

BesPhoto Starved Rock Workshop - cheat sheet			
Aperture	Shutter Speed	Depth of field	Terms (bold is preferred)
F1.8	Bigger opening	Less depth of field	Fast
F2.8	More light hits sensor	Background blurred	Low (number, F-stop)
F4	Faster shutter speed		Big (opening)
	Less motion blur		
	Frozen water		
	Frozen action		
F16	Smaller opening	More depth of field	Slow
F22	Less light hits sensor	Background in focus	High (number, F-stop)
F32	Slower shutter speed		Small (opening)
	More motion blur		
	Smooth water		
	Blurred runners		
ISO	Shutter speed	Noise/grain	Terms
100	Less sensitive to light	No noise/grain	Low
200	Slower shutter speed		
	More motion blur		
	Smooth water		
	Blurred runners		
1600	More sensitive to light	Noisy/grainy	High
3200	Faster shutter speed		
	Less motion blur		
	Frozen water		
	Frozen action		
What mode should I use?			
Aperture priority (Av)			
What ISO generally won't show noticable noise/grain?			
Depends on the camera, but try 400 or 800, test your camera by putting it on a tripod and taking the same picture with all ISOs and looking at them and printing them			
What shutter speed won't show motion blur?			
For non-moving subjects: you want at least 1/lens focal distance, meaning if you have a 50mm lense you want at least 1/50th of a second, or for a 400mm lens you want 1/400th of a second			
For moving subjects: a kid playing, 1/250th, a water droplet, 1/400th, a pro athlete or racecar without panning: 1/1000th, a racecar with panning (blurred track, focused car): 1/250th			
What shutter speed will show smooth water?			
At least 1/10th of a second for mostly smooth water			
At least 4 seconds for silky looking water			