

## Unexploded Explosive Ordnance and Active Range Clearance Services

*Meeting technical and environmental challenges*



Since 2005, DCC has been recruiting top experts in UXO survey and clearance to support the CF and the DND UXO and Legacy Sites Program to provide environmental stewardship for the many range and training areas on CF bases. With ongoing projects such as Ipperwash, Vernon, Petawawa and Lac St. Pierre, our UXO teams work on site to identify, assess and manage the risks presented by all munitions explosives of concern on active and legacy sites.

Removing unexploded explosive ordnance (UXO) and active range clearance is an expanding requirement for the Department of National Defence (DND). In some cases, contaminated areas are discovered as infrastructure projects progress, while other sites are exposed over time.

While most UXO such as artillery shells, grenades, mortars or air dropped munitions are found on active ranges, a significant amount is from the World War II-era. Since UXO have not detonated, they may be visible on the surface or buried underground, hidden by vegetation, or lay beneath the sea. When past clean-up jobs do not live up to today's current regulatory standards or records are not available, DCC can assist by providing expertise to assess conditions against the intended future land use.

### Common environmental goals

As DND faces these challenges, DCC is available to act as a representative on behalf of the department for UXO assessment and removal. Sharing the client's goals of sound environmental stewardship, DCC is committed to acting on behalf of the client's interest, rather than only a contractor's perspective. This means that the future interests of the client are taken into account on every project. The Corporation's history of working with variables in geology, soil types, topography, environmental, cultural, and heritage property limitations make it a reliable resource for DND.

### Getting the job done

Given its location on most Canadian military bases, DCC is well-positioned to provide guidance, advice, and oversight for environmental protection and stewardship, including national environmental issues, objectives, and targets. DCC's role on behalf of the department is to ensure that all work associated with UXO clearance is done right. This includes everything from the contracting, contract management, risk assessment, and quality assurance to evaluating the reliability of certain sites and determining contamination levels by checking against current equipment and regulatory standards. In addition to its environmental service line, DCC is pleased to offer its contracting and contract management experience to UXO clearance.





### **UXO services**

DCC has established itself as a technical authority for UXO, and can provide the following services to the client:

- Developing a Statement of Work,
- Performing technical reviews,
- UXO avoidance and site supervision,
- Site assessments and characterization,
- Project management support, and
- Ordnance investigation and removals.

Building on its other infrastructure services, DCC is well positioned to be the corporate memory for the department's UXO issues.

### **Benefit of experience**

DCC can take its broad portfolio of experience and apply its knowledge to other infrastructure project areas affected by UXO, including:

- Protecting ecologically significant areas,
- Working with First Nations communities and Aboriginal set-aside projects,
- Working with Canadian and international contractors,
- Working with DND environmental policy, and federal and provincial laws and regulations,
- Protecting public and non-public properties and assets held in public trust, and
- Pre-planning for the safe, cost effective and timely removal of UXO.

### **DCC's services cover all the bases**

Defence Construction Canada is a Crown corporation whose mandate is to provide innovative and cost-effective contracting, construction management and infrastructure-related services for the Department of National Defence, the Canadian Forces and the defence of Canada.

DCC employs more than 800 professionals—among them engineers, engineering technicians and technologists, environmental engineers and technologists, experienced tradespeople and other professionals—and maintains offices at all of the Canadian Forces' bases, wings and area-support units.

### **Contact us**

For more information on DCC's UXO assessment and removal services, call (902) 426-3086 or e-mail: [Austin.Baird@dcc-cdc.gc.ca](mailto:Austin.Baird@dcc-cdc.gc.ca).

To learn about DCC's complete line of services, visit [www.dcc-cdc.gc.ca](http://www.dcc-cdc.gc.ca), call 1-800-514-3555 or e-mail [info@dcc-cdc.gc.ca](mailto:info@dcc-cdc.gc.ca).