

Survival Factual Report – Attachment 9
Medical and Pathological Information

SURVIVAL FACTORS

ERA18MA099

Seat	Sex	Age	Ht. (in.)	Wt. (lb.)	Injury Description	NTSB Classification
Pilot	M	34	69	178	Abrasions to left knuckles, Contusions inside right palm of hand	Minor
Front	M	26	73	188	Pulmonary edema, marked, with abundant froth in mouth, laryngo-pharynx, larynx, trachea, bronchi, and lungs; 1/4 x 3/16" contusion, medial aspect, left eyebrow; vertically oriented 7/16 x 1/8" abrasion, bony portion nose; vertically oriented 3/4" long <1/16" wide abrasion, above left angle of the mouth; vertically oriented, 1 1/4 x 1/4 abrasion lateral to left angle of mouth; 3/4 x 1/4" contusion below left angle of mouth; two superficial, focally contused abrasions, posterior torso flanking lower lumbar region measuring 1 x 3/3" and 1 x 1/2"; 2 x 1 1/4" gray, yellow contusion, anterolateral aspect of upper-mid right thigh; 1/2 x 1/4" bright orange/red superficial abrasion, right lateral malleolus; 1/4 x 3/16" superficial tan abrasion, dorsal left foot, proximal to big toe; several focally superficially abraded contusions and abrasions scattered on knees and shins, ranging from 1/4 to 1"; blood (femoral) ethanol 0.18 G%; vitreous humor ethanol 0.22%; COD - Drowning	Fatal
1	F	29	63	116	Fluid within sphenoid sinus, lungs and stomach with frothy material in the bronchi; 2 x 1/4" red linear abrasion on right forehead; 1 1/4" cluster of red, oval and linear contusions on the right side of forehead, 1" circular blue contusion on right temple; 1 x 2" cluster of red, oval abrasions on right cheek; three 1/2" red, circular contusions surrounding the left eye; 1 x 1 1/2" cluster of purple, oval contusions and red, oval abrasions on the nose; two 1/8" red, circular abrasions on the right side of the lower lip; a 1/2" red, circular contusion below the chin; 3 x 2" cluster of oval, frontal and a 1 1/2" cluster of oval, occipital subscalpular hemorrhages; focal, oval purple parenchymal contusions of the posterior side of both lungs; 1 1/2 x 1" red, oval contusion on the distal anterior right forearm; 1/8" red, linear abrasions on the dorsal right hand; 3 x 1" cluster of red, oval contusions on the left shin; 1/2" red-blue contusions on the right thigh; COD - Drowning	Fatal

Seat	Sex	Age	Ht. (in.)	Wt. (lb.)	Injury Description	NTSB Classification
2	M	26	68	218	Fluid within sphenoid sinus and lungs with frothy pulmoary edema throughout all lobes; 1/2" vertical, linear abrasion on the midline forehead at the scalp line; 1 x 1/2" purple contusion on left upper eyelid; patchy subscalpular hemorrhages on the vertex occipital and left temporoparietal scalp, measuring up to 1" in greatest dimension; two yellow/brown contusions mesuring 3 1/2 x 1 1/2" and 1 1/2 x 1" on the left upper chest; 1/4" superficial incised wound on the lateral left thumb just adjacent to the fingernail; 1 x 1/2" purple contusion on the lateral left thigh; several purplr/brown contusions on the anterior left leg and knee, measuring up to 1" in greatest dimension; blood (femoral) ethanol 0.03 g%; vitreous humor ethanol 0.04 g%; COD - Drowning	Fatal
3	M	34	73	238	Fluid within the sphenoidal sinuses; 1/4 x 1/8" purple contusion lateral to the right eye; 1/16 x 1/8" red abrasions to right upper lip mucosa and bilateral lower lip mucosa; 1/2" oval red contusion on middle lower lip mucosa; on internal examination deep scalp had a 1 x 3/4" red contusion on the right frontal region; 3 1/2 x 1/8" oblique linear red abrasion on the lower right lumbar region; 3/8 x 1/8" red abrasion on lateral ankle and 1/4 x 1/8" red abrasion on the distal shin of right lower extremity; 1/2 x 1/4" red abrasion on distal shin of left lower extremity; hypothermia (clinical, body temperature of 86 degrees) COD - Drowning	Fatal
4	M	29	75	211	Fluid in sphenoid sinus; hemorrhage in the petrous portion of the temporal bones; marked watery and frothy pulmonary edema; 1/2 x 1/2" red petechial contusion of the left upper eyelid; 7" linear, roughly vertical, red/purple abrasion of the right parasternal chest; 6 1/2" linear, oblique, brown abrasion of the left chest; 7 1/2" linear, oblique, purplr/brown abrasion slightly below the left costal margin; 3/4 x 1/2" ovoid, purple contusion of the interior left knee; 1/4" circular, purple contusion of the proximal lateral left leg; COD - Drowning	Fatal