



### **RIVER JOURNEY 4000 (VIDEO)**

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<https://vimeo.com/92641875>

#### PURPOSE OF IMAGE

For some reason I have always been super fascinated with the personal VHS tutorial videos -- especially the individual meditation tapes. For example, Sun Valley Videos was a production company back in the 1980s and the early 1990s where they would produce tapes that were meant to relax and calm the viewer, others were meant to hypnotize and so forth. But what they all had in common was that they utilized flow visualizations in their meditative methods. One in particular that I remember had these bizarre segments of water flowing, and a surreal voiceover that was meant to attempt to entrance the viewer. The narrator said something along the lines of, "You look at the water and you become the water." Nonetheless, there was something about them that seem otherworldly to me. I cannot really explain it, but their "lo fi" analog production, and their whacky commentary always really captivated me. So for the final assignment, I tried to utilize this VHS introspective tutorial style and I attempted to apply it to my flow visualization investigation. I wanted it to seem like a sliced out fragment from one of those videos.

#### DATE OF IMAGE

The video of the flowing water is of the Boulder Creek, and it was shot on April 24<sup>th</sup> 2014. One could tell that it was obviously shot in the spring due to the murkiness of the water. The creek turns to a mud tint in the springtime during spring runoff in the Rockies. The cloud video was also shot in Boulder on the same day, and roughly at the same time, 2 PM.

## FLOW IN NATURAL RIVERS

When the surface of water touches both sides of its' banks, the ejection flowing through the watercourse at this phase is called the "bank full discharge." So at this time considering spring runoff, there was a pretty heavy flow, so the river was in the bank full of discharge stage. In my video one can also see the variation of surface velocity across the river section. For example in the beginning of the video I documented the center of the river section. The flow seems to be gushing at a fast pace. This is because the velocity is at its' highest in the center of the stream flow. Then the following image, I documented the rocky banks of the river flow. The banks are where the river is at its' slowest, so there was not that much movement or flow within this section. So inside my video I demonstrate this variation of a river flow's velocity depending on what section the viewer is looking at.

## VIDEO TECHNIQUES

This was all captured on an iPhone 5s. There was some minimal post-production applied to the video in Final Cut Pro 7. For example, I used the "Bevel"/"Crop" filter in order to bevel/crop the edges of the river video. I also fast forwarded the cloud image twice its' natural rate.

## CONCLUSION

This video documents the flow dynamics of a natural system, and it was an attempt to reconstruct a segment from a VHS tutorial video. The only element that I am frustrated about is the murkiness of the water. I imagine if I would of gone a couple miles up Canyon Boulevard I could of captured a clearer section of the river. This would have enhanced the river flow documentation.

## WORKS CITED

[http://en.wikipedia.org/wiki/Eddy\\_\(fluid\\_dynamics\)](http://en.wikipedia.org/wiki/Eddy_(fluid_dynamics))

<http://nptel.ac.in/courses/Webcourse-contents/IIT%20Kharagpur/Water%20Resource%20Engg/pdf/m2l08.pdf>

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