



Facilitating Environmental Remediation

Amelia Hans

College Park Scholars – Science & Global Change Program
Environmental Science and Policy

ahans12@umd.edu

CPSP359G

College Park Scholars Academic Showcase, May 9, 2025



Information About My Work Site:

Sevenson Environmental Services, Inc. Baltimore Office
3600 O'Donnell St, Baltimore, MD 21224, (716)-284-0431

Supervisor: Alan Elia

Mission: Use Sevenson's decades of experience since the remediation of Love Canal to provide quality remedial construction across the United States.

Goals of My Site: Create bids to successfully persuade clients to choose Sevenson for their environmental remediation needs.

The Issue Sevenson is Addressing:

- A former pesticide production plant in Jacksonville, Florida is contaminated with various chemicals, arsenic, and TENORM
- The area must be treated and any dangerous substances contained for the betterment of the surrounding areas and the St. Johns River
- The area is classified as a Superfund Site, and as such must be addressed per EPA regulations as well as obeying RCRA and CERCLA
- A proposal must be created to convince the company owning the land to let Sevenson remediate it with a plan approved by the Florida Department of Wildlife
- Plans must take into account any vulnerable or endangered species in the region (eg. Manatees).



The St. Johns river, the river that runs along the job site, taken from Federal Point, Florida. Image from <https://www.britannica.com/place/Saint-Johns-River>

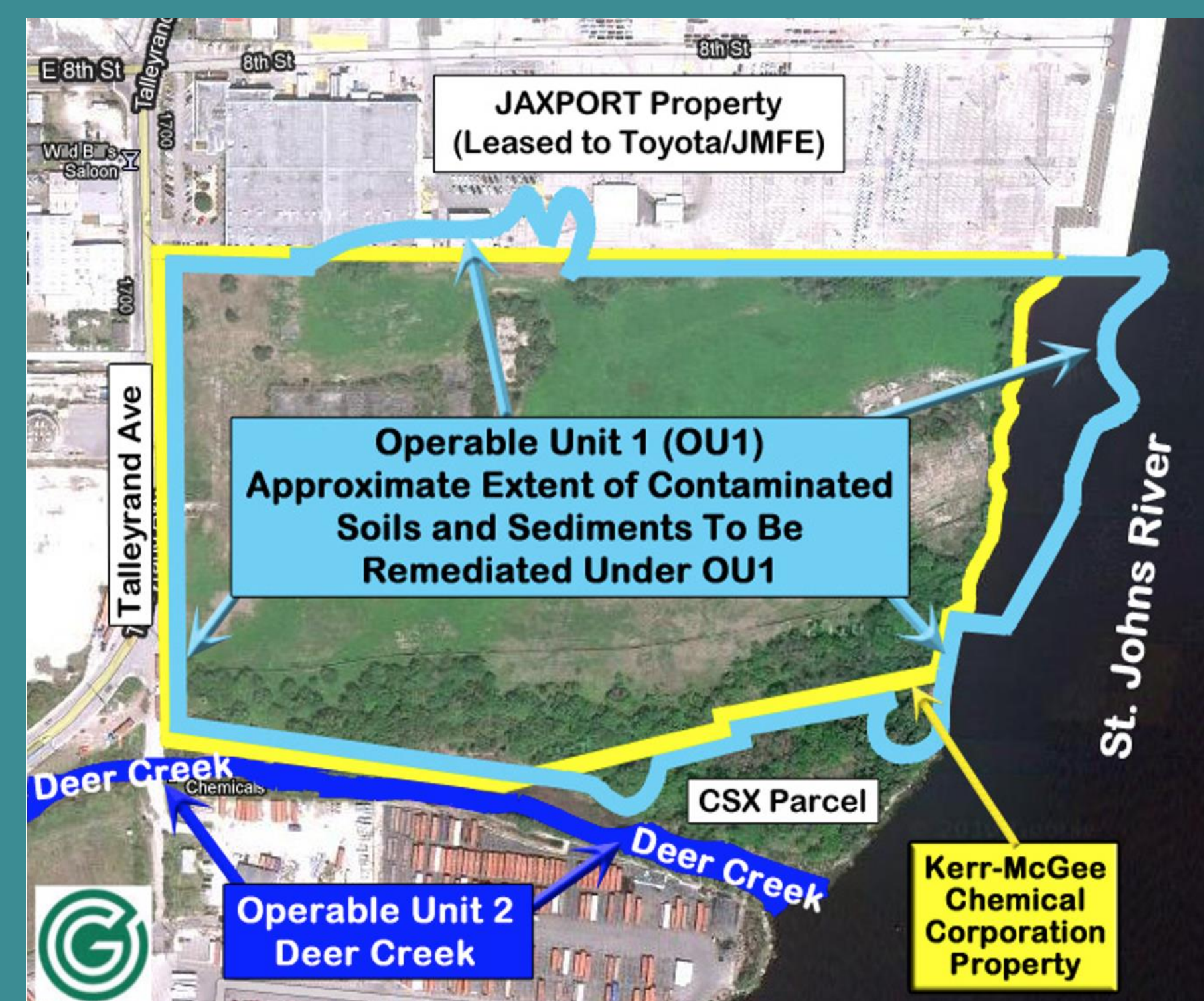
Site Impacts:

Sevenson won the bid in Jacksonville, so the work I did helped to make sure the ecosystems around the bid site will not continue to be subject to contamination from the hazardous materials at the site. This internship absolutely left a lasting impact on and left me with...

- New knowledge and appreciation of the work and money that goes into making contaminated sites clean again
- Practice working in a professional setting, as well as communicating across companies and the etiquette that goes along with that
- Improved interpersonal skills when communicating with coworkers and clients alike



An aerial shot of the demolished chemical pesticide plant in Jacksonville. Image from <https://multistatetrust.org/press-releases/major-cleanup-began-january-2025-at-kerr-mcgee-jacksonville-superfund-site-in-person-availability-sessions-to-be-held-january-14-2025>



A bird-eye view of the site with labelled areas of concern. Image from <https://multistatetrust.org/press-releases/major-cleanup-began-january-2025-at-kerr-mcgee-jacksonville-superfund-site-in-person-availability-sessions-to-be-held-january-14-2025>

My Duties:

As an intern for Sevenson, I...

- Assisted with estimating project costs for several bids, including the main Jacksonville Project detailed in the "Issues" section
- Aided in the creation of project plans to share with clients
- Created project schedules
- Attended weekly meetings with clients to discuss progress on several projects
- Relayed project information to subcontractors

Future Opportunities for Sevenson:

Getting the Jacksonville bid will allow Sevenson to...

- Build its reputation with the client and the Florida Department of Wildlife
- Open the door to new potential bids in the area
- Build on the corporation's set of references
- Show their expertise in environmental remediation

Acknowledgments:

Dr. Holtz, Dr. Merck, the College Park Scholars Program, SGC, Alan Elia, and everyone at Sevenson Environmental Services Inc.

