

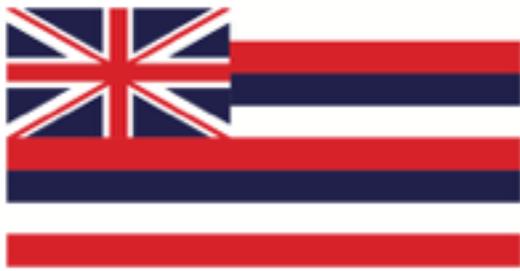
2018 Hawaii Adaptive Surfing Classification

The HASC classification system is in development and strives to facilitate an inclusive classification system that levels the playing field of competitive adaptive surfing. The classifications are divided to prevent one sided predictable competition, in which the least impaired athlete always wins. Based on each individual athlete's functional ability, the system determines if athletes meet the minimum eligibility requirements and identifies how to group the athletes together for competition in each division to the extent the champions event can accommodate.

Athlete Survey Subjective Assessment

Filling out this survey assists us in understanding your individual abilities as well as helps us better define HASC divisions and subclasses.

Sport Class	Sub-Classes	Description
Stand without paddle		Surfers who ride waves in a standing position with or without orthotics and/or prosthesis. Surfers must be independent catching waves and recovering after wave.
Essential Functions		balance, paddling, back extension, range of motion, strength lower extremity/ upper extremity (LE/UE), endurance, coordination
Minimum Eligibility	Must meet 1 of these	No function of one hand/foot or -33% Limb discrepancy??? or 2 SD below average development of extremities.
Objective		Articulation of each joint, Squat, alternating stairs with and without prosthetic, pop-up, trunk and shoulder MMT (speed, quality, strength)
0-1.49	1	Severe (functional limited): Surfers that have severely compromised range of motion and motor control of one LE. Severely compromised coordination in one lower extremities. Surfers that have severely compromised standing balance. Surfers with above the knee limb deficiency and have severely compromised standing balance.
1.5-2.49	2	Moderate: Surfers that have moderate loss of range of motion in one lower extremity and trace active motion in one lower extremity. Surfers with below the knee deficiency and moderately compromised standing balance.
2.5-3	3	Mild: Surfers that have mild weakness and/or limited range of motion in all planes of motion of hips, knees and ankle joints (3/5). Surfers that have mildly compromised standing balance. Surfers that have unilateral upper extremity deficiency or limited strength and range of motion and surf in standing position.



Kneel		Surfers who ride waves in a tripod, kneeling or high kneeling position and are independent in catching waves and recovering from the wave.
Essential functions		Kneeling balance, trunk strength, dynamic LE high kneel, Hip extension and flexion, Range of motion, coordination
Minimum eligibility		No functional ability to stand on surfboard without prosthesis.
Assessment		High kneeling, short kneel, drop knee kneel, trunk rotation, use of support in kneeling, functional range (LE), coordination in kneeling pop-up
	1	Severe: Surfers with severe weakness in knees and hips. Surfers with severely limited RANGE OF MOTION in joints used for surfing (knees, hips, trunk). Surfers that have severely limited coordination and foot/hand reaction time.
	2	Moderate: Surfers with moderately lower body deformity and have moderately decreased RANGE OF MOTION and strength and ride waves in a kneeling position. Surfers that have moderate weakness and limited RANGE OF MOTION in knees, hips and spinal joints. Surfers with above the knee limb deficiency.
	3	Mild: Surfers with mildly compromised lower body strength and range of motion who ride waves in a half kneeling or kneeling position. Surfers with below the knee limb deficiency.
Sit		Surfers who ride waves in a seated position, catching and independent with recovery.
Essential functions		Sitting balance, trunk rotation and flexion/extension, grip strength, Hip extension and flexion, UE strength, range of motion, coordination
Minimum Eligibility		No functional ability to stand unaided on a surfboard.
Assessments		Sitting balance, recovery from front flexion and side flexion, back extension, equipment and strapping,
Sit Paddle		Surfers who ride waves in a seated position and use a paddle to catch and maneuver independently on wave.
	1	Severe: Surfers that have severely limited trunk function as well as severely limited LE function. They apply force predominantly using the arms and/or shoulders. Surfers that have severe coordination or limited arm function. Severely compromised sitting balance (trunk/ leg function combined).



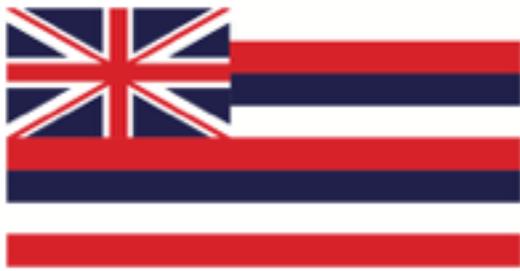
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	2	Moderate: Surfers that have moderated limited leg and/or hip function with good arm strength (UE MMT 5/5). Surfers that have good seated balance and do not use a backrest on the surfboard. Surfers that have moderate coordination or moderately limited range of motion in all essential joints for sit surfing. Moderately compromised sitting balance.
	3	Mild: Surfers that have normal trunk function and mildly limited leg function. They sit in a forward flexed position and do not need a backrest to maneuver and catch waves. Surfers that have mild loss of coordination or mildly limited range of motion and loss in all essential joints for sit surfing. Mild to no compromised sitting balance.
Sit No Paddle		Surfers who ride waves in a seated position and do not use paddles or other equipment to paddle into waves or maneuver on waves. Grip strength not essential. Independent catching and recovering from riding and exiting waves.
	1	Severe: Surfers that have severely limited trunk function and severely limited lower extremity function. They apply force predominantly using the arms and/or shoulders. Surfers that have severe loss of coordination and/or arm function. Severely compromised sitting balance.
	2	Moderate: Surfers that have moderately limited leg, hip and trunk function with good arm strength. Surfers that have moderate loss of coordination and arm function. Moderately compromised sitting balance.
	3	Mild: Surfers that have trunk function and mildly limited leg function. They sit in a forward flexed position and do not need a backrest to maneuver and catch waves. Mild to no compromised sitting balance.
Prone		Surfers who ride waves in a prone position and can paddle into a wave and recover independently.
Essential functions		Back extension, neck extension, prone push up, UE strength, RANGE OF MOTION, coordination, arm length, paddle strength
Minimum Eligibility		No functional ability to stand or kneel on surfboard.
Assessments		Sitting balance, recovery from front flexion and side flexion, MMT back extension, equipment and strapping, press-up 20 second hold, grip of 10 lbs., plank 20 sec hold, shoulder-internal rotation, deltoids, biceps, triceps,
	1	Severe: Surfers that have severely limited paddle strength of the upper extremity and/or range of motion loss. Surfers that have severely limited coordination of the upper extremities and trunk. Surfers with severely limited leg function. Surfers that are severely limited in lifting head and arching back while in a prone position. Surfers that are unable to or are severely limited in pushing up in a prone position.



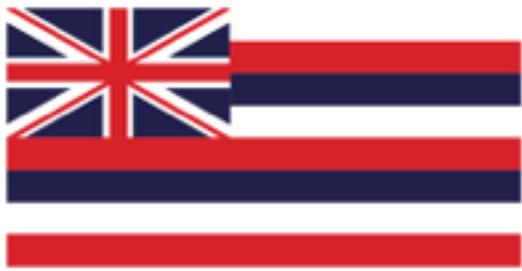
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	2	Moderate: Surfers that have moderate loss of trunk function and moderately limited hip and lower extremity strength and coordination. Surfers that have moderate weakness in the upper extremities. Surfers that are moderately limited in pushing up in a back and head arched position.
	3	Mild: Surfers that have mild weakness and coordination in the trunk and hips. Surfers that have mildly limited leg and hip function and can balance in seated position with no hands. Surfers that are able to push trunk up in a back arched position against gravity.
Assist (prone)		Surfers who ride waves in any position and require assistance to paddle into waves, exit waves and recover from a wipeout. Surfers will not be permitted to paddle during competition.
Essential functions		Back extension, neck extension, prone push up UE strength, RANGE OF MOTION, coordination, standing balance, paddling, back arch, joint range, strength LE/UE, endurance
Minimum Eligibility		No functional ability to paddle in forward motion on surfboard and/or recover from water onto board independently.
Assessment		Surf style assessments, recovery back to board with degree of assistance, rescue, grip, shoulder MMT, pop-up coordination
Assist Upright		Surfers who ride waves in upright stand/kneel position and need assistance to paddle into waves and paddle to exit waves and water recovery.
	1	Severe: Surfers that have severely compromised range of motion in lower extremity joints and/or no active motion in all lower extremities. Severely compromised coordination in lower extremities. Surfers with severely compromised standing balance on a board and cannot catch waves independently. Severely compromised endurance.
	2	Moderate: Surfers that have moderate range of motion in lower extremity joints and moderate active motion in lower extremities (LE MMT 3+). Surfers with above the knee deficiency. Surfers with moderately compromised standing balance on a board and cannot catch waves independently. Surfers with bilateral limb deficiency and/or limited development of extremities or severe bilateral upper extremity weakness. Moderately compromised endurance.
	3	Mild: Surfers that have mild weakness and mild limited RANGE OF MOTION in all planes of motion of hips, knees and ankle joints. Surfers with below the knee deficiency. Surfers with mild compromised balance on a board and cannot catch waves independently. Mildly compromised endurance.
Assist Prone		Surfers who ride waves in prone position and need assistance to paddle into waves and paddle to exit waves and recover.



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	1	Severe: Surfers that have severely limited paddle strength of the upper extremity and range of motion loss. Surfers that have severely limited coordination of the upper extremities and trunk. Surfers with no leg function. Surfers that are severely limited in lifting head and arching back in a prone position. Surfers that are unable to or are severely limited in pushing up in a prone position. Severely limited endurance.
	2	Moderate: Surfers that have moderate trunk function and limited hip and lower extremity strength and coordination. Surfers that have moderate weakness in the upper extremities. Surfers that are moderately limited in pushing up in a back and head arched position. Moderately limited endurance.
	3	Mild: Surfers that have mild weakness and coordination in the trunk and hips. Surfers that have mildly limited leg and hip function and can balance in seated position with no hands. Surfers that are able to push trunk up in a back arched position against gravity. Mildly limited endurance.
Mixed		Surfers that do not meet the above classification criteria or do not have enough registered surfers for a full heat.
Essential Functions		Back extension, neck extension, prone push up UE strength, RANGE OF MOTION, coordination, standing balance, paddling, back arch, joint range, strength LE/UE, endurance
	1	Severe: Surfers severely limited in all functional tasks of surfing such as paddling, balance, vision and coordination. Or Surfers that do not meet the above classification criteria or do not have enough registered surfers for a full heat.
	2	Moderate: Surfers moderately limited in all functional tasks of surfing such as paddling, balance, vision and coordination. Or Surfers that do not meet the above classification criteria or do not have enough registered surfers for a full heat.
	3	Mild: Surfers mildly limited in all functional tasks of surfing such as paddling, balance, vision and coordination. Or Surfers that do not meet the above classification criteria or do not have enough registered surfers for a full heat.
Wounded Warrior		Surfers that are active duty or veteran military service members that are wounded, injured or battling illness.
Essential Functions		Back extension, neck extension, prone push up UE strength, RANGE OF MOTION, coordination, Standing balance, paddling, back arch, strength LE/UE, endurance
Physical (A)		Wounded warriors that have a diagnosed physical disability.



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	1	Severe: Surfers that experience weakness, reduced RANGE OF MOTION and incoordination that severely affects all essential functions of WW surfing.
	2	Moderate: Surfers that experience weakness, reduced RANGE OF MOTION and incoordination that moderately affects 5 or more essential functions of WW surfing.
	3	Mild: Surfers that experience weakness, reduced RANGE OF MOTION and incoordination that mildly affects 2-4 essential functions of WW surfing.
Psychosocial (B)		Wounded warriors that have a diagnosed mental illness, or other non-physical disability.
	1	Severe: Surfers that experience signs and symptoms of mental illness that severely affects all essential functions of WW surfing.
	2	Moderate: Surfers that experience signs and symptoms of mental illness that moderately affects essential functions of WW surfing.
	3	Mild: Surfers that experience signs and symptoms of mental illness that mildly affects essential functions of WW surfing.
Vision		Surfers who have a visual impairment. Classification is still in the research and development phase to properly classify visually impaired divisions.
Deaf		Surfers who are medically diagnosed mild hearing loss, moderate hearing loss, severe hearing loss and/or profound hearing loss.