

Agenda



Metro

600 NE Grand Ave.
Portland, OR 97232-2736

Meeting: Smith and Bybee Wetlands Advisory Committee
Date: Tuesday, September 27, 2022
Time: 5:30 to 7:30 p.m.
Place: [Zoom](#)

5:30 p.m.	Welcome and introductions	All
5:35 p.m.	Approve March 2022 meeting summary	Carrie Butler
5:40 p.m.	Review meeting best practices	Carrie Butler
5:45 p.m.	Planning projects update	Allan Schmidt
6:05 p.m.	Smith and Bybee records, finding aid and online exhibit	Pam Welch
6:25 p.m.	May 2022 site tour recap	Andrea Berkley
6:35 p.m.	CNRP/Master Plan update	Andrea Berkley
7:05 p.m.	Conservation projects update	Andrea Berkley
7:25 p.m.	Goals and next meeting agenda	All
7:30 p.m.	Adjourn	

Upcoming SBAC meeting:

Tuesday, November 15, 2022, on Zoom

For agenda/schedule information, contact Annie Toledo at annie.toledo@oregonmetro.gov

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Meeting summary

Smith and Bybee Wetlands Advisory Committee

September 27, 2022

Committee members in attendance

Carrie Butler.....Port of Portland
Daryl Houtman.....City of Portland, Bureau of Environmental Services
Eric SternFriends of Smith and Bybee Lakes
Jonathan Soll.....Metro, Parks and Nature
Max Samuelson.....Columbia Slough Watershed Council
Pat Jewett40-Mile Loop Trust
Troy Clark.....Audubon Society of Portland

Committee members not in attendance

Eugenia TamNorth Portland Neighbors

Others in attendance

Allan SchmidtMetro, Parks and Nature
Andrea BerkleyMetro, Parks and Nature
Annie Toledo.....Metro, Parks and Nature
Pam Welch.....Metro, Information Services

WELCOME

The March 2022 meeting summary was approved. Carrie Butler reminded committee members to review the meeting best practices document.

PLANNING PROJECTS UPDATE

Allan Schmidt, senior regional planner, gave updates on planning projects going on near Smith and Bybee Wetlands Natural Area.

Bridge Over Columbia Boulevard

Funding for the [Bridge Over Columbia Boulevard project](#) will be moving forward. There is a final procedural vote in October 2022 regarding the project, at which time Allan Schmidt will no longer be project manager since the project is transitioning to Portland Parks & Recreation. Evan Cunningham, civil engineer at PP&R, will be the new project manager. Metro is a major project funder and will continue to be a stakeholder—Allan will be representing Metro for at least the next six months.

St. Johns Prairie Trail

Allan is taking the project through the land use process soon – a big milestone. They are continuing to advance the prairie trail construction drawings and design, including the overlook and potential shade structure. Sinkholes were discovered via Lidar data near the trail alignment, but folks are feeling confident that the engineering will work out fine. The trail does not currently have funding; the team will know in about a year where the funds for construction will come from. Construction could be complete by 2026. Troy Clark asked where equipment will be staged during construction,

and if it will be held in the field near the landfill office. Allan said that he will advocate for it to be held in an already impacted part of the natural area, like where an encampment is now.

Andrea Berkley asked to what extent the trail construction has been priced out, and if the price is more than we want to pay, how will that change design or construction? The construction has been priced out as of current rates but there is potential for it to change due to inflation. The further down the design path they go, the more confident they will be about final costs; it is very limited construction so there shouldn't be much change. They have about a 40 percent contingency on both projects.

Carrie Butler inquired as to whether the overlook shade structure as designed could provide predator habitat. Allan has spoken about this with Metro scientists, and they agreed that it could support that kind of perching, but the structure is near the tree line on the periphery so it would blend in with the natural process. It would be different if the structure were going to be erected in the middle of the prairie with no other trees around.

Metro's landfill staff are moving to Swan Island and leaving the landfill office that is sited near the prairie, so Metro will no longer have a presence on the site. The building is owned by City of Portland; another tenant will be moving in eventually, but the building will be vacant for a bit. Daryl Houtman says he doesn't expect the building to be vacant for very long and that the Bureau of Environmental Services is in and out of the site right now doing a variety of services such as fishing line cleanup and installing trash receptacles. Both Allan and Daryl agreed that there will likely be an increase in lawlessness in the area due to lack of consistent agency presence. It will potentially decrease once construction gets going on the prairie or bridge project.

SMITH AND BYBEE RECORDS, FINDING AID AND ONLINE EXHIBIT

Pam Welch, records and information analyst in Metro's Information Services department, presented on work she's been involved with regarding the Smith and Bybee historical records collection. This project was a collaboration between her department, Parks and Nature, and the archives and record management graduate program at San Jose State University. Alicia Butler, the graduate student who worked on the collection, went through roughly six boxes of documents, created a highly detailed inventory, assessed preservation needs, and drafted a finding aid for the collection. The historical records document the history of Metro's first natural area, starting from the year 1853 up to 2020. Pam shared the finding aid and a mockup of web designs for a future online exhibit. *Attachment 2.*

Eric Stern noted that the chronology starts with the history of James Bybee settling on property that is now Bybee Lake and wonders if mention of the Indigenous community who has been in the area since time immemorial will be addressed. Pam affirmed that the project team discussed this and plans to craft language acknowledging the history, but they didn't have enough information to do so, thoughtfully, at time of publication. Disregarding that part of history was never meant to be an omission on purpose. This is a living, evolving collection and will be modified as more records become available. She said that she plans to meet with Parks and Nature at least once a year to update the collection. Daryl asked if the new management documents will be added to the collection; Pam affirmed they will.

Smith and Bybee Wetlands Natural Area is the designated name of the site. Troy Clark mentioned that he would like the title of the document changed from Smith and Bybee Natural Area Historical Collection to Smith and Bybee *Wetlands* Natural Area Historical Collection. Jonathan Soll said that it was not their intention to alter the name and that Metro will make sure to change the title to Smith and Bybee Wetlands Natural Area on the document. Troy Clark also mentioned that he doesn't like the word "park" used so often in the online exhibit design mockup and would like it removed since it paints the site as more recreation focused and less of a natural area. Pam Welch said that the language on the mockup is in draft form and make sure the final language is review by the committee before it goes live on the website.

MAY 2022 SITE TOUR RECAP

Andrea Berkley, senior natural resource scientist, gave an overview of the May 2022 site tour. *Attachment 3*. Allan Schmidt had led the group on a walk of the alignment of the future St. Johns Prairie Trail, Andrea had provided an overview of prairie restoration work, and partners in Metro's Waste Prevention and Environmental Services gave a presentation about their work on the bridge that crosses the slough and leads into the prairie, the landfill drainage system, and the condition of the liner. She's open to leading more tours in the future for the committee. If people are interested, there will a tour of the prairie during the Cascadia Prairie-Oak Partnership Conference in November 2022.

The tour preparation for Andrea was beneficial because she was able to dig into previous planting data and compare it with this year's monitoring to see what has survived and what hasn't. She observed that the St. Johns Prairie Phase 3 area has high plant diversity but needs more expansive bloom time – this informed the fall plant materials order for the site. In addition, she noticed challenges such as thatch and rattail fescue buildup. Since they cannot safely prescribe burning practices at the site right now, she's interested in trying a mowing approach to see if they can mitigate overgrowth of the thatch and rattail fescue. Another management technique is to balance grasses and rushes and add in more native grasses to get rid of the rattail fescue. Daryl mentioned that Toby Query at Bureau of Environmental Services has experience with mowing in somewhat similar circumstances and that he may have lessons learned and knowledge sharing to offer.

CNRP/MASTER PLAN UPDATE

Andrea Berkley provided updates on the Comprehensive Natural Resource Management Plan/interim master plan. *Attachment 3*. The current CNRP is set to expire in June 2023 and Metro would like the interim master plan to go before Council for approval in April 2023. A finished, edited document will need to be finished by the end of the calendar year to make this deadline. They expect two deliverables: one clean copy and one redlined versioned so everyone can see changes that were made. Andrea and the SBAC subcommittee (Carrie Butler, Troy Clark, and Eugenia Tam) met on September 6, 2022, to review and provide suggested edits. The document is currently in review by Metro attorney Gary Shepherd, and it still needs to be reviewed by a couple more key staff members. The changes they are looking at making are minor, including changing dates, removing references to non-Metro landowners, updating maps, tables, and figures. They are making the most minimal efforts possible to service our needs for the future, at which time they will be able to create a new plan with more public engagement.

The final document would benefit from a stamp of approval by the committee. Daryl suggested that the subcommittee assigned to the review can sign off and make recommendations on behalf of the whole committee. Jonathan Soll mentioned that there may be some suggested edits that we won't be able to make during this iteration of the plan, but we will return to those when the new, more robust plan is being developed. Carrie is willing to put together a letter on behalf of the committee once everyone has had a chance to review the update interim master plan.

CONSERVATION PROJECTS UPDATE

Andrea Berkley gave updates on conservation projects going on at the site. *Attachment 3*.

- **Late season flooding.** There was a lot of precipitation this year, which led to late season flooding in the wetlands once the water control structure gate was opened. The flooding impacted the survival rate of some bare root plants that were planted last year and created challenges with Ludwigia treatment due to muddy conditions. However, the increased water level suppressed some new Ludwigia seedlings from taking root and delayed germination from the seedbank, so the flooding could have helped manage that somewhat.
- **Mosquito fern.** It was a big year for mosquito fern, a native plant that prevent mosquitos from laying their eggs on the surface of the water. Metro received a lot of calls from visitors asking about the red color and the broccoli-like plant floating in the water. Troy said this is the first year he's ever seen the plant, and that it made paddling difficult. He also observed nutria eating it.
- **Ludwigia peplodes mapping and treatment.** Ludwigia is currently being treated at the site, which is later in the year than usual. Nighttime temperatures and day length is changing now that we are going into fall, and this may affect how the plants respond to herbicide treatment. Contractors are working on sitewide mapping of the Ludwigia population and other invasives such as purple loosestrife and iris. This is the first large-scale mapping effort that has been done at the site since 2014. Bybee Lake will be mapped first, followed by Smith Lake and then the rest of the site.
- **Beaver dam management.** Have had the biggest challenge managing the beaver dam near Smith Lake. It's important to make sure the lake drains properly to control access for Ludwigia treatment work and to prevent standing water that contributes to avian botulism. After consulting with Beaver State Solutions, they decided to go with wider notching instead of a pond leveler due to the possibility that the beavers could build more dams than they currently are if that management technique is used.
- **Key Ecological Indicators report.** Parks and Nature botanist Adrienne St. Clair dug into the prairie data that we have. Andrea and Adrienne are putting together the report and are looking forward to bringing it to the committee in the future. This will help inform the new management plan for the site.
- **Bank integrity project.** The project is underway, and a plastic sheet pile wall will be installed along 200 feet near the water control structure. Design and permitting now through summer 2023, then construction later summer 2023. This is a project we will be talking more about with the committee in the future as the design gets moving along.

- **St. Johns Prairie.** Upcoming planting and seeding, and rattail fescue mitigation work. About 80 acres of the site (Phase 4) hasn't been worked on yet – Andrea intends to apply for an OWEB grant to cover the cost of Phase 4. The grant is due at the end of October 2022.
- **Columbia sedge meadows.** Working on woody plant and reed canarygrass encroachment in the area, as well as interplanting some Columbia sedge this fall.
- **Forested Wetland planting.** They will be planting more Oregon ash out at the site – this was decided before the finding of Emerald Ash Borer – but will interplant with cottonwoods to adjust. Metro is also planting a lot of Pacific willow and Columbia River willow as in past phases.

OTHER

Emerald Ash Borer links from Jonathan and Andrea:

- [Oregon Department of Agriculture Readiness and Response Plan](#)
- [Oregon Department of Forestry EAB fact sheet](#)
- [Oregon Department of Forestry forest health webpage](#)
- [Oregon State University Extension Oregon Forest Pest Detectors](#)
- [Oregon State University Extension Oregon Forest Pest Detector online training course \(FREE\)](#)
- [Oregon State University Extension general Emerald Ash Borer information](#)
- Article from Science.org: [Deadly pest reaches Oregon, sparking fears for ash trees](#)

Troy Clark mentioned illegal dumping on Port of Portland property in the natural area. Carrie Butler said the Port of Portland is aware and will address it.

FUTURE MEETING AGENDA TOPICS

- Emerald Ash Borer presentation by Metro's Integrated Pest Management manager Rob Hamrick.
- Presentation from Bureau of Development Services on the future zoning of the wetlands natural area upon implementation of updated/new CNRP.
- Presentation from Metro's Waste Prevention and Environmental Services department regarding the landfill bridge assessment and stormwater and integrity study.

ACTION ITEMS

- Pam Welch to update title of finding aid to Smith and Bybee Wetlands Natural Area.
- Pam Welch to work with subcommittee (TBD) of folks who want to review the online exhibit language prior to publication.

NEXT MEETING

November 15, 2022

5:30 to 7:30 p.m.

Zoom

Meeting adjourned at 7:26 p.m.

Smith and Bybee Advisory Committee

Coordinated by:
Metro
600 NE Grand Ave.
Portland, OR 97232

BEST PRACTICES FOR PRODUCTIVE SBAC MEETINGS

The following meeting guidance is meant to encourage equitable participation in our discussions and respect for one another's opinions and positions while allowing everyone an opportunity to be heard and provide valuable input.

Make space/take space

Participate in the conversation and be aware of your own time speaking. If needed, timekeeping will be used to allow room for all voices to be heard.

Listen to understand

Focus on what is being said rather than how you will respond. Be present and attentive, minimize distractions, and ask questions.

Ask genuine questions

Meaningful questions inspire curiosity and help us understand our different perspectives.

Succinctly state views and explain reasoning

Stating our views clearly helps us understand how we reached our conclusions and where our reasoning differs. Always be mindful of time and speak your truth.

Speak responsibly

Our own viewpoint is just one part of the whole. Share your views honestly and be mindful that your words could have a negative impact on others and cause harm.

Note: these were adapted from multiple sources including the EMSWCD The Agreements and the Harvard Business Review article 8 Ground Rules for Great Meetings by Roger Schwarz (2016).



LIBRARY

- Land use self
- Transportation shelf
- Nature shelf
- Garbage and recycling shelf
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- Metro history – online exhibits**

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Featured



Smith and Bybee
Wetlands Natural Area



Oregon Zoo Train



St. Johns Landfill



Waste Reduction and
Campaign




2000 Growth Concept




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ALL ONLINE EXHIBITS



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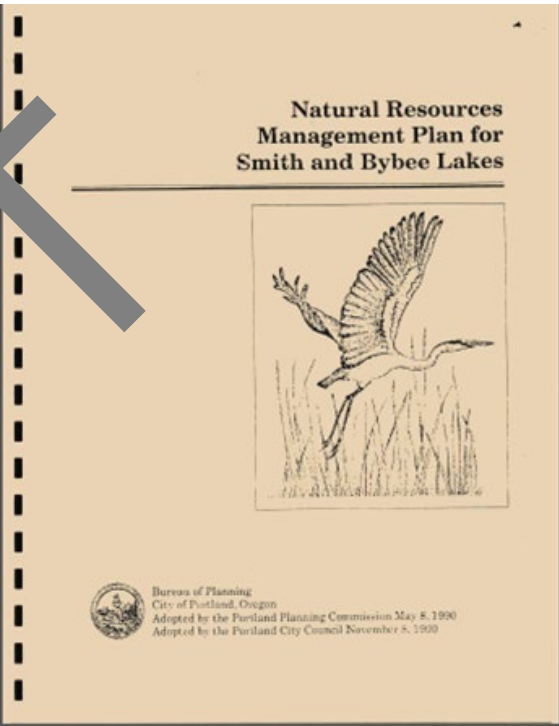
Smith and Bybee Natural Area - Online Exhibits

The Smith and Bybee Natural Area Historical Collection documents the history of Metro’s first natural area and park. It contains records related to the park’s governance, planning initiatives, natural resources, facilities, accessibility, and water management. The St. Johns Landfill’s location within the natural area boundary has resulted in a close relationship between the two Metro programs.


Overview	Public Access	Landfill	Natural Resources	Water Management
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Smith and Bybee’s history is intertwined with the development of the Rivergate Industrial District, and its formation as a park is unique. The park was born from negotiations among several federal, state, and local government agencies trying to determine how much of the wetland complex to preserve and how much to fill and convert to industrial development. In 1980, Metro became involved when it assumed responsibility of St. Johns Landfill operations. By the end of the decade in 1989, the Port of Portland, Oregon Division of State Lands, U.S. Army Corps of Engineers, Oregon Department of Fish and Wildlife, U.S. Department of Fish and Wildlife Service, and the Environmental Protection Agency gathered and created the *Cooperative Management Agreement* (also known as COMA or the Rivergate Agreement) to establish responsibilities for managing the wetland areas and their natural resources.

The Smith and Bybee Wetlands Natural Area was officially created in 1990 when the *Natural Resources Management Plan* (NRMP) was written to manage the implementation of the *Cooperative Management Agreement*. The plan was adopted in a joint meeting of the Metro Council and the City of Portland Council in November 1990. This also provided Metro with the resources needed to responsibly manage the wetland’s natural resources, including establishing the Smith and Bybee Lakes Fund (established with landfill fees), and the Smith and Bybee Lakes Advisory Committee. More recently, the site has been managed according to a *Comprehensive Natural Resources Plan* (CNRP) adopted by the City of Portland, which includes lands owned by multiple landowners within the Smith and Bybee Lakes management area.



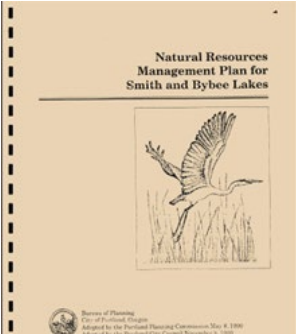
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Smith and Bybee Natural Area Historical Collection Finding Aid

August 2022

Smith and Bybee Natural Area Historic Collection Finding Aid



The Natural Resources Management Plan (NRMP)

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Smith and Bybee Natural Area Historical Collection Finding Aid

August 2022

Acknowledgements

We wish to acknowledge the support and contributions of the following individuals who helped to organize, preserve, and enrich the Smith and Bybee Historical Collection. Through their efforts, the collection is now accessible to the public at large:

- Emily Roth, former Smith and Bybee Lakes Wildlife Area Manager
- Elaine Stewart, former Senior Natural Resource Scientist
- Andrea Berkley, Senior Natural Resource Scientist
- Allan Schmidt, Senior Planner and Landscape Architect
- Jonathan Soll, Science and Stewardship Division Manager
- Becky Shoemaker, Metro Records Officer/Archivist
- Pam Welch, Records and Information Analyst
- Alicia Butler, Graduate Intern – San Jose State University
- Carrie Butler, Senior Conservation Ecologist – Port of Portland

Summary Information

Repository	Metro Archives and Special Collections
Creator	Alicia Butler, Metro Archival Intern
Title	Smith and Bybee Natural Area Historical Collection
Date [inclusive]	1913 - 2018
Extent	7.2 cubic feet of records
Condition	The paper, photographic, and slide records are in very good condition.
Language	English
Abstract	The Smith and Bybee Historical Collection documents the history of Metro's first natural area or park. It contains records related to the park's governance, planning initiatives, natural resource, facilities, accessibility, and water management. The St. Johns Landfill's location within the natural area boundary has resulted in a close relationship between the two Metro programs and the inclusion of landfill closure records in this collection.

Preferred Citation

Metro Archives and Special Collections: Smith and Bybee Natural Area Historical Collection, 1913 - 2018

TABLE OF CONTENTS

Introduction: A History of the Smith and Bybee Natural Area Historical Collection.....	1
Fill and Access	1
St. Johns Landfill.....	2
Natural Resources.....	2
Water	4
Chronology of Smith and Bybee Natural Area	5
Summary Collection Description	14
Box Numbers and Descriptions	15
Collection Divisions	16
Collection Division 1: Landfill Closure, Vegetation	16
Collection Division 2: Landfill Closure, Regulatory	20
Collection Division 3: Smith and Bybee Natural Area Planning, Facilities/Access.....	21
Collection Division 4: Smith and Bybee Natural Area Water Management	22
Collection Division 5: Smith and Bybee Natural Area Planning, Natural Resources.....	33
Collection Division 6: Smith and Bybee Advisory Committee	35
Collection Division 7: Smith and Bybee Natural Area Misc.	44
Collection Division 8: Smith and Bybee Natural Area Turtles.....	45
Appendix A: Glossary.....	46
Acronyms	46
Nicknames.....	46
Appendix B: Library of Congress Subject Headings	47
Appendix C: Related Records.....	48

Introduction: A History of the Smith and Bybee Natural Area Historical Collection

The Smith and Bybee Natural Area Historical Collection documents the history of Metro's first natural area. Smith and Bybee's history is intertwined with the development of the Rivergate Industrial District, and its formation as a park is unique. The park was born from negotiations among several federal, state, and local government agencies trying to determine how much of the wetland complex to preserve and how much to fill and convert to industrial development. In 1980, Metro became involved when it assumed responsibility of St. Johns Landfill operations. By the end of the decade in 1989, the Port of Portland, Oregon Division of State Lands, U.S. Army Corps of Engineers, Oregon Department of Fish and Wildlife, U.S. Department of Fish and Wildlife Service, and the Environmental Protection Agency gathered and created the *Cooperative Management Agreement* (also known as COMA or the Rivergate Agreement) to establish responsibilities for managing the wetland areas and their natural resources.

The Smith and Bybee Wetlands Natural Area was officially created in 1990 when the *Natural Resources Management Plan* (NRMP) was written to manage the implementation of the *Cooperative Management Agreement*. The plan was adopted in a joint meeting of the Metro Council and the City of Portland Council in November 1990. This also provided Metro with the resources needed to responsibly manage the wetland's natural resources, including establishing the Smith and Bybee Lakes Fund (established with landfill fees), and the Smith and Bybee Lakes Advisory Committee. More recently, the site has been managed according to a *Comprehensive Natural Resources Plan* (CNRP) adopted by the City of Portland which includes lands owned by multiple landowners within the Smith and Bybee Lakes management area.

Fill and Public Access

Much of this collection documents the literal shaping of the Smith and Bybee Wetlands Natural Area. In 1972, the *North Portland Peninsula Plan* established which wetland areas on the peninsula would be filled to form the Rivergate Industrial District and which areas would be left unfilled. The Port of Portland began filling the area that would become the Rivergate Industrial District in circa 1970 to develop marine Terminals 5 and 6, setting the boundary between it and Smith and Bybee. The 1989 *Cooperative Management Agreement* included provisions for a new water control structure for the channel between Smith and Bybee Lakes, as well as a new channel between the west end of Bybee Lake and the Columbia Slough.

In 1992, the *Recreation Master Plan* was written by the City of Portland, which provided \$3 million for a visitor center to be built to the southeast of Smith Lake. This visitor center was never built; however, the Willamette River's 1996 flood damaged a viewing blind in the area and demonstrated that southeast Smith Lake was not a safe location for a visitor's center.

In 1998, a citizen filed a lawsuit against the Port of Portland and the United States Army Corps of Engineers for fill and removal violations at Rivergate Wetlands. This directly impacted the Smith and Bybee Wetlands when the *Rivergate Consent Decree* was published two years later. It included a

provision for \$285,000 that the Port of Portland was required to put in a fund for mitigation projects that the United States Army Corps of Engineers would later approve. In 2017, Metro requested and received these funds to utilize for a channel management project where sediment was cleared from the channel between the Smith and Bybee Lakes that had accumulated because of aquatic rodent activities.

Various projects to establish eco-friendly recreation areas were undertaken in the early 2000s. In 2002, Metro proposed the installation of a recreation facility and public art, which was supported by substantial funding provided by Multnomah County and the Wapato Jail facility. In 2003, the Metro Council adopted Resolution No. 05-3592B, approving the *Smith and Bybee Wetlands Natural Area Trail Feasibility Study*, which included a proposed design for the 40-Mile Loop Trail, a project that is still in process. During this time, the Port of Portland and Metro entered into an Intergovernmental Agreement (IGA) for a land swap where the Port agreed to take the 6.74 acre Force Avenue site adjacent to the Vanport Wetlands and Metro received 3.46 acres off of Marine Drive that enabled the development of a parking lot, public art, and recreational facilities for Smith and Bybee.

St. Johns Landfill

The closure of the St. Johns Landfill has provided a unique responsibility to Metro. Since assuming responsibility for landfill operations in 1980, Metro worked to close the landfill in an environmentally sound manner. The *St. Johns Landfill End Use Plan* was adopted by the City of Portland by resolution (Resolution No. 34295) on June 10, 1987. In 1990, the landfill closed. Roughly one million cubic yards of fill was dredged from the Columbia River and used in the construction of the landfill cover system installed by Metro from 1991 to 1996. The \$36 million landfill cover system was designed to prevent rainwater from leaching contaminants into groundwater, which could carry them into the surrounding soil and waterways, and to control methane gas generated by decomposing waste. During this time, the *St. Johns Landfill Cover Vegetation Plan* was written and adopted. Planting began at the end of 1996, and rounds of revegetation planting also occurred in 1999, 2001, 2014, 2016, and 2020. Landfill habitat management was reassessed in 2004 and 2013 to keep up with the evolving needs of the site. In 2007, the Port of Portland provided dredge material to amend substrate and improve habitat on five acres at St. Johns Landfill. These efforts have transformed the landfill into St. Johns Prairie, an area being restored with native plants to attract western meadowlarks, streaked horned larks, bees and other pollinators, western painted turtles, and other wildlife.

Natural Resources

Management of the natural resources at Smith and Bybee has produced many biological and ecological studies that describe the site through time. Aerial photographs of the area were taken in 1936, setting a baseline by which changes to the site over time can be measured. In 1987, the Port of Portland funded the *Fishman Report*, which provided comprehensive documentation of the natural resources of the area. Several biota and other environmental studies and reports have been

conducted over the years on many different aspects of the wetlands. These studies will be increasingly relevant as climate change continues.

Avian botulism has long been a challenge at Smith and Bybee. The first botulism outbreak was documented by the U.S. Fish and Wildlife Service in 1974. Subsequent outbreaks were documented by Lower Columbia River Refuge Complex staff in 1976, 1978, and 1980. Metro responded to a large botulism outbreak in 2012 that was made worse by beaver dams and siltation in the channel that interfered with the ability to draw down Smith Lake. Staff spent weeks hazing waterfowl to prevent them from feeding at Smith and Bybee and becoming sick. Thousands of birds died; however, it was estimated that tens of thousands of birds survived because of these efforts. Subsequent outbreaks were also observed and managed in 2013 and 2014.

Many studies and reports have been conducted about the fish of Smith and Bybee. In 1992, the U.S. Fish and Wildlife Service conducted the *Electrofishing Survey of Smith and Bybee Lakes*. This survey verified that salmonids used the wetlands and analyzed samples from several warmwater fish species for heavy metals and pesticides. In 1996, the fish were analyzed again, and it was found that they had been contaminated from exposure to long-term pollution in the slough. As a result, fish consumption was advised against by Metro, Multnomah County, and the State of Oregon. A blanket advisory remains in place for all Columbia Slough fish consumption. Frequent consumption of fatty fishes like carp that can store heavy metals in their bodies is discouraged. In 2000, the Oregon Bass and Panfish Club conducted a creel census to document the value of the wetlands for warmwater fishery. In the following year, Oregon was subject to a major drought, which resulted in the deaths of thousands of fish, primarily carp, at Smith and Bybee as the water levels plummeted.

Smith and Bybee Lakes provide important habitat for western painted turtles. In 1998, Metro hired the Northwest Ecological Research Institute to monitor the turtles at Smith and Bybee. They conducted visual surveys and captured, marked, and then recaptured specimens. Metro has continued these efforts in-house since 2001. Researchers outside of Metro have also studied the Smith and Bybee turtle population.

Smith and Bybee Lakes have also been affected by the development of surrounding areas. In 1996, two major development projects were undertaken. First, county residents approved a capital bond measure to build the Wapato Jail near Bybee Lake. Negotiations with Smith and Bybee staff and advocates resulted in the inclusion of design features such as evergreen trees on six-foot berm to provide a visual buffer; lighting directed inward to the facility and yards to reduce light pollution; and stained concrete on the building exterior to help the facility blend into its surroundings. That fall, the Port of Portland proposed the North Marine Drive widening project, which had the potential to intrude on Smith and Bybee and led to years of negotiations to mitigate the potentially harmful effects of a larger road on the wetland's environment. Additionally, in 2003 a diesel spill at the Port of Portland's Terminal 6 (T6) sent 2,700 gallons of diesel into the Columbia Slough. The United States Department of Fish and Wildlife Service solicited proposals for Natural Resource Damage Assessment funds for mitigation projects at Smith and Bybee. Two projects were funded:

improvements to the turtle nesting habitat along North Marine Drive, and the addition of a large quantity of wood in the wetlands to improve native fish habitat.

Water

Management of water at Smith and Bybee has been a significant part of the area's history. In 1967, the Port of Portland modified the existing dam, raising it and adding a larger culvert. This structure was replaced by an earthen dam by the U.S. Fish and Wildlife Service in 1982, which promptly failed in the fall of the same year, resulting in the wetlands becoming dewatered via an old channel re-opened between Bybee Lake and the Columbia Slough. In 1992, water quality in the lakes was evaluated in one of Metro's first efforts to look at opening the Smith and Bybee system. It was found that the North Slough was stagnant, and the water quality was poor. In addition, a barge was lodged in the water. As a result, the dam was modified with the addition of a 60-inch pipe. Between 1993 and 1995, Metro led significant efforts to evaluate the water quality, sedimentation, erosion, and hydrology of the entire system. This resulted in the publication of a diagnostic and feasibility study of the Smith and Bybee Lakes in 1996, funded by a Clean Lakes grant from the Oregon Department of Environmental Quality. The study recommended a new water control structure be constructed to open the wetlands to the North Slough while allowing retention of water as needed. It also recommended augmenting the flow of water into the wetlands; removing the sunken barge in the North Slough; and developing a water management and monitoring plan. The following year, revisions to the *Cooperative Management Agreement* included a project to replace the dam with a new water control structure. Over the next few years, Metro worked to design the proposed water control structure and secured the funding and permits needed to complete the project. In December 2003, the water control structure was completed. Modifications to the structure in 2017 improved safety and provided additional flexibility in storing and releasing water.

One-way flaps in the water control structure allow water to travel into the wetlands, but Metro can control the holding and the release of water in an annual cycle that helps achieve several water management objectives. The annual cycle involves holding water within Smith and Bybee wetlands from winter and spring high river flows; holding as much water as possible through May, slowly releasing water ("draw down") from late spring to August; and repeating the cycle again beginning in November. Water management objectives include: creating mudflats for migrating shorebirds and winter open water for waterfowl; suppressing the invasive grass reed canary grass using flooding supporting native emergent wetland vegetation by drawing water down in the spring; providing off-channel habitat for young salmon; supporting regeneration of bottomland forest for migrating and breeding birds; minimizing water levels in the summer when risk of avian botulism is at its highest; and permitting access in the summer for various weed control actions.

Chronology of Smith and Bybee Natural Area

1853	James Bybee settles on the property which will become known as Bybee Lake.
1903	December. John Charles Olmsted presents his report to Portland's volunteer park board. The report recommends the creation of an interconnected system of parks and natural landscapes. It also recognizes the importance of natural parks such as Forest Park, Ross Island, and Smith and Bybee Lakes.
1932	The City of Portland opens a waste incinerator a present-day Chimney Park. Ash from the incinerator is disposed of between Columbia Boulevard and the Columbia Slough.
1936	Aerial photographs are taken of the Smith and Bybee Wetlands Natural Area
1940	A bridge is constructed over the Slough to what will become St. Johns Landfill.
1948	May 30. The railroad embankment separating Smith Lake from Vanport City, a WWII era housing development and Oregon's second largest city, collapses under the strain of severe spring snowmelt. As a result, water from the lake and the Columbia River subsume the city leaving its 18,000 residents, nearly a third of whom were African American, homeless. The decision not to rebuild the city enables the eventual redevelopment of the area.
1967	September 20. The Port of Portland requests to modify the dam at the Bybee Lake outlet to North Slough. They wanted to raise the dam higher and add a larger culvert. Various dams appeared and disappeared in the lakes over the 20 th century.
1972	December 22. The <i>North Portland Peninsula Plan</i> is the first to establish where fill would occur in the wetlands, and it also established the line past which the Smith-Bybee system would not be filled. The other areas (including Ramsey Lake) would become what we now call the Rivergate Industrial District.
1974	The first botulism outbreak at Smith and Bybee is documented by the U.S. Fish and Wildlife Service. Subsequent outbreaks were mentioned in refuge files in 1976, 1978 and 1980. Lower Columbia River Refuge Complex staff responded at Smith-Bybee.
1980	Metro assumes responsibility for landfilling operations at the St. Johns Landfill.
1982	September. The U.S. Fish and Wildlife Service builds an earth dam. The earth dam subsequently failed in November and the wetlands were dewatered via an old channel re-opened between Bybee Lake and the Columbia Slough.
1983	The United States Army Corps of Engineers requests a report from the United States Geological Survey to document the baseline conditions of the lakes prior to installation of a new dam.
1984	November 30. The Port of Portland renews the U.S. Army Corps of Engineers permit to dredge millions of cubic yards of sand from the Columbia River and use it to fill

ATTACHMENT 2

wetlands to create and complete the Rivergate Industrial District. It was estimated that “approximately 12,000,000 cubic yards of sand would be required to complete filling of the remaining 440-acre Rivergate Area, a portion of which are diked wetland areas.”

- 1987 The Smith and Bybee Lakes Advisory Committee is formed by the Port of Portland. The committee included representatives from neighborhood, environmental, industrial, and governmental entities.

June 10. The City of Portland adopts the *St. Johns Landfill End Use Plan* by Resolution No. 34295.

September. A study funded by the Port of Portland provides comprehensive documentation of the natural resources of the area. Also known as the *Fishman Report*, the study later became the foundation for discussions on the future of Smith and Bybee conservation and mitigation required under the *Cooperative Management Agreement* (see 1989).

- 1989 The *Cooperative Management Agreement* (COMA, a.k.a. the Rivergate Agreement) is created and implemented. It was an agreement for cooperative management of Rivergate’s natural resources and included mitigation projects for the Port of Portland’s wetland fill of 235 acres in Rivergate (including Ramsey Lake). The agreement was adopted by the Port of Portland, Oregon Division of State Lands, U.S. Army Corps of Engineers, Oregon Department of Fish and Wildlife, U.S. Fish and Wildlife Service, and the U.S. Environmental Protection Agency. It included provisions for a new water control structure for the channel between Smith and Bybee Lakes, as well as a new channel between the west end of Bybee Lake and the Columbia Slough.

- 1990 Metro assumes ownership of Smith and Bybee, along with the St. Johns Landfill from the City of Portland, including responsibility for closing the 238-acre site in an environmentally sound manner.

Ramsey Lakes, a series of three ponds, were built by the Port of Portland as a mitigation project in the “duck donuts” style that was part of the COMA.

May 8. The *Natural Resources Management Plan* (NRMP) is created.

September. The Port of Portland’s dredging permit is modified, adding placement of up to one million cubic yards of fill at the St. Johns Landfill.

November. The Metro Council and City of Portland Council jointly adopt Metro Ordinance No. 90-367 and City of Portland Ordinance 367 approving the NRMP. This foundational document established the Smith and Bybee Wetlands Natural Area and the Smith and Bybee Lakes Fund (created with landfill fees); formalized the Smith and Bybee Lakes Advisory Committee; and provided project options for the COMA. The NRMP was adopted by the City of Portland, Metro, and the Port of Portland.

- 1991 The Smith and Bybee Technical Advisory Committee is formed to advise the Smith and Bybee Lakes Advisory Committee on water management issues.

- 1992 Water quality in the lakes is evaluated in one of Metro's first efforts to look at opening the Smith and Bybee system. It was found that the North Slough was stagnant, had poor water quality, and contained a sunken barge.
- February 19. The dam is modified by running a 60-inch pipe through it. High-flow weir was fixed at 10.4 ft NGVD29 and the low-flow weir at 5.5 ft NGVD29. The tide gate on the North Slough side did not allow water to enter the wetlands.
- June. The Port of Portland constructs a new road to improve access to the dam to make modifications. Before this, the dam was accessed by driving in from the west on the north side of Columbia and North Sloughs. The new access road allowed more direct access, and its grade was improved (slope reduced) when the 2003 structure was built.
- In the same month, the *Electrofishing Survey of Smith and Bybee Lakes* is conducted by the U.S. Fish and Wildlife Service. It verified that salmonids used the wetlands and analyzed samples from several warmwater fish species for heavy metals and pesticides. Heavy metals such as cadmium, lead, and mercury were detected, while pesticides were undetected except for DDE. Everything that was detected was determined to be at levels that did not warrant a fish advisory or closure.
- August. The St. Johns Landfill closure and cover construction begins. In addition, and the *St. Johns Landfill Cover Vegetation Plan* is approved.
- November. The Recreation Master Plan is written by the City of Portland. The plan calls for \$3 million to build for a visitor center to be built to the southeast of Smith Lake.
- 1993 Metro makes multiple attempts to accomplish a clean lakes study. Materials documenting the attempts to fund the study resulted in the *Diagnostic and Feasibility Study* (1996).
- 1994 October 5. The Port of Portland secures the right to withdraw water from the Columbia River and send it into Smith and Bybee.
- 1995 Mark Boyko from Portland State University writes his master's thesis on using hydraulic modeling to estimate how much water would enter the system via augmentation from Columbia River in late summer and early fall. Boyko concluded that a pump would be required due to the low elevation of the Columbia River at that time of year.
- Scott Wells conducts hydraulic and water quality modeling and finds that low DO were problems expected in the North Slough. Modeling verifies that Willamette River water flowed into Bybee Lake and determines that opening the earth dam between Bybee Lake and the North Slough would improve the water quality in the latter.
- March 15. A paleolimnology study is conducted, finding no evidence of net sedimentation or erosion, indicating that the wetlands' historic hydrology was dynamic enough to deposit and flush sediments.

May. The Port of Portland contracts with CH2M Hill to model the wetlands to evaluate flow augmentation and tidal exchange.

September 8. The Smith and Bybee Technical Advisory Committee recommends replacing the dam and weir with a flow control structure. The recommendation was adopted by the Smith and Bybee Lakes Management Committee.

1996 The Willamette River floods, damaging the Smith Lake viewing blind. This event demonstrated that southeast Smith Lake was not an appropriate location for a visitors' center.

March. Metro, Multnomah County, and the State of Oregon publish warnings to the public about the dangers of consuming fish from Smith and Bybee Lakes. The fish had been contaminated from exposure to long-term pollution in the slough, and their consumption was deemed hazardous to a person's health.

May. Multnomah County residents approve a capital bond measure to build the Wapato Jail. Negotiations with Metro Smith and Bybee staff and advocates resulted in the inclusion of design features such as evergreen trees on six-foot berm to provide a visual buffer; lighting directed inward to the facility and yards to reduce light pollution; and stained concrete on the exterior to help the facility blend into its surroundings. The subsequent passage of a statewide ballot measure limiting property tax increases, results in the county's inability to operate the facility.

July. Jim Morgan, Metro (title here) conducts a diagnostic and feasibility study of the Smith and Bybee Lakes. The study was funded by the Clean Lakes grant from the Oregon Department of Environmental Quality. The study summarized the diagnostic work done in the early 1990s, water quality sampling done in 1992 and 1993, and a fish survey done in 1992. Feasibility studies included evaluation of flow-through from Columbia River to Smith Lake and water quality impacts to the wetlands and North Slough if they were reconnected. It recommended a new water control structure be constructed to open the wetlands to the North Slough while allowing retention of water as needed. It also recommended the development of a way to augment flow into the wetlands, the removal of the sunken barge in the North Slough, and the development of a water management and monitoring plan.

August 12. Metro hires the first full-time manager of the Smith and Bybee Wetlands Wildlife Area Emily Roth. Ms. Roth was the wildlife area manager from the summer of 1996 to late 1999.

November 13. The U.S. Fish and Wildlife Service writes a letter to Ms. Roth expressing support for water management and stating that the habitat impacts from impounding water to prevent wildlife disease would be a greater loss than disease itself.

November 22. The first six acres of the St Johns Landfill perimeter are planted under an Intergovernmental Agreement (IGA) with the City of Portland Bureau of Environmental Services' Watershed Revegetation Program.

ATTACHMENT 2

November 27. The North Marine Drive widening project is announced by the Port of Portland. The intent was to widen North Marine Drive and build a road over the rail line. Over the next few years, intense negotiations over the project ensued. The Nordstrom company sacrificed several feet of parking lot to reduce the intrusion of the project into Smith and Bybee. A sound wall was constructed to reduce noise from the road in the wetlands, and shields were included on new streetlights reduce light pollution. The turtle project was started to provide data on the effects of the North Marine Drive project on turtles and their habitat.

- 1997 The *St. Johns Landfill Vegetation Maintenance Plan* was created, and the Establishment of Native Vegetation at St. Johns Landfill project began. About fifteen acres extending from the edge of the Dreiling partial ownership area (near North Portland Road) westward were planted. Restoration planting on the south side of Smith Lake was nicknamed the “sea of tubes”. Also done via BES IGA.

July 22. The North Slough bathymetry is measured.

August. A status check by the agencies involved in the Cooperative Management Agreement result in revisions to COMA. The project list is modified to include a new water control structure at North Slough and develop an augmentation system for water in Smith Lake. In this version of COMA, the water pumping project called for water from Columbia Slough, not Columbia River.

- 1998 March. Metro hires the Northwest Ecological Research Institute to monitor western painted turtles at Smith and Bybee. They conducted visual surveys and captured, marked, then recaptured specimens. The work was brought in-house in 2001.

August 7. William Michael (Mikey) Jones files a lawsuit against the United States Army Corps of Engineers for fill and removal violations at the Rivergate Wetlands. In turn, the Corps counter-sues the Port of Portland.

- 1999 September 27. Metro convenes its partners at the Rivergate area for a summit on the control of Purple Loosestrife. Subsequent funding from partners and grants enabled the work by Oregon State University’s Peter McEvoy and grad student Shon Schooler on biocontrol release and monitoring.

November. The *Smith and Bybee Lakes Facilities Plan* is written, evaluating options for parking, trailheads, and a boat launch. The Plan directed access away from turtle habitat areas as the main turtle nesting area was adjacent to the existing parking lot. The original parking lot was at end of the “turtle slough” and paddlers had to portage from there into Bybee Lake.

November 8. Approximately 25 acres are revegetated at the St. Johns Landfill by the City of Portland Bureau of Environmental Services. The area was south and east of the Interlakes’ Trail and south of the Bybee Lake viewing blind.

December. The Port of Portland creates a *Water Management and Conservation Plan* that provided 35 cubic feet of water directly to Smith and Bybee Lakes from the Columbia River.

ATTACHMENT 2

- 2000 March. The Oregon Bass and Panfish Club corresponds with Metro, expressing its objections to Metro's water management proposal. The club conducted a creel census to document the value of the wetlands for warmwater fishery that would be affected by seasonal drawdown.
- November. A draft of the Rivergate Consent Decree is published in the federal register because of William Michael (Mikey) J'nes' lawsuit in 1998. The Consent Decree included a provision of \$285,000 for the Port of Portland to put in a fund for mitigation projects that the United States Army Corps of Engineers would later approve.
- 2001 February 2. The City of Portland Bureau of Environmental Services completes its final round of restoration planting on the south side Bybee Lake. Metro subsequently managed this work in-house.
- February 28. Metro and the Oregon Department of Environmental Quality come to an agreement regarding a water quality issue at Smith and Bybee. It is agreed that once the wetlands could be opened to the Columbia Slough system, the lakes could come off the list of Oregon water bodies with compromised water quality (303(d) list).
- May 10. The Oregon Water Resources Department issues a water storage permit to Metro to manage the water in the Smith and Bybee wetlands.
- July. The Oregon Watershed Enhancement Board provides \$180,000 of funding for the water control structure.
- August 19. This was the final year of a multi-year drought, resulting in a major fish die-off (primarily carp). A grate across the outlet installed in the previous decade prevented fish from leaving the wetlands. Both Bybee and Smith Lake were completely dry at the end of the summer.
- October. The Smith and Bybee Lake water control structure draft hydraulics report is completed. The Parsons Brinckerhoff modeling effort evaluated the new structure's design and anticipated velocities in the North Slough. This work was a response to landfill managers' concerns regarding erosion potential of the landfill perimeter bank along North Slough.
- 2002 January 28. A biological assessment for a Section 7 consultation (ESA-listed salmonids) is prepared by Ducks Unlimited as part of the permit process for the water control structure.
- May. Metro issues a request for proposals for a recreation facility and public art installation at Smith and Bybee. Substantial public art funding is provided by Multnomah County. The Wapato Jail facility project shared hundreds of thousands of public art dollars with Metro and the community.
- 2003 April 8. Metro applies for a permit to construct the water control structure and conducted soil testing as part of the application process. Extensive discussions were held with staff at the Army Corps of Engineers and DEQ about whether the project would be involved in the landfill closure project that was also happening at the time.

ATTACHMENT 2

May 2. A diesel spill at the Port of Portland's Terminal 6 (T6) sends 2,700 gallons of diesel into the Columbia Slough. The United States Department of Fish and Wildlife Service solicited proposals for Natural Resource Damage Assessment funds for mitigation projects at Smith and Bybee. Two projects were funded: improvements to the turtle nesting habitat along North Marine Drive and the addition of large wood in the wetlands to improve the fish habitat.

August 4. The permit to construct the water control structure is issued. This was a very controversial permit, as many were nervous given the Rivergate Consent Decree.

November. Metro and Ducks Unlimited secure \$494,000 from a variety of sources to fund the construction of the water control structure.

December. The Water Control Structure is completed. One-way flaps in the structure allowed water to travel in, but Metro was also able to control the release of water, slowly releasing it to provide mudflats for migrating shorebirds and to allow emergent wetland vegetation to grow seasonally.

December. The Metro Council approves the *Smith and Bybee Wetlands Natural Area Trail Feasibility Study* and makes decisions on the trail routes to protect the ancient ash and wetland habitat. It was an extremely contentious process resulting in long-term acrimony among many that had been partners until the plan was approved and implemented.

December 24. The Port of Portland and Metro enter into an Intergovernmental Agreement (IGA) wherein the Port takes ownership of 6.74 acres adjacent to the Vanport Wetlands, known as the Force Avenue site, and Metro takes ownership of 3.46 acres adjacent to N. Marine Drive. This enables Metro to develop a new parking lot, public art, and recreational facility for the Smith and Bybee Wetlands.

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| 2004 | Jones and Stokes Associates, an environmental planning, and natural resources management consulting services firm are hired to develop ideas and projects for improving the habitat value of the St. Johns Landfill cover vegetation. The firm authored the <i>Conceptual Landfill Vegetation and Wildlife Habitat Management Plan</i> . |
| 2005 | July 8. Metro re-opens the Section 7 (Endangered Species Act) consultation to enable installation of a trash rack on the water control structure. The U.S. Army Corps of Engineers permit was modified to account for the trash racks, as well to enable easier fish sampling. |
| 2007 | September 24. The Port of Portland provides 5 acres of dredge sand material from West Hayden Island to the St. Johns Landfill for the purpose of improving habitat for streaked horned lark, meadow lark, and western painted turtle. |
| 2008 | March. The Smith and Bybee Lakes Management Committee and the Friends of Smith and Bybee Lakes issues recommendations on the management of invasive plant species. |

ATTACHMENT 2

- 2010 The North Slough Bridge Feasibility Study was finalized.
- 2011 The South Slough Trail Alignment Feasibility Study is finalized.
- 2012 The *Comprehensive Natural Resources Plan* (CNRP) replaces the *Natural Resources Management Plan* (NRMP) as the guiding document for natural resource management at Smith and Bybee Lakes.
- A large avian botulism outbreak is exacerbated by beaver dams and sedimentation in the channel that interfered with the ability to draw down Smith Lake. Metro staff member, Katy Weil, Senior Natural Resource Scientist, leads the response which included weeks of hazing waterfowl to prevent them from feeding at Smith and Bybee and becoming sick. Thousands of birds died; however, probably tens of thousands survived due to these efforts.
- 2013 A small outbreak of avian botulism occurs at Smith and Bybee Lakes.
- November. An updated management plan for the St. Johns Landfill is written.
- 2014 Another outbreak of avian botulism occurs. Once again, Ms. Weil leads the response through beaver dam management and waterfowl hazing.
- St. Johns Prairie Phase 1: 17 acres are planted in native wildflowers and grasses via seed drill.
- 2016 St. Johns Prairie Phase 2: 40 acres are planted. Seeds are drilled and hand seeded.
- December 9. The OWRD conducts routine inspections of the water control structure at Smith and Bybee Lakes and sends letters to Metro with suggestions. In addition, they periodically send invoices to Metro for a water storage permit. Metro viewed these as a minor cost and readily paid them when received.
- 2017 March 23. Metro undertakes a channel management project involving the clearing of sediment from the channel between the Smith and Bybee Lakes that had accumulated from aquatic rodent activities. Metro requests and receives the \$285,000 (with interest) that had been reserved as part of the Rivergate Consent Decree. Metro also completes modifications to the water control structure to improve employee safety and to provide greater flexibility in managing water flows in and out of the wetlands.
- 2018 June 14. The Metro Council adopts Resolution 18-4881 to approve the exchange of Metro owned land on Government Island for Port of Portland owned land in the Smith and Bybee Wetlands.
- 2019 August 16. The Port of Portland and Metro sign a Conservation Easement and Option Agreement adding further protections to 283.27 acres at Smith and Bybee Wetlands and an option for the Port to transfer title of the property to Metro.
- 2020 St. Johns Prairie Phase 3: 75 acres and more than 2,500 lbs. of seed are planted. Three-year grow-out contracts with native plant producers resulted in more than 60 species of seed, bulbs, and plugs.

Summary Collection Description

This collection documents the history of the Smith and Bybee Lakes Wildlife Area (subsequently the Smith and Bybee Wetlands Natural Area) as well as the closure process for the St. Johns Landfill. It consists primarily of paper records, with some photographs, slides, and electronic records.

The records were gathered and preserved by Emily Roth, former Smith and Bybee Lakes Wildlife Area Manager. Upon Ms. Roth's departure in 1999, Elaine Stewart, Senior Natural Resource Scientist assumed responsibility of the records. When Ms. Stewart retired in February 2022, the records were transferred to Metro's Records and Information Management (RIM) Program for archiving and permanent storage. One box containing records on western painted turtles was retained by the Parks and Nature Department to provide background information for an ongoing research project about the turtles at Smith and Bybee Lakes.

Ms. Stewart partnered with Pam Welch, RIM Analyst to conduct a preliminary inventory of the records, creating the eight collection divisions. In addition, through a partnership between Metro and San Jose State University, Alicia Butler was accepted as a graduate intern to process the collection and prepare it for digitization, permanent storage, and public access.

Upon completion of the records inventory, it was discovered that many of the records in the collection were meeting records of the Smith and Bybee Advisory Committee (SBAC). As such, the decision was made to incorporate the records into the SBAC Meeting Records Collection.

Box Numbers and Descriptions

Below is a general list of numbers and descriptions of boxes containing the Smith and Bybee Natural Area Historical Collection.

<i>Box No.</i>	<i>Box Description</i>
PN000036	Smith and Bybee Historic Records Collection – Landfill Closure, Vegetation; Landfill Closure, Regulatory; and Smith and Bybee Planning, Facilities/Access
PN000037	Smith and Bybee Historic Records Collection – Smith and Bybee Planning, Facilities/Access; Water Management
PN000038	Smith and Bybee Historic Records Collection – Water Management; Smith and Bybee Planning, Natural Resources
PN000039	Smith and Bybee Historic Records Collection – Smith and Bybee Planning, Natural Resources
PN000040	Smith and Bybee Historic Records Collection – Advisory Committee
PN000041	Smith and Bybee Historic Records Collection – Smith and Bybee Misc.; and Smith and Bybee Turtles

Collection Divisions

Collection Division 1: Landfill Closure, Vegetation

This collection division consists of materials related to vegetation planning at the St. Johns Landfill. The closure of the landfill provided Metro with the challenging task of recreating an ecosystem. Research materials, planning documentation, reports, and correspondence with environmental construction contractors make up most of this division.

<i>Box/Folder No.</i>	<i>Folder Description</i>	<i>Dates</i>
PN000036 / 1	Critical Area Planting (acre)	10/01/1977
PN000036 / 2	Restoration of Coastal Ecology on Landfill	12/01/1985
PN000036 / 3	Proceedings of the 2nd Native Plant Revegetation Symposium	04/15/1987 to 04/18/1987
PN000036 / 4	Vegetative Cover for Capping a Landfill at Closure	01/01/1990
PN000036 / 5	Soil Solarization for Restorationists	01/01/1990
PN000036 / 6	St. Johns Landfill Closure Improvements	12/01/1990
PN000036 / 7	Tree Establishment and Growth at Pitsea Landfill Site	01/01/1991
PN000036 / 8	Cover Vegetation Program: Fresh Kills Landfill	02/01/1991
PN000036 / 9	Correspondence, St. Johns landfill revegetation effort	04/15/1991 to 12/06/1991
PN000036 / 10	Impact of Poplar Tree Buffers on Riparian Ecosystems	06/23/1991 to 06/26/1991
PN000036 / 11	Landfill Cap Closure Utilizing a Tree Ecosystem	06/23/1991 to 06/26/1991
PN000036 / 12	Tree Planting on Landfills	10/01/1991
PN000036 / 13	Final Use Plan for Noble Road Landfill, Richland, OH	10/01/1991
PN000036 / 14	Closure of SA-1	11/01/1991
PN000036 / 15	St. Johns Landfill Closure of Subarea 1	12/01/1991
PN000036 / 16	Survival, Reproduction, and Recruitment of Woody Plants	01/01/1992
PN000036 / 17	Landfill Wildlife Habitat Field Demonstration Project: Environmental	01/01/1992
PN000036 / 18	Correspondence, St. Johns landfill revegetation effort	05/11/1992 to 12/15/1992
PN000036 / 19	Bringing Beauty to a Beast of a Dump	05/14/1992
PN000036 / 20	Status Report St. Johns Landfill Soils Procurement Contract	06/01/1992
PN000036 / 21	SJL Vegetation Management Plan Draft Master Plant List	undated
PN000036 / 22	Miramar: A Full-Scale Waste Management	07/01/1992
PN000036 / 23	Correspondence, changes to St. Johns Landfill Cover Vegetation Plan	07/22/1992 to 07/23/1992; undated
PN000036 / 24	St. Johns Landfill Cover Vegetation Plan	08/01/1992

ATTACHMENT 2

PN000036 / 25	Meeting Records, Preparatory Meeting for Sub–Area IV Vegetation September 22, 1992	09/22/1992
PN000036 / 26	St. Johns Landfill Subarea 1: Prairie Seeding	11/01/1992
PN000036 / 27	Draft Proposal St. Johns Landfill Vegetation Management	undated
PN000036 / 28	St. Johns Landfill Cover Vegetation Plan: Shrub Test Plot Report	03/01/1993
PN000036 / 29	St. Johns Landfill Cover Vegetation Plan: Shrub Test Plot Report	03/01/1993
PN000036 / 30	Correspondence, St. Johns Landfill Cover Vegetation Plan: Shrub Test	05/10/1993
PN000036 / 31	Meeting Records, St. Johns Landfill Landscape Maintenance May 20, 1993	05/20/1993
PN000036 / 32	Forest Restoration on a Closed Landfill	06/01/1993
PN000036 / 33	Correspondence, St. Johns Landfill revegetation effort	07/02/1993 to 08/25/1993
PN000036 / 34	Meeting Records, Vegetation Meeting July 12, 1993	07/12/1993
PN000036 / 35	The Introduction of Native Plant Species on Industrial Waste Heaps	01/01/1994
PN000036 / 36	Part 1 Proposed 1994 Work	01/01/1994
PN000036 / 37	Meeting Records, Landfill Cover Vegetation March 3, 1994	03/03/1994
PN000036 / 38	Meeting Records, St. Johns Landfill Vegetation Cover March 3, 1994	03/03/1994
PN000036 / 39	St. Johns Landfill Cover Vegetation Plan: 1994 Demonstration Plot	04/01/1994
PN000036 / 40	Correspondence, Senior Gardener position for the St. Johns Landfill	08/16/1994
PN000036 / 41	St. Johns Landfill Cover Vegetation Plan Demonstration Plots	12/01/1994
PN000036 / 42	Correspondence, native vegetation planning for 1996 and treatment	01/04/1995
PN000036 / 43	Experimental Park Grows on a Landfill	06/01/1995
PN000036 / 44	Correspondence, habitat management, planting riparian vegetation	08/18/1995 to 10/25/1995
PN000036 / 45	Strategies for Mixed–Grass Prairie Restoration	12/01/1995
PN000036 / 46	Correspondence, grant funding, sand deltas, vegetation management	02/06/1996 to 12/20/1996
PN000036 / 47	Correspondence, an inspection of the St. Johns Landfill	06/24/1996 to 07/15/1996
PN000036 / 48	Hidden Opportunities	07/01/1996
PN000036 / 49	Correspondence, St. Johns Landfill vegetation management, planning	09/18/1996 to 10/21/1996
PN000036 / 50	Correspondence, authorization to proceed work on St. Johns Landfill	11/22/1996; undated
PN000036 / 51	Draft 1997 Vegetation Maintenance Plan for SJL	01/01/1997

ATTACHMENT 2

PN000036 / 52	Native Vegetation for St. Johns Landfill	01/01/1997
PN000036 / 53	Correspondence, Vegetation Maintenance Plan scope of work	01/15/1997
PN000036 / 54	St. Johns Landfill 1997 Vegetation Maintenance Program: Task Three	02/01/1997
PN000036 / 55	St. Johns Landfill 1997 Vegetation Maintenance Program: Task Two	03/01/1997
PN000036 / 56	St. Johns Landfill 1997 Vegetation Maintenance Program: Task One	03/01/1997
PN000036 / 57	Correspondence, Native Vegetation Restoration Plan drafts, reports	03/02/1997 to 12/10/1997
PN000036 / 58	Request for Proposals for Establishment of Native Vegetation	04/01/1997
PN000036 / 59	Proposal for Professional Services: Establishment of Native Veg.	05/21/1997
PN000036 / 60	A Chronology of Metro Contract Number 905795 – Establishment	07/08/1997 to 11/03/1997
PN000036 / 61	Establishment of Native Vegetation St. Johns Landfill Preface Phase 1	07/16/1997 to 09/24/1997
PN000036 / 62	Correspondence, establishment of native vegetation at SJL	08/01/1997 to 12/03/1997
PN000036 / 63	Mark G. Wilson, Laura Brophy, and Dennis O’Neil Meeting Notes	09/15/1997
PN000036 / 64	Establishment of Native Vegetation at St. Johns Overview and Phase 1	11/01/1997
PN000036 / 65	Meeting Notes, Metro REM and Mark G. Wilson	12/10/1997
PN000036 / 66	Establishment of Native Vegetation at St. Johns Landfill Draft	01/05/1998
PN000036 / 67	Establishment of Native Vegetation at St. Johns Landfill: Overview	02/01/1998
PN000036 / 68	Per Acre Cost Estimate – Cover Vegetation for St. Johns Landfill	05/05/1998
PN000036 / 69	Correspondence, cover vegetation and use of drill seeder at SJL	05/13/1998 to 05/19/1998
PN000036 / 70	Establishment of Native Vegetation at St. Johns Landfill: Vegetation	08/01/1998
PN000036 / 71	Establishment of Native Vegetation at St. Johns Landfill: Appendices	11/01/1998
PN000036 / 72	Project Status Report St. Johns Landfill	11/08/1999
PN000036 / 73	Conserving Grassland Bird Habitat in the Chicago Wilderness	08/01/2000
PN000036 / 74	Project Status Report: St. Johns Landfill	12/01/2000

ATTACHMENT 2

PN000036 / 75	Correspondence, revegetating the perimeter bank, status reports	12/18/2000 to 01/23/2001
PN000036 / 76	Meeting Records, St. Johns Landfill Revegetation February 22, 2001	02/22/2001
PN000036 / 77	St. Johns Landfill Revegetation Meeting Minutes, reference materials	02/02/2001
PN000036 / 78	Correspondence, habitat possibilities at St. Johns Landfill	03/13/2001
PN000036 / 79	Correspondence, Watershed Revegetation Program at SJL	03/20/2002
PN000036 / 80	Correspondence, some background information on SJL	10/30/2002
PN000036 / 81	Correspondence, references for a contact for revegetation plan	10/30/2002 to 10/31/2002
PN000036 / 82	St. Johns Landfill Revegetation Meeting Minutes, reference materials	11/05/2002
PN000036 / 83	Smith Lake: Tufted Grasses and Emergents	undated
PN000036 / 84	Correspondence, scope of work for St. Johns Landfill vegetation	03/17/2003; undated
PN000036 / 85	St. Johns Landfill Vegetation Management Plan Scoping Meeting	05/01/2003
PN000036 / 86	Vegetation Questions	05/13/2003
PN000036 / 87	Conceptual Landfill Vegetation and Wildlife Habitat Plan	03/01/2004
PN000036 / 88	St. Johns Landfill Conceptual Landfill Vegetation and Wildlife Habitat	03/01/2004
PN000036 / 89	Meeting Records, St. Johns Landfill Vegetation Team April 22, 2004	04/22/2004
PN000036 / 90	Correspondence, weed control at SJL and North Portland Road	05/19/2004 to 10/05/2004
PN000036 / 91	Correspondence, planting drought tolerant species at N. Portland Rd.	10/14/2004 to 12/10/2004
PN000036 / 92	Correspondence, monitoring vegetation conditions at N. Portland Rd.	10/18/2004 to 02/11/2005
PN000036 / 93	St. Johns Landfill Slope Restoration Annual Plant Establishment	11/12/2004
PN000036 / 94	Site Management Plan St. Johns Landfill	11/01/2013
PN000036 / 95	Woody Plant Roots Fail to Penetrate a Clay-Lined Landfill	undated
PN000036 / 96	Restoring a Northeast Coastal Forest on the Fresh Kills Landfill	undated
PN000036 / 97	Habitat Restoration	undated
PN000036 / 98	Soil Microbial Biomass Service	undated

Collection Division 2: Landfill Closure, Regulatory

This collection division consists of materials used for or created during the regulatory process of closing the St. Johns Landfill. This was a heavily regulated process involving several interested parties, including the public. Most of this division consists of planning materials, environmental analyses, legal documentation, and public correspondence or comments.

<i>Box/Folder No.</i>	<i>Folder Description</i>	<i>Dates</i>
PN000036 / 99	Revised Closure and Financial Assurance Plan St. Johns Landfill	09/01/1989
PN000036 / 100	St. Johns Landfill Construction Documents	08/01/1992
PN000036 / 101	Computer Modeling and Scientific Visualization of SJL	03/01/1994
PN000036 / 102	Columbia Slough/St. Johns Landfill Cultural Resource Survey	07/07/1998
PN000036 / 103	Analysis of Data Related to Surface Water Quality in Columbia Slough	05/01/1999
PN000036 / 104	Correspondence, NPDES Stormwater Discharge Permit 1200-COLS	09/16/1999; undated
PN000036 / 105	Attachment C Draft Remedial Investigation/Feasibility Study Scope	11/01/2002
PN000036 / 106	Correspondence, St. Johns Landfill RI-FS Phase 1 public outreach	01/14/2003 to 12/29/2003
PN000036 / 107	DEQ Responses to Public Comments on the Draft SJL Closure	02/27/2003 to 05/13/2003
PN000036 / 108	Public Notice: Hearing & Request for Comments: Proposed Permit	04/10/2003
PN000036 / 109	DEQ No. LQSW-NWR-02-04 RI/FS Consent Order	undated
PN000036 / 110	Correspondence, St. Johns Landfill closure permit	05/19/2003
PN000036 / 111	Fresh Questions Seep Into Dormant Landfill Issue	05/30/2003
PN000036 / 112	Correspondence, St. Johns Landfill closure	06/06/2003
PN000036 / 113	Solid Waste Disposal Site Closure Permit	10/31/2003
PN000036 / 114	Order of Consent	10/31/2003
PN000036 / 115	St. Johns Landfill RI-FS Public Involvement Group meeting, references	11/20/2003
PN000036 / 116	St. Johns Landfill RI-FS Public Involvement Group meeting, references	12/15/2003
PN000036 / 117	Meeting Records, St. Johns Landfill RI-FS Public Involvement January 23, 2004	01/23/2004
PN000036 / 118	Remedial Investigation Proposal Draft	02/27/2004
PN000036 / 119	Documents, Correspondence, Stakeholder Interviews	05/11/2004 to 05/25/2004; undated
PN000036 / 120	Solid Waste Disposal Site Closure Permit: Municipal Solid Waste	07/31/2013

Collection Division 3: Smith and Bybee Natural Area Planning, Facilities/Access

This collection division consists of materials used for or created by planning activities surrounding recreational activity, construction, and accessibility of the Smith and Bybee Wetlands Natural Area. Many of these activities or projects were subject to public input. As a result, correspondence from the public, public forums, and published management plans make up the majority of this division.

<i>Box/Folder No.</i>	<i>Folder Description</i>	<i>Dates</i>
PN000036 / 121	Smith and Bybee Lakes Management Plan	03/12/1990
PN000036 / 122	Smith & Bybee Lakes Recreation Master Plan	11/01/1992
PN000036 / 123	Correspondence, management of recreation at S&B	11/15/1993
PN000036 / 124	A Survey of Potential Users S&B Lakes Interpretive	04/01/1994
PN000036 / 125	Meeting Records, S&B Lakes Public Forum April 13, 1994	04/13/1994
PN000036 / 126	Meeting Records, S&B Interpretive Center April 27, 1994	04/27/1994
PN000036 / 127	The "Best of the Bay Area Interpretive Centers"	05/16/1994
PN000037 / 1	S&B Lakes Interpretive Center Public Forum #5	05/17/1994
PN000037 / 2	S&B Lakes Interpretive Center Public Forum #2	06/28/1994
PN000037 / 3	S&B Lakes Interpretive Center Conceptual Design	08/01/1994
PN000037 / 4	Report, Adoption of Concept Design for S&B	11/16/1994
PN000037 / 5	Resolution No. 94-1978 adopting concept design	11/22/1994
PN000037 / 6	SBWNA Recreation Facilities Plan	11/01/1999
PN000037 / 7	Survey for the Proposed Wapato Corrections Facility	08/22/2000
PN000037 / 8	Maps, North Marine Drive Extension – Phase 2	07/05/2001
PN000037 / 9	Correspondence, future operation, maintenance	09/24/2001 to 10/31/2001
PN000037 / 10	Meeting Records, Use of St. Johns Landfill & Adjacent October 9, 2001	10/09/2001
PN000037 / 11	Request for Proposals Design Services for Facilities	05/01/2002
PN000037 / 12	Proposal # 2-1015 Recreation Facility and Public Art	05/17/2002
PN000037 / 13	Correspondence, ash forest, implications of trail	06/26/2002
PN000037 / 14	SBWNA Trails Feasibility Study	12/01/2003 to 04/01/2005
PN000037 / 15	Correspondence, water control structure	05/24/2004 to 06/07/2005
PN000037 / 16	North Slough Bridge Feasibility Study at S&B	01/01/2006 to 12/31/2007

Collection Division 4: Smith and Bybee Natural Area Water Management

This collection division consists of materials used for or created by planning activities related to the management of water in the Smith and Bybee Lakes. Due to the heavily regulated nature of water management, this collection division includes many legal materials, permits, applications, reports, studies, research materials, and correspondence.

<i>Box/Folder No.</i>	<i>Folder Description</i>	<i>Dates</i>
PN000037 / 17	Photographs of Smith and Bybee Wetlands Aerial Photography	01/01/1936 to 12/31/2015
PN000037 / 18	Correspondence, permission to install a culvert at Columbia Slough	09/20/1967
PN000037 / 19	Correspondence, water quality reports	12/29/1971
PN000037 / 20	Lakes of Oregon: Hood River, Multnomah, Washington, and Yamhill	01/01/1975
PN000037 / 21	Oregon Archaeological Survey	03/01/1977
PN000037 / 22	Correspondence, water controls to help prevent Clostridium botulinum	08/24/1981 to 09/22/1981
PN000037 / 23	Permit Application R-62601	09/08/1981
PN000037 / 24	Proposed Certification of Water Right R-62601	09/08/1981
PN000037 / 25	Permit Application 62602	09/08/1981
PN000037 / 26	Filing Fee for Control Structures at Smith-Bybee Lake	09/08/1981
PN000037 / 27	Application for Permit to Appropriate Surface Water 62602	09/30/1981
PN000037 / 28	Application for a Permit to Construct a Reservoir R-62601	09/30/1981
PN000037 / 29	R-62601 Permit to Construct a Reservoir and Store for Beneficial Use	09/30/1981
PN000037 / 30	Application for a Permit to Construct a Reservoir	09/30/1981
PN000037 / 31	Application for a Permit to Appropriate Surface Water	09/30/1981
PN000037 / 32	Water-Quality Data for Smith and Bybee Lakes Portland, Oregon	01/01/1983
PN000037 / 33	Water-Quality Data for Smith and Bybee Lakes Portland, Oregon	01/01/1983
PN000037 / 34	S&B Lakes: Completion of Water Quality Tasks Assigned to NPPEN-HH-R	06/01/1983
PN000037 / 35	S&B Lakes: Completion of Water Quality Tasks Assigned to NPPEN-HH-R	06/01/1983
PN000037 / 36	Correspondence, permit number R-8298	10/13/1983
PN000037 / 37	WRD Dam Safety File: 196.820 Prohibition Against Issuance of Permits	undated
PN000037 / 38	Correspondence, S&B lake water control structure and dike rehabilitation	01/13/1984
PN000037 / 39	Correspondence, renewal of the Rivergate dredging permit	02/15/1984
PN000037 / 40	Correspondence, assignment of permits R-62601 and 62602	05/31/1984
PN000037 / 41	Department of the Army Permit	11/30/1984

ATTACHMENT 2

PN000037 / 42	Correspondence, negotiations for the Rivergate dredging permit	08/14/1987
PN000037 / 43	Condition Rating Sheet: Earth Embankments	10/06/1987
PN000037 / 44	Condition Rating Sheet: Earth Embankments	10/25/1988
PN000037 / 45	Proposal for a Clean Lakes Grant Smith and Bybee Lakes	01/30/1989
PN000037 / 46	GPS Data Sheet	02/16/1990
PN000037 / 47	Port of Portland Smith-Bybee Lakes Control Structure	09/01/1990
PN000037 / 48	Correspondence, updates to the permit to dredge, fill at Rivergate	09/01/1990 to 06/03/1991
PN000037 / 49	South Rivergate Landfill Outfall To Do	02/26/1991
PN000037 / 50	Application for Funding Under the Clean Lakes Program	01/01/1992
PN000037 / 51	Draft Fishery Assessment at Smith and Bybee Lakes	01/01/1992
PN000037 / 52	Draft Assessment of Management Alternatives Improving Water Quality	01/01/1992
PN000037 / 53	Smith and Bybee Lakes [Water Control Structure Engineering Plan]	02/19/1992
PN000037 / 54	Smith & Bybee Lakes Water Level Control	03/19/1992
PN000037 / 55	Correspondence, access ramp to the S&B water control structure; Map	06/01/1992 to 06/16/1992
PN000037 / 56	Electrofishing Survey of Smith and Bybee Lakes; Customer Invoice	06/01/1992 to 09/21/1992
PN000037 / 57	Notice of a Proposal in your Neighborhood	07/14/1992
PN000037 / 58	Application for Funding Under the Clean Lakes Program Phase 1 Feasibility	01/01/1993
PN000037 / 59	Application for Funding Under the Clean Lakes Program Phase 1 Feasibility	01/01/1993
PN000037 / 60	Frequently Detected Contaminants in Sediments	01/01/1993 to 12/31/2002
PN000037 / 61	Analytical Results for Surface Water Leachate Indicators	01/01/1993 to 12/31/2002
PN000037 / 62	Analytical Results for Surface Water	01/01/1993 to 12/31/2002
PN000037 / 63	Analytical Results for Sediment Quality Parameters	01/01/1993 to 12/31/2002
PN000037 / 64	Frequently Detected Contaminants in Sediments	01/01/1993 to 12/31/2002
PN000037 / 65	Hydraulic and Water Quality Modeling of Opening S&B Lakes to Columbia	03/04/1993 to 07/31/1995; undated

ATTACHMENT 2

PN000037 / 66	St. Johns L.F. #27-1919-09(41)	05/10/1993
PN000037 / 67	A Short History of the Planning Efforts for Smith and Bybee Lakes	undated
PN000037 / 68	Smith and Bybee Lake Phase 1	undated
PN000037 / 69	S&B Lakes 1994-95 Screening Level Risk Assessment	01/01/1994 to 12/31/1995
PN000037 / 70	314 Clean Lakes Grant Project Quarterly Progress Report No. 2	01/26/1994
PN000037 / 71	Smith and Bybee Sediment Assessment	02/01/1994
PN000037 / 72	Portland International Airport Airtrans Center West and NE Buffalo Street	02/01/1994
PN000037 / 73	Permit to Appropriate the Public Waters (Permit Number 51547)	10/05/1994
PN000037 / 74	Hydraulic and Water Quality Modeling of Opening S&B Lakes to Columbia	01/01/1995
PN000037 / 75	Water Management - Hydraulic and Hydrologic Model of the Flow Control Structure	01/01/1995
PN000037 / 76	Correspondence, S&B Lakes flow augmentation and water quality	02/01/1995; undated
PN000037 / 77	Draft Analysis of Impacts of Flow Augmentation from S&B Lakes	03/01/1995
PN000037 / 78	Correspondence, the evaluation of pollutant impacts on the S&B lakes	04/13/1995
PN000037 / 79	Smith & Bybee Lake Water Level Management Analysis	05/02/1995
PN000037 / 80	Smith & Bybee Lakes Tidal Exchange Analysis	05/09/1995
PN000037 / 81	314 Clean Lakes Grant Project Quarterly Progress Report No. 8	06/30/1995
PN000037 / 82	Water Management Objectives for Smith and Bybee Lakes	09/08/1995
PN000037 / 83	314 Clean Lakes Grant Project Quarterly Progress Report No. 9	09/30/1995
PN000037 / 84	Condition Rating Sheet: Earth Embankments	10/17/1995
PN000037 / 85	Rivergate Industrial District Rivergate Rail Improvements Site B and C	11/01/1995
PN000037 / 86	Optimum Water Level Control of Smith/Bybee Lakes	undated
PN000037 / 87	Rivergate	01/01/1996 to 12/31/1997
PN000037 / 89	Correspondence, proposed revisions to the Rivergate Fill Agreement	05/18/1996 to 01/08/1998
PN000037 / 90	Concept of Design for Water Control Replacement Structure	05/20/1996
PN000037 / 92	Recommendations to SBLMC for Phased Approach to Habitat Enhancement	06/25/1996
PN000037 / 93	Water Management - Diagnostic and Feasibility Study of Smith & Bybee Lakes	07/01/1996
PN000037 / 94	Diagnostic and Feasibility Study of Smith & Bybee Lakes	07/01/1996
PN000037 / 95	Water Management - Diagnostic and Feasibility Study of Smith & Bybee Lakes Appendices	07/01/1996

ATTACHMENT 2

PN000037 / 96	Correspondence, concerns about illegal activity at Rivergate	07/17/1996 to 10/15/1996
PN000037 / 97	Master Drainage Plan	08/01/1996
PN000037 / 98	Correspondence, information on fish being stranded in the S&B lakes	09/11/1996 to 10/14/1996; undated
PN000037 / 99	Correspondence, support of water management, restoration of S&B	11/13/1996
PN000037 / 100	Correspondence, permit requirements, OWRD Dam Safety, dam removal	11/26/1996
PN000037 / 101	Correspondence, Rivergate Fill Agreement Management Plan	12/30/1996 to 01/10/1997
PN000037 / 102	Correspondence, mitigation program	04/01/1997
PN000037 / 103	Emily Roth Notes from her Discussion w/ Brian Campbell of Port of Portland	05/21/1997
PN000037 / 104	Correspondence, Bathymetric Maps	07/22/1997
PN000037 / 105	Rivergate Cooperative Agreement: Mitigation Program	08/01/1997
PN000037 / 106	Document - Mitigation Program Example of Form/Matrix	08/04/1997
PN000037 / 107	Rivergate Cooperative Agreement: Mitigation Program	08/07/1997
PN000037 / 108	Rivergate Cooperative Agreement	08/27/1997
PN000037 / 109	St. Johns Landfill Closure Project Annual Report to the Oregon DEQ	09/01/1997 to 06/30/1998
PN000037 / 110	Summary of Agency Tour of Port Mitigation Areas and Ramsey Lake	09/10/1997
PN000037 / 111	SW Quad Mitigation Program Draft Comments	10/01/1997
PN000037 / 112	Smith and Bybee Lakes Environmental Studies Summary Report	11/01/1997
PN000037 / 113	Table 20: Water Quality Criteria Summary	11/01/1997
PN000037 / 114	Surface Water Sampling	07/01/1998
PN000037 / 115	Rivergate Industrial District Ramsey Lake Mitigation Ponds	08/29/1998
PN000037 / 116	Brief History of the Proposed Water Control Structure at S&B Lakes	09/09/1998
PN000037 / 117	Inspection Record	09/23/1998
PN000037 / 118	Characterization of Surface Water Data High-Frequency Monitoring	10/01/1998 to 12/01/1999
PN000037 / 119	Evaluation Framework	11/01/1998
PN000037 / 120	Port of Portland Water Management and Conservation Plan	12/01/1999
PN000037 / 121	Correspondence, the Port of Portland's Water Management Plan	01/03/2000 to 06/12/2000
PN000037 / 122	Correspondence, the Oregon Bass and Panfish Club's objections	01/09/2000 to 05/01/2000
PN000037 / 123	Water Quality	02/24/2000

ATTACHMENT 2

PN000037 / 124	Environmental Action Memorandum and Migratory Birds & Habitat	03/03/2000 to 05/19/2003
PN000037 / 125	Environmental Action Memorandum	03/03/2000 to 07/18/2003
PN000037 / 126	Correspondence, obtaining water rights	03/06/2000 to 03/24/2000
PN000037 / 127	Oregon Bass & Panfish Club	03/30/2000 to 08/31/2000; undated
PN000037 / 128	Proposed Certificates of Water Right	05/05/2000
PN000037 / 129	Correspondence, salmon, ESA, and the leachate	08/04/2000 to 08/11/2000
PN000037 / 130	Correspondence, grant proposal to replace the water control structure	08/16/2000 to 01/30/2001
PN000037 / 131	Smith and Bybee Lakes Restoration Grant Proposal	09/01/2000
PN000037 / 132	Correspondence, assignment of permits R-8298 and S-45974 to Metro	09/28/2000 to 11/28/2000
PN000037 / 133	Correspondence, endorsement for replacing the S&B Dam	11/06/2000 to 11/28/2001
PN000037 / 134	Consideration of Resolution No. 00-3015	11/09/2000
PN000037 / 135	Smith & Bybee Lakes Surface Elevational Area Relationship	11/09/2000 to 12/21/2000; undated
PN000038 / 1	Case No. CV97-1674-ST [Rivergate Consent Decree]	11/21/2000 to 11/30/2000
PN000038 / 2	Correspondence, water control structure, St. Johns Landfill	12/19/2000 to 12/22/2000
PN000038 / 3	Stewart Notes Re Discussions on Existing Dam/Weir	01/17/2001 to 12/31/2003
PN000038 / 4	Smith and Bybee Lakes Restoration Grant Proposal	01/31/2001
PN000038 / 5	Correspondence, engineering designs for the water control structure	01/31/2001 to 08/24/2001
PN000038 / 6	Meeting Records, Greg Geist Minutes February 28, 2001	02/28/2001
PN000038 / 7	Certificate of Water Right 76913	05/10/2001

ATTACHMENT 2

PN000038 / 8	Certificate of Water Right 76914	05/10/2001
PN000038 / 9	Smith Bybee OR 31-1 Parsons Brinckerhoff Hydraulic Modeling Contract	06/08/2001 to 11/16/2001
PN000038 / 10	General Authorization for Fish Habitat Enhancement Standards for Review	07/01/2001
PN000038 / 11	Watershed Improvement Grant Agreement	07/12/2001 to 08/03/2001
PN000038 / 12	Correspondence, a substantial fish die-off and other botulism concerns	08/19/2001
PN000038 / 13	Smith and Bybee Lake Water Control Structure Draft Hydraulics Report	10/01/2001
PN000038 / 14	Correspondence, Fish Enhancement General Authorization Permit	11/27/2001
PN000038 / 15	Resolution No. 01-3125 to Replace the Dam with a Water Control Structure	11/29/2001
PN000038 / 16	Surveyed Elevations at Mitigation Site	undated
PN000038 / 17	Correspondence, water quality management and concerns	01/16/2002 to 03/21/2002
PN000038 / 18	Biological Assessment	01/28/2002
PN000038 / 19	Correspondence, Documents, water quality data	02/05/2002 to 02/21/2002; undated
PN000038 / 20	Joint Permit Application Form	03/06/2002
PN000038 / 21	Fish Habitat Enhancement General Authorization Application	03/07/2002
PN000038 / 22	Correspondence, permit for modification of trash racks and fish sampling	03/19/2002 to 06/08/2005
PN000038 / 23	Site Mitigation or Remediation Plan	03/20/2002
PN000038 / 24	Type 2 Environmental Review SBWNA Water Control Structure	03/22/2002
PN000038 / 25	Urban Forestry (Street Tree) Review Checklist and Fee Statement	03/28/2002
PN000038 / 26	General Authorization for Fish Habitat Enhancement Rule OAR 141-89-005	04/16/2002
PN000038 / 27	Land Use Review Notice 02-113706 EN	04/30/2002
PN000038 / 28	Correspondence, Land Use Review 02-113706 EN	05/01/2002 to 08/27/2002
PN000038 / 29	Building and Other Permits Fee Schedule	07/01/2002
PN000038 / 30	Correspondence, Meeting Records, permits and the 40-mile trail	07/09/2002 to 11/19/2002
PN000038 / 31	Decision Notice for LU 02-113706 EN	undated

ATTACHMENT 2

PN000038 / 32	Alternatives Analysis	undated
PN000038 / 33	Evaluation	undated
PN000038 / 34	Hydrologic Management of a Tidal Floodplain Wetland	01/01/2003
PN000038 / 35	Land Use Review Notice Decision	01/10/2003
PN000038 / 36	Land Use Review Notice 02-113706 EN	01/10/2003
PN000038 / 37	Land Use Review Application	01/22/2003 to 01/28/2003
PN000038 / 38	Correspondence, Report, surface water tests, Painted Turtle Habitat	02/03/2003 to 03/13/2003
PN000038 / 39	Inspection Request (IVR) Pocket Reference	02/04/2003
PN000038 / 40	Public Notice for Permit Application	04/08/2003
PN000038 / 41	Correspondence, Water Structure Replacement Project	04/24/2003 to 05/08/2003
PN000038 / 42	Correspondence, Water Structure Replacement Project	04/27/2003 to 09/03/2003
PN000038 / 43	Correspondence, Water Control Structure replacement project	05/31/2003 to 06/20/2003
PN000038 / 44	Correspondence, engineering cost estimate for construction	06/06/2003
PN000038 / 45	Correspondence, Water Structure Replacement Project	06/06/2003 to 07/25/2003
PN000038 / 46	Correspondence, Document, RCRC Form, Water Control Structure	06/13/2003; undated
PN000038 / 47	Status Check: Site and Commercial Development Permits, Fee Statements	06/16/2003
PN000038 / 48	Status Check: Site and Commercial Development Permits	07/02/2003
PN000038 / 49	Correspondence, the fish habitat enhancement project	07/05/2003 to 09/02/2003
PN000038 / 50	Status Check: Site and Commercial Development Permits	07/10/2003
PN000038 / 51	Correspondence, archaeological record search and survey	07/10/2003
PN000038 / 52	Status Check: Site and Commercial Development Permits	07/17/2003
PN000038 / 53	Correspondence, permit for the water control structure	07/22/2003
PN000038 / 54	Status Check: Site Development Permit	07/28/2003
PN000038 / 55	Correspondence, Document, plan alterations and soil test results	08/01/2003 to 09/03/2003
PN000038 / 56	Endangered Species Act - Section 7 Consultation Biological Opinion	08/04/2003
PN000038 / 57	Endangered Species Act - Section 7 Consultation Biological Opinion	08/04/2003
PN000038 / 58	Meeting Records, Paul V. August 4, 2003	08/04/2003
PN000038 / 59	Sediment Evaluations, E. N. Slough and Bybee Lake	08/04/2003

ATTACHMENT 2

PN000038 / 60	Correspondence, Documents, Water Control Structure replacement	08/04/2003 to 09/04/2003; undated
PN000038 / 61	Meeting Records, Tim Spencer August 6, 2003	08/06/2003
PN000038 / 62	Personal Services Agreement (Metro and North Creek Analytical)	08/06/2003 to 08/08/2003
PN000038 / 63	Personal Services Agreement (Metro and Spencer Environmental)	08/06/2003 to 08/11/2003
PN000038 / 64	Site Development Permit, Fee Statement	08/08/2003
PN000038 / 65	Meeting Records, Tom Melville August 14, 2003	08/14/2003
PN000038 / 66	Soil Characterization, Chain of Custody Report	08/14/2003 to 09/03/2003
PN000038 / 67	Correspondence, confusion about the in-water work window	08/19/2003
PN000038 / 68	Correspondence, regarding modification of the water control structure	08/19/2003 to 09/02/2003
PN000038 / 69	In-Water Timing Extension Form	08/22/2003 to 11/17/2003
PN000038 / 70	Soil Characterization	09/03/2003
PN000038 / 71	Notice of Authorization	09/04/2003
PN000038 / 72	Field Notes	09/17/2003 to 11/16/2003
PN000038 / 73	Correspondence, Document, pond sampling	09/29/2003 to 09/30/2003
PN000038 / 74	Implementation Monitoring	undated
PN000038 / 75	Story of the New Water Control Structure at Smith and Bybee Lakes Wildlife	undated
PN000038 / 76	Fisheries Restoration & Enhancement Program Project Proposal	05/27/2004
PN000038 / 77	Building Permit Application	06/16/2004
PN000038 / 78	Proposed Final Order for Water Management and Conservation Plan	06/24/2004
PN000038 / 79	Smith and Bybee Lakes Monitoring Program Vegetation Sampling	06/29/2004 to 08/02/2007
PN000038 / 80	Stewart Notes for Testimony to R&E Board July 2004	07/01/2004
PN000038 / 81	Inspection Report	07/21/2004
PN000038 / 82	Correspondence, Water Control Structure project	07/21/2004 to 06/08/2005

ATTACHMENT 2

PN000038 / 83	Final Order Approving Water Management and Conservation Plan	08/11/2004
PN000038 / 84	Correspondence, feedback from an inspection	08/26/2004
PN000038 / 85	Inspection Report	09/09/2004
PN000038 / 86	Correspondence, funding, billing for the SBWNA Restoration Project	09/27/2004 to 11/16/2005
PN000038 / 87	\$38,477.25 Metro Spending on WCS to Date	10/18/2004
PN000038 / 88	Application for Game Bird Stamp Funds	10/20/2004
PN000038 / 89	Fish Restoration & Enhancement Program (R&E) Grant Agreement	11/16/2004 to 12/01/2004
PN000038 / 90	Final Seed List & Quantities	undated
PN000038 / 91	Smith and Bybee Wetlands Project Plan Review	undated
PN000038 / 92	Draft SOW to Lisa Merino	01/27/2005
PN000038 / 93	Intergovernmental Agreement Between ODFW and Metro	02/04/2005 to 06/30/2005
PN000038 / 94	First Monitoring Report for N. Portland Rd Restoration and Mitigation Site	02/09/2005
PN000038 / 95	Monitoring Report (Ducks Unlimited)	03/31/2005
PN000038 / 96	Invoice Detail (Ducks Unlimited)	04/19/2005 to 06/30/2005
PN000038 / 97	Achieving Desired Plant Community Changes with Hydrologic Management	04/21/2005
PN000038 / 98	Exhibit C Restoration and Enhancement Program Project Completion	09/09/2005
PN000038 / 99	Instructions for Requesting an Inspection Using IVR	11/01/2005
PN000038 / 100	SBWNA Water Control Structure Project Implementation Monitoring Report	12/01/2005
PN000038 / 101	Site Development Permit Final	07/18/2006
PN000038 / 102	First-Year Responses to Managed Flooding of Lower Columbia River	12/01/2008
PN000038 / 103	Long-Term Responses of Phalaris arundinacea and Columbia River	01/01/2012
PN000038 / 104	Decision of the Hearings Officer Case LU 12-167334 CN (HO 4130004)	05/30/2013
PN000038 / 105	Correspondence, public hearing for the Water Structure Replacement Project	09/04/2013
PN000038 / 106	Smith and Bybee Planning Summary	10/01/2013
PN000038 / 107	Utilization of Resolution No. 14-4510 for Water Control Structure	01/05/2014
PN000038 / 108	Otak Modeling Graphs	08/01/2014 to 09/14/2014

ATTACHMENT 2

PN000038 / 109	Correspondence, Smith and Bybee Escape Ramps, details about hoist used	09/08/2014 to 03/27/2017
PN000038 / 110	Meeting Records, WCS Repair and Upgrades September 23, 2014	09/23/2014
PN000038 / 111	Meeting Records, WCS Repair and Upgrades September 23, 2014	09/23/2014
PN000038 / 112	Personal Services Arrangement between Metro and Ducks Unlimited	11/01/2014
PN000038 / 113	Job Hazard Analysis	12/01/2014
PN000038 / 114	Confined Space Evaluation	12/22/2014
PN000038 / 115	Water Control Structures Repairs and Upgrades - Implementation	01/13/2015
PN000038 / 116	Hazard Recognition Evaluation	01/22/2015
PN000038 / 117	Meeting Records, Water Control Structure September 23, 2014	01/28/2015
PN000038 / 118	SBWNA Multnomah Marsh Water Control Facilities Structural Inspection	03/16/2015
PN000038 / 119	Scope of Consultant Services Phase 2	undated
PN000038 / 120	Maps, SBWNA Lake Reconnection, Heat Map	undated
PN000038 / 121	Smith and Bybee Wetlands Water Management Solutions	03/08/2016
PN000038 / 122	Correspondence, NOAA Fisheries requirements	05/06/2016
PN000038 / 123	Map, Smith & Bybee Channel Management: Site Photos	06/01/2016 to 08/15/2016
PN000038 / 124	S&B Water Control Structures Facility Engineering Plans 90% Design	06/22/2016
PN000038 / 125	S&B Water Control Structures Facility Engineering Plans 90% Design	06/22/2016
PN000038 / 126	Correspondence, Document, 90% Design plans	06/22/2016 to 07/05/2016
PN000038 / 127	S&B Water Control Structures Facility Engineering Plans 100% Design	08/04/2016
PN000038 / 128	Correspondence, Documents, authorization for construction	08/08/2016 to 06/05/2017; undated
PN000038 / 129	Note Regarding Smith/Bybee Channel Modification Options	09/01/2016
PN000038 / 130	Correspondence, Documents, potential mitigation project	09/12/2016 to 01/13/2017; undated
PN000038 / 131	Smith & Bybee Channel Management Solutions	10/31/2016
PN000038 / 132	Meeting Records, Ducks Unlimited Inc. Update Call November 30, 2016	11/30/2016
PN000038 / 133	Correspondence, routine inspection of the Smith-Bybee Lakes Dam	12/09/2016
PN000038 / 134	Metro: Smith Bybee WCS Improvements Permit Set	12/14/2016

ATTACHMENT 2

PN000038 / 135	Water Control Structure Operations	undated
PN000038 / 136	Multnomah Channel Marsh Water Control Structures	undated
PN000038 / 137	Best Management Practices as Provided by Metro	undated
PN000038 / 138	S&B Water Control Structures Facility Engineering Plans Bid Set	02/03/2017
PN000038 / 139	S&B Water Control Structures Facility Engineering Plans Bid Set	03/09/2017
PN000038 / 140	S&B WCS Facility Engineering Plans Bid Set, Section 1000, Description	03/20/2017
PN000038 / 141	Correspondence, comments on application that impacts wetlands	03/23/2017
PN000038 / 142	S&B Water Control Structures Facility Engineering Plans Permit Set	04/06/2017
PN000038 / 143	Correspondence, S&B Lakes Channel Restoration Project, fish salvage	04/12/2017 to 08/18/2017
PN000038 / 144	Engineer Estimate Metro Projects, RFB 3331	04/17/2017 to 04/25/2017; undated
PN000038 / 145	Receipt	04/28/2017
PN000038 / 146	Correspondence, bidding process for the RFB 3331	05/17/2017
PN000038 / 147	Correspondence, permit to construct improvements on S&B WCS	06/19/2017 to 03/06/2018
PN000038 / 148	2017 – Scientific Taking Permit – Fish	07/18/2017
PN000038 / 149	Archaeological Monitoring Plan and Inadvertent Discovery Plan	08/01/2017
PN000038 / 150	Permit No. 60021-RF [for S&B Lakes Channel Restoration]	08/10/2017
PN000038 / 151	Fee Data Sheet	08/17/2017
PN000038 / 152	Notice of a Type Ix Decision on a Proposal in Your Neighborhood	08/17/2017
PN000038 / 153	Soils Special Inspection Program Checklist Balanced Cut and Fill	08/24/2017
PN000038 / 154	Zoning and Site Development Permits	09/01/2017
PN000038 / 155	Site Development Permit Inspection Record	09/01/2017
PN000038 / 156	Zoning Permit	09/01/2017
PN000038 / 157	Authorizations and Permits for Protected Species (APPS)	09/15/2017
PN000038 / 158	S&B Water Control Structures Facility Engineering Plans Final	10/15/2017
PN000038 / 159	S&B Water Control Structures Facility Engineering Plans Record Set	10/15/2017
PN000038 / 160	Application for Department of the Army Permit	11/05/2017
PN000038 / 161	Compliance Certification	11/27/2017
PN000038 / 162	Inspection Report	02/22/2018
PN000038 / 163	Inspection Report	03/05/2018
PN000038 / 164	Commercial Inspection Record	undated
PN000038 / 165	Correspondence, documentation for a set of permits	06/15/2018

ATTACHMENT 2

PN000038 / 166	WCS Upgrades and Repairs - Advisory Committee Presentation	undated
PN000038 / 167	Multnomah Channel Marsh Water Control Structures	undated
PN000038 / 168	Opening Up Smith and Bybee Lakes to North Slough	undated
PN000038 / 169	I Am Dam	01/01/2005
PN000038 / 170	Atlas of Oregon Lakes: Lake Reports	undated

Collection Division 5: Smith and Bybee Natural Area Planning, Natural Resources

This collection division consists of materials used for or created by planning activities related to the use of the natural resources at the Smith and Bybee Wetlands Natural Area. Reports, studies, research materials, and correspondence were all used to manage the park's ecosystem.

<i>Box/Folder No.</i>	<i>Folder Description</i>	<i>Dates</i>
PN000038 / 171	Effect of Deposits in Columbia Slough on Algal Growth	06/01/1971
PN000038 / 172	North Portland Peninsula Study	12/22/1972
PN000038 / 173	Water Quality in Columbia Slough, Oregon 1971 – 1973	04/01/1974
PN000038 / 174	Draft Environmental Impact Statement Rivergate	02/01/1975
PN000038 / 175	Purple Loosestrife, Biological Control Agent Release Forms	07/08/1987 to 07/12/2001
PN000039 / 1	Smith and Bybee Lakes Environmental Studies Summary Report	09/01/1987 to 11/01/1987
PN000039 / 2	Smith and Bybee Lakes Environmental Studies Appendices	09/01/1987 to 11/01/1987
PN000039 / 3	Map, Rivergate Industrial District Ramsey Lake Mitigation	08/29/1988
PN000039 / 4	Map, Rivergate Mitigation Plan	08/29/1988
PN000039 / 5	Natural Resources Management Plan for S&B Lakes	05/08/1990 to 11/08/1990
PN000039 / 6	Lower Columbia River Natural Area Inventory 1992	02/03/1993
PN000039 / 7	Embayment Enhancement Feasibility Study Willston Reservoir	03/01/1993
PN000039 / 8	Ramsey Lake PRF Monitoring Proposal and Cost	undated
PN000039 / 9	Ramsey Lake Pollution Reduction Facility	undated
PN000039 / 10	The Biota of Smith and Bybee Lakes Management Area	02/14/1994
PN000039 / 11	The Biota of S&B Lakes Management Area Original	02/14/1994
PN000039 / 12	The Biota of Smith and Bybee Lakes Management Area Diskettes	02/14/1994
PN000039 / 13	Correspondence, Ramsey Lk. stormwater treatment	07/26/1994
PN000039 / 14	Correspondence, pre-app conference Ramsey Lk.	09/23/1994
PN000039 / 15	Draft Panting Matrix for Ramsey Lake Site	11/09/1994
PN000039 / 16	Meeting Records, Urban Wildlife Control Agenda	undated

ATTACHMENT 2

PN000039 / 17	Recent Paleolimnology of Smith and Bybee Lakes	03/15/1995
PN000039 / 18	Correspondence, Urban Wildlife Control service agreement	05/31/1995
PN000039 / 19	Personal Services Agreement	06/05/1995
PN000039 / 20	Flooding Systems, CENPP 9 FEB I:24000	undated
PN000039 / 21	Vegetation Management Plan and Monitoring	02/05/1996; undated
PN000039 / 22	Map, SBWNA Management Projects	07/02/1996
PN000039 / 23	Meeting Records, Wapato Wetlands Task Force	08/14/1996 to 06/25/1997
PN000039 / 24	Appendix G: Uncommon Wetland Plant Communities in Oregon	undated
PN000039 / 25	Industries in Basin 55A	undated
PN000039 / 26	Smith and Bybee Lakes Research Project	01/01/1997
PN000039 / 27	Wapato Wetland Risk Evaluation Early Action Remedial	02/01/1997
PN000039 / 28	Executive Summary of Wapato Wetlands Testing Results	02/12/1997
PN000039 / 29	Correspondence, Wapato Wetlands	04/29/1997 to 11/24/1997
PN000039 / 30	Internship Job Description	06/01/1997
PN000039 / 31	Correspondence, bird surveys	08/19/1997 to 03/31/1998
PN000039 / 32	Draft 1997 Environmental Quality Monitoring Plan	09/01/1997
PN000039 / 33	Smith and Bybee Lakes Research Project	undated
PN000039 / 34	Bird Lists	02/12/1998 to 07/06/1999; undated
PN000039 / 35	Map, Document, Beaver Lodges	05/01/1998 to 10/01/1998
PN000039 / 36	Correspondence, list of dragonflies observed at S&B	09/09/1998
PN000039 / 37	Status of Smith and Bybee Lake Mussel Populations 2000-2001	undated
PN000039 / 38	Maps, Documents, Photo Point Locations	01/01/2000 to 08/08/2005
PN000039 / 39	Wetland Plant Associations of the Western Hemlock Zone	08/01/2000
PN000039 / 40	Photographs, S&B Lake Mussel Populations	08/24/2000 to 09/19/2001
PN000039 / 41	Ramsey Ponds & Columbia Slough Banks	03/27/2001
PN000039 / 42	Outline of Habitat Restoration Plans at SBWNA	06/26/2001
PN000039 / 43	Wetland Delineation Report Rivergate Mitigation Project	07/01/2001
PN000039 / 44	Correspondence, Maps, Columbia Slough MS4 Outfall	08/22/2001 to 07/17/2005

ATTACHMENT 2

PN000039 / 45	Map, Site Map Smith Lake Property Tax Lot 1N1E05B-00900	09/11/2001
PN000039 / 46	Correspondence, Land Use Review for Smith Lake	09/20/2001 to 04/01/2003
PN000039 / 47	Fish Species and Their Habitat Near Rivergate Industrial	01/07/2002
PN000039 / 48	Meeting Records, Flood Storage Basin/Wetlands at Smith Lake February 27, 2002	02/27/2002
PN000039 / 49	Meeting Records, Meeting with Stacy Wenger (ODPR) July 9, 2002	07/09/2002
PN000039 / 50	SBWNA Invasive Plant Management Plan	08/01/2002
PN000039 / 51	Floodplain Wetland Restoration and Pacific Salmon 2002	01/01/2003
PN000039 / 52	West Castle Ski Resort Expansion 2002 Rare Plant Survey	01/01/2003
PN000039 / 53	Map, SBWNA Western Painted Turtle Habitat	01/06/2003
PN000039 / 54	Document, Correspondence, Western Painted Turtle Habitat	01/06/2003 to 01/10/2003; undated
PN000039 / 55	Notice of a Type II Decision on a Proposal in Your Neighborhood	03/20/2003
PN000039 / 56	A Bat Survey Within the Boundaries of the SBWNA	07/01/2003
PN000039 / 57	Correspondence, Western Painted Turtle Habitat	07/01/2003
PN000039 / 58	Columbia Sedge Meadows at Smith-Bybee	07/28/2003
PN000039 / 59	Floodplain Wetland Restoration and Pacific Salmon Report	08/01/2003
PN000039 / 60	Greenspaces Program, Conservation & Restoration	08/08/2003
PN000039 / 61	Fish Monitoring at Floodplain Wetland Restoration Sites in the Pacific	09/01/2003
PN000039 / 62	Fish Monitoring at Flood Plain Wetland Restoration Sites	09/08/2004
PN000039 / 63	Maps, Documents, Carex aperta	03/29/2005
PN000039 / 64	Western Painted Turtle Habitat Enhancement Greenspaces	05/01/2005
PN000039 / 65	Fish Monitoring at Floodplain Wetland Restoration Sites	06/01/2005
PN000039 / 66	Fish Monitoring at Floodplain Wetland Restoration Sites	01/17/2006
PN000039 / 67	Second Monitoring Report for the N. Portland Rd Mitigation	02/28/2006
PN000039 / 68	Third Monitoring Report for the N. Portland Rd Mitigation	12/01/2006
PN000039 / 69	Fish Monitoring at Floodplain Wetland Restoration Sites	01/18/2007
PN000039 / 70	Smith and Bybee Wetlands Natural Area Comprehensive Natural Resource Plan Appendix	01/01/2012
PN000039 / 71	Temp. Signs Mock-Up for SB Visitors to Explain PHAARU Sprays	undated
PN000039 / 72	The Status of Biodiversity in the Great Plains: Great Plains	undated

Collection Division 6: Smith and Bybee Advisory Committee

This collection division consists of materials used, received, or generated by the Smith and Bybee Advisory Committee. Correspondence, meeting notes, and reports on topics related to the Smith and Bybee Wetlands Natural Area, Columbia Slough, and St. Johns Landfill are included.

ATTACHMENT 2

<i>Box/Folder No.</i>	<i>Folder Description</i>	<i>Dates</i>
PN000040 / 1	Columbia River Mean Daily Stage	10/01/1972 to 12/31/1992; undated
PN000040 / 2	40 Mile Loop Master Plan	05/01/1983
PN000040 / 3	Trail Subcommittee Research Conducted in 2002	01/01/1991 to 11/19/2002
PN000040 / 4	Correspondence, Leadbetter Stormwater Treatment Facility	10/02/1991 to 01/23/1992
PN000040 / 5	Maps, Smith & Bybee Lakes Recreation Master Plan	06/01/1992 to 06/07/1996; undated
PN000040 / 6	Correspondence, the legal standing of the SBLMC	07/05/1994
PN000040 / 7	Correspondence, model water exchange	05/09/1995
PN000040 / 8	Correspondence, zoning map error	07/16/1996 to 02/12/2001
PN000040 / 9	Columbia Slough Riparian Enhancement Project Partnership	12/23/1996 to 12/31/1996
PN000040 / 10	St. Johns Landfill Closure Project Annual Report to the Oregon DEQ	07/01/1997 to 06/30/1998
PN000040 / 11	Rivergate Cooperative Agreement: Mitigation Program	08/01/1997
PN000040 / 12	Establishment of Native Vegetation at St. Johns Landfill Proposed Phase 1	08/01/1997 to 09/09/1997
PN000040 / 13	Correspondence, budget for FY 1998-99	09/23/1997
PN000040 / 14	Correspondence, herbicide use and experimental plot procedures	09/29/1997 to 10/06/1997
PN000040 / 15	Correspondence, revision, implementation of Rivergate Agreement	10/20/1997 to 12/03/1997
PN000040 / 16	Correspondence, revision, implementation of Rivergate Agreement	12/03/1997 to 12/31/1997
PN000040 / 17	Smith Bybee Lakes Trust Fund 761 FY 1998-99	01/22/1998
PN000040 / 18	Correspondence, North Marine Drive Extension Project	02/13/1998 to 05/15/1998
PN000040 / 19	Correspondence, participation in a trail survey	03/01/1998
PN000040 / 20	Five Year Plan for Studying and Managing Western Painted Turtles	03/01/1998

ATTACHMENT 2

PN000040 / 21	Correspondence, water health and the 1995 Screening Level Risk Assessment	04/22/1998 to 11/20/1998
PN000040 / 22	Health Advisories	05/01/1998
PN000040 / 23	Screening Level Risk Assessments	05/01/1995 to 05/31/1998
PN000040 / 24	Correspondence, policy concerning public access to the St. Johns Landfill	05/27/1998
PN000040 / 25	Smith and Bybee Lakes Days Saturday and Sunday, May 30-31, 1998	05/30/1998 to 05/31/1998
PN000040 / 26	Correspondence, 1995 screening risk assessment for fish in Columbia Slough	06/05/1998
PN000040 / 27	Correspondence, Pacific Gateway storm sewer outfall	06/18/1998
PN000040 / 28	Comparison of Tissue Data from Smith and Bybee Lakes and the Slough	07/28/1998
PN000040 / 29	Correspondence, proposed Consent Decree in Jones vs. Thorne, et al.	08/07/1998 to 09/11/1998
PN000040 / 30	Employment Opportunity: Night Ranger/Groundsperson	09/09/1998
PN000040 / 31	Correspondence, North Rivergate site location for the new county jail facility	10/29/1998 to 02/05/1999
PN000040 / 32	Publications, New Jail Newsletter	11/01/1998
PN000040 / 33	Publications, New Jail Newsletters	12/01/1998 to 11/01/1999
PN000040 / 34	Correspondence, North Marine Drive Widening Project	12/07/1998 to 06/21/2000
PN000040 / 35	Smith-Bybee Wildlife Area Recreation and Education Facilities Plan	01/01/1999; undated
PN000040 / 36	Western Painted Turtle Research at S&B Lakes Natural Area Year One Report	01/01/1999
PN000040 / 37	June 1999 Turtle Summary	01/03/1999 to 06/01/1999
PN000040 / 38	Portland Sticks Out Its Neck to Study Turtle's Outlook	02/03/1999
PN000040 / 39	Correspondence, schedule for North Marine Drive Widening Project	02/08/1999
PN000040 / 40	Waste Cutoff Study St. Johns Landfill Draft	03/01/1999
PN000040 / 41	Correspondence, Wapato Correctional Facility	03/18/1999 to 04/12/2004
PN000040 / 42	Correspondence, North Portland Citizens Committee	03/24/1999

ATTACHMENT 2

PN000040 / 43	Correspondence, assignment of a representative to SBLMC	03/29/1999 to 06/22/1999
PN000040 / 44	Smith & Bybee Lakes Mini Master Plan – Draft Work Plan	03/30/1999
PN000040 / 45	Portland General Electric Announces Donation of Smith Lake Property	03/31/1999
PN000040 / 46	Publication, Classis Canoe Adventure	04/01/1999
PN000040 / 47	Correspondence, composition of the SBLMC	04/19/1999
PN000040 / 48	Correspondence, facilities planning and trailhead design	04/22/1999 to 08/23/1999
PN000040 / 49	The Role and Organization of the SBLMC	04/27/1999
PN000040 / 50	Correspondence, preliminary report on St. Johns Landfill stabilization	04/29/1999
PN000040 / 51	Meeting Report Dike Stabilization, Waste Cutoff Study, St. Johns Landfill	05/12/1999
PN000040 / 52	Portland Area Model Aircraft Association	05/12/1999 to 08/28/2000
PN000040 / 53	Meeting Records, Marine Drive Widening Project May 18, 1999	05/18/1999
PN000040 / 54	Trailhead Design and Cost Estimate	05/21/1999 to 06/15/1999; undated
PN000040 / 55	Correspondence, landscaping costs for the boat launch	05/26/1999
PN000040 / 56	Preliminary Dike Stabilization Study St. Johns Landfill	06/01/1999
PN000040 / 57	Waste Cutoff Study St. Johns Landfill	06/01/1999
PN000040 / 58	Preliminary Western Painted Turtle Study	06/01/1999
PN000040 / 59	Smith & Bybee Lakes Trust Fund 761	06/09/1999
PN000040 / 60	Trails Summit “Connections” Announcement	06/10/1999
PN000040 / 61	Meeting Records, SBLMC Landfill Subcommittee July 7, 1999	07/07/1999
PN000040 / 62	Regional Parks and Greenspaces S&B Lakes Trust Fund 761 FY 1999-00	08/06/1999
PN000040 / 63	Correspondence, facilities plan, North Marine Drive Widening Project	08/12/1999
PN000040 / 64	Metro Council Resolution No. 99-2837	08/27/1999 to 09/19/1999
PN000040 / 65	The Watershed Revegetation Program	09/17/1999 to 01/19/2000
PN000040 / 66	Meeting Records, SBLMC Budget Subcommittee September 23, 1999	09/23/1999
PN000040 / 67	Correspondence, Purple Loosestrife Summit meeting	09/27/1999

ATTACHMENT 2

PN000040 / 68	Land Use Review Notice Case # LUR99-00249 EN	09/30/1999
PN000040 / 69	Summer Metro Activities – Smith & Bybee	10/15/1999; undated
PN000040 / 70	Regional Parks and Greenspaces S&B Trust Fund 761 FY 2000-01	10/20/1999 to 10/26/1999
PN000040 / 71	Correspondence, Emily Roth resignation	11/24/1999
PN000040 / 72	Establishment of Native Vegetation at St. Johns Landfill Test Plot Monitoring	12/01/1999
PN000040 / 73	MCCF Wapato Outline	12/08/1999
PN000040 / 74	Conditional Use Review Public Hearing LUR 99-00786	12/13/1999
PN000040 / 75	Publication, The Winter Solstice: A Ripple Effect	12/18/1999
PN000040 / 76	Pre-Application Conference Request Form	undated
PN000040 / 77	North Marine Drive Project Development Summary	undated
PN000040 / 78	Earthen Berm with Noise Barrier	undated
PN000040 / 79	Smith-Bybee Lakes Trailhead Site Selection Criteria	undated
PN000040 / 80	Correspondence, planning process for regional trails	01/27/2000
PN000040 / 81	Description of North Marine Drive Proposed Improvements	02/01/2000 to 06/30/2000
PN000040 / 82	Correspondence, water management and a tide gate at Smith and Bybee	02/03/2000 to 12/11/2000
PN000040 / 83	Correspondence, Port of Portland's Water Management Conservation Plan	02/15/2000 to 03/30/2000
PN000040 / 84	Correspondence, Port of Portland property appraisal review	03/03/2000
PN000040 / 85	Correspondence, how public meeting laws apply to SBLMC Subcommittees	03/03/2000 to 03/06/2000
PN000040 / 86	Meeting Records, American Heritage Rivers Initiative March 14, 2000	03/14/2000
PN000040 / 87	Correspondence, planting at Smith & Bybee	03/24/2000
PN000040 / 88	Correspondence, information request	04/25/2000
PN000040 / 89	SBLMC Roster of Voting Members, Subcommittee Sign-Ups	04/27/2000; undated
PN000040 / 90	Correspondence, SBLMC	05/10/2000
PN000040 / 91	Correspondence, a mapping project	05/15/2000
PN000040 / 92	Correspondence, Rivergate environmental enhancement agreement	05/30/2000
PN000040 / 93	News Release: Port Rivergate Environmental Enhancement Agreement	05/30/2000
PN000040 / 94	Correspondence, enhancement project from the draft consent decree	06/01/2000
PN000040 / 95	Correspondence, light pollution from North Marine Drive Widening Project	06/21/2000 to 12/20/2000

ATTACHMENT 2

PN000040 / 96	Going for Green: Creating a Prairie on New Ground	07/01/2000 to 08/31/2000
PN000040 / 97	Work Outline for Smith and Bybee Lakes, July 2000 – January 2001	07/01/2000 to 01/31/2001
PN000040 / 98	Correspondence, nomination for a vacant chair	07/07/2000
PN000040 / 99	Correspondence, North Ditch wildlife surveys	07/13/2000 to 07/14/2000
PN000040 / 100	Correspondence, issues facing the S&B Lakes and St. Johns Landfill	08/10/2000
PN000040 / 101	Meeting Records, SBLMC WCS Subcommittee August 16, 2000	08/16/2000
PN000040 / 102	Meeting Records, SBLMC WCS Subcommittee August 21, 2000	08/21/2000
PN000040 / 103	Correspondence, habitat restoration plans and herbicide use	08/25/2000 to 09/11/2000
PN000040 / 104	Draft Appendix A: Pre-Approved Projects	10/01/2000
PN000040 / 105	Meeting Records, SBLMC WCS Subcommittee October 16, 2000	10/16/2000
PN000040 / 106	Correspondence, the Committee's 2001-2002 budget	10/25/2000
PN000040 / 107	Project Status Report St. John's Landfill Watershed Revegetation Program	12/01/2000
PN000040 / 108	Intergovernmental Agreement S&B Trails Alignment Development Plan	12/06/2000 to 04/30/2002
PN000040 / 109	Meeting Records, Metro Parks & Greenspaces, Metro REM December 19, 2000	12/19/2000
PN000040 / 110	Copy of Survey Map of 1852	undated
PN000040 / 111	Opening Up Smith and Bybee Lakes to North Slough	undated
PN000040 / 112	Smith and Bybee Lakes Wildlife Area Educational Programs	01/01/2001
PN000040 / 113	Correspondence, recreational use of the wildlife area by PAMAA	01/01/2001 to 02/31/2002
PN000040 / 114	Smith and Bybee Lakes Budget for FY 2001-2002	01/01/2001 to 02/31/2002
PN000040 / 115	Port of Portland Publications	02/01/2001 to 10/31/2001
PN000040 / 116	Meeting Records, St. Johns Landfill Revegetation February 2, 2001	02/02/2001
PN000040 / 117	SBWNA Including St. John's Landfill Revegetation Plan	02/27/2001
PN000040 / 118	Correspondence, Portland Area Model Aircraft Association	04/30/2001

ATTACHMENT 2

PN000040 / 119	Correspondence, model airplane used at the St. Johns Landfill	05/16/2001 to 03/18/2002
PN000040 / 120	Correspondence, participation in the SBLMC	07/17/2001 to 09/18/2001
PN000040 / 121	Smith and Bybee Lakes Enviro Ed Transportation Funding Sources	07/23/2001
PN000040 / 122	Outline of Information Needs for St. Johns Landfill Discussion	09/10/2001
PN000040 / 123	Correspondence, operation, maintenance, monitoring at SJL	09/24/2001
PN000040 / 124	Correspondence, Smith & Bybee Lakes Trust Fund and budgetary concerns	09/27/2001 to 12/05/2001
PN000040 / 125	Meeting Records, SJL & Adjacent Metro-Managed Properties October 9, 2001	10/09/2001
PN000040 / 126	Metro Council/Committee Agenda Placement Form	11/31/2001
PN000040 / 127	Goal Statement and Objectives	undated
PN000040 / 128	Project Summaries	undated
PN000040 / 129	Cherry Creek State Recreation Area	undated
PN000040 / 130	Meeting Records, SBLMC January 22, 2002	01/22/2002
PN000040 / 131	Map, OWEB Proposal Smith/Bybee Lakes	01/29/2002
PN000040 / 132	Meeting Records, SBLMC February 26, 2002	02/26/2002
PN000040 / 133	Correspondence, ideas for future uses for the St. Johns Landfill	03/14/2002
PN000040 / 134	Smith and Bybee Lakes Wildlife Area Construction Management Plan	03/15/2002
PN000040 / 135	Meeting Records, SBLMC March 26, 2002	03/26/2002
PN000040 / 136	Correspondence, land use review and trail planning	03/29/2002 to 08/14/2002
PN000040 / 137	Meeting Records, SBLMC April 23, 2002	04/23/2002
PN000040 / 138	Correspondence, Lango Hansen Landscape Architects design proposal	05/17/2002
PN000040 / 139	Meeting Records, SBLMC May 28, 2002	05/28/2002
PN000040 / 140	Smith & Bybee Lakes Recreation Facility Public Art Advisory Committee	06/12/2002 to 07/15/2002
PN000040 / 141	Correspondence, subcommittees, notes, and habitat value of SBWNA	06/26/2002 to 02/10/2003
PN000040 / 142	Meeting Records, Design Workshop for Smith and Bybee Lakes	undated
PN000040 / 143	Correspondence, public trails and the 40 Mile Loop Land Use Report	08/14/2002 to 04/11/2003
PN000040 / 144	Smith and Bybee Lakes Canoe Launch Feasibility Study Draft	09/01/2002

ATTACHMENT 2

PN000040 / 145	Correspondence, canoe launch	09/10/2002 to 09/20/2002
PN000040 / 146	Information Obtained to Date on Outfall to Smith Lake	09/23/2002
PN000040 / 147	Meeting Records, SBLMC September 24, 2002	09/24/2002
PN000040 / 148	Flows and Eddies: Public Art for Smith and Bybee Lakes Conceptual Design	09/24/2002
PN000040 / 149	Meeting Records, SBLMC October 22, 2002	10/22/2002
PN000040 / 150	Meeting Records, SBLMC Trail Subcommittee October 24, 2002	10/24/2002
PN000040 / 151	Meeting Records, SBLMC Trail Subcommittee November 4, 2002	11/04/2002
PN000040 / 152	Meeting Records, SBLMC Trail Subcommittee November 20, 2002	11/20/2002
PN000040 / 153	Meeting Records, SBLMC Trail Subcommittee December 3, 2002	12/03/2002
PN000040 / 154	Trail Subcommittee Fall 2002—Winter 2003	undated
PN000040 / 155	COP – Comp Plan Goals & Policies	undated
PN000040 / 156	Decision Notice for LU 02-113706 EN	01/08/2003 to 01/30/2003
PN000040 / 157	Correspondence, St. Johns Neighborhood Association's grievance	01/14/2003 to 08/19/2003; undated
PN000040 / 158	Correspondence, a draft letter to Oregon DEQ	01/30/2003 to 05/10/2003
PN000040 / 159	Meeting Records, SBLMC Trail Subcommittee February 4, 2003	02/04/2003
PN000040 / 160	Correspondence, the closure permit renewal for the St. Johns landfill	02/27/2003 to 05/13/2003
PN000040 / 161	Correspondence, meeting contents and attendance	02/27/2003 to 06/05/2003
PN000040 / 162	Correspondence, diesel spill on May 2, 2003, into the Columbia Slough	05/17/2003
PN000040 / 163	Correspondence, the Port of Portland's T6 Columbia Slough Oil Spill	06/20/2003 to 08/04/2003
PN000040 / 164	Vision	07/15/2003
PN000040 / 165	Contract No. 925063 Enhancement Fund Grant Contract	11/20/2003 to 01/23/2004
PN000040 / 166	Correspondence, support of Port of Portland's LU 03- 162374 EN	12/04/2003 to 03/23/2004
PN000040 / 167	Meeting Records, SBLMC January 27, 2004	01/27/2004

ATTACHMENT 2

PN000040 / 168	Meeting Records, SBLMC February 24, 2004	02/24/2004
PN000040 / 169	Land Use Review Notice LU 03-162374 EN	04/16/2004
PN000040 / 170	Meeting Records, SBLMC June 22, 2004	06/22/2004
PN000040 / 171	Meeting Records, SBLMC July 27, 2004	07/27/2004
PN000040 / 172	Chris Scarzello Legislative	08/20/2004
PN000040 / 173	Meeting Records, SBLMC September 28, 2004	09/28/2004
PN000040 / 174	Meeting Records, SBLMC October 26, 2004	10/26/2004
PN000040 / 175	Meeting Records, SBLMC December 7, 2004	12/07/2004
PN000040 / 176	Map, Portland	undated
PN000040 / 177	Focal Species St. Johns Landfill	undated
PN000040 / 178	Meeting Records, SBLMC January 25, 2005	01/25/2005
PN000040 / 179	Meeting Records, SBLMC April 26, 2005	04/26/2005
PN000040 / 180	Correspondence, installation of staff gauge and rights to the wetlands	05/25/2005 to 08/03/2005
PN000040 / 181	Meeting Records, SBLMC June 28, 2005	06/28/2005
PN000040 / 182	Meeting Records, SBLMC July 26, 2005	07/26/2005
PN000040 / 183	Correspondence, trails in Smith and Bybee	11/09/2005 to 11/18/2005
PN000040 / 184	Meeting Records, SBLMC December 6, 2005	12/06/2005
PN000040 / 185	Smith and Bybee Wetlands Management Plan – Recreation	undated
PN000040 / 186	Meeting Records, SBLMC January 24, 2006	01/24/2006
PN000040 / 187	Meeting Records, SBLMC February 28, 2006	02/28/2006
PN000040 / 188	Correspondence, water management and plant removal at Smith and Bybee	03/10/2006
PN000040 / 189	S&B Wetlands Management Plan Recreational Activity Criteria	04/25/2006; undated
PN000040 / 190	Meeting Records, SBLMC May 23, 2006	05/23/2006
PN000040 / 191	Correspondence, an update on the Columbia Corridor Scoping project	10/26/2006
PN000040 / 192	Meeting Records, SBLMC January 23, 2007	01/23/2007
PN000040 / 193	Correspondence, management policies for invasive weed control	03/18/2008 to 08/08/2008

Collection Division 7: Smith and Bybee Natural Area Misc.

This collection division consists of images, brochures, personal accounts, and maps of the Smith and Bybee Wetlands Natural Area. Documents related to various fish analyses, environmental health, pesticide use, and property exchanges are also included.

<i>Box/Folder No.</i>	<i>Folder Description</i>	<i>Dates</i>
PN000041 / 1	Oral Histories	01/01/1913 to 12/30/2006; undated
PN000041 / 2	Photograph of an Earthen Dam	undated
PN000041 / 3	Correspondence, procurement of aerial photographs	08/05/1991
PN000041 / 4	Correspondence, a fish analysis survey	06/11/1992 to 07/22/1992
PN000041 / 5	Fish Specimens from Smith/Bybee Lakes from which Tissue was Analyzed	07/01/1992 to 09/01/1992
PN000041 / 6	Photographs (aerial) of S&B	07/28/1992
PN000041 / 7	Photographs of Leadbetter Peninsula	01/01/1996
PN000041 / 8	Photographs of damages sustained from flooding	01/01/1996
PN000041 / 9	Environmental Health and Safety Risks	03/01/1996 to 05/01/1998
PN000041 / 10	Photographs of S&B Work Day, blackberry removal	01/01/1997
PN000041 / 11	Common Plants and Animals of Smith and Bybee Lakes Wildlife Area	11/25/1997
PN000041 / 12	Correspondence, fish contaminants and an advisory brochure	04/21/1998 to 09/03/1998
PN000041 / 13	Photographs of a paddling trip with Troy Clark	11/01/1998
PN000041 / 14	Wildlife Checklist Smith and Bybee Lakes Wildlife Area	01/01/1999
PN000041 / 15	Living with Wildlife	01/01/1999
PN000041 / 16	Photographs of turtles, paddlers, and the SBWNA	07/01/1999
PN000041 / 17	Photographs of Smith and Bybee Wetlands	07/01/1999
PN000041 / 18	Pesticides Investigations and Enforcement	07/01/1999 to 03/30/2000
PN000041 / 19	Photographs of snow at SBWNA	11/01/1999
PN000041 / 20	Smith and Bybee Lakes Wildlife Area Educational Programs	01/01/2000 to 12/31/2011
PN000041 / 21	Correspondence, herbicide use at Smith and Bybee	03/22/2000 to 05/04/2000
PN000041 / 22	Slides	03/28/2000 to 01/01/2002

ATTACHMENT 2

PN000041 / 23	Report, ODA NUF #003279	06/19/2000
PN000041 / 24	Correspondence, investigation report #003279	07/19/2000
PN000041 / 25	Smith and Bybee Lakes Wildlife Area: A Jewel in the City	01/01/2001
PN000041 / 26	Photographs of a squatter's cabin found at Smith Lake	01/01/2001
PN000041 / 27	Correspondence, Site Assessment for Metro/Rivergate property exchange	03/13/2001 to 09/11/2001
PN000041 / 28	Summary of Current Work and Issues at Smith and Bybee Lakes	09/28/2001
PN000041 / 29	Rivergate Property Exchange	10/18/2001 to 12/31/2001; undated
PN000041 / 30	Photographs found in squatter's cabin at Smith Lake	undated
PN000041 / 31	Field Trips for Groups	01/01/2002
PN000041 / 32	Field Trips for Schools	01/01/2002
PN000041 / 33	Wild on the Willamette: Exploring the Lower Willamette River	01/01/2003
PN000041 / 34	Outline of Proposed Terms for an Exchange of Properties	02/24/2003
PN000041 / 35	Easement Agreement	11/19/2003 to 12/02/2003
PN000041 / 36	Intergovernmental Exchange Agreement	11/19/2003 to 12/22/2003
PN000041 / 37	First Supplemental Title Report	12/10/2003
PN000041 / 38	Bargain and Sale Deed with Restrictive Covenants	12/10/2003 to 12/22/2003
PN000041 / 39	Budget Items Related to Smith-Bybee	12/02/2004
PN000041 / 40	Map, Metro Regional Parks and Greenspaces SBWNA	undated
PN000041 / 41	Columbia Slough: A Paddler's Access Guide	undated
PN000041 / 42	Map, Metro Boat Ramp Parking Exhibit Plat Exhibit B	undated

Collection Division 8: Smith and Bybee Natural Area Turtles

This collection division consists of data collected on different types of turtles at the Smith and Bybee Wetlands Natural Area.

<i>Box/Folder No.</i>	<i>Folder Description</i>	<i>Dates</i>
PN000041 / 43	Turtle Survey and Monitoring Project	10/20/1998 to 01/06/1999
PN000042 / 44	Smith and Bybee Lakes Turtle Surveys	01/01/2001

Appendix A: Glossary

Acronyms

Below is a list of acronyms that appear in the Smith and Bybee Historical Collection with the corresponding terms:

BES	City of Portland Bureau of Environmental Services
CNRP	Comprehensive Natural Resources Plan
COE	United States Army Corps of Engineers
DEQ	Oregon Department of Environmental Quality
DOJ	United States Department of Justice
DSL	Oregon Division of State Lands
EPA	Environmental Protection Agency
NERI	Northwest Ecological Research Institute
NOAA	National Oceanic and Atmospheric Administration
NRMP	Natural Resources Management Plan
ODFW	Oregon Department of Fish and Wildlife
OPDR	City of Portland Office of Planning and Development Review
OWEB	Oregon Watershed Enhancement Board
OWRD	Oregon Water Resources Department
PAMAA	Portland Area Model Aircraft Association
REM	Metro Regional Environmental Management Department
RLIS	Metro Regional Land Information System
SBAC	Smith and Bybee Advisory Committee
SBLMC	Smith and Bybee Lakes Management Committee
SBLWA	Smith and Bybee Lakes Wildlife Area
SBWNA	Smith and Bybee Wetlands Natural Area
SJL	St. Johns Landfill
TAC	Smith and Bybee Technical Advisory Committee
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

Nicknames

Below is a list of nicknames that appear in the Smith and Bybee Historical Collection with the corresponding legal names:

Mikey Jones	William Michael Jones
The Port	Port of Portland

Appendix B: Library of Congress Subject Headings

Land use—Planning

Natural areas—Oregon

Appendix C: Related Records

The following is a list of other records collections that are related by content or topic to the Smith and Bybee Natural Area Historical Collection records:

- St Johns Landfill Historic Collection
- Smith and Bybee Advisory Committee (SBAC) Meeting Records



Metro



St Johns Prairie SBAC Tour

Smith and Bybee Advisory Committee, May 20, 2022



Strong showings in 2022 from:

- Great camas (*C. leichlinii*)
- Balsamroot
- *Madia elegans* and *Madia gracilis*
- *Gilia capitata*
- Meadow checkermallow (*Sidalcea campestris*)
- *Clarkia purpurea* and *Clarkia amoena*
- Oregon sunshine (*Eriophyllum lanatum*)
- Non-native mustards, wild carrot, wild garlic, geraniums

Challenges:

Thatch build-up

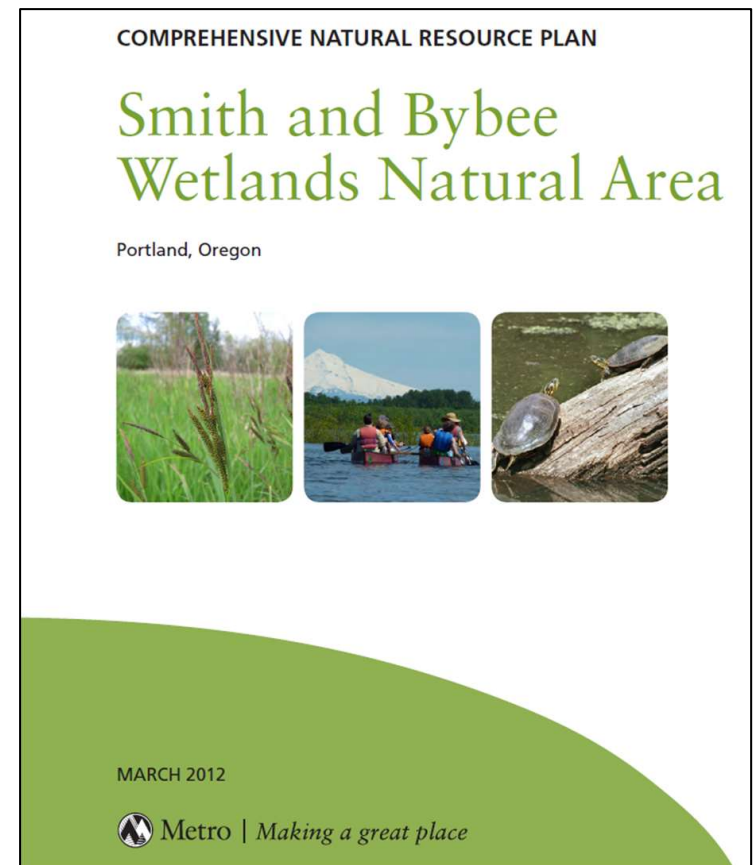
Rattail fescue (*Vulpia myuros*)

St Johns Prairie Plant Materials

Type	Already Installed	On order for fall install
Bare root shrubs and trees	4600	
Containers	570	
Bulbs	100	85,000
Plugs	12,980	
Seed (lbs)	2,674	1,403
<i>Number of species</i>	<i>100</i>	<i>35</i>

Comprehensive Natural Resources Plan transition to Interim Master Plan

- Timeline
- SBAC sub-committee meeting
- Document editing underway
- Next steps





Metro

Bidens cernua, Nodding beggars-ticks
East of Smith Lake, Sept 2022

Conservation Projects Update

Smith and Bybee Advisory Committee, September 27, 2022



Late Season Flooding

Ludwigia Projects

Beaver dam management

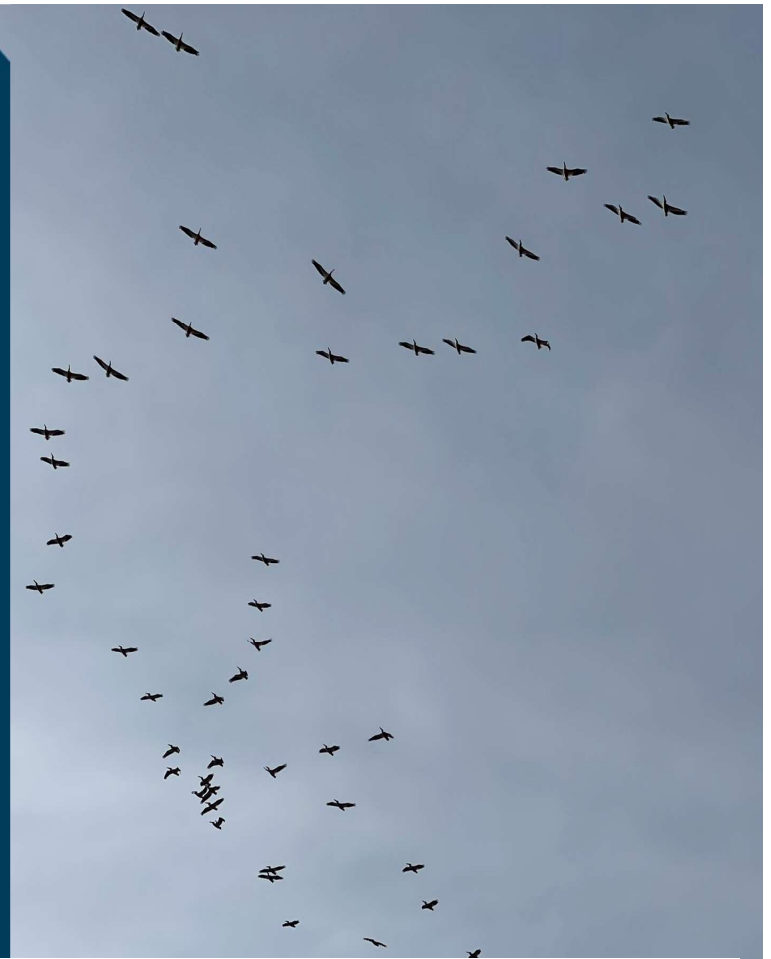
Key Ecological Indicators

Bank Integrity Project

St Johns Prairie

Columbia sedge meadows

Forested Wetland Planting



American white pelicans, Sept 2022

Late Season Flooding

- Dry winter followed by late flooding
- Impacts to bare root plants, *Ludwigia*
- Benefits of disturbance and occasional changes in water management
- Big *Azolla* year



Azolla filiculoides, Sept 2022

Ludwigia peploides Mapping & Treatments



Site survey, Sept 2022

Beaver dam management

- Beaver dam management for *Ludwigia* control (access) and prevention of botulism
- Wider notching
- Pond leveler



Inter-lake channel beaver dam, August 2022

Key Ecological Indicators (KEAs)

Assess condition of these conservation targets based on indicators specified in CNRP (appendix A-3):

- Riparian Forest
- Bottomland Forest
- Shrub Wetland
- Emergent Wetland & Open Water
- Upland Prairie
- Western Painted Turtle
- Streaked Horned Lark



North Slough

Bank Integrity Project

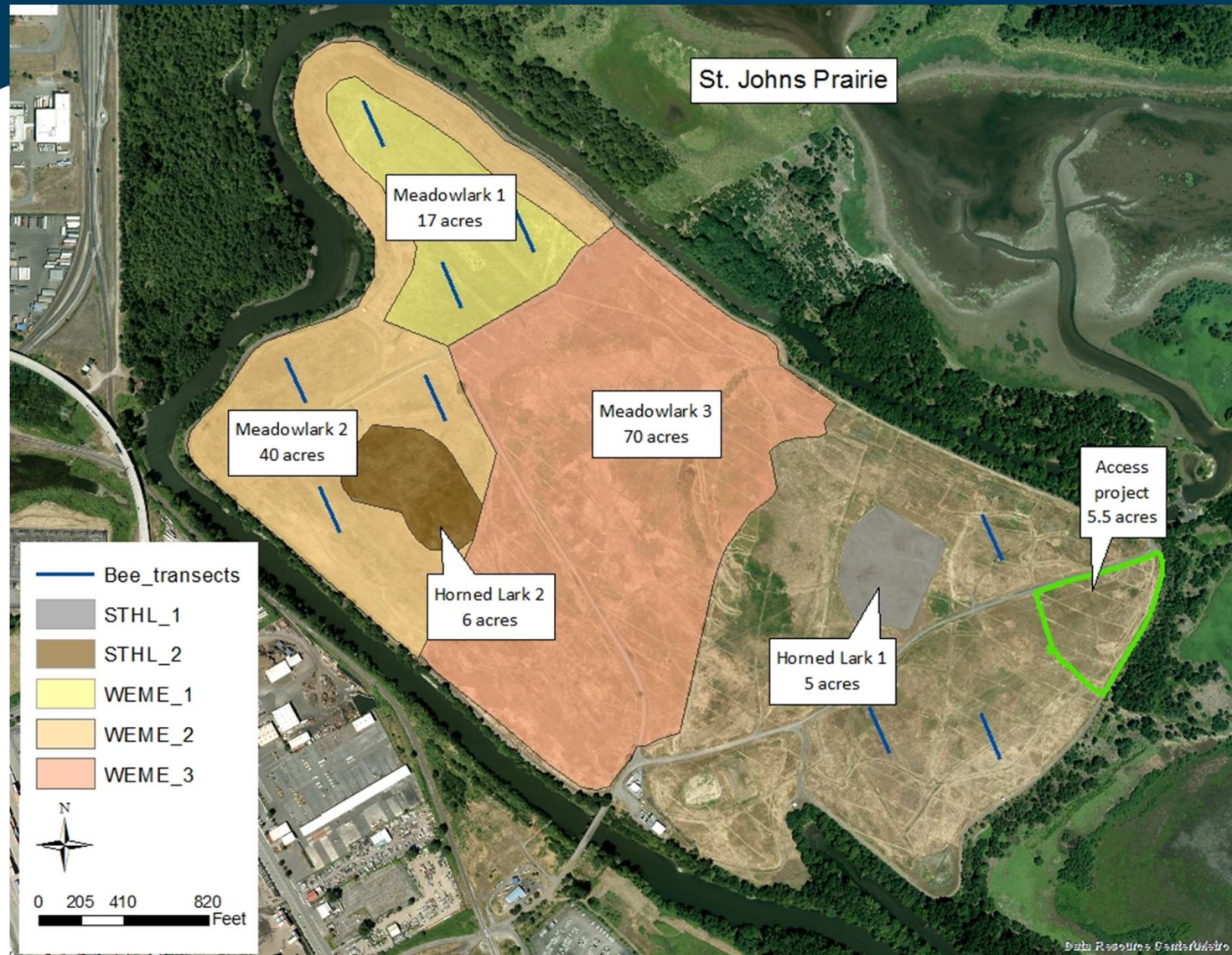
Sheet pile wall
installation along 200'
near water control
structure

Design and permitting
now through summer
2023, then construction
late summer 2023



Burrow in bank, Sept 2022

St Johns Prairie



Columbia Sedge Meadows



Forested Wetland Phase 3



ATTACHMENT 3

