NOAA DIVING NEEDS SURVEY AND ASSESSMENT

Office/Program:

Survey completed/submitted by:

I. OPERATIONS

A. Do you have an adequate number of divers to accomplish your goals and objectives?

Yes/No - briefly explain:

B. Do you currently have or anticipate a need for any of the following operations in the next 3-5 years?
See attached fact sheet for more information on categories. Please provide estimated # dives/year.

Current	Projected	
☐	☐	Shallow-water decompression diving with open-circuit scuba
☐	☐	Deep-water (e.g., >170 fsw/51 msw) mixed gas (i.e., Heliox or Trimix) decompression diving with open-circuit scuba
☐	☐	Shallow-water (e.g., <130 fsw/40 msw) decompression and/or non-decompression diving with semi-closed circuit rebreathers
☐	☐	Shallow-water decompression and/or non-decompression diving with fully-closed circuit rebreathers
☐	☐	Deep-water decompression diving with fully-closed circuit rebreathers
☐	☐	Shallow-water (e.g., < 170 fsw/51 msw) decompression and/or non-decompression diving with surface-supplied equipment
☐	☐	Diving in contaminated water requiring specialized equipment

C. Would your program find the following services/equipment useful to your operations if provided/organized by the NOAA Diving Center?

Specialized diving services (Indicate **H**igh, **M**edium, **L**ow, **N**one)

	Divemasters/supervisors
	General access to other NOAA divers (working and scientific divers)
	Temporary diver support
	Specialized dive teams (private and/or government affiliated) using rebreather & other mixed gases
	Surface supplied operations
	Saturation diving
	Medical support (DMT, EMT, Hyperbaric Chambers)
	Field mobilization (i.e. preparing ship operations and/or staff for a dive mission)
	Dive operation consultants (vessel modifications for diving)
	Compressor and/or NITROX system installation and/or training
	Vessel inspection (i.e. inspection of owned or to be purchased vessels for use as dive platforms
	Assistance in preparing and/or evaluating mock-drills of dive accident management plans
	Facility development (i.e. provide assistance in developing an on-site air fill station)
	Other (briefly explain)

Equipment/Technologies (see attached fact sheet for information on equipment/technologies - indicate**H**igh, **M**edium, **L**ow, **N**one)

	Rebreathers
	Tri-mix
	Heliox
	Nitrox
	Gas blending
	Recompression chambers
	Cameras/Photography
	Underwater communications
	Acoustic listening devices
	Other (briefly explain)

Procedures/Guidelines/Manuals (Indicate **H**igh, **M**edium, **L**ow, **N**one)

	Emergency procedures/Dive Accident Management Plans
	Assistance in writing/reviewing diver related contracts for personnel and/or equipment
	Promotional materials on the diving program (i.e., video, PowerPoint presentations, slide-shows, brochures, and handouts)
	Other (briefly explain)

Training Needs (Indicate **H**igh, **M**edium, **L**ow, **N**one)

	Surface-supplied diving techniques and procedures
	Decompression dive training for NOAA divers (Air, Tri-mix, Heliox) - Please include anticipated maximum depths and durations in "Other" section
	Recompression chamber operations
	Mobile training unit (science diver, working diver, medical, refresher)
	Condensed working diver training for experienced divers
	Condensed (i.e., 11-days) Emergency Medical Technician (EMT) courses
	Semi-closed circuit rebreathers
	Fully-closed circuit rebreathers
	Nitrox
	Diver Medical Technician (DMT) courses (5-days for basic and 6-days for advanced)
	Dive equipment maintenance & repair
	Research diving techniques and procedures (i.e., sampling techniques and procedures, use of specialized research equipment (i.e., quadrates, towed-diver sleds)
	Polluted water diving operations (self-contained and/or surface-supplied)
	Search and rescue
	Dive accident management and response
	Refresher/update training
	Underwater photography and/or videography
	Underwater communication devices
	Use of specialized tools/equipment: hydraulic and/or pneumatic-powered tools, diver-held sonar systems, air/water dredging, wireless communication for scuba, exothermic cutting systems
	Other (briefly explain)

II. RESEARCH AND DEVELOPMENT

Equipment (Indicate **H**igh, **M**edium, **L**ow)

	Testing of rebreathers (closed and semi-closed circuit) for use by NOAA divers
	Testing of equipment and/or development of equipment for polluted water diving
	Investigating new equipment for possible introduction into the SEP (back-mount BCs, weight-integrated BCs, reserve-air integrated BCs, trilaminated drysuits, air-integrated dive computers, various recompression chambers, etc.)
	Developing portable surface-supplied dive systems for shallow-water applications
	Testing of new commercially-available dive equipment for possible use by NOAA divers (e.g., a "consumer report" for dive equipment)
	Pressure testing of equipment for hyperbaric use
	Developing new equipment/systems to support dive operations (i.e., oxygen rebreather for the surface use to extend oxygen supply in an emergency, etc.)
	Testing of multi-gas dive computers
	Other (briefly explain)

Human physiology (Indicate **H**igh, **M**edium, **L**ow)

	Development and testing of new decompression tables (i.e., air with nitrox and/or oxygen decompression, heliair (helium and air mixture)
	Investigating/testing of computer-based decompression software
	Other (briefly explain)

III. ADDITIONAL COMMENTS