

Wetland Delineation Report

Medicanix Site
251 Fields Lane
Town of Southeast
Putnam County, NY

May 26, 2017

Prepared by:

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WETLAND DELINEATION REPORT

SUBJECT PROPERTY: Medicanix Site
251 Fields Lane
Town of Southeast, Putnam County

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1.0 INTRODUCTION

A Federal (US Army Corps of Engineer - USACE) and local (Town of Southeast) wetland delineation was completed on the 5.11 acres Medicanix site located at 251 Fields Lane, Putnam County, New York. The field delineation was conducted on May 23, 2016. The methodology used for this delineation consisted of the Routine Onsite Determination Method prescribed in the 1987 USACE Wetlands Delineation Manual¹ and northeast/northcentral supplement and Chapter 78 of the Town of Southeast code. There are no New York State Department of Environmental Conservation (NYSDEC) Article 24 Freshwater Wetlands on the site. A baseline, Fields Lane, was established, and 2 transects were traversed (field investigated) throughout the site. Vegetation was sampled along these transects at 100' intervals or observation points where applicable. Dominant vegetation was noted at each point, and hydrophytic (wetland) vegetation was considered to be present when 50% or more of the vegetation throughout the strata of each plant community was classified as either facultative, facultative wet, or obligate wet. Hydrophytic vegetation was also positively identified based on the presence of secondary characteristics including morphological adaptations for occurrence in wetlands. Adaptations noted include: shallow root systems where surface rock was not apparent and buttressed trunks. Soils were then sampled where facultative, facultative wet, or obligate wetland vegetation was dominant. Soils were determined where hydrophytic vegetation was present. These points were classified as Federal and Town wetland. No State wetlands were identified on the site.

Soil samples were taken with a dutch slotted auger to a depth of 18" of the soil profile where possible. Hydric soil indicators noted include: presence of seasonal high water table, inundation, presence of hydrogen sulfide, soil chroma of 1(without mottles) or 2 (with mottles) as per the Munsell Soil Color Chart, gleying, iron and manganese concretions, and oxidized rhizospheres. Hydric soils were determined to be present when any one of these indicators was recognized.

Each observation point was also examined to determine if wetland hydrology was

¹Environmental Laboratory. 1987. "Corps of Engineers Wetlands Delineation Manual," TR y-87-1, US Waterways Experiment Station, Vicksburg, Miss.

present at some time during the growing season. Indicators of wetland hydrology noted at the site include: soil saturation within the test hole or at the soil surface, inundation, positive drainage patterns, and watermarks on tree trunks or waterstained leaves on the ground.

When an observation point contained all three wetland parameters: hydrophytic vegetation, hydric soils, and evidence of seasonal hydrology, or only hydric soils the point was determined to be wetland. The area surrounding the observation point was then investigated to determine the upland boundary via the same methodology. The delineation was then confirmed by placing flags at the edge of the wetland and upland boundary.

In addition to field analysis, the following materials were reviewed:

- 1). Soil Survey
- 2). NWI Map
- 3). NYSDEC Freshwater Wetlands Map

2.0 EXISTING CONDITIONS/SITE CHARACTERISTICS

The site is a sloping an undeveloped site containing upland forest area at the rear and a forested wetland complex at the front of the site with drainage channels flowing down the slopes. The site is located along Fields Lane and abuts a commercial property.

Wetland "A" and "B" is located at the northern section of the site and continues to the rear or southern portion of the site that is the watershed or higher section draining north.

3.0 DESCRIPTION OF WETLANDS

Wetland "A" and "B" consists probably half of the site based on the field walk and is generally forested wetland with a small wet meadow component along Fields Lane encompassing about 2.5 acres. The vegetation in this wetland includes red maple, Acer rubrum, facultative, American eElm, Ulmus americana, facultative wetland, soft rush, Juncus effusus, facultative wet(+) and sensitive fern, Onoclea sensibilis, facultative wet(+) and multiflora rose, Rosa multiflora, facultative upland. Soils are Leicester Soils. The Leicester series consists of very deep, poorly drained soils formed in coarse-loamy till. They are nearly level or gently sloping soils in drainageways and low-lying positions on hills. Slope ranges from 0 to 8 percent. Permeability is moderate or moderately rapid in the surface layer and subsoil and moderate to rapid in the substratum.

Figure 1 Location Map



Figure 2 Soils Map



Map Unit Symbol	Map Unit Name
ChC	Charlton fine sandy loam, 8 to 15 percent slopes
CrC	Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky
CsD	Chatfield-Charlton complex, 15 to 35 percent slopes, very rocky
HrF	Hollis-Rock outcrop complex, 35 to 60 percent slopes
LcB	Leicester loam, 3 to 8 percent slopes, stony
Ub	Udorthents, smoothed