

AIRBORNE LASER HYDROGRAPHY II

APPENDIX A. STANDARD WORDS, PHRASES, ACRONYMS

Acronym	Meaning	Section
3DEP	3D Elevation Program	5.4;
AEL	Accessible Emission Limits	3.5;
ALARMS	Airborne Laser Radar Mine Sensor	2.2;
ALB	Airborne Lidar Bathymeter	2.0; 2.2; 2.3; 2.4; 3.0; 3.1; 3.2; 3.3; 3.4; 3.5; 4.4; 5.0; 5.1; 5.2; 5.3; 5.4;
ANSI	American National Standards Institute	3.1; 3.5;
AOL	Airborne Oceanographic Lidar	2.3; 3.1;
AOP	Apparent Optical Property	2.0; 2.3; 4.3;
APD	Avalanche Photodiode	3.1; 3.3; 3.4;
ASCII	American Standard Code for Information Interchange	5.3;
ASPRS	American Society of Photogrammetry and Remote Sensing	5.3;
BIST	Built-In Self Test	5.2; 5.3; 5.4;
BRDF	Bidirectional Reflectance Distribution Function	2.4;
CASI	Compact Airborne Spectrographic Imager	2.2
CCRS	Canadian Centre for Remote Sensing	2.2;
CHARTS	Compact Hydrographic Airborne Rapid Total Survey	5.3; 5.4;
CHS	Canadian Hydrographic Service	2.2;
CIR	Color InfraRed	2.3;
COTS	Commercial-off-the-shelf	5.3;
CUBE	Combined Uncertainty and Bathymetric Estimator	5.4;
CW	Continuous wave	3.4
CZMIL	Coastal Zone Mapping and Imaging Lidar	3.1; 3.2; 3.3; 3.5; 4.3; 4.4; 5.4;
DEM	Digital Elevation Model	4.1;
DGPS	Differential Geographic Positioning System	3.1;
DSTO	Defence, Science and Technology Organization	2.1;
EAARL	Experimental Advanced Airborne Research Lidar	3.1;
ECEF	Earth Centered, Earth Fixed	4.1;
ECKV	Elfouhaily, Chapron, Katsaros, and Vandemark (wave spectrum)	2.2
eNOHD	Extended Nominal Ocular Hazard Distance	3.5
EnvRF	Environmental Response Function	3.2;
ERDC	Engineer Research and Development Center (USACE)	
EVLR	Extended Variable Length Records	5.3;
FDA	Food and Drug Administration	3.5;
FEMA	Federal Emergency Management Agency	2.3;
FOA	Försvarets forskningsanstalt (Swedish National Defense Institute)	2.2;
FOB	Fiber Optics Bundle	3.3;
FOV	Field of View	3.1; 3.2; 3.3;
FWHM	Full Width Half Maximum	3.2; 3.3;
GAPD	Geiger Mode APD	3.1;
GNSS	Global Navigation Satellite System	4.1; 5.4;
GPS	Geographic Positioning System	3.1; 5.2; 5.4;
IBF	IMU Body Frame	4.1;
IEC	International Electrotechnical Commission	3.5;
ICP	Iterative Closest Point	5.3
IHO	International Hydrographic Organization	3.1; 5.1; 5.2; 5.3; 5.4;
IMU	Inertial Measurement Unit	3.1; 3.5; 4.1; 5.2; 5.3;
ImpRF	Impulse Response Function	3.2; 4.3;
INS	Inertial Navigation System	5.2; 5.3;

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IOP	Inherent Optical Property	2.0; 2.3; 3.0; 3.3; 3.4; 4.2; 4.3;
JALBTCX	Joint Airborne Lidar Bathymetry Technical Center of Expertise	5.3; 5.4;
LADS	Laser Airborne Depth Sounder	3.1; 5.3;
LAS	Laser File Format (ASPRS)	5.3;
LGF	Local Geodetic Frame	4.1;
lidar	not LiDAR or LIDAR	
LMSL	Local Mean Sea Level	5.3;
MAPPS	A national association of photogrammetry, mapping and geospatial firms (originally Management Association of Private Photogrammetric Surveyors)	2.2;
MBES	Multibeam Echo Sounder	3.1; 5.3; 5.4;
MLLW	Mean Low Low Water	2.4; 5.3; 5.4;
MPE	Maximum Permissible Exposure	3.1; 3.5;
MOB	Main Operating Base	2.1;
NAD	North American Datum	3.1; 5.3
NADC	Naval Air Development Center	2.3;
NAVD	North American Vertical Datum	5.3;
NAVOCEANO	Naval Oceanographic Office	2.3;
NALL	Navigable Area Limit Line	5.1;
NCALM	National Center for Airborne Laser Mapping	2.2;
NCMP	National Coastal Mapping Program	2.3; 5.1; 5.3;
Nd:YAG	Neodymium-doped Yttrium-Arsenide-Garnet (crystal or laser)	2.3; 3.1; 3.5;
NED	North-East-Down coordinate system	4.1
NGS	National Geodetic Survey	5.4;
NOAA	National Oceanographic and Atmospheric Administration	2.3; 5.1; 5.3; 5.4;
NOHD	Nominal Ocular Hazard Distance	3.5;
MLLW	Mean Low Low Water	5.3; 5.4;
MPE	Maximum Permissible Exposure	3.1; 3.5
OCS	Ocean Coastal Survey	5.3;
ONR	Office of Naval Research	2.3;
PRF	Pulse Repetition Frequency	3.1; 3.5;
PFMABE	Pure File Magic (PFM) Area Based Editor	
PMT	Photomultiplier Tube	3.1; 3.3; 3.4
POS	Position and Orientation System	
PPK GPS	Post Processing Kinematic GPS	5.4;
PRF	Pulse Repetition Frequency	3.1; 3.5
QL	Quality Levels	5.4;
RAN	Royal Australian Navy	2.1;
REA	Rapid Environmental Assessment	4.4
RMSE	Root Mean Square Error	5.3; 5.4;
RTE	Radiative Transfer Equation	3.3;
SAV	Submerged Aquatic Vegetation	2.4;
SBF	Sensor Body Frame	4.1;
SFTF	South Florida Testing Facility	5.4;
SHOALS	Scanning Hydrographic Operational Lidar Survey	2.2; 2.3; 2.4; 3.1; 3.5; 4.4; 5.3; 5.4;
SW	Swath width	3.1; 3.3; 3.5
SNR	Signal-to-Noise Ratio	5.2
TSS	Topography of the Sea Surface	5.3;
THU	Total Horizontal Accuracy	5.3;
TIN	Triangle Irregular Network	5.3;

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Acronym	Meaning	Section
TVU	Total Vertical Accuracy	5.3; 5.4;
USACE	U.S. Army Corps of Engineers	2.2; 5.1; 5.3; 5.4;
USGS	United States Geological Survey	2.3; 5.4;
USM	University of Southern Mississippi	2.3
UTM	Universal Transverse Mercator	5.3;
VLR	Variable Length Records	5.3;
VSF	Volume Scattering Function	2.3; 3.3, 4.2; 4.3;
WRE	Weapons Research Establishment	2.1;
WGS	World Geodetic System	3.1;