



**{In Archive} Re: Traveling Screens** 

**John King** to: palmeag

02/09/2011 12:48 PM

From: John King/R1/USEPA/US  
To: palmeag@nu.com  
Archive: This message is being viewed in an archive.

Allan,

The Internet let's you respond to quires rapidly ... thank you for your explanation.

John

palmeag

John, "Upsteam" is the side the water enters and...

02/09/2011 12:40:53 PM

From: palmeag@nu.com  
To: John King/R1/USEPA/US@EPA  
Cc: Ericp Nelson/R1/USEPA/US@EPA  
Date: 02/09/2011 12:40 PM  
Subject: Traveling Screens

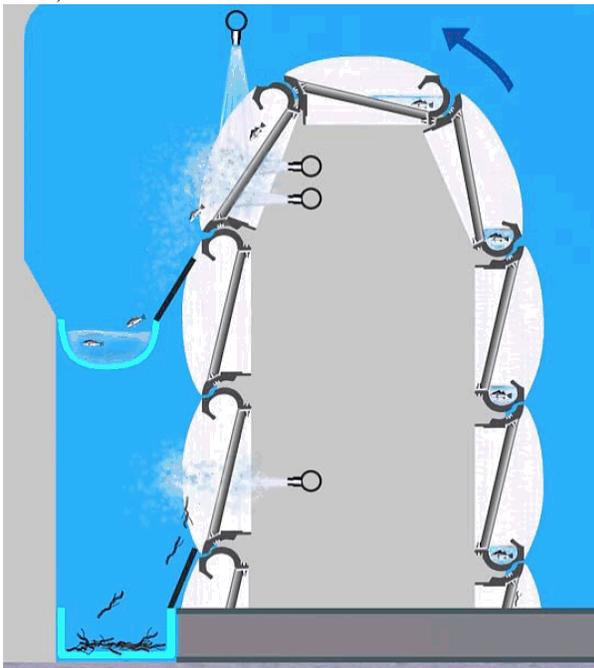
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John, "Upsteam" is the side the water enters and "downstream" is where it exits. I believe the "shelf" is the lower support of the individual screen structure (the bottom black edge in the picture). Newer vintage screens have molded the shelf into a "basket" that can more effectively collect and transport fish and debris.





Modified vertical traveling screens are conventional traveling screens fitted with a collection "bucket" beneath the screen panel. This intake screening system is also called a bucket screen, Ristroph screen, or a Surry Type screen. The screens are modified to achieve maximum recovery of impinged fish by maintaining them in water while they are lifted to a release point. The buckets run along the entire width of the screen panels and retain water while in upward motion. At the uppermost point of travel, water drains from the bucket but impinged organisms and debris are retained in the screen panel by a deflector plate. (Richards, 1977; Mussalli, 1977; Pagano et al., 1977; EPA , 1976).



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**{In Archive} Traveling Screens**

**palmeag** to: John King

Cc: Ericp Nelson

02/09/2011 12:40 PM

From: palmeag@nu.com  
To: John King/R1/USEPA/US@EPA  
Cc: Ericp Nelson/R1/USEPA/US@EPA

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History: This message has been replied to.

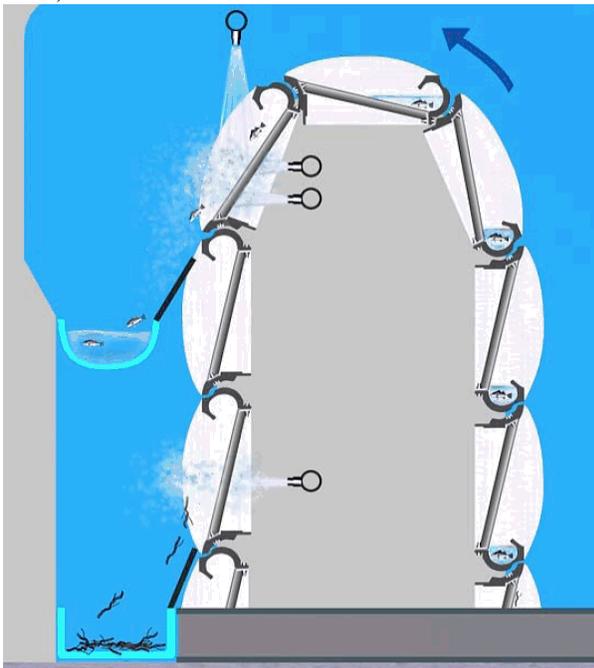
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