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Floatation Summary:

3 Trauma boards used for floatation; 1) Board weighted 13.35 lbs with foam and Bamboo. 2) Board weight of 14.5 HDPE and Foam. 3) Board weight 13.45 HDPE and foam. Each board relative to 1) Trauma 600 2) Trauma 900 3) Trauma 900.

Each board was lowered into the pool by the study subject. It was notably easy for each board to be maneuvered into and under the water. It was also evident that each subject tested had little if no difficulty getting onto the board for floatation. Subjects weights 127 lbs. 155 Lbs and 165 Lbs are consecutively pictured in photos. It is noted that at maximum body weight of 165 Lbs, all subjects were physically fit and had minimal body fat making body floatation more a property of the board than of the body. Each subject tended to float within the lower segment of their body mass.

Test Results:

All trauma boards are considered to be water agile. As examined current board configurations would be an assistive device in water rescue. The floatation capacity of each board appears to be relatively unaffected by Bamboo. Though not a true floatation device, the ability of the board to assist in water carry is well balanced with the ease of getting the patient on the board in the water.

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