

Washington State Parks & Recreation Commission

2007-2009 Biennium

Litter and Recycling Report to Department of Ecology



State Parks Stewardship - Sustainability Programs

Biennium Highlights



- Created partnership with Stewardship & Law Enforcement to fight illegal dumping
- Enhanced support to four annual Beach Clean-up events
- Expanded agency's recycling program with sustainable waste management practices
- State Parks Commission passed a Sustainability Policy in 2008
- Commission approved Sustainability Plan in 2009 with 13 goals projected for 2020
- Sustainability Plan goals address issues that link to litter and recycling
 - ✓ Part one of this report reviews the five goals that address the work Ecology helps fund
 - ✓ Part two provides data collected in 07-09 and success stories in pictures

Parks' Sustainability Plans Has 13 Goals To Achieve By 2020

FIVE GOALS CONNECT TO LITTER & RECYCLING

1. Energy Conservation
2. Renewable Energy Sources
3. Transportation Efficiency
4. Water Use
5. Waste Management
6. Sustainable Environments
7. Measuring and Monitoring
8. Communication, Education, and Interpretation
9. Environmentally Preferred Products (EPP)
10. Toxics
11. Building Practices and Materials
12. Carbon Footprint
13. Partnerships



Commission Sustainability Plan 5th goal:

Waste Management: divert 80% of current waste from landfills by achieving 100% recycling of metals, plastics, paper products, and glass and by composting at least 50% of organic wastes.



Commission Sustainability Plan 7th goal:

Measuring and Monitoring: consistently track recycling; waste disposal, and consumption of electricity, water, and vehicle fuel in all parks and administrative facilities; create incentivize and recognize sustainability-related performance of parks and staff through a “green parks” accreditation program and a “green staff” certification program.

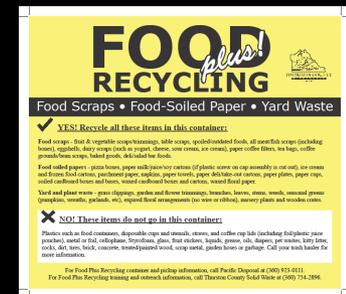
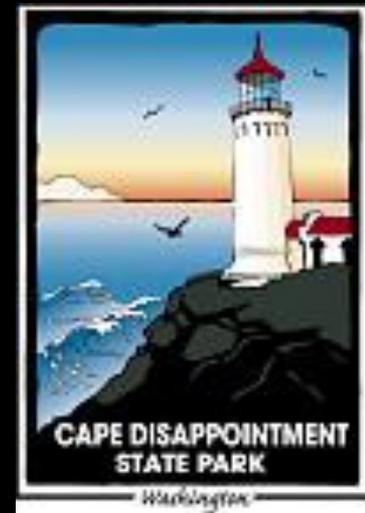
Waste Sample: from Resource Usage Tracking Forms				
Waste Materials	Jan	Feb	March	April
Garbage/Solid Waste (cubic yds)	332	305	376	886
Recycled Materials (cubic yds)	29	55	33	41
Organics Composted (cubic yds)	20	14	377	208
Hazardous Waste Disposed (gals.)	0	0	0	11
Septic / Vault Pumping (gallons)	1,000	0	4,900	18,780
Sewage Utility (gallons)	558,647	508,455	652,526	426,712



**All Parks Collect Data With
Resource Usage Tracking Forms**

Commission Sustainability Plan 8th goal:

Communication, Education, Interpretation: provide sustainability-related interpretation to the public at all staffed parks; provide the public current sustainability information on the agency's website and through other public information campaigns; and include sustainability training at ranger in-service trainings and the Stewardship Certification Program.



Commission Sustainability Plan 12th goal:

Reducing Our Carbon Footprint: reduce its carbon foot print 15% from a 2005 baseline; work with agency's partner organizations to provide a mechanism for visitors to off-set the carbon footprint of their visit; and explore and if feasible, participate in carbon credit programs and third party forest practices certification efforts such as the Forest Stewardship Council standards.

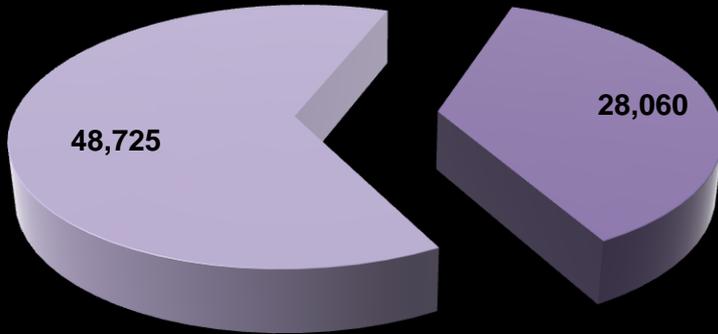


Commission Sustainability Plan 13th goal:

Partnerships: attain a leadership role on the Governor's Statewide Interagency Sustainability Committee; demonstrate a leadership role in conserving and protecting the natural and cultural heritage of Washington State; and expand and formalize partnerships with public institutions, conservation-oriented non-profit organizations, and the private sector to advance the agency's sustainability goals.



07-09 Biennium Litter Program Grants Totalled \$76,785



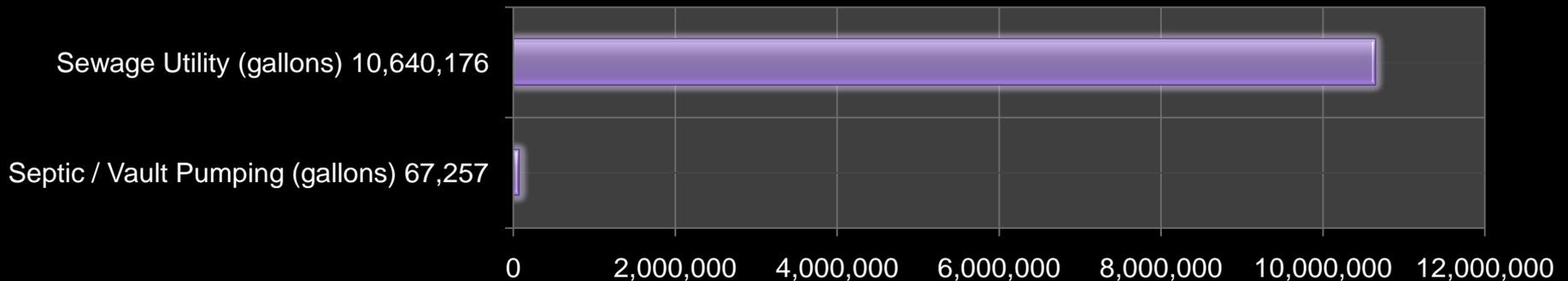
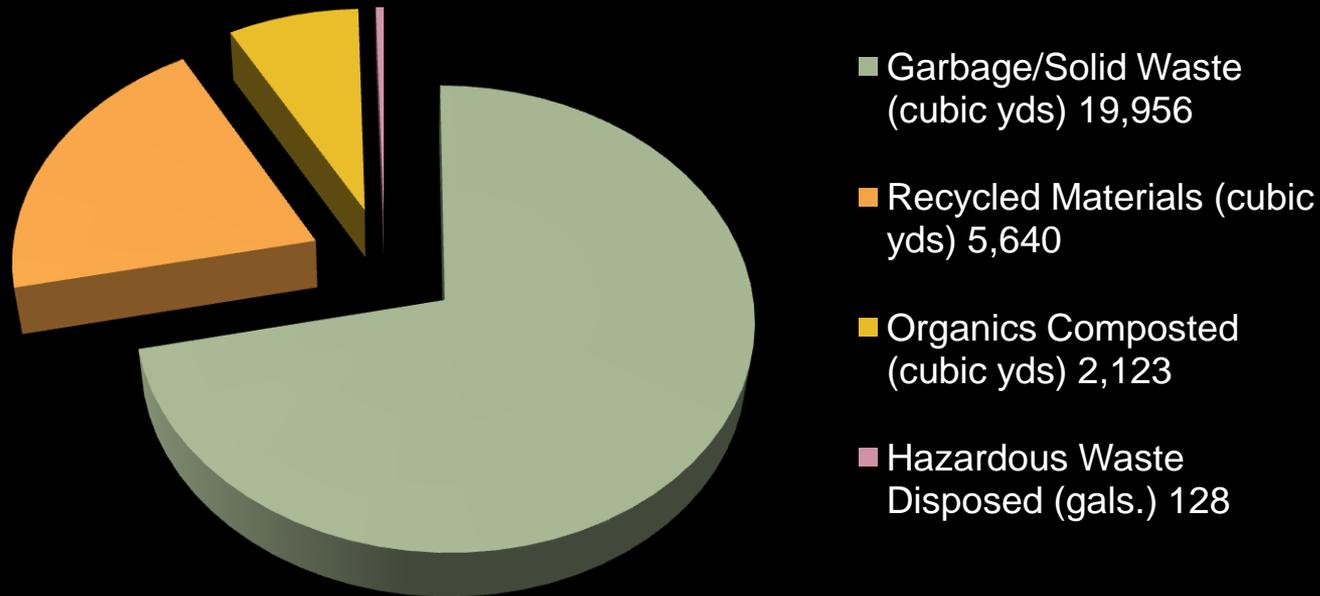
- Illegal Dumps and Litter \$28,060 - 37%
- Recycling \$48,725 - 63%



Part two - Funds spent - \$45,000 Ecology Grant and \$3,725 Parks Stewardship funds

Solid Waste Data Collected by 41% of Parks

FY 2009 Using
Resource Usage Tracking Forms



Part two – data collected on new tracking forms

SEPTEMEBER - OPERATION SHORE PATROL CLEANUP STATS

YEAR	PEOPLE				HOURS				POUNDS			
	Reg 1	Reg 2	Reg 3	TOTALS	Reg 1	Reg 2	Reg 3	TOTALS	Reg 1	Reg 2	Reg 3	TOTALS
1992	362	369	287	1,018	1,810	3,984	2,009	7,803	700	8,640	7,940	17,280
1993	402	408	265	1,075	3,216	4,896	1,596	9,708	8,640	10,800	6,750	26,190
1994	205	340	299	844	750	4,080	2,086	6,916	7,740	11,020	11,500	30,260
1995	295	380	295	970	1,180	4,560	1,250	6,990	4,000	12,740	5,860	22,600
1996	353	477	214	1,044	2,824	5,502	1,498	9,824	7,700	16,200	12,260	36,160
1997	277	537	150	964	2,216	6,390	1,050	9,656	11,800	15,640	11,460	38,900
1998	271	464	121	856	2,178	8,445	851	11,474	9,250	10,960	6,220	26,430
1999	268	585	164	1,017	2,038	6,034	984	9,056	7,140	9,120	3,060	19,320
2000	323	438	179	940	2,261	2,190	1,063	5,514	9,360	11,940	4,220	25,520
2001	393	461	195	1,049	2,947	2,622	1,140	6,709	8,820	13,000	3,820	25,640
2002	426	444	187	1,057	3,620	3,000	948	7,568	9,000	7,120	3,460	19,580
2003	390	434	136	960	3,150	2,700	689	6,539	11,000	12,960	3,240	27,200
2004	320	342	101	763	1,920	2,730	606	5,256	14,400	13,220	6,000	33,620
2005	262	340	131	733	2,096	2,232	860	5,188	16,060	5,920	2,900	24,880
2006	193	401	128	722	1,545	2,405	777	4,727	20,700	20,780	2,360	43,840
2007	218	438	119	775	1,744	2,190	720	4,654	11,480	11,660	2,160	25,300
2008	224	442	83	749	2,688	1,768	522	4,978	20,280	10,780	3,000	34,060
2009	176	424	100	700	1,408	1,700	604	3,712	5,580	8,820	2,880	17,280
Totals	5,358	7,724	3,154	16,236	39,591	67,428	19,253	126,272	183,650	211,320	99,090	494,060

Region 1 Ocean City State Park	Region 2 Twin Harbors State Park	Region 3 Cape Disappointment State Park	Total All Regions 1992- 2009
16,236	126,272	494,060	636,568

Shore Patrol tracked clean-up statistics for seventeen years

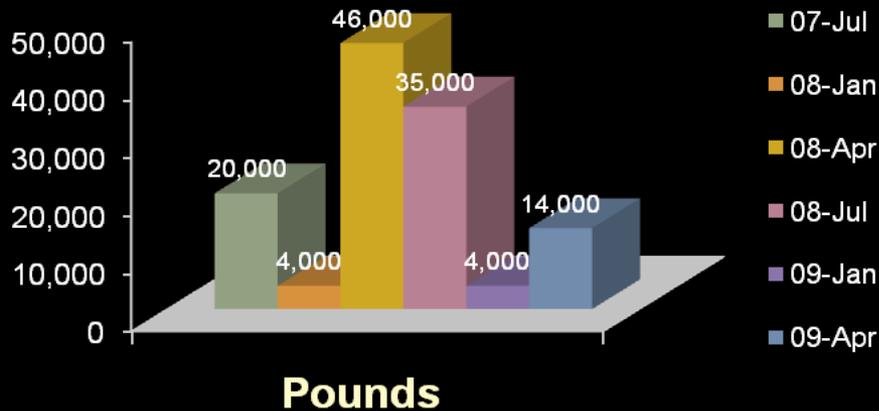
Part two

*Annual September Shore Patrol beach clean-ups receives litter grants for some costs
 Parks volunteer program staff tracked data posted above and on the next slide for other annual events*

State Parks Volunteer Program supports Shore Patrol and three other annual beach clean-up events, as well as several smaller events at parks statewide. Parks staff work in **partnership** with local sponsors and government partners such as the **National Park Service and Indian tribes** on some beach clean-ups. These charts show statistics from 2007-09 biennium for some of the beach litter clean-up events:



FY08 and FY09 Ecology Litter grants provided



Grabbers	Bags	Tipping Fees
700 tools used in 30 parks	50 cases Used in 70 parks	Less then a ¼ of total costs
\$6,000	\$3,300	\$3,000

Part two – Above chart shows three beach cleanup events on south beaches where data is tracked by OurBeach.Org

The annual **Washington Coast Cleanup**, started in 2000, has been a series of separate beach cleanups held every April in celebration of Earth Day. Mainly, these annual Long Beach cleanups have been organized by the Grass Roots Garbage Gang and Operation Shore Patrol organized by the Pacific Northwest Four Wheel Drive Association. In 2007 the Washington Clean Coast Alliance launched the **CoastSavers program** that coordinates efforts of, State Parks, NPS, Indian tribes volunteer groups and individuals that have been working to clean up Washington's Pacific Coast from as far back as 1971. State Parks Volunteer Program and park staff have continually assisted in these program, Ecology Litter grants have provided funds for grabbers, bags, and fees for the local solid waste facilities. On Coast Savers web site this chart tracks the past ten years of volunteers work.

<http://www.coastsavers.org/history.html>



Litter & Illegal Dumps



45 new liter signs placed in parks



Dump sites cleaned up



Volunteers help with clean ups



Pet waste disposal



In 2007 State Parks purchased six small cameras that DNR was testing . Both Parks and DNR found the cameras did have the quality needed for the type of surveillance wanted to enforce litter laws.

In May of 2009, State Parks purchased four new cameras which DNR and USFS use. State Parks Stewardship and Law Enforcement (LE) staff completed a camera training with DNR Law Enforcement chief.

State Parks Chief of LE developed a procedure for rangers use of the surveillance cameras. During FY10 and FY11 tracking of the cameras use and effects will be provided to Ecology in 2012.



As a pre-requisite for issuance and use of the camera systems, a 2-hour training course was developed and delivered this winter. The training was a basic orientation and overview regarding operation of the camera systems, including when and where it may be used, how to use it, and what to use it for.

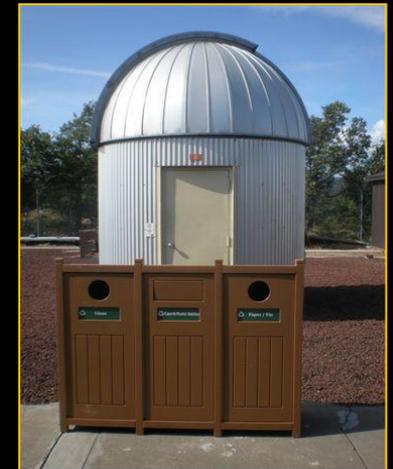
State Parks Recycling Program Expanded FY 08 & 09

40 recycling containers were installed in 31 parks during the 2007-09 biennium. A number of models are in use. Four parks built containers customized for their guests use.

In July 2009 parks were asked to start using the new **Resource Usage Tracking Forms**. Parks are required to track recycled materials separate from other solid waste.

The 5,640 cubic feet (posted previously in this report) came from only 50 parks during FY 09. Not all of these parks provide recycling and/or the vendors had not yet been asked to separate this data on park bills.

During FY 2010 all 120 parks completed the usage tracking form. We hope to be able to improve recycling statistics for the next report due in 2012.



Composting



FOOD *plus!* RECYCLING

Food Scraps • Food-Soiled Paper • Yard Waste

✓ YES! Recycle all these items in this container:

Food scraps - fruit & vegetable scraps/trimmings, table scraps, spoiled/outdated foods, all meat/fish scraps (including bones), eggshells, dairy scraps (such as yogurt, cheese, sour cream, ice cream), paper coffee filters, tea bags, coffee grounds/bean scraps, baked goods, deli/salad bar foods.

Food soiled papers - pizza boxes, paper milk/juice/soy cartons (if plastic screw on cap assembly is cut out), ice cream and frozen food cartons, parchment paper, napkins, paper towels, paper deli/take-out cartons, paper plates, paper cups, soiled cardboard boxes and bases, waxed cardboard boxes and cartons, waxed floral paper.

Yard and plant waste - grass clippings, garden and flower trimmings, branches, leaves, stems, weeds, seasonal greens (pumpkins, wreaths, garlands, etc), expired floral arrangements (no wire or ribbon), nursery plants and wooden crates.

✗ NO! These items do not go in this container:

Plastics such as food containers, disposable cups and utensils, straws, and coffee cup lids (including foil/plastic juice pouches), metal or foil, cellophane, Styrofoam, glass, fruit stickers, liquids, grease, oils, diapers, pet wastes, kitty litter, rocks, dirt, tires, brick, concrete, treated/painted wood, scrap metal, garden hoses or garbage. Call your trash hauler for more information.

For Food Plus Recycling container and pickup information, call Pacific Disposal at (360) 923-0111.
For Food Plus Recycling training and outreach information, call Thurston County Solid Waste at (360) 754-2896.

FOOD *plus!* RECYCLING

Businesses Dig It

All Food
Fruits, vegetables, meat, poultry, seafood, shellfish, bones, rice, beans, pasta, bakery items, cheese and eggshells, deli and salad bar foods

Food-Soiled Paper
Waxed cardboard, pizza boxes, frozen food cartons, napkins, paper towels, paper plates, paper milk/juice cartons, paper cups, tea bags, and coffee grounds/filters

Plants
Floral trimmings, tree trimmings, leaves, grass, brush, weeds, and wooden crates

✗ **NO!** Liquids, grease, oils, plastic or Styrofoam, glass, metal, treated/painted wood, coffee cup lids, fruit stickers, straws, foil/plastic juice pouches, cellophane or foil

Containers must be on the curb, at a loading dock, or otherwise accessible on collection day.

RECICLAJE DE COMIDA *¡y más!*
A los negocios les encanta

Todo tipo de comida
Frutas, verduras, carne, carne de ave, pescado, mariscos, huesos, arroz, frijoles, pastas, pasteles y panes, queso, cáscaras de huevo y comidas preparadas o de barra de ensaladas

Papeles con residuos de comida
Cartón encerado, cajas de pizza, cajas de alimentos congelados, servilletas, toallas de papel, platos de cartón, cartones de leche o jugo, vasos de papel, bolitas de té y filtros y posos de café

Plantas
Flores, ramas, hojas, pasto cortado, maleza, malas hierbas y embalajes de madera

✗ **¡NO!** Líquidos, grasa de cocina, aceites, plástico o poliestireno, vidrio, metales, madera tratada o pintada, tapas de vasos de café, etiquetas de frutas, popotes, celofán, papel de aluminio o bolsas de jugo de aluminio y plástico

En el día de la recolección, los contenedores deben estar en el borde de la acera, en el área de carga y descarga o en otro lugar accesible.

Our Food Waste Hauler is: _____

Our Collection Schedule is: _____

Thurston County
Solid Waste
Astoria, courtesy of the City of Portland

Information and Training
(360) 357-2491
www.co.thurston.wa.us/wmw

State Parks headquarters moved into a LEED Gold building in December of 2008, when the recycling services were expansively improved, two special additions were composting and techno trash containers. Our Ecology grant provided start up costs for techno trash services.



One of State Parks' core values is a commitment to stewardship that transmits high quality park assets to future generations, our new Sustainability Plan promotes this ethic. Likewise, State Parks twelve year commitment to the litter program and a partnership with Ecology, is significant in how we will continue to take positive steps toward the goals of Parks' Sustainability Plan for 2020.

