



**CARVEL PROPERTY DEVELOPMENT**

**Pine Plains and Milan,  
Dutchess County, New York**

**APPENDIX 8.4 – SITE FAUNA**

**January 11, 2008**

**Prepared for:**

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1155 Avenue of the Americas  
New York, NY 10036  
&  
Landmark Land Company, Inc.  
2817 Crain Highway  
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# **CARVEL PROPERTY DEVELOPMENT**

**Towns of Pine Plains and Milan, Dutchess County, New York**

## **SITE FAUNA**

**PREPARED FOR**

**1133 TACONIC, LLC  
1155 AVENUE OF THE AMERICAS  
NEW YORK, NEW YORK 10036-2711**

**and**

**LANDMARK LAND COMPANY, INC.  
2817 CRAIN HIGHWAY  
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## APPENDIX 8.4 SITE FAUNA

The animals listed below with an asterisk (\*) include those species, which were seen or detected during fieldwork or reported on-site by reliable sources; other species listed have the potential to occur on or adjacent to the project site. A question mark (?) preceding a animal indicates that identification of the species is uncertain.

### AMPHIBIANS

<u>Common Name</u>	<u>Scientific Name</u>
* Jefferson salamander	<i>Ambystoma jeffersonianum</i> SC
* Jefferson-Blue-spotted salamander hybrid complex	<i>Ambystoma jeffersonianum x laterale</i> SC
* Spotted salamander	<i>Ambystoma maculatum</i>
Marbled salamander	<i>Ambystoma opacum</i> SC
* American toad	<i>Bufo americanus</i>
Fowler's toad	<i>Bufo woodhousei fowleri</i>
Dusky salamander	<i>Desmognathus fuscus</i>
* Two-lined salamander	<i>Eurycea bislineata</i>
* Spring peeper	<i>Hyla crucifer</i>
* Gray tree frog	<i>Hyla versicolor</i>
* Eastern newt	<i>Notophthalmus viridescens</i>
* Redback salamander	<i>Plethodon cinereus</i>
Slimy salamander	<i>Plethodon glutinosus</i>
* Bull frog	<i>Rana catesbeiana</i>
* Green frog	<i>Rana clamitans</i>
* Pickerel frog	<i>Rana palustris</i>
* Wood frog	<i>Rana sylvatica</i>

## REPTILES

<u>Common Name</u>	<u>Scientific Name</u>
Northern copperhead	<i>Agkistrodon contortrix mokasen</i>
* Snapping turtle	<i>Chelydra serpentina</i>
* Painted turtle	<i>Chrysemys picta</i>
* Spotted turtle	<i>Clemmys guttata</i> SC
* Wood turtle	<i>Clemmys insculpta</i> SC
Northern ringneck snake	<i>Diadophis punctatus</i>
Black rat snake	<i>Elaphe obsoleta</i>
Eastern hognose snake	<i>Heterodon platirhinos</i> SC
Eastern milk snake	<i>Lampropeltis triangulum</i>
* Northern water snake	<i>Nerodia sipedon</i>
* Northern brown snake	<i>Storeria dekayi</i>
* Northern redbelly snake	<i>Storeria occipitomaculata</i>
* Eastern box turtle	<i>Terrapene carolina</i> SC
* Eastern ribbon snake	<i>Thamnophis sauritus</i>
* Common garter snake	<i>Thamnophis sirtalis</i>

## BIRDS

<u>Common Name</u>	<u>Scientific Name</u>
* Cooper's hawk	<i>Accipiter cooperii</i> SC
Northern goshawk	<i>Accipiter gentilis</i> SC
* Sharp-shinned hawk	<i>Accipiter striatus</i> SC
* Spotted sandpiper	<i>Actitis macularia</i>
* Red-winged blackbird	<i>Agelaius phoeniceus</i>
* Wood duck	<i>Aix sponsa</i>
* Mallard	<i>Anas platyrhynchos</i>
* American black duck	<i>Anas rubripes</i>
* Ruby-throated hummingbird	<i>Archilochus colubris</i>
* Great blue heron	<i>Ardea herodias</i>
Golden eagle	<i>Aquila chrysaetos</i>
* Ring-necked duck	<i>Aythya collaris</i>

**BIRDS (CONTINUED)**

<u>Common Name</u>	<u>Scientific Name</u>
* Tufted titmouse	<i>Baeolophus bicolor</i>
* Cedar waxwing	<i>Bombycilla cedrorum</i>
* Ruffed grouse	<i>Bonasa umbellus</i>
* Canada goose	<i>Branta Canadensis</i>
* Great horned owl	<i>Bubo virginianus</i>
Bufflehead	<i>Bucephala albeola</i>
* Red-tailed hawk	<i>Buteo jamaicensis</i>
* Red-shouldered hawk	<i>Buteo lineatus</i> SC
* Broad-winged hawk	<i>Buteo platypterus</i>
* Green heron	<i>Butorides virescens</i>
Least sandpiper	<i>Calidris minutilla</i>
Common snipe	<i>Capella gallinago</i>
Whip-poor-will	<i>Caprimulgus vociferus</i>
* Northern cardinal	<i>Cardinalis cardinalis</i>
* American goldfinch	<i>Carduelis tristis</i>
* House finch	<i>Carpodacus mexicanus</i>
* Turkey vulture	<i>Cathartes aura</i>
* Veery	<i>Catharus fuscescens</i>
Hermit thrush	<i>Catharus guttatus</i>
Swainson's thrush	<i>Catharus ustulata</i>
* Brown creeper	<i>Certhia familiaris</i>
* Belted kingfisher	<i>Ceryle alcyon</i>
* Chimney swift	<i>Chaetura pelagica</i>
* Killdeer	<i>Charadrius vociferus</i>
* Snow goose	<i>Chen caerulescens</i>
* Marsh wren	<i>Cistothorus palustris</i>
* Yellow-billed cuckoo	<i>Coccyzus americanus</i>
* Black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>
* Northern flicker	<i>Colaptes auratus</i>
* Rock dove	<i>Columbia livia</i>
* Eastern wood-pewee	<i>Contopus virens</i>
* Black vulture	<i>Coragyps atratus</i>
* American crow	<i>Corvus brachyrhynchos</i>
* Common raven	<i>Corvus corax</i>
Fish crow	<i>Corvus ossifragus</i>
* Blue jay	<i>Cyanocitta cristata</i>
* Mute swan	<i>Cygnus olor</i>
Black-throated blue warbler	<i>Dendroica caerulescens</i>
Bay-breasted warbler	<i>Dendroica castanea</i>
* Yellow-rumped warbler	<i>Dendroica coronata</i>
* Prairie warbler	<i>Dendroica discolor</i>
* Blackburnian warbler	<i>Dendroica fusca</i>

**BIRDS (CONTINUED)**

<u>Common Name</u>	<u>Scientific Name</u>
Magnolia warbler	<i>Dendroica magnolia</i>
Palm warbler	<i>Dendroica palmarum</i>
* Chestnut-sided warbler	<i>Dendroica pensylvanica</i>
* Yellow warbler	<i>Dendroica petechia</i>
Blackpoll warbler	<i>Dendroica striata</i>
Cape May warbler	<i>Dendroica tigrina</i>
* Black-throated green warbler	<i>Dendroica virens</i>
Bobolink	<i>Dolichonyx oryzivorus</i>
* Pileated woodpecker	<i>Dryocopus pileatus</i>
* Gray catbird	<i>Dumetella carolinensis</i>
Rusty blackbird	<i>Euphagus carolinus</i>
* Alder flycatcher	<i>Empidonax alnorum</i>
Yellow-bellied flycatcher	<i>Empidonax flaviventris</i>
* Least flycatcher	<i>Empidonax minimus</i>
* Willow flycatcher	<i>Empidonax traillii</i>
* American kestrel	<i>Falco sparverius</i>
* Common yellowthroat	<i>Geothlypis trichas</i>
* Bald eagle	<i>Haliaeetus leucocephalus</i>
* Worm-eating warbler	<i>Helmitheros vermivorus</i>
* Barn swallow	<i>Hirundo rustica</i>
* Wood thrush	<i>Hylocichla mustelina</i>
* Baltimore oriole	<i>Icterus galbula</i>
Least bittern	<i>Ixobrychus exilis</i>
* Dark-eyed junco	<i>Junco hyemalis</i>
* Herring gull	<i>Larus argentatus</i>
* Hooded merganser	<i>Lophodytes cucullatus</i>
* Red-bellied woodpecker	<i>Melanerpes carolinus</i>
* Wild turkey	<i>Meleagris gallopavo</i>
* Swamp sparrow	<i>Melospiza georgiana</i>
* Song sparrow	<i>Melospiza melodia</i>
* Common merganser	<i>Mergus merganser</i>
* Northern mockingbird	<i>Mimus polyglottos</i>
* Black-and-white warbler	<i>Mniotilta varia</i>
* Brown-headed cowbird	<i>Molothrus ater</i>
* Great crested flycatcher	<i>Myiarchus crinitus</i>

## BIRDS (CONTINUED)

<u>Common Name</u>	<u>Scientific Name</u>
* Eastern screech-owl	<i>Otus asio</i>
* Osprey	<i>Pandion haliaetus</i> SC
Northern parula	<i>Parula americana</i>
* Black-capped chickadee	<i>Parus atricapillus</i>
* Tufted titmouse	<i>Parus bicolor</i>
* House sparrow	<i>Passer domesticus</i>
* Savannah sparrow	<i>Passerculus sandwichensis</i>
* Indigo bunting	<i>Passerina cyanea</i>
* Double-crested cormorant	<i>Phalacrocorax auritus</i>
* Ring-necked pheasant	<i>Phasianus colchicus</i>
* Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>
* American woodcock	<i>Philohela minor</i>
* Downy woodpecker	<i>Picoides pubescens</i>
* Hairy woodpecker	<i>Picoides villosus</i>
* Eastern towhee	<i>Pipilo erythrophthalmus</i>
* Scarlet tanager	<i>Piranga olivacea</i>
* Pied-billed grebe	<i>Podilymbus podiceps</i> T
* Black-capped chickadee	<i>Poecile atricapillus</i>
* Blue-gray gnatcatcher	<i>Polioptila caerulea</i>
* Sora	<i>Porzana carolina</i>
* Common grackle	<i>Quiscalus quiscula</i>
Virginia rail	<i>Rallus limicola</i>
* Bank swallow	<i>Riparia riparia</i>
* Eastern phoebe	<i>Sayornis phoebe</i>
* American woodcock	<i>Scolopax minor</i>
* Ovenbird	<i>Seiurus aurocapilla</i>
* Louisiana waterthrush	<i>Seiurus motacilla</i>
* American redstart	<i>Setophaga ruticilla</i>
* Eastern bluebird	<i>Sialia sialis</i>
* Red-breasted nuthatch	<i>Sitta canadensis</i>
* White-breasted nuthatch	<i>Sitta carolinensis</i>
Yellow-bellied sapsucker	<i>Sphyrapicus varius</i>
* American tree sparrow	<i>Spizella arborea</i>
* Chipping sparrow	<i>Spizella passerine</i>
* Field sparrow	<i>Spizella pusilla</i>
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>
* Barred owl	<i>Strix varia</i>
Eastern meadowlark	<i>Sturnella magna</i>
* European starling	<i>Sturnus vulgaris</i>

## BIRDS (CONTINUED)

<u>Common Name</u>	<u>Scientific Name</u>
* Tree swallow	<i>Tachycineta bicolor</i>
Long-billed marsh wren	<i>Telmatodytes palustris</i>
* Carolina wren	<i>Thryothorus ludovicianus</i>
* Brown thrasher	<i>Toxostoma rufum</i>
* House wren	<i>Troglodytes aedon</i>
* Winter wren	<i>Troglodytes troglodytes</i>
* American robin	<i>Turdus migratorius</i>
* Eastern kingbird	<i>Tyrannus tyrannus</i>
Tennessee warbler	<i>Vermivora peregrine</i>
* Blue-winged warbler	<i>Vermivora pinus</i>
Nashville warbler	<i>Vermivora ruficapilla</i>
* Yellow-throated vireo	<i>Vireo falvifrons</i>
* Warbling vireo	<i>Vireo gilvus</i>
White-eyed vireo	<i>Vireo griseus</i>
* Red-eyed vireo	<i>Vireo olivaceus</i>
* Blue-headed vireo	<i>Vireo solitarius</i>
Canada warbler	<i>Wilsonia canadensis</i>
Hooded warbler	<i>Wilsonia citrina</i>
Wilson's warbler	<i>Wilsonia pusilla</i>
* Mourning dove	<i>Zenaida macroura</i>
* White-throated sparrow	<i>Zonotrichia albicollis</i>

## FISH

<u>Common Name</u>	<u>Scientific Name</u>
* American eel	<i>Anguilla rostrata</i>
* White sucker	<i>Catostomus commersonii</i>
* Brown bullhead	<i>Ictalurus nebulosus</i>
* Pumpkinseed sunfish	<i>Lepomis gibbosus</i>
* Bluegill	<i>Lepomis macrochirus</i>
* Largemouth bass	<i>Micropterus salmoides</i>
* Blacknose dace	<i>Rhinichthys atratulus</i>
* Creek chub	<i>Semotilus atromaculatus</i>

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## FISH (CONTINUED)

<u>Common Name</u>	<u>Scientific Name</u>
* Brown trout	<i>Salmo trutta</i>

## MAMMALS

<u>Common Name</u>	<u>Scientific Name</u>
Moose	<i>Alces alces</i>
* Short-tailed shrew	<i>Blarina brevicauda</i>
* Coyote	<i>Canis latrans</i>
* Beaver	<i>Castor canadensis</i>
Star-nosed mole	<i>Condylura cristata</i>
* Opossum	<i>Didelphis virginiana</i>
* Big brown bat	<i>Eptesicus fuscus</i>
Porcupine	<i>Erethizon dorsatum</i>
Southern flying squirrel	<i>Glaucomys volans</i>
* Eastern red bat	<i>Lasiurus borealis</i>
River otter	<i>Lutra canadensis</i>
* Bobcat	<i>Lynx rufus</i>
* Woodchuck	<i>Marmota monax</i>
Fisher	<i>Martes pennanti</i>
Striped skunk	<i>Mephitis mephitis</i>
Meadow vole	<i>Microtus pennsylvanicus</i>
* House mouse	<i>Mus musculus</i>
Short-tailed weasel	<i>Mustela erminea</i>
Long-tailed weasel	<i>Mustela frenata</i>
* Mink	<i>Mustela vison</i>
* Little brown bat	<i>Myotis lucifugus</i>
* Northern long-eared bat	<i>Myotis septentrionalis</i>
Woodland jumping mouse	<i>Napaeozapus insignis</i>
* White-tailed deer	<i>Odocoileus virginianus</i>
* Muskrat	<i>Ondatra zibethicus</i>
? Hairy-tailed mole	<i>Parascalops breweri</i>
* White-footed mouse	<i>Peromyscus leucopus</i>

## MAMMALS (CONTINUED)

<u>Common Name</u>	<u>Scientific Name</u>
Deer mouse	<i>Peromyscus maniculatus</i>
Eastern pipistrelle	<i>Pipistrellus subflavus</i>
* Raccoon	<i>Procyon lotor</i>
* Gray squirrel	<i>Sciurus carolinensis</i>
Masked shrew	<i>Sorex cinereus</i>
Smoky shrew	<i>Sorex fumeus</i>
* Eastern cottontail	<i>Sylvilagus floridanus</i>
Southern bog lemming	<i>Synaptomys cooperi</i>
* Eastern chipmunk	<i>Tamias striatus</i>
* Red squirrel	<i>Tamiasciurus hudsonicus</i>
Gray fox	<i>Urocyon cinereoargenteus</i>
* Black bear	<i>Ursus americanus</i>
* Red fox	<i>Vulpes fulva</i>
Meadow jumping mouse	<i>Zapus hudsonius</i>

## MOLLUSKS

<u>Common Name</u>	<u>Scientific Name</u>
<b>Terrestrial snails</b>	
Note: Common Names are not generally given to snail species.	* <i>Cionella lubrica</i>
	* <i>Zonitoides</i> sp.
<b>Aquatic snails</b>	
Note: Common Names are not generally given to snail species.	* <i>Gyraulus parvus</i>
	* <i>Helisoma trivolis</i>
	* <i>Physa gyrina</i>
	* <i>Physa heterostropha</i>
	* <i>Physa</i> sp.
	* <i>Radix auricularia</i>
	* <i>Stagnicola catascopium</i>

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## MOLLUSKS (CONTINUED)

<u>Common Name</u>	<u>Scientific Name</u>
<b>Clams</b>	
* Fingernail clam	<i>Musculium partumieum</i>
* Fingernail clam	<i>Pisidium casertanum</i>

## INSECTS

### Butterflies

<u>Common Name</u>	<u>Scientific Name</u>
* Delaware skipper	<i>Anatrytone logan (=delaware)</i>
* Least skipper	<i>Ancyloxypha numitor</i>
* Spring azure	<i>Celastrina "ladon"</i>
* Summer azure	<i>Celastrina neglecta</i>
* Common wood nymph	<i>Cercyonis pegala</i>
* Common ringlet	<i>Coenonympha tullia</i>
* Orange sulphur	<i>Colias eurytheme</i>
* Clouded sulphur	<i>Colias philodice</i>
* Monarch	<i>Danaus plexippus</i>
* Northern pearly eye	<i>Enodia anthedon</i>
* Silver-spotted skipper	<i>Epargyreus clarus</i>
* Wild indigo duskywing	<i>Erynnis baptisiae</i>
* Black dash	<i>Euphyes conspicua</i>
* Dun skipper	<i>Euphyes vestris (=ruricola)</i>
* Eastern tailed-blue	<i>Everes comyntas</i>
* Viceroy	<i>Limenitis archippus</i>
* Red-spotted purple	<i>Limenitis arthemis</i>
* Bronze copper	<i>Lycaena hyllus</i>
* American copper	<i>Lycaena phlaeas</i>
* Little wood satyr	<i>Megisto cymela</i>
* Mourning cloak	<i>Nymphalis antiopa</i>
* Eastern tiger swallowtail	<i>Papilio glaucus</i>
* Black swallowtail	<i>Papilio polyxenes</i>
* Spicebush swallowtail	<i>Papilio troilus</i>

## INSECTS (CONTINUED)

### Butterflies

<u>Common Name</u>	<u>Scientific Name</u>
* Pearl crescent	<i>Phyciodes tharos</i>
* Cabbage white	<i>Pieris rapae</i>
West Virginia white	<i>Pieris virginiensis</i>
* Mulberry wing	<i>Poanes massasoit</i>
* Long dash	<i>Polites mystic</i>
* Peck's skipper	<i>Polites peckius (=coras)</i>
* Tawny-edged skipper	<i>Polites themistocles</i>
* Eastern comma	<i>Polygonia comma</i>
* Question mark	<i>Polygonia interrogationis</i>
* Banded hairstreak	<i>Satyrium calanus</i>
* Hickory hairstreak	<i>Satyrium caryaevorum</i>
* Striped hairstreak	<i>Satyrium liparops</i>
* Coral hairstreak	<i>Satyrium titus</i>
* Appalachian brown	<i>Satyrodes appalachia</i>
* Great spangled fritillary	<i>Speyeria cybele</i>
* European skipper	<i>Thymelicus lineola</i>
* Painted lady	<i>Vanessa cardui</i>
* American lady	<i>Vanessa virginiensis</i>

### Dragonflies and Damselflies

<u>Common Name</u>	<u>Scientific Name</u>
* Canada darner	<i>Aeshna canadensis</i>
* Shadow darner	<i>Aeshna umbrosa</i>
* Green-striped darner	<i>Aeshna verticalis</i>
* Green darner	<i>Anax junius</i>
* Variable dancer	<i>Argia fumipennis</i>
* Fawn darner	<i>Boyeria vinosa</i>
* Ebony jewelwing	<i>Calopteryx maculata</i>
* Calico pennant	<i>Celithemis elisa</i>
* Halloween pennant	<i>Celithemis eponina</i>
* Azure bluet	<i>Enallagma aspersum</i>
* Familiar bluet	<i>Enallagma civile</i>
* Turquoise bluet	<i>Enallagma divigans</i>
* Skimming bluet	<i>Enallagma geminatum</i>

## INSECTS (CONTINUED)

### Dragonflies and Damselflies

<u>Common Name</u>	<u>Scientific Name</u>
* Orange bluet	<i>Enallagma signatum</i>
* Prince baskettail	<i>Epitheca princeps</i>
* Eastern pondhawk	<i>Erythemis simplicicollis</i>
* Lilypad forktail	<i>Ischnura kellicotti</i>
* Fragile forktail	<i>Ischnura posita</i>
* Eastern forktail	<i>Ischnura verticalis</i>
* Chalk-fronted corporal	<i>Ladona julia</i>
* Common spreadwing	<i>Lestes disjunctus</i>
* Sweetflag spreadwing	<i>Lestes forcipatus</i>
* Dot-tailed whiteface	<i>Leucorrhinia intacta</i>
* Slaty skimmer	<i>Libellula incesta</i>
* Widow skimmer	<i>Libellula luctuosa</i>
* Twelve-spotted skimmer	<i>Libellula pulchella</i>
* Sedge sprite	<i>Nehalennia irene</i>
* Blue dasher	<i>Pachydiplax longipennis</i>
* Eastern amberwing	<i>Perithemis tenera</i>
* Common whitetail	<i>Plathemis lydia</i>
* Least clubtail	<i>Stylogomphus albistylis</i>
* Russet-tipped clubtail	<i>Stylurus plagiatus</i>
* White-faced meadowhawk	<i>Sympetrum obtrusum</i>
* Ruby meadowhawk	<i>Sympetrum rubicundulum</i>
* Band-winged meadowhawk	<i>Sympetrum semicinctum</i>
* Yellow-legged meadowhawk	<i>Sympetrum vicinum</i>
* Black saddlebags	<i>Tramea lacerata</i>

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