



# Town of Orleans Conservation Commission

Town Hall • 19 School Road • Orleans, Massachusetts 02653-3699

Tel: (508) 240-3700 Ext. 425 / Fax: (508) 240-3388

## MEMO

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To: Julia Enroth, Chair, Community Preservation Committee  
From: John Jannell, Conservation Administrator   
Date: Friday, November 4, 2019  
Re: Community Preservation Project Application

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At its regularly scheduled meeting on Tuesday, October 8th, 2019, the Conservation Commission voted unanimously to submit an application for Community Preservation funds to replace the ramp and timber landing platform at Crystal Lake. Attached is a completed application.

Please let me know if you need any additional information to process this request.

Thank you.





# Town of Orleans

19 School Road Orleans Massachusetts 02653-3699  
Telephone (508) 240-3700 – Fax (508) 240-3388

## COMMUNITY PRESERVATION PROJECT APPLICATION

**Submission Date:**

**Project Title:** Crystal Lake Beach and Conservation Area

**Applicant (note if public or private):** Town of Orleans Conservation and Department of Natural Resources

**Address:** 19 School Road

**Telephone:** 508-240-3700

**E-mail:** jjannell@town.orleans.ma.us

**Federal Tax Identification Number (if non-profit):**

**Contact Person (Name & Telephone):** John Jannell, Conservation Administrator

**Project purpose (Check all that apply):**

Open Space       Historic Preservation       Community Housing       Recreation

**Project Location/Address:** 118 and 120 Monument Road

**Community Preservation Funding Request:** \$25,000 for Recreational Facility Improvements

**Brief Project Summary, Including Justification of Project Category Checked Above:**

### DETAILED NARRATIVE:

Crystal Lake Beach, off Monument Road, is comprised of two parcels, one conservation parcel (120 Monument - 1.0 acre) and one general municipal parcel (118 Monument - .08-acre town landing), for a total area of 1.08 acres (see Exhibit A). The Conservation Commission parcel was formerly owned by the McCoy family and was acquired in 1986 for \$235,000. The primary purpose for the acquisition was to provide a freshwater sandy beach from which families may enjoy such passive recreational activities such as swimming, fishing, small boating, and picnicking. Together both parcels actively provide these opportunities to the public.

Around 1988, parking was installed on the Conservation parcel and improvements were made to the landing parcel that included concrete swale removal and beach nourishment (see Exhibit B). In 1994, further improvements were made including a new access ramp, grading, and the construction of the timber landing (see Exhibit C). All of this work was contained on the Conservation parcel.

Today, the area continues to be a popular bathing and swimming area as well as frequently used fishing spot. The ramp and timber landing have aged and are in poor condition. The pressure treated lumber is 28 years old and mostly in contact with the soil. The timber platform is in poor shape and the bench was removed years ago. The concrete footings under the platform have eroded away (see Exhibit D). Therefore, complete replacement is needed at this time.

In addition, the Town Landing parcel is in need of improvement to function in conjunction with the conservation area. The landing and beach are in need of beach nourishment similar to what has been done periodically in the past. Some minor land management is also proposed including re-construction of the small timber retaining wall, tree work, and re-establishing the picnic bench seating area (see Exhibit E).



**ACTION PLAN:**

FY21 funds will be used to prepare survey and construction drawings of the replacement ramp, platform and landing. These documents will be used to secure the necessary permits under the Wetland Protection Act for work in these protected Resource Areas.

Once fully permitted, work will be scheduled for the Fall of 2020. At that point, outside contractors will be solicited to work in conjunction with Town staff to complete the project.

**FINANCIAL DATA:**

The estimated cost of the project is as following:

Permitting	
-Notice of Intent and relevant survey work	\$3,500
Conservation Parcel	
-Walkway and Platform Construction:	\$15,000
Town Landing Parcel	
-Beach Nourishment and Land Management	\$6,500
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Budget Request:	\$25,000

**SUMMARY:**

The Conservation Commission feels the above requests are consistent with CPC goals in that the funds will be used to improve the Conservation and Landing parcel that are actively being used for recreational use. It should be noted that this recreational facility at Crystal Lake is included throughout the 2016 Conservation, Recreation and Open Space Plan and also the Orleans Comprehensive Plan. Improvement to it is consistent with both of these plans many goals and objectives. We hope you can support this request so that this Conservation Area and Town Landing can be improved to provide enhanced recreational opportunities and passive recreation to all residents and visitors.



Exhibit A



Crystal Lake Beach



This map is illustrative and intended for planning purposes only. Orleans Conservation, 2019

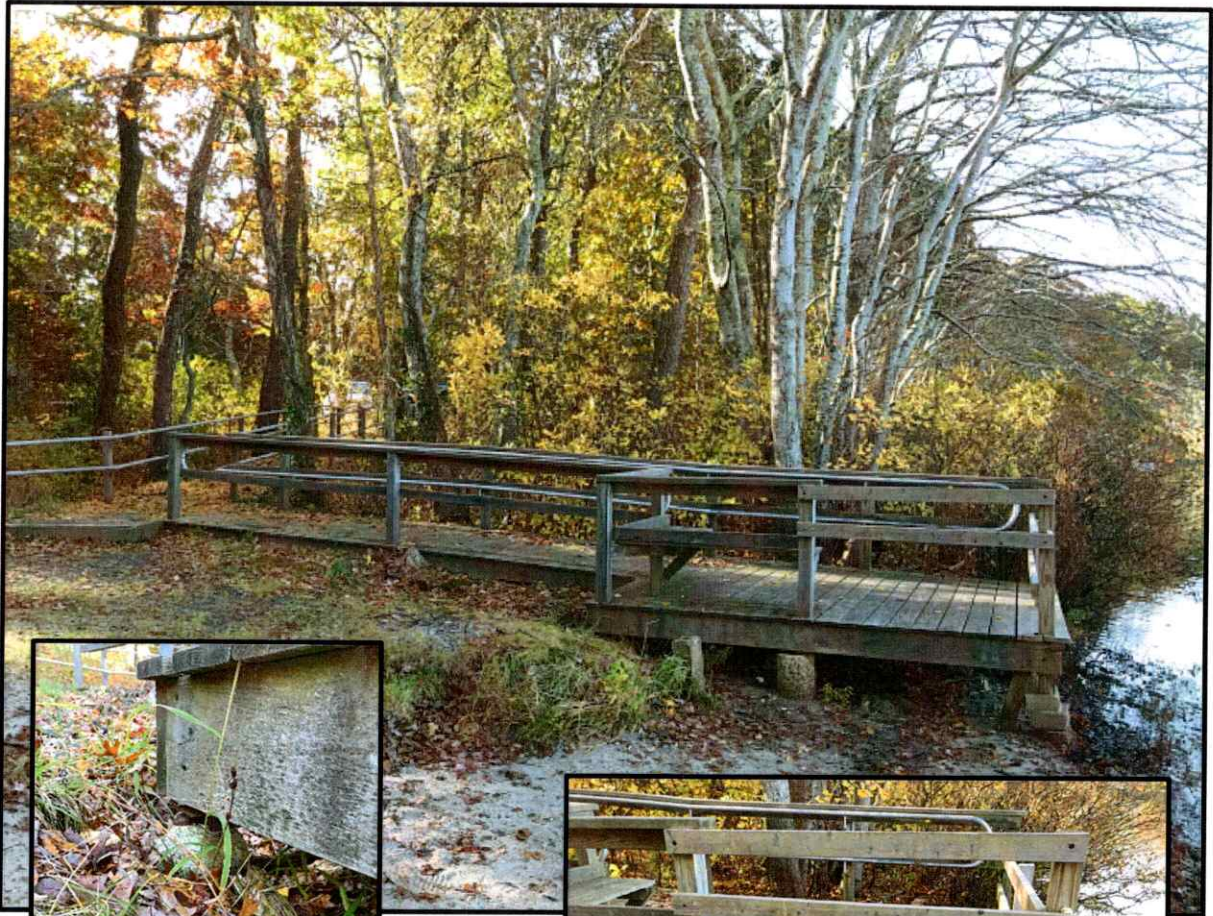


0 15 30 60 Feet

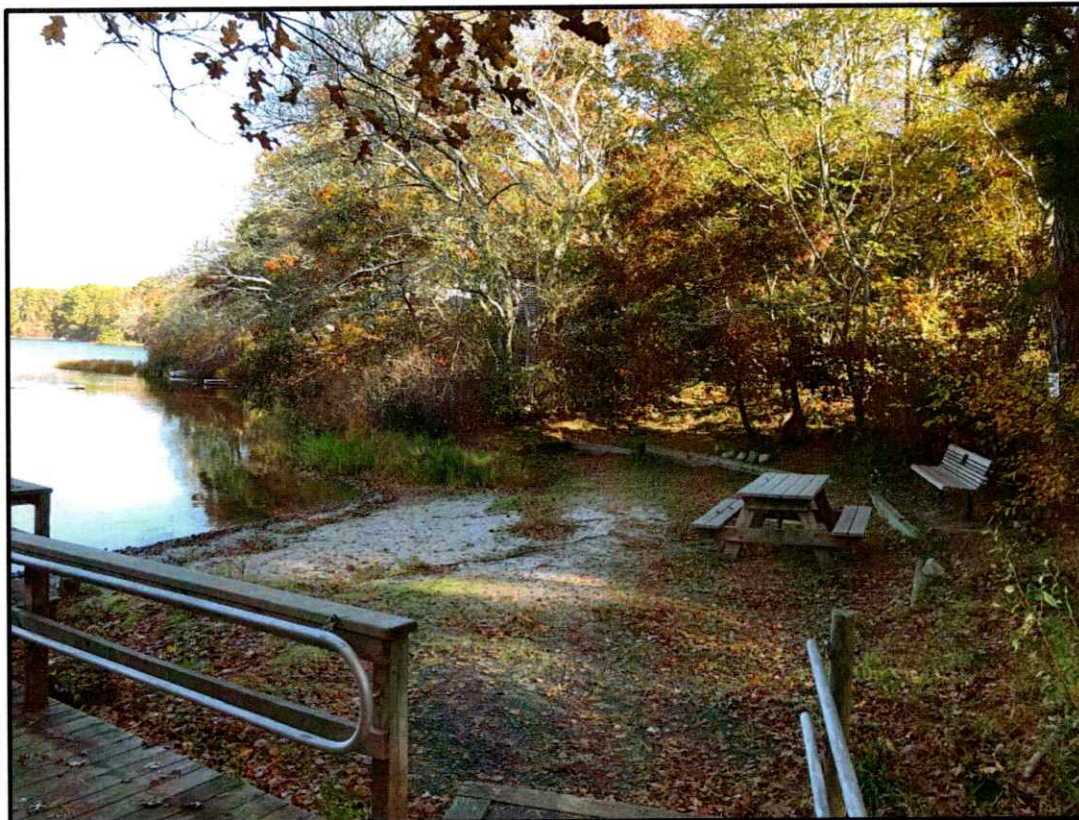




Exhibit D



# Exhibit E



Re-Establish  
picnic area

Replace timber wall



Beach  
Nourishment

