



GIS INNOVATION & CO-OP COLLABORATION

BCRPA Symposium

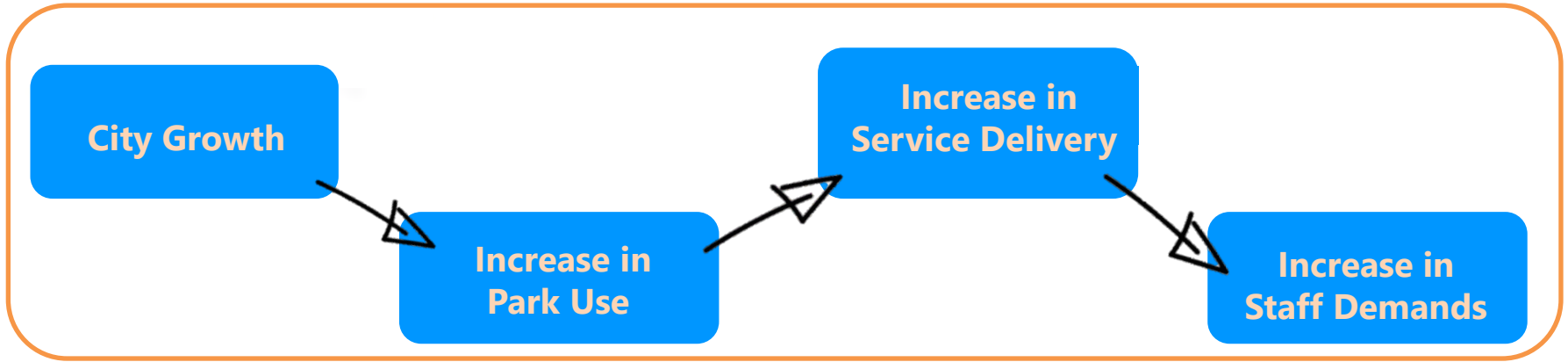
May 2, 2024

Ysabel Contreras

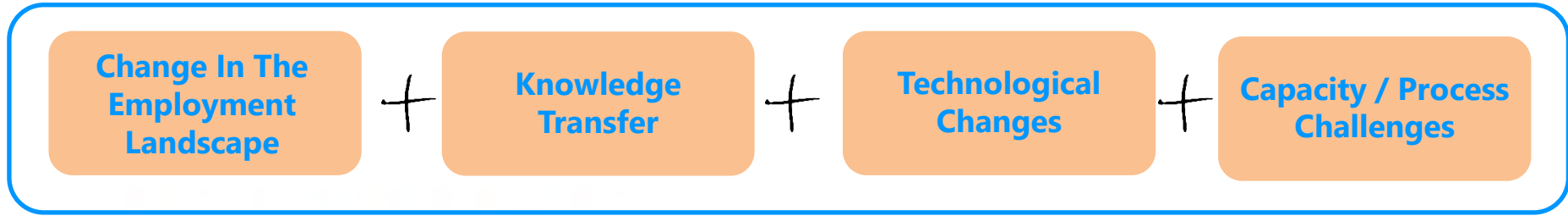
Parks Planning & Capital Projects

Coordinator

PARK'S GROWTH & OPERATIONS



CURRENT TRENDS





PARK'S GIS





DATA FOR DECISION MAKING

Our goal is to integrate spatial data with current trends and processes, enabling a more comprehensive understanding of our operations. This integration helps staff make informed decisions and streamlines workflows, ultimately working towards future-proofing our operations.

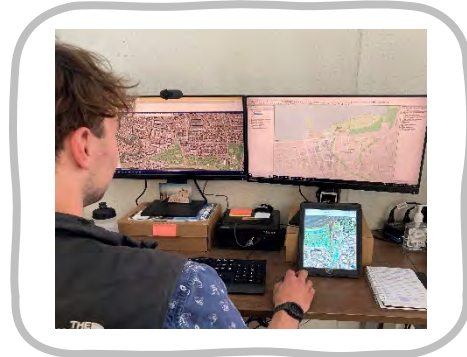




PARK'S CO-OP STUDENT – PROGRAM OVERVIEW

- Park's GIS program was first established in 2019
- 2 students recruited annually - 4-month term
- Initially focused on data collecting and data management
- Quickly grown towards app development to further support operations

OUR PROCESS



WHAT DOES THIS LOOK LIKE IN REALITY?



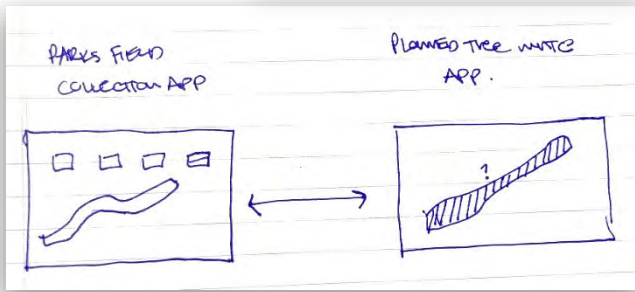
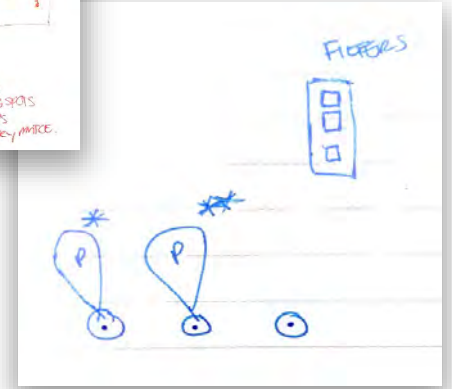
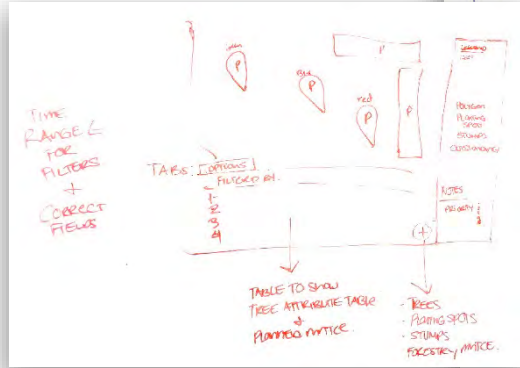
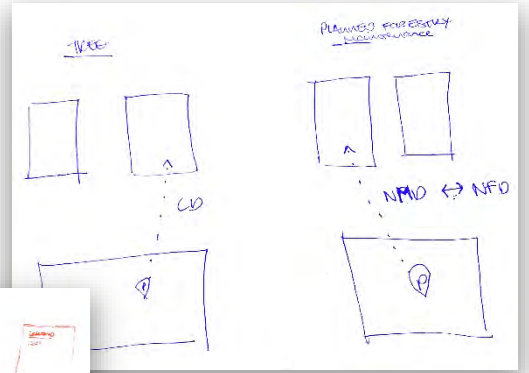
- Simplified Results
 - Distinguish Wants vs. Needs
- Staff Collaboration & Experimentation
 - New School vs. Old School
- Process Development + Documentation
- Training Opportunities
- Staff Empowerment & Buy-In

Bottom-Up Approach



GIS PROJECTS

- Over the last 5 years – we’ve developed over 15 apps through the student efforts
- All Parks GIS projects are directly managed under the Parks Department, Co-Op Program
- Student’s skills allow us to build our vision into reality.
 - Asset Based Approach*





CHALLENGES

- 1 Additional Data Maintenance
- 2 Limited Capability / Functions
- 3 Program Compatibility
- 4 Time

OPPORTUNITIES

- 1 Staff/Student Development – Cross Departmental Training
- 2 Improved Asset Management = Informed Decision Making
- 3 Future Proofing / Continuous Improvement
- 4 Staff Empowerment



BCRPA - TAKEAWAYS



- Use current gaps/problems as opportunities to experiment with students
- Explore opportunities to increase employee engagement through technology (ex. GIS)
- Leverage Asset-Based Approach
- Simplify through a Bottom-Up Approach
- Increase in creativity/complexity = increase in processes
- Community growth = Organizational Excellence



THANK YOU!

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