LCF MARINE

SURVEY REPORT
JAN 2026

GLENGARRIFF PONTOON

CORK COUNTY COUNCIL

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1. Survey Summary

Authority:	Cork County Council
Site Name & Location:	Glengarriff Pontoon, Glengarriff, Co. Cork
Surveyor Name & Company:	Aodha Sullivan, LCF Marine
Survey Date:	22/01/2026
Purpose:	Safety & Condition Assessment

2. Asset Description

Type:	Pile-guided floating pontoon
Structure:	Reinforced concrete pontoons
Floatation:	Polystyrene floats with glass reinforced concrete skin
Mooring System:	Steel H-section guide piles bolted to adjacent pier
Usage:	Public access passenger pontoon facilitating boarding and landing for a licensed ferry service to the Garnish Island.



Glengarriff Pontoon

3. Survey Scope

Assessment of structure, gangway, decking, railings, buoyancy, mooring System, safety equipment, ancillary equipment

4. Overall Condition

Good ☐ Fair ☐ Poor ☑ Unsafe ☐

Summary Comments:

The survey revealed multiple safety and structural issues across the gangway, pontoons, and associated components. Critical risks include a missing gangway roller, damaged floats exposing polystyrene, and worn/missing pile guides, all affecting structural integrity and public safety. High-risk issues involve slippery surfaces, worn anti-slip threads, corroded hinges, bent ramps, loose hand railings, and corroded bollard bolts, mainly posing trip/fall hazards and vessel damage risks. Medium and low risks include corroded structural surfaces, damaged concrete at gangway fixings, bent pile fixings, surface corrosion on piles, detached fendering, and worn paint, indicating ongoing deterioration that requires repair or replacement.

5. Defects & Risks

Ref	Location	Defect Description	Risk	Risk Level	Photo Ref
D1	Gangway	Walking surface is slippery – possible wood rot	Public safety – trip/fall hazard	High	P1
D2	Gangway	Anti slip threads are worn/uneven posing a trip hazard	Public safety – trip/fall hazard	High	P2
D3	Gangway bottom	A roller is missing from one side and the gangway is resting hard on the pontoon	Pontoon deck structural integrity	Critical	P3
D4	Gangway bottom	Ramp hinges are corroded	Ramp integrity	High	P4
D5	Gangway bottom	Ramp is bent/damaged	Public safety – trip/fall hazard	High	P5 P6
D6	Gangway bottom and top	Structural surfaces have corroded in places	Structural integrity	Medium	P7 P8
D7	Gangway top	Concrete at gangway fixing bracket base is damaged	Gangway fixing	Medium	P9
D8	Gangway	Painted surfaces have worn	Corrosion	Low	P10
D9	Floats	Concrete skin has broken off several floats exposing and damaging the polystyrene beneath. Floats are held on with rope	Float and pontoon integrity, public safety	Critical	P11 P12
D10	Fendering	Fendering around the pontoon has detached at ends	Damage to vessels	Medium	P13
D11	Bollards	Bolts securing bollards have corroded	Damage to vessels	High	P14
D12	Hand railings	Several hand railings are loose at fixing points	Public safety – trip/fall hazard	High	P15
D13	Pontoon joining	Pontoon couplers are worn and causing pontoons to move up and down at the joint	Public safety – trip/fall hazard	High	P16 P17
D14	Pontoon pile guides	All pile guides are worn/damaged with some missing entirely	Pontoon	Critical	P18 P19
D15	Pontoon pile fixings	Brackets bent in places with poor fixing systems	Structural integrity	Medium	P20
D16	Piles	Piles have surface corrosion	Structural integrity	Medium	P20

Risk Level	Definition
Critical	Immediate action required to address defect/hazard
High	Significant issue affecting safety or operation
Medium	Minor issue; monitor and repair as practical
Low	Cosmetic or minor defect; monitor condition

6. Recommendations

Ref	Related Defect	Recommended Action
D1	Slippery walkway	Pressure wash walkway
D2	Worn anti slip threads	Replace threads/decking
D3	Missing roller	Replace roller
D4	Corroded ramp hinges	Replace ramp
D5	Bent/damaged ramp	Replace ramp
D6	Gangway corrosion	Patch repair/welding
D7	Gangway fixing bracket	Repair concrete
D8	Worn painted surfaces	Pressure wash and paint
D9	Damaged floats	Replace floats (note: floats no longer available)
D10	Detached fendering	Replace fendering
D11	Bollard bolts	Remove and refit bollards
D12	Loose hand railings	Remove and replace hand railings
D13	Worn pontoon couplers	Replace pontoon couplers
D14	Worn pile guides	Replace pile guides
D15	Bent pile fixings	Repair pile fixings
D16	Pile surface corrosion	Pressure wash and paint

Note:

Several defects, including the damaged floats which are no longer commercially available and currently secured only with rope, present a significant structural integrity and public safety risk due to high usage of this pontoon. While individual repairs may address some issues, full pontoon replacement is strongly recommended to ensure structural integrity and to protect users.

7. Photographic Evidence



P1 – Slippery walkway



P2 – Worn anti slip threads



P3 - Gangway missing roller



P4 – Corroded ramp hinges



P5 – Bent ramp



P6 – Bent/damaged ramp



P7 – Gangway corrosion



P8 – Gangway corrosion



P9 – Damage concrete at gangway fixing point



P10 – Worn painted surfaces



P11 – Damaged floats



P12 – Damaged floats



P13 – Detached fendering



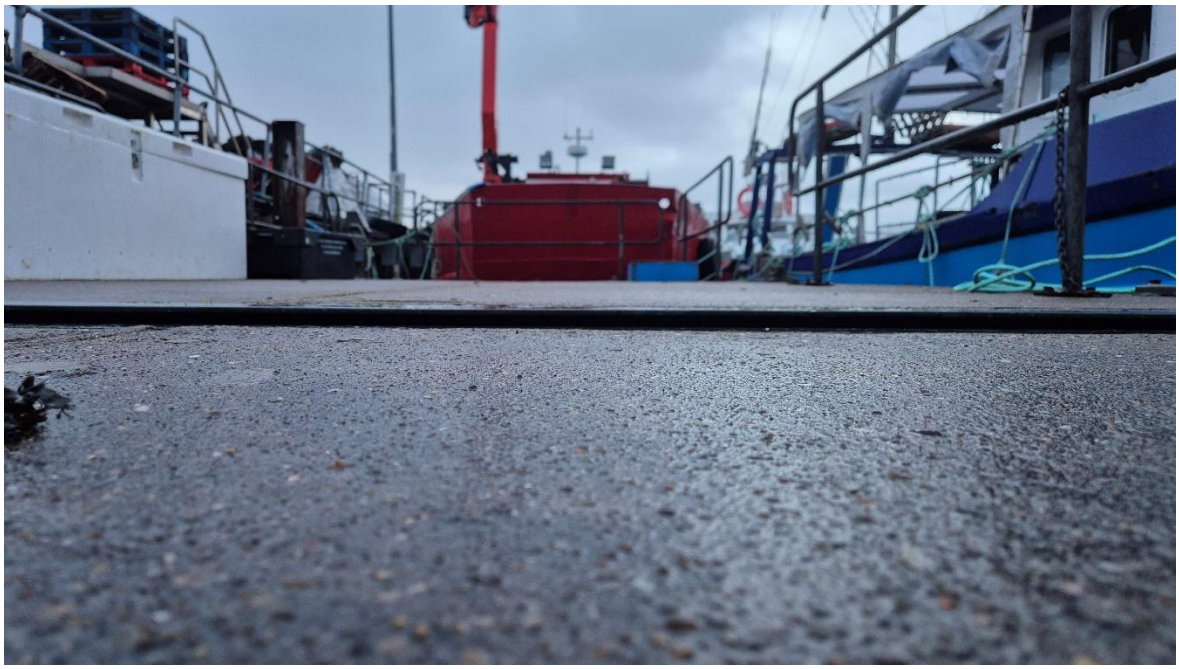
P14 – Corroded bollard bolts



P15 – Handrail fixings



P16 – Pontoon couplers



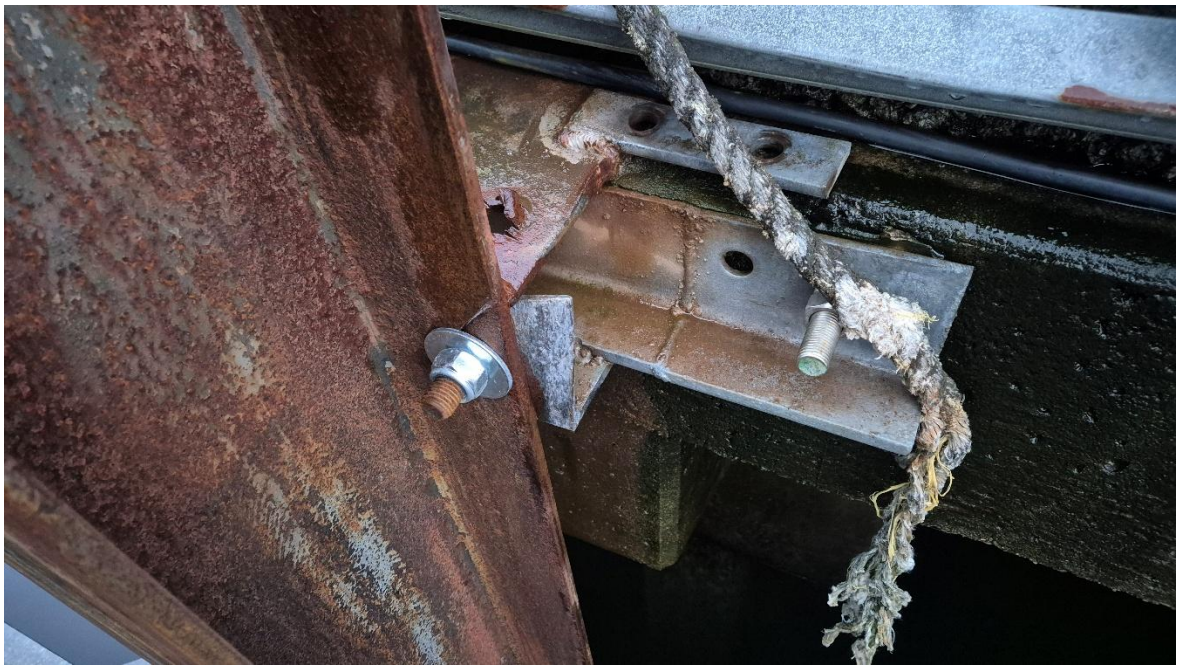
P17 – Pontoon joining - trip hazard



P18 – Missing and damaged pile guides



P19 – Missing pile guides



P20 – Poor pile fixing and pile surface corrosion