86.01
Teel silt loam		Yes	No	No	125.75
Wampsville gravelly silt	nearly level	Yes	No	No	0.65
Wampsville gravelly silt	undulating	Yes	No	No	11.98
Wassaic silt loam	0 to 3 percent slopes	Yes	No	No	1.14
Wassaic silt loam	3 to 8 percent slopes	Yes	No	No	73.63
Wassaic silt loam	8 to 15 percent slopes	No	No	Yes	36.52
Weaver silt loam		Yes	No	No	77.18

Source: U.S. Department of Agriculture, 2006b.

**Table K-3**  
**Farmland Soils Located in Oneida County on Nation Lands**

<b>Soil Type</b>	<b>Characteristics</b>	<b>Prime Farmland</b>	<b>Prime Farmland - if drained</b>	<b>Farmland of Statewide Importance</b>	<b>Acres of OIN Properties</b>
Alton gravelly loam	3 to 8 percent slopes	Yes	No	No	43.54
Appleton silt loam	0 to 3 percent slopes	No	Yes	No	1230.92
Appleton silt loam	3 to 8 percent slopes	No	Yes	No	234.48
Arkport fine sandy loam	0 to 3 percent slopes	Yes	No	No	6.07
Arkport fine sandy loam	3 to 8 percent slopes	Yes	No	No	27.28
Arkport fine sandy loam	8 to 15 percent slopes	No	No	Yes	5.14
Aurora silt loam	3 to 8 percent slopes	No	No	Yes	74.03
Canandaigua silt loam		No	No	Yes	1027.25
Cazenovia silt loam	3 to 8 percent slopes	Yes	No	No	150.10
Cazenovia silt loam	8 to 15 percent slopes	No	No	Yes	33.10
Chadakoin silt loam	8 to 15 percent slopes	No	No	Yes	10.79
Collamer silt loam	8 to 15 percent slopes	No	No	Yes	0.50
Farmington silt loam	2 to 8 percent slopes	No	No	Yes	13.03
Fredon gravelly silt loam		No	Yes	No	5.91
Galway silt loam	0 to 3 percent slopes	Yes	No	No	50.05
Galway silt loam	3 to 8 percent slopes	Yes	No	No	19.85
Greene silt loam	3 to 8 percent slopes	No	Yes	No	0.05
Hamlin silt loam		Yes	No	No	0.21
Honeoye silt loam	3 to 8 percent slopes	Yes	No	No	647.29
Honeoye silt loam	8 to 15 percent slopes	No	No	Yes	79.70
Howard gravelly loam	0 to 3 percent slopes	Yes	No	No	47.34
Howard gravelly loam	3 to 8 percent slopes	Yes	No	No	29.16
Howard gravelly loam	8 to 15 percent slopes	No	No	Yes	2.97
Kendaia silt loam	0 to 3 percent slopes	No	Yes	No	382.78
Kendaia silt loam	3 to 8 percent slopes	No	Yes	No	127.44
Knickerbocker fine sandy loam	0 to 3 percent slopes	Yes	No	No	1.11
Lamson fine sandy loam		No	No	Yes	383.73
Lima silt loam	0 to 3 percent slopes	Yes	No	No	1231.68
Lima silt loam	3 to 8 percent slopes	Yes	No	No	1131.30
Marcy silt loam		No	No	Yes	4.36
Minoa fine sandy loam	0 to 6 percent slopes	No	Yes	No	672.68
Niagara silt loam		No	Yes	No	1252.57
Otego loam		Yes	No	No	60.10
Ovid silt loam	0 to 3 percent slopes	No	Yes	No	1.12
Ovid silt loam	3 to 8 percent slopes	No	Yes	No	4.01
Phelps silt loam	0 to 3 percent slopes	Yes	No	No	18.25
Phelps silt loam	3 to 8 percent slopes	Yes	No	No	30.46
Rhinebeck silt loam	0 to 3 percent slopes	No	Yes	No	570.29
Rhinebeck silt loam	3 to 8 percent slopes	No	Yes	No	16.67
Schoharie silt loam	0 to 3 percent slopes	Yes	No	No	20.18
Scio silt loam	0 to 3 percent slopes	Yes	No	No	7.32
Unadilla silt loam	3 to 8 percent slopes	Yes	No	No	22.90
Wakeville silt loam		No	Yes	No	19.37
Wallington very fine sandy loam	0 to 3 percent slopes	No	Yes	No	3.30
Wareham loamy fine sand		No	No	Yes	23.87
Wenonah loam		Yes	No	No	14.52
Windsor loamy fine sand	3 to 8 percent slopes	No	No	Yes	9.22

Source: U.S. Department of Agriculture, 2006b.



**Table K-4**  
**Group 1 Lands Utilized for Livestock or Crops**

Parcel ID	Livestock Usage	Crop Usage	Acreage
41	No	Yes	157.059
101	No	Yes	20.832
110	No	Yes	31.898
114	No	Yes	142.284
115	No	Yes	42.542
116	No	Yes	58.78
117	No	Yes	126.564
118	No	Yes	52.579
118	No	Yes	106.508
118	No	Yes	89.99
119	No	Yes	63.373
190	No	Yes	34.723
190	No	Yes	131.23
201	No	Yes	82.683
279	No	Yes	108.53
295	No	Yes	0.775
Total Acreage for Livestock Usage			0
Total Acreage for Crop Usage			1250.350

Source: Nation, 2006.

**Table K-5**  
**Group 2 Lands Utilized for Livestock or Crops**

<b>Parcel ID</b>	<b>Livestock Usage</b>	<b>Crop Usage</b>	<b>Acreage</b>
2	Yes	No	42
23	Yes	No	250.159
24	Yes	Yes	167.518
25	Yes	No	39.901
30	No	Yes	75.604
31	Yes	No	156.377
49	No	Yes	170.968
53	No	Yes	21.22
60	No	Yes	26.907
61	No	Yes	19.54
62	No	Yes	10.164
63	No	Yes	80.319
99	No	Yes	30.09
121	Yes	Yes	329.764
126	No	Yes	51.545
127	Yes	Yes	165.879
128	Yes	No	4.3
128	Yes	No	19.96
128	Yes	No	70.116
128	Yes	No	51.16
129	No	Yes	1.83
129	No	Yes	12.52
137	Yes	Yes	9.6
137	No	Yes	173.224
137	Yes	No	1.49
147	Yes	No	131.76
178	Yes	No	6.002
207	Yes	No	1.25
208	Yes	Yes	15.575
209	No	Yes	8.43
227	Yes	No	43.222
268	Yes	No	5
268	Yes	No	54.394
268	Yes	No	159.96
268	Yes	No	21
268	Yes	No	11.386
271	No	Yes	15.931
286	No	Yes	20.93
291	No	Yes	116.243
322	No	Yes	87.405
325	No	Yes	19.35
325	No	Yes	184.35
325	No	Yes	42.1
Total Acreage for Livestock Usage			1069.437
Total Acreage for Crop Usage			1168.670
Total Acreage for Both Usage			688.336

Source: Nation, 2006.

**Table K-6**  
**Group 3 Lands Utilized for Livestock or Crops**

Parcel ID	Livestock Usage	Crop Usage	Acreage
17	No	Yes	248.963
20	No	Yes	5.21
22	No	Yes	80.516
26	Yes	No	197.434
27	Yes	No	68.556
28	Yes	No	102.703
35	Yes	No	62.403
42	No	Yes	40.001
52	Yes	No	204.802
130	No	Yes	129.91
131	No	Yes	103.89
131	No	Yes	220.761
132	Yes	Yes	66.507
133	No	Yes	11.469
134	Yes	Yes	17.58
135	No	Yes	92.663
136	No	Yes	81.761
151	Yes	No	62.386
152	Yes	Yes	0.5
152	No	Yes	40.29
152	No	Yes	80.177
152	No	Yes	2.237
153	Yes	Yes	59.869
155	Yes	No	1.14
166	No	Yes	31.27
166	No	Yes	117.14
167	No	Yes	66.176
167	Yes	Yes	3.93
168	Yes	Yes	125.14
168	No	Yes	29.67
168	No	Yes	27.67
168	Yes	No	73.727
168	No	Yes	36.6
168	No	Yes	84.136
168	No	Yes	40.543
168	No	Yes	9.679
168	No	Yes	5.31
169	Yes	Yes	105.838
171	Yes	Yes	279.847
171	No	Yes	87.46
171	No	Yes	42.47
171	No	Yes	97.93
171	No	Yes	88.89
172	No	Yes	129.685
172	No	Yes	128.18
173	No	Yes	98.582
174	No	Yes	40.186
184	No	Yes	12.03
184	No	Yes	85.526
185	No	Yes	60.79
185	No	Yes	66.87
185	No	Yes	4.9
191	No	Yes	12.588
196	Yes	No	0.918
200	Yes	No	128.243
206	Yes	No	7
206	Yes	No	193.382
210	Yes	Yes	125.773
211	Yes	Yes	139.45
Total Acreage for Livestock Usage			1102.694
Total Acreage for Crop Usage			2542.129
Total Acreage for Both Usage			924.434

Source: Nation, 2006.

**Table K-6**  
**Group 3 Nation Lands Utilized for Livestock or Crops**  
**(Continued)**

Parcel ID	Livestock Usage	Tax ID	Acreage
212	Yes	Yes	110.63
213	Yes	No	90.466
214	No	Yes	61.822
220	No	Yes	157.8
221	No	Yes	121.014
222	No	Yes	37.3
223	No	Yes	193.512
224	No	Yes	10.013
225	No	Yes	59.599
228	No	Yes	282.561
235	No	Yes	17.09
239	No	Yes	86.09
239	No	Yes	70
239	No	Yes	40.04
239	No	Yes	88.62
282	No	Yes	142.913
283	Yes	Yes	10
291	No	Yes	23.96
291	No	Yes	10.15
291	No	Yes	4.92
291	No	Yes	3.9
304	No	Yes	120.594
304	No	Yes	81.779
309	No	Yes	3.087
310	No	Yes	183.07
310	No	Yes	77.101
310	No	Yes	118.72
310	No	Yes	62.006
315	Yes	Yes	169.665
315	Yes	Yes	81.075
317	No	Yes	22.236
Grand Total Acreage for Livestock Usage			1193.16
Grand Total Acreage for Crop Usage			4622.026
Grand Total Acreage for Both Usage			1295.804

Source: Nation, 2006.

**Table K-7**  
**Phase II ESAs Conducted on Nation Parcels**

<b>Nation Parcel #</b>	<b>Site Description</b>
2	Former Oneida Petroleum
10	SavOn Gas Station and Convenience Store #15; Patrick Road
76, 79, 80 and 87	SavOn Gas Station and Convenience Store #32; Canastota
82, 83, 84, 92 and 93	Cigs and Tee
95	SavOn Gas Station and Convenience Store #14; Lenox Avenue
125	SavOn Gas Station and Convenience Store #33; Sherrill
141, 144, 145	Marion Manor
219	SavOn Gas Station and Convenience Store #34; Oneida Lake
231	SavOn Gas Station and Convenience Store #35; Plaza Mart
245	SavOn Gas Station and Convenience Store #37; Oneida Mart
249	Former Tire Store
258	SavOn Gas Station and Convenience Store #38; Main Street
302	SavOn Gas Station and Convenience Store #39; Verona
305 and 324	SavOn Gas Station and Convenience Store #36; Beach Mart
308	Former Verona Beach Sales & Service/ Former Darry Lube
326	Mariner's Landing

**Table K-8**  
**Phase II Site Status Review and Conclusions/Recommendations**

<b>Nation Parcel #</b>	<b>Name and Address</b>	<b>Spill Status</b>	<b>Site Categorization</b>	<b>Conclusions and Recommendations</b>
2	Former Oneida Petroleum 2720 West Road (NYS Route 46) Oneida, New York 13421	No evidence of spill during site work. Spill #06-02077 reported on May 25, 2006 based on groundwater lab data.	Closure of spill file as "No Further Action"	Minimal Impacts observed/indicated. No Further Action Recommended.
10	SavOn Gas Station and Convenience Store #15 Patrick Road 5235 Patrick Road (NYS Route 31) Oneida, New York 13421	No evidence of spill during site work. Spill #06-02522 reported on June 6, 2006 based on groundwater lab data.	Closure of spill file as "No Further Action"	Minimal Impacts observed/indicated. No Further Action Recommended.
76, 79, 80, 87	SavOn Gas Station and Convenience Store #32 Canastota 356 North Peterboro Street Canastota, New York 13032	No evidence of spill during site work. Spill #06-02597 reported on June 2, 2006 based on groundwater lab data.	Closure of spill file as "No Further Action"	Minimal Impacts observed/indicated No Further Action Recommended.
82, 83, 84, 92, 93	SavOn Gas Station and Convenience Store #19 Cigs and Tees W. Seneca & Prospect Street Sherrill, New York 13461	Spill #06-01844 reported on May 19, 2006 based on field evidence (product beads in soil sample) Previous spills #92- 03802 and #99-12472.	Further Investigations and /or Remediation	Depth of soil impacts, depth of groundwater, and soil physical characteristics within the contaminated zone indicate that excavation and off-site disposal constitute the optimum remedy. Monitor existing monitoring wells, and add a minimum of two new monitoring wells to facilitate at least one year of quarterly groundwater quality monitoring after remedial excavation work is completed.
95	SavOn Gas Station and Convenience Store #14 Lenox 791 Stone Street Oneida, New York 13421	Spill #06-02078 reported on May 25, 2006 based on groundwater lab data.	Groundwater Monitoring, No Remediation	Establish extent of groundwater plume and install a minimum of three monitoring wells and initiate quarterly groundwater monitoring.

**Table K-8**  
**Phase II Site Status Review and Conclusions/Recommendations**  
**(Continued)**

<b>Nation Parcel #</b>	<b>Name and Address</b>	<b>Spill Status</b>	<b>Site Categorization</b>	<b>Conclusions and Recommendations</b>
125	SavOn Gas Station and Convenience Store #33 Sherrill NYS Route 5 and Sherrill Road Sherrill, New York 13461	No evidence of spill during site work. Spill #06-02410 reported on June 2, 2006 based on soil and groundwater lab data.	Closure of spill file as "No Further Action"	Minimal Impacts observed/indicated. No Further Action Recommended.
141, 144, 145	Marion Manor NYS Route 13 and NYS Route 11 Lenox, New York 13032	No evidence of spill during site work. Spill #06-02523 reported on June 6, 2006 based on soil and groundwater lab data.	Closure of spill file as "Meeting Standards"	Minimal Impacts observed/indicated. No Further Action Recommended.
219	SavOn Gas Station and Convenience Store #34 Oneida Lake NYS Route 13 and NYS Route 11 Lenox, New York 13032	No evidence of spill during site work. #06-02411 reported on June 2, 2006 based on soil and groundwater lab data.	Further Investigations and /or Remediation	Establish extent of soil and groundwater impacts north of tanks/pump island (samples A, D, and F) and best remedial strategy depends on soil physical properties (presence and extent of sand layer below clay, soil organic content).
231	SavOn Gas Station and Convenience Store #35 Plaza Mart 221 Genesee Street (Ames Place) Oneida, New York 13421	Spill #06-01812 reported on May 18, 2006 based on field evidence. Lab data indicates minimal exceedences.	Groundwater Monitoring, No Remediation	Establish extent of groundwater plume and install a minimum of three monitoring wells and initiate quarterly groundwater monitoring.

**Table K-8**  
**Phase II Site Status Review and Conclusions/Recommendations**  
**(Continued)**

<b>Nation Parcel #</b>	<b>Name and Address</b>	<b>Spill Status</b>	<b>Site Categorization</b>	<b>Conclusions and Recommendations</b>
245	SavOn Gas Station and Convenience Store #37 Oneida Mart 1 Lenox Avenue Oneida, New York 13421	Spill #06-02086 reported on May 25, 2006 based on field evidence.	Further Investigations and /or Remediation	This site exhibits gross soil contamination throughout the northeastern corner of the property (approx. 2,000 sq. ft. area) The congestion of this area within a working station would require temporary closing of the station to excavate soil or install an air sparge/vacuum extraction system. If the station cannot be closed, the installation of a minimum of three groundwater monitoring wells and implementation of monitoring program should be implemented.
249	Former Tire Store 321 East Walnut St. Oneida, New York 13421	Spill #06-01977 reported on May 23, 2006 based on field evidence.	Further Investigations and /or Remediation	Chemical oxidation or biological treatment to enhance degradation appears to be applicable to this site after further site characterization is completed. The alternative of excavation/disposal is feasible at this site, but appears not to be needed based on minimal extent of soil impact. Additionally, a minimum of three monitoring wells to establish/track groundwater follow and to monitor remedial work should be installed. Groundwater monitoring could be implemented in conjunction with OIN-245 monitoring (across NYS Route 365A)



**Table K-8**  
**Phase II Site Status Review and Conclusions/Recommendations**  
**(Continued)**

258	SavOn Gas Station and Convenience Store #38 Main Street 112 Genesee Street Oneida, New York 13421	Spill #06-02230 reported on May 30, 2006 based on soil lab data. Previous spill #01-60028	Closure of spill file as "No Further Action"	Minimal Impacts observed/indicated. No Further Action Recommended.
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<b>Nation Parcel #</b>	<b>Name and Address</b>	<b>Spill Status</b>	<b>Site Categorization</b>	<b>Conclusions and Recommendations</b>
302	SavOn Gas Station and Convenience Store #39 Verona 5527 NYS Route 31 (corner of NYS Route 365) Verona, New York 13478	No evidence of spill during site work. Spill #06-02524 was reported on June 6, 2006 based on groundwater lab data.	Groundwater Monitoring. No Remediation	Establish extent of groundwater plume and install a minimum of three monitoring wells and initiate quarterly groundwater monitoring.
305, 324	SavOn Gas Station and Convenience Store #36 Beach Mart 6789 NYS Route 13 Verona Beach, New York 13162	No evidence of spill during site work. Spill #06-02619 was reported on June 8, 2006 based on groundwater lab data.	Closure of spill file as "No Further Action"	Minimal Impacts observed/indicated. No Further Action Recommended.
308	Former SavOn Gas Station and Convenience Store & Verona Beach Sales/Service 6789 NYS Route 13 Verona Beach, New York 13162	Spill #06-02139 reported on May 26, 2006 based on field evidence. Previous spills #92-06334 at the site.	Further Investigations and /or Remediation	Extent of soil impacts indicates excavation is not needed since groundwater appears to be the media that requires attention. Recommended chemical oxidation or bio-remediation via injection of microbes and/or nutrients to enhance natural degradation. Propose the installation of a minimum of three monitoring wells to track plume and monitor treatment is recommended
326	Manner's Landing Pioneer Avenue Verona, New York 13308	Spill #06-062138 reported on May 26, 2006 based on field evidence	Further Investigations and /or Remediation	Recommend excavation and off-site disposal of impacted soils within a limited area west of the USTs (estimated at 100 cubic yards) as an effective way to mitigate future groundwater impacts, then install a minimum of three monitoring wells and initiate quarterly monitoring. Alternative of chemical-oxidation or injection of microbes and/or nutrients of enhance natural degradation may be adequate (with monitoring)