

#### Agenda

#### Environmental

- Community complaints + correspondence
- Upper Log Yard performance
- Upper Log Yard improvements
- Southern Log Yard performance
- Dredging sediment monitoring
- Kaiti beach litter project

#### **Projects**

- Wharfside Log Yard redevelopment
- Crawford Rd trailer hoist
- Twin Berth project
- Maintenance dredging
- Port Entry project
- Kaiti beach + Southern log yard seawalls
- Wharf 3 marina + navigation light
- Kaiti Beach Road walking track
- Other items/next meeting



## Environmental

## Community complaints + correspondence



Since we last met we have received 9 noise complaints and correspondence from the public and GDC related to the upper log yard:

# Upper Log Yard Water sampling report Quarter 3 - 2019

- Nitrogen elevated but consistent with background samples up stream
- Exceedance of Copper and Zinc were the result of upstream influences

Table 3: 5 July 2019 sample results. [n.d. = not detected, a dash (-) = not measured]. Site 3 and 4 cells are highlighted red if the recorded value exceeds the consent trigger limit

Parameter	Units	EMP trigger limits	Site 1 Site 2 Swale Discharge		Site 3 Compliance	Site 4 Upstream/Back ground	Site 5 Marina	
рН	-log(H+)	6.5 – 8.5	6.8	4.7	7.5	7.6	7.9	
Temperature	°C	Not more than 3°C above background (Site 4)	11.1	ectangular Snip 10.8	12.1	12.1	12.3	
Dissolved Oxygen	g/m³	Not less than 4	2.26	0.78	10.40	10.30	10.28	
Hardness	g/m³	n/a	-	-	183	189	-	
VSS	g/m³	n/a	62	9	7	-	-	
TSS	g/m³	Not more than 100 g/m³ above background (Site 4)	135	13	27	25	57	
Settleable Solids	g/m³	n/a	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Dissolved Aluminium	g/m³	Not specified in consent	0.68	5	0.189	0.098	0.08	
Total Aluminium	g/m³	Not specified in consent	3.6	5.6	1.04	0.81	1.05	
Dissolved Copper	g/m³	0.0025 average of 4 quarterly samples	0.0016	< 0.0005	0.0036	0.0034	< 0.010	
Dissolved Zinc	g/m³	0.031 average of 4 quarterly samples	0.025	0.032*1	0.039	0.045	0.03	
Soluble Inorganic Nitrogen	g/m³	0.4	0.051	< 0.011	1.93	2.1	1.12	
Total Nitrogen	g/m³	0.4	3.6	0.21	3.2	3.4	1.61	
cBODs	g/m³	20 above background		-	6	< 2	-	
Total Phenols	g/m³	0.72	0.03	0.04	< 0.02	< 0.02	< 0.02	
Total Tannins	g/m³	n/a	49	20	1.6	1.3	1.7	
Absorbance at 440 nm	AU cm <sup>-1</sup>	n/a	-	-	0.033	0.034	0.016	
TPH	g/m³	15	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	
Dehydroabietic Acid	g/m³	0.025	2.1581	0.6238	n.d.	n.d.	n.d.	

#### **Upper Log Yard Improvements**

- We continue to improve our storm water systems and discharge quality
  - Yard storm water runoff is now chemically treated to capture suspended solids allowing cleaned water to be returned to the receiving environment.
  - The final upgrades have been made storm water treatment plant with the installation of sludge recirculation pumps.
- We will be seeking a variation to the ULY consent to acknowledge these changes.
  - Additional testing parameters
  - This is now drafted and will be going to submitter's soon for consultation

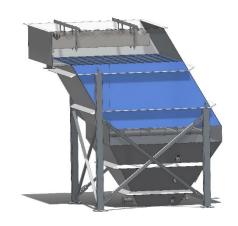




Figure 1 Photos of Jar Testing Results after 30 Minute Settling Perio



## Southern Log Yard performance



Table 4: 24 July 2019 stormwater discharge quality monitoring results.

 No exceedances of the consented trigger levels were recorded 3<sup>rd</sup> quarter sampling report

		Trigger Levels for Assessing		Sampling Locations						
Parameter	Units	Effe		MH1	MH11	мнэ	Post DSD	Kaiti Beach Rd		
Turbidity	NTU	n/a	a	360	1040	-	=	-		
pH	-log(H+)	n/a	n/a		7.2	6.9	7.2	8.2		
VSS	g/m³	n/a	n/a		260	-	-	-		
TSS	g/m³	300 (median); 450 (75%ile)		410	950	940	520	500		
COD	g/m³	n/a		380	1190	-	=	-		
TOC	g/m³	n/a		107	220	-	-	-		
Tannin	g/m³	n/a		23	77	-	-	-		
TPH (C7 – C36)	g/m³	15	5	< 0.7	< 0.7 < 0.7			-		
	•	MH1 <sup>1</sup>	MH11 <sup>2</sup>		1					
Dissolved Cu	g/m³	0.09	0.039	< 0.010	< 0.010	0.0194	0.036	0.0016		
Dissolved Pb	g/m³	0.198	0.132	< 0.002	< 0.002	-	-	0.00025		
Dissolved Zn	g/m³	0.69	0.45	0.02	0.03	-	-	0.0074		

Table 5: 24 July 2019 receiving environment water quality results for the MH1 discharge

		Trigger Levels for Assessing Effects	Sampling Locations								
Parameter	Units		MH1 Mixing Zone Site 1 Surface	MH1 Mixing Zone Site 2 Surface	MH1 Mixing Zone Site 3 Surface	MH1 Mixing Zone Sites 1 & 2 Composite	MH1 Mixing Zone Sites 4 Mid Depth	MH1 Mixing Zone Sites 5 Mid Depth	MH1 Background Site 1 Surface	MH1 Background Site 2 Surface	MH1 Background Site 3 Surface
Turbidity	NTU	n/a	7.2	26	53	-	5.4	17.8	7.9	3.2	2.5
pH	-log(H+)	6.7-8.5	-	-	-	8	-	-	-	-	-
Salinity	ppt	n/a	34	33	32	-	34	34	33	33	33
TSS	g/m³	n/a	16	38	63	-	14	22	11	6	7
Tannins	g/m³	n/a	-	-	-	< 5 <sup>1</sup>	-	-	-	-	-
		MH1 <sup>2</sup>					•	•	•		
Dissolved Cu	g/m³	0.003 or background	< 0.0010	< 0.0010	0.0015	-	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Dissolved Pb	g/m³	0.0066	< 0.0010	< 0.0010	< 0.0010	-	-	-	-	-	-
Dissolved Zn	g/m³	0.023	< 0.004	< 0.004	< 0.004	-	-	-	-	-	-

#### Dredging sediment monitoring



- Conditions 8 + 9 of dredging consent
  - 8. Annual testing of metals and metalloid (arsenic) within sediments to be dredged.
  - 9. Once every 3 years arrange for elutriate test of metals
- All tests have been complaint since testing started in 2006
- 2019 annual sampling was compliant





igure 2: Typical box dredge seabed sample

#### Kaiti beach litter project

Eastland Port

- Continuing work with Sustainable Coastlines & Plastic Bag Free Tairãwhiti
- Working to establish Kaiti Beach as 1 of 108 permanent monitoring sites throughout NZ
- Collaborating with Gisborne Girls High. 4x clean ups happened to date









## Projects

#### Wharfside Log Yard Redevelopment



- Closed to storage of logs from 30
   June 2017 as per agreement with GDC
- Fulton Hogan was awarded the contract to complete the wharf side log yard reconstruction project.
- Project completion is expected on 6 December 2019.



#### Crawford Rd Trailer Hoist



- Consent gained in Feb 2017
- Opened 15 April 2019
- Restricted operating hours of
  - Monday to Saturday 7am-10pm
  - Sundays & public holidays 7am-6pm



#### Twin Berth Project



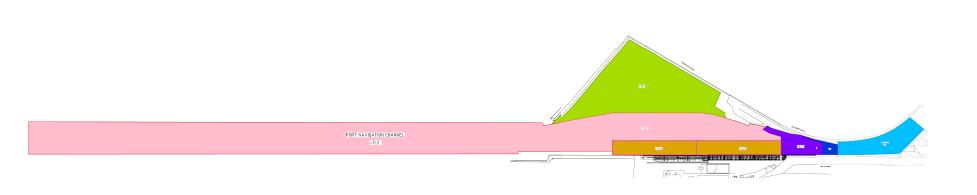
- First application lodged November 2017
  - Consents to rebuild wharves 6&7, and consolidate the slipway granted in August 2018
  - The GDC consent decisions have been appealed to the Environment Court. The GDC and Port have worked through most issues raised with the appellants. A few remain outstanding with one appellant.
  - If these items can't be resolved we will need to go to the Environment Court to sort.
- Renewing the maintenance dredging consents will happen next







- Renewal of port maintenance dredging consents
  - Consolidate several existing consents in one
  - Revise conditions to be consistent across all
  - Have remodelled the function of offshore disposal ground
- Application brief will be put to stakeholders for consultation



# DREDGING DEPTH -6.0 DREDGING DEPTH -6.6 DREDGING DEPTH -8.1 DREDGING DEPTH -10.0 DREDGING DEPTH -11.0 DREDGING DEPTH -14.0

#### Port Entry Project

Eastland Port

- Resource Consent application lodged February 2019
  - Realignment of internal port entry including a new Security Hut
  - 11,500m2 of pavement redeveloped
  - Stormwater system for new pavement tying into Wharfside Log Yard stormwater treatment plant
  - New contractor workshop
  - Redevelopment of zero store into cool store
- Completion target May 2020



## Kaiti beach + Southern log yard seawall



- Kaiti beach seawall redevelopment
  - Replace aged revetment wall
  - Greenspace area and improve safety and amenity
  - Provide improved access to area for public
  - Provide traffic route to seawall
- Southern log yard seawall refurbishment
  - Protect asset and improve safety

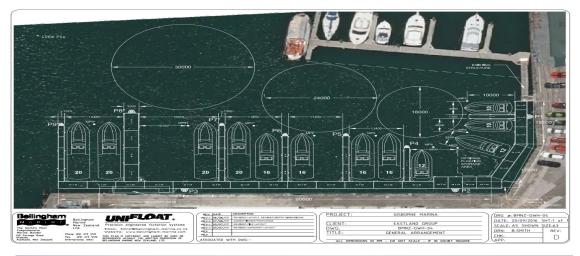
Consents for both projects have been granted. Designs are being finalised and materials procured. Construction work will begin on these projects soon



#### Wharf 3 Marina + Navigation light



- Upgrade to wharf 3 marina has received very positive feedback from berth holders. Visitors, cruise ship operators and passengers rate it as one of the best in NZ
- Navigation light being moved off river training wall to be free standing in harbour. Job completed August 2019.





#### Kaiti Beach Rd walking track

Eastland Port

- Joint project between EPL and GDC to build a track from the Waikahua cottage site to Kaiti beach is now completed.
- EPL has donated 100% of machinery, man power and materials to build the track
- Will link with Kaiti beach seawall project
- Opened to the public 28 Sept
   2019







#### Inner Harbour Redevelopment



- Delivery of portion of Inner Harbour Redevelopment on EPL land
  - Works waterside of railway track and Shed 3
- To be completed in stages
  - 1. West complete
  - 2. North underway
  - 3. South
  - 4. East







## Other items/next meeting

Any other items to raise?

