

**Table 1 - Specific Defects**

Item #	Location	Description	Outstanding from 2013 report	New defect (2018)	Comment
1	AA to E Head Float	One concrete pontoon near Float AA has a spalled corner with evidence of a concrete grout patch. Monitor for further deterioration.	Y		
2	AA17	Rub plank has up to 25% Cross-Section Loss (CSL) due to rubbing wear from vessel contact. Monitor for further deterioration.	Y		
3	AA18	Mooring pile has up to 10% CSL due to abrasion. Monitor.	Y		
4	AA19	Mooring has up to 25% CSL due to checking and abrasion with the steel mooring well. Monitor.	Y		
5	AA	North end mooring well - 75% Cross-Section Loss (CSL) of south mooring well timber due to fungal decay. Replace timber. (HIGH PRIORITY)	Y		This is now 100% decayed.
6	AA4	Missing hose stand.		Y	
7	A (Mid area)	Minor list to the east at the midpoint of the float. Monitor for further deterioration.	Y		
8	B22	Piling rub rail missing.		Y	
9	B9/11	Plywood transition plate rotten, tripping hazard, needs replacement.		Y	
10	B15 & B22	There are no rubbing strips at either the East or West Pile. At tides lower than 3' the pilings are up against the walers and the float is hung up supported by the "out of plumb" pilings.- distorting the walers		Y	
11	B12/14	Plywood transition plate rotten, tripping hazard, need replacement.		Y	
12	B1/2	Plywood transition plate rotten, tripping hazard, needs replacement.		Y	
13	B	North end mooring well - East mooring pile has 50% Marine Borer Cavities (MBC) at 1 m above the mudline. Replace pile. (HIGH PRIORITY)	Y		Unable to determine due to tide level but by all appearances this pile was not replaced although was on the 2014 tender
14	D	Head of dock has stacks of concrete planks on either side of dock, presumably to level dock?		Y	
15	D (North end)	Minor list to the west. Monitor for further deterioration.	Y		
16	D7/9	Concrete deterioration, needs repair.		Y	
17	AA to E Head Float	One concrete pontoon near the bottom of the access gangway at the east end of the float has exposed and corroding reinforcing steel due to insufficient concrete cover, and shows signs of previous concrete patch repairs. Implement epoxy coating repair.	Y		
18	AA to E Head Float	Between C and D, corner concrete deterioration, needs repair.		Y	
19	AA to E Head Float	Bottom of ramp area, several areas of concrete deterioration, needs repair.		Y	
20	E20	Hose rack missing.		Y	
21	E	Third Mooring Pile from Head Float - Vertical 15 mm split 1 in long. Install steel clamps.	Y		This does not appear to have been repaired as there is no evidence of steel clamps.
22	E29/31	Finger has a minor list to the south. Monitor for further deterioration.	Y		

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23	E	from E21 to fuel dock - Minor list to east. Monitor for further deterioration.	Y		
24	Bottom of west side ramp	Mid rail of handrail at bottom of West side ramp is splintered and spiked on end. Safety hazard.		Y	
25	East Entrance gate	2 panels of safety glass are smashed and have been so for more than 2 years.		Y	
26	West Side Ramp	Ramp to floats AA to E is an old wooden thing, short and very steep at low tide.		Y	
27	East Side Bike Rack	"Secure" bike rack under bridge is accessible to vandals and thieves who climb over the bridge fencing above the rack. Bikes have been stolen from this secure area.		Y	
28	Tide Grid	Ladder needed for tide grid so patrons can access grid from float at low tide. Ladder should have hand-rail for safety.		Y	
29	F/G Gangway Landing Float	Southwest corner of the float has high freeboard, likely due to warped whaler timbers caused by frequent grounding at low tide. Consideration should be given to localized sediment removal beneath float.	Y		
30	F7	West mooring pile has multiple vertical splits. Monitor for further deterioration.	Y		Unable to determine due to tide level.
31	F (North end)	Minor west list north of Slip No. F22. Monitor for further deterioration.	Y		
32	H	Entire dock - Float lists to the south varying from minor at east end to moderate at west end. Consider phased refurbishment program of floats.	Y		
33	I5/7	Finger has a minor list to the west. Consider phased refurbishment program of floats.	Y		
34	I8	North mooring pile has multiple 5 mm splits over entire length. Monitor for further deterioration.	Y		Unable to determine due to tide level.
35	I9	Plywood transition plate rotten, tripping hazard, needs replacement.		Y	
36	I22/24	Transition plywood plate rotten, tripping hazard, needs to be replaced.		Y	
37	I26/28	Spalling and cracking of concrete at south end of finger. Repair with "splash zone epoxy".	Y		This has not been done.
38	I dock, near G-L	Piling hoop is loose and needs tightening.		Y	
39	J	Entire dock - Minor list to moderate list to the south along entire length; most pronounced near Finger J18/20. Consider phased refurbishment program of floats.	Y		
40	J13/15	Plywood transition plate rotten, tripping hazard, needs replacement.		Y	
41	J17	Walers are coming distorting. J dock appears to be horizontally bending at this point.		Y	
42	J19	Waler timbers have inadequate overlap at splice and permit flexing of float assembly and inadequate support for finger connection assembly. Consider phased refurbishment program of float.	Y		
43	J34/36	Plywood transition plate is rotten, tripping hazard, needs replacement.		Y	
44	K5/7	Float waler timbers have minor to moderate fungal decay. Consider phased refurbishment program of floats.	Y		

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45	K26/28	Float waler timbers have minor to moderate fungal decay. Consider phased refurbishment program of floats	Y		
46	K28	Corner of concrete is broken, needs repair.		Y	
47	K30	Corner of concrete is broken, needs repair.		Y	
48	K29/31	Finger has minor list to the west. Monitor for further deterioration.	Y		
49	K - West End	Float K has a minor list to the south from K30 to west end. Monitor for further deterioration.	Y		
50	G-L, by slip L-1	The north pile cluster, west pile has 50% CSL due to MBC over an affected length of 2 m, beginning at an elevation of 1 m above the mud line. Replace pile. (HIGH PRIORITY).	Y		Not apparent this pile cluster has been replaced.
51	L - entire dock	Infill panels consist of timber members and present a slipping hazard. Replace with concrete or steel panels.	Y		This has been done but there are numerous areas on the docks where wood planks are still being used to fill gaps. Wooden surfaces without any type of traction grip are slippery and a safety hazard.
52	L15	North mooring pile has 10% CSL due to abrasion damage due to protruding tie-rod. Remove and relocate tie-rod.	Y		
53	L16/17	Finger mooring pile has 25% CSL due to abrasion. Monitor for further deterioration.	Y		
54	L16/17	Plywood plate is sunken, major tripping hazard.		Y	
55	L18/19	Finger listing 14 degrees, major safety issue.		Y	
56	L dock	Of the 12 pilings on L dock, 6 are missing rub rails.		Y	
57	M (West end)	At the north hinge connection to the main float, the pin holes are elongated and the clevis tabs are rubbing. One side of the hinge assembly has coating failure and minor to moderate corrosion. Replace hinge connection assembly.	Y		This has not been done.
58	N10/12	2x8 plank protecting electrical wiring to lamp stand is rotten. Needs replacement.		Y	
59	N3/5	Excessive gap between wooden planks, tripping hazard.		Y	
60	O7/9	Finger has minor list to the west. Monitor for further deterioration.	Y		
61	O9	Steel mooring well has been perforated due to abrasion and cross-section loss due to internal corrosion. Install patch plate or replace mooring well. This has not been done.	Y		
62	P6	Hose stand is falling over.		Y	
63	R4/6	Concrete deterioration on corner of slab, needs repair.		Y	

**Total Defects outstanding from Worley Parsons 2013 report: 32**

**Total New Defects observed June 2018: 31**

**Total Number of all Current Defects: 63**