

### SHOALHAVEN REGION

#### 4 CASE STUDIES

**CASE STUDY [1]: Photo 1:** A bridge near the Vincentia boat ramp built by Wardrope & Carroll using H30 (30mm thick) Envirowalk Sand Yellow Mini **EnviroMesh** Premium grade type I (Iso) resin with grit anti-slip surface. More than 10 years after install and the Mini **EnviroMesh** still looks great and retains the P5 anti-slip rating.



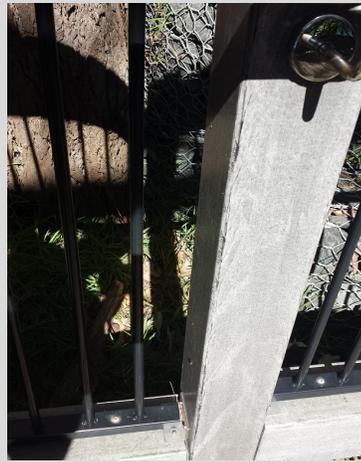
**CASE STUDY [2]: Photos 2 & 3:** The Vincentia Elevated walkway where the initial bulk of the FRP products were supplied by a different Australian supplier: This structure is an excellent example of why Buyers should take care with from whom they source their materials: The problems encountered were: [a] The initial supplier ignored original specifications for the structural items to be coated with polyurethane or similar protective coating. This has resulted in [i] early deterioration of the structural members where small spiral type cracks have appeared along the corners of the SHS (refer photos 4 & 5). [ii] Several sections have been eroded by the elements to the degree where the glass fibres beneath the resin are now exposed (Refer photo 6) [iii] unwanted fading (This can be noted especially in photo 2 where the correctly coated supports supplied in the latter stages by Envirowalk are significantly darker than the original - These photos were taken some 3 years after construction.) Photo 7 reveals delamination blisters on some of the structural channel initially supplied by the original supplier. Photos 8 & 9 indicate low quality production methods where the surface veil has been distorted during the molding process and even folded back on itself. The project manager was so frustrated by the low quality product and poor service from the original supplier that he contacted Envirowalk and ordered 12 panels of the Sand Yellow Mini **EnviroMesh**, 495 lineal metres of the Structural Channel and 30 metres of the SHS - all of which were supplied with the specified protective PU coating and all of which have remained in pristine condition with photos taken more than 5 years after install. The photos clearly show the difference.

1.

2.

3.

Photos 4 & 5 below reveal significant signs of cracking & deterioration



4.

5.

Photo 6 below showing where deterioration has exposed glass fibres.



6.

7.

**CASE STUDY [3]: LAKE CONJOLA NSW:**

A 410 metre elevated boardwalk where all structural members, Envirowalk Mini **EnviroMesh** & H40 Mini-Mesh **EnviroTreads** were supplied by Envirowalk as per the full specifications with protective PU coating on all structural and handrail members. All Mini **EnviroMesh** & **EnviroTreads** manufactured only with pure, unblended, premium grade Type I (Iso) resin with a fine grit P5 rated anti-slip surface. NB: Photos 10, 11 & 12 were taken some 5 years after install and there has been no deterioration of either the structural members or the decking.



8.

9.



12.



10.



11.

### CASE STUDY [4]:

#### MINNAMURRA RAINFOREST NSW:

Our very first customer in 2007 and it is still going as they change sections of the layout! At the time we were invited to supply there was only one small viewing platform and about 100-150 metres of walkway refurbished but there are now approximately 4 kms of Envirowalk H30 Mini **EnviroMesh** dark grey/charcoal with fine grit anti-slip surface. The track has spectacular elevated sections and viewing platforms along the loop walk and the track branching up to the Falls. It is a long up-hill walk on the way out but it is well worth it. Take a cut lunch and have a couple of relaxing stops at some of the viewing platforms!

This is one trail that should be on everybody's 'Bucket List'!!

All **Envirowalk** FRP **EnviroMesh**, **EnviroGrate** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin, ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.



Take a seat & relax at the Falls!



Enjoy the view!



The swing bridge is great & the views from the walkway brilliant!



### **Envirowalk** PRODUCTS IN POPULAR USE:

H30 (30mm thick) Mini and Micro **EnviroMesh** with custom made **EnviroTread** Landing panels and stepdowns  
All with Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

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