



Oregon Environmental Public Health Tracking

EPHT Database Inventory

August 2005

This report is an inventory of databases containing data relevant to the CDC-funded Environmental Public Health Tracking Program in Oregon. The EPHT program is designed to include and link environmental data, human health data and human exposure data.

The EPHT program has been gathering information on all health and environmental databases in Oregon into a comprehensive EPHT Database Inventory. The Inventory includes databases with both on-going and one-time collection, as well as electronic and paper data. Database owners filled out either an on-line survey or hardcopy version with descriptive information for each database between October 2003 and January 2004. At present, we have received surveys for 86 databases in different states of completion. As we continue to identify additional databases for the Inventory, we will begin to evaluate each database for its usefulness for tracking, linking, and potential inclusion in an EPHT network. This information will help to determine how best to implement EPHT in Oregon.

A draft summary for each database in the inventory follows, classified into 5 categories: 1) human health effects, 2) human exposure data, 3) health, exposure, and environmental combinations, 4) environmental data, and 5) other additional categories.

EPHT DATABASE INVENTORY	1
HUMAN HEALTH EFFECTS.....	4
1. DEATH CERTIFICATE DATABASE.....	4
2. MEDICAID MANAGEMENT INFORMATION SYSTEM (MMIS).....	5
3. OREGON HOSPITAL DISCHARGE DATA	6
4. OREGON STATE CANCER REGISTRY (OSCAR)	7
5. WORKERS' COMPENSATION DIVISION BULLETIN 220 INSURER MEDICAL BILLING DATA	8
6. OREGON COMMUNITY HEALTH INFORMATION NETWORK (OCHIN).....	9
7. OHSU PRIMARY CARE DATABASE.....	10
8. OHSU TRAUMA COMMUNICATION CENTER	11
9. CHRONIC DISEASE DATA CLEARINGHOUSE.....	12
10. MEDICAL ENCOUNTER DATABASE FOR SCHOOL-BASED HEALTH CENTERS.....	13
11. BIRTH CERTIFICATE	14
12. FETAL DEATH CERTIFICATE	15
13. OREGON SURVEY OF ADULT ASTHMA.....	16
HUMAN EXPOSURE DATA.....	17
14. ENFORCEMENT DATABASE	17
15. LEAD POISONING DATABASE	18
16. PUBLIC HEALTH SURVEY.....	19
HEALTH, EXPOSURE, AND ENVIRONMENTAL COMBINATIONS.....	20
17. COLUMBIA RIVER BASIN FISH CONTAMINANT SURVEY	20
18. PORTLAND NEIGHBORHOOD SURVEY	21
19. CENSUS OF FATAL OCCUPATIONAL INJURIES (CFOI)	22
20. ENVIRONMENTAL CLEANUP SITE INFORMATION (ECSI)	23
21. BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM (BRFSS).....	24
22. FAMILYNET	25
23. HAZARDOUS SUBSTANCES EMERGENCY EVENTS SURVEILLANCE SYSTEM (HSEES)	27
24. NATIONAL ELECTRONIC DISEASE SURVEILLANCE SYSTEM (NEDSS BASE SYSTEM)	28
25. SPIDER DATABASE	29
26. STELLAR 3.5	30
27. VERMICULITE HEALTH OUTCOME DATA	31
28. EMSTAT – OHSU EMERGENCY DEPARTMENT DATABASE	32
29. TOXIC EXPOSURE SURVEILLANCE SYSTEM	33
30. HAZARDOUS SUBSTANCE INFORMATION SURVEY DATABASE.....	34
31. OERS INCIDENT REPORTING SYSTEM.....	35
32. NATIONAL PESTICIDE INFORMATION CENTER (NPIC)	36
33. REGENCE BASE WAREHOUSE	37
34. WORKERS' COMPENSATION DIVISION CLAIMS SYSTEM.....	38
35. WORKERS' COMPENSATION DIVISION CLAIMS SYSTEM.....	39
36. OREGON BEACH MONITORING DATABASE	40
ENVIRONMENTAL DATA	41
37. AIR MONITORING DATA SYSTEM.....	41
38. PORTLAND AREA TOXICS ASSESSMENT MOBILE SOURCE EMISSIONS	42
39. LABORATORY INFORMATION MANAGEMENT SYSTEMS (LIMS)	43
40. 303(D) LIST OF IMPAIRED WATER BODIES	44
41. AIR CONTAMINANT SOURCE INFORMATION SYSTEM (ACSIS)	45
42. ALL DEQ PRODUCTION DATABASES (EXCEPT LASAR).....	46
43. DISCHARGE MONITORING SYSTEM (DMS).....	48
44. DRINKING WATER PROTECTION (DWP)	49

45.	EMERGENCY RESPONSE INFORMATION SYSTEM (ERIS)	50
46.	GROUNDWATER QUALITY	51
47.	HAZWASTE.NET	52
48.	HOUSEHOLD HAZARDOUS WASTE ANNUAL REPORT	53
49.	LA PINE PROJECT DATABASE	54
50.	LABORATORY ANALYTICAL STORAGE AND RETRIEVAL (LASAR)	55
51.	LEAKING UNDERGROUND STORAGE TANKS (LUST)/OTIS	56
52.	OREGON POLLUTANT ASSESSMENT LIBRARY (OPAL)	57
53.	PACIFIC NORTHWEST WATER QUALITY DATA EXCHANGE	58
54.	SOLID WASTE COMPOSITION STUDY DATA	59
55.	SOLID WASTE INFORMATION & FACILITY TRACKING (SWIFT) DATABASE	60
56.	SOURCE INFORMATION SYSTEM (SIS)	61
57.	SOUTHERN WILLAMETTE VALLEY GROUNDWATER	62
58.	UNDERGROUND INJECTION	63
59.	FOREST ACTIVITIES COMPUTER TRACKING SYSTEM (FACTS) – ODF	64
60.	OREGON MERCURY IN FISH	65
61.	SAFE DRINKING WATER INFORMATION SYSTEM (SDWIS)	66
62.	NATIONAL WATER INFORMATION SYSTEM (NWIS)	67
63.	NATIONAL WATER QUALITY ASSESSMENT DATA WAREHOUSE (NAWQA)	68
64.	OREGON DISTRICT NATIONAL WATER INFORMATION SYSTEM	69
65.	TOXICS RELEASE INVENTORY REPORTING	70
66.	OREGON PESTICIDES AND GROUNDWATER DATABASE	71
67.	TOXIC RELEASE INVENTORY (TRI)	72
68.	FERTILIZER SAMPLES	73
69.	FERTILIZER TONNAGE A	74
70.	FERTILIZER TONNAGE B	75
71.	LA PINE NATIONAL DEMONSTRATION PROJECT DATABASE	76
72.	LAB SERVICES – LABORATORY INFORMATION MANAGEMENT SYSTEM (LIMS)	77
73.	PORTLAND HARBOR SUPERFUND INVESTIGATION	78
74.	ASBESTOS DATA SYSTEM (ASB.NET)	79
75.	PHOENIX	80
76.	ARROW ALLERGY NETWORK	81
77.	CONFINED ANIMAL FEEDING OPERATIONS (CAFO)	82
78.	SHELLFISH BAYWATERS DATABASE	83
79.	PESTICIDE LICENSING	84
80.	PESTICIDE COMPLAINTS	85
81.	PESTICIDE ENFORCEMENT ACTIONS	86
82.	PESTICIDE INVESTIGATIONS	87
83.	PESTICIDE PRODUCT REGISTRATION	88
84.	FERTILIZER PRODUCT REGISTRATION	89
85.	AGRICULTURE INFORMATION SYSTEMS	90
86.	MEASUREMENT STANDARDS DIVISION DATABASE	91

Human Health Effects

1. Death Certificate Database

Agency: Department of Human Services, Center for Health Statistics

Type(s) of data collected: Health outcomes, vital statistics, demographics, health diagnosis code, self-reported MD diagnosis

Current record number: 916,669

Records collected annually: 31,000

Routinely validated: Yes (double data entry, queries to data providers, sight verification of records for errors and blanks)

Basis of collection or reporting: Mandatory

Year data collection began: 1971 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Local (county, zip, address)

Data are geographically coded: Yes

Database media: Mainframe and client server

Database management system software: Statistical software, SQL server

Description: The Center for Health Statistics houses all vital records data including death certificate data. By law, death certificates are required to be filed within 48 hours of a death. Data are maintained on all deaths occurring in the state of Oregon beginning in 1971. Information is collected on age, county, manner of death, and date of occurrence. Additional data is collected on tobacco use, and autopsy and injury information.

[source: <http://www.dhs.state.or.us/publichealth/chs/dcinstructions.pdf>]

Contact: Joyce A. Grant-Worley, Health Statistics Manager

503-731-4449

joyce.a.grant-worley@state.or.us

Human Health Effects

2. **Medicaid Management Information System (MMIS)**

Agency: Department of Human Services, Office of Medical Assistance Programs

Type(s) of data collected: Health outcomes, routine screening, non-routine survey or special study

Current record number: millions

Records collected annually: millions

Routinely validated: Yes (The data is claims data that is mostly submitted to us electronically. We do some data entry, which is sampled and checked. There are also automatic edits for out of range values, gender match on certain procedures, etc.

Basis of collection or reporting: Mandatory

Year data collection began: n/a **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: n/a

Database media: n/a

Database management system software: MS Access, Excel or other spreadsheet, Statistical software, Oracle/Sybase, Other

Description: This database contains medical encounters, treatment, medical services and supplies for Oregonians who are categorically eligible for Medicaid. The MMIS system classifies by the Federal Title (XVIII, XIX, etc.) of the program. This is a reimbursement system, showing all activity on an account at any point in time.

Contact: Judy Mohr Petersen, PhD, Analysis & Evaluation, Manager

503-945-6929

judy.mohr-peterson@state.or.us

Human Health Effects

3. **Oregon Hospital Discharge Data**

Agency: Department of Human Services – Acute and Communicable Disease

Type(s) of data collected: Health outcomes, demographics, diagnosis code

Current record number: 411,000

Records collected annually: 420,000

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 1988 **Most recent year:** 2002

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: n/a

Database media: CD-ROM

Database management system software: Statistical software, Oracle/Sybase

Description: The Oregon Hospital Discharge Data is collected by the Oregon Association of Hospitals and Health Systems and is comprised of information on hospital discharges in the state. For a patient to be included in the system, a minimum 12-hour stay at a hospital is required. Data consist primarily of principal and secondary diagnoses and procedures, hospital IDs, length of stay, and limited demographic information. Information on emergency room visits, urgent care, outpatient surgery, and clinic visits is excluded in this system.

Contact: Michelle Barber, Research Analyst

503-731-4024

michelle.barber@state.or.us

4. Oregon State Cancer Registry (OSCAR)

Agency: Department of Human Services

Type(s) of data collected: Health outcomes, registry or surveillance program, health diagnosis codes, demographics, diagnosis information

Current record number: 150,000

Records collected annually: 20,000

Routinely validated: Yes (Data undergoes quality reviews, electronic and manual, prior to being merged into database)

Basis of collection or reporting: Mandatory

Year data collection began: 1996 **Most recent year:** 2002

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive, magnetic tape

Database management system software: RMCDS

Description: The Oregon State Cancer Registry is NAACCR certified and contains data for all reportable cancers diagnosed or treated in Oregon beginning January 1, 1996. Reportable cases include all cancers except specific forms of common, curable skin cancers and in situ cervical cancers. Data are received from hospital-based registries, individual health care providers, ambulatory surgical centers, other cancer treatment centers, and pathology labs. Additional cases are identified from OSCaR active case finding. The data collected include patient name, address, age, sex, type and characteristics of the cancer, details of the diagnosis, and treatment given.

[source: <http://www.dhs.state.or.us/publichealth/oscar/about.cfm>]

Contact: Donald Shipley, MS, Program manager

503-731-4858

donald.k.shipley@state.or.us

5. Workers' Compensation Division Bulletin 220 Insurer Medical Billing Data

Agency: Department of Consumer & Business Services (DCBS)

Type(s) of data collected: Health outcomes, health diagnosis codes

Current record number: ~28,000,000

Records collected annually: 1,800,000

Routinely validated: Yes (A batch edit error program is run each quarter on each insurer data submission to detect five percent or more error in any data submission field)

Basis of collection or reporting: Mandatory

Year data collection began: 1990 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: CD-ROM, floppy disk, magnetic tape, Hard drive

Database management system software: Oracle/Sybase, WANG/ PACE

Description: This database contains billing information for medical encounters and medical services, paid in a particular quarter, for Oregon Workers' Compensation claims. In addition to claim identification information, the file includes day of service, day paid, what service was provided (and how much), type of provider, amount billed, and amount paid.

Contact: Nathan Johnson, Research Analyst 2

503-947-7194

Nathan.Johnson@state.or.us

6. Oregon Community Health Information Network (OCHIN)

Agency: OCHIN

Type(s) of data collected: n/a

Current record number: 400,000 patient records; 250,000 visits

Records collectively annually: 500,000 visits

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 2002 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Regional (Oregon, Seattle)

Data are geographically coded: No

Database media: SAN

Database management system software: SQL server, Cache

Description: OCHIN is a collaborative project of stakeholders, safety net health care providers, and CareOregon working together to stabilize the infrastructure of Oregon's health care safety net system. The multiphase project includes: (1) the design and implementation of a statewide data infrastructure that will offer practice management software to safety net project partners, (2) the rollout of medical record software facilitating continuity of care for uninsured Oregonians, and (3) the activation of a data warehouse on the health demographics of the populations served by the health safety net (non-personal health statistics to understand the health issues faced by vulnerable Oregon residents).

[source: <http://www.careoregon.org/pages/OCHIN/ochin.html>]

Contact: Howard Balshem, CIO

503-416-1409

balshemh@community-health.org

7. OHSU Primary Care Database

Agency: OHSU Office of Rural Health

Type(s) of data collected: Health outcomes, vital statistics, registry and surveillance, routine survey, demographics

Current record number: 20,000

Records collected annually: replacement

Routinely validated: Yes (checked against other sources)

Basis of collection or reporting: Mandatory

Year data collection began: 2000 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide, regional, local (by zip)

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: MS Access, GIS programs

Description: Compiles data from various sources, including hospital inpatient data, BRFSS, DHS vital statistics, weather, geography, transportation data, provider license data, employment data, and the Census Bureau to identify supply and demand for primary care visits in rural service areas in Oregon. Data include demographic and socioeconomic information, vital statistics, health risk factors, and health care resources.

[source: <http://www.ohsu.edu/oregonruralhealth>]

Contact: Emerson Ong, Data Coordinator

503-494-5226

onge@ohsu.edu

8. OHSU Trauma Communication Center

Agency: OHSU - Emergency

Type(s) of data collected: Health outcomes, registry and surveillance, demographics

Current record number: 35,000

Records collected annually: 2,500

Routinely validated: Yes (Matched against Oregon Trauma Registry annually or on demand)

Basis of collection or reporting: Mandatory

Year data collection began: 1985 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Regional (ATAB1 Metro)

Data are geographically coded: Yes

Database media: Hard drive, magnetic tape

Database management system software: MS Access, Excel or other spreadsheet, statistical software, GIS programs, SQL server

Description: Oregon Health & Science University's electronic database containing information on characteristics, treatments and outcomes of trauma patients treated at OHSU. Personnel trained in data collection enter data into the electronic database. Data are transferred to Oregon DHS within 90 days of patients' discharge.

[source: <http://www.ohsu.edu/trauma/reports>]

Contact: Christopher Bangs, System Administrator

503-494-7473

bangsc@ohsu.edu

9. Chronic Disease Data Clearinghouse

Agency: OMPRO

Type(s) of data collected: Health outcomes, registry or surveillance, demographics, health diagnosis codes

Current record number: n/a

Records collected annually: n/a

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 2003 **Most recent year:** n/a

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive

Database management system software: SQL server

Description: The purpose of this project is to test the concept of using a clearinghouse to exchange data about patients with diabetes and asthma in order to promote high quality, systematic health care. The database is not yet operational; it is part of pilot project by OMPRO. The goal is to create a data warehouse of health plan data with lab and pharmacy information for diabetes and asthma initially and provide this information to physicians and clinics.

[source: <http://www.dhs.state.or.us/publichealth/hpcdp/cddata/pilot.pdf>]

Contact: Neal Hickman, Ph.D., Data analysis manager

503-382-3944

nhickman@ompro.org

10. Medical Encounter Database for School-based Health Centers

Agency: Department of Human Services - OFH

Type(s) of data collected: Health outcomes, health diagnosis code, demographics, health care provider reports

Current record number: 86,939

Records collected annually: 80-90,000

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 1989 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Regional (Columbia, Washington, Lincoln, Benton, Lane, Douglas, Josephine, Jackson, Multnomah, Umatilla, Union, Baker, Clackamas counties)

Data are geographically coded: No

Database media: CD-ROM, Floppy disk, Hard drive

Database management system software: MS Access, Excel or other spreadsheet, statistical software

Description: The medical encounter database contains de-identified medical information about visits that happen in all of the school-based health centers across the state. The variables in the data include: school ID, unique patient ID, date of birth, sex, race, date of visit, provider type, grade, insurance status, CPT code(s), diagnostic code(s). After the data is submitted by each center, it is combined so as to create one large aggregated database.

[source: <http://www.dhs.state.or.us/publichealth/ah/sbhc/2003rpt/2003clow.pdf>]

Contact: Bob Nystrom, Adolescent Health & Genetics Manager

503-731-4771

Robert.j.nystrom@state.or.us

Human Health Effects

11. Birth Certificate

Agency: Department of Human Services – Center for Health Statistics

Type(s) of data collected: Vital statistics, health diagnosis code, demographics, medical records

Current record number: n/a

Records collected annually: 45,000

Routinely validated: Yes

Basis of collection or reporting: Mandatory

Year data collection began: 1989 **Most recent year:** current

Data collection is ongoing: Yes

Geographic coverage: Statewide, Regional (county, zip), and local

Data are geographically coded: Yes (GIS software)

Database media: n/a (mainframe and client server/LAN)

Database management system software: Statistical software, GIS programs, SQL/Server

Description: More information needed.

Contact: Joyce Grant-Worley, Manager, Statistics Unit

503-731-4449

Joyce.A.Grant-Worley@state.or.us

12. Fetal Death Certificate

Agency: Department of Human Services – Center for Health Statistics

Type(s) of data collected: Vital statistics, health diagnosis code, demographics, medical provider records

Current record number: n/a

Records collected annually: 250

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 1979 **Most recent year:** current

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: n/a (mainframe and client server/LAN)

Database management system software: MS Access, Statistical software

Description: The Center for Health Statistics houses all vital records data including death certificate data. By law, death certificates are required to be filed within 48 hours of a death. Collection of demographic information is the responsibility of the funeral home director. The funeral home directors are also charged with obtaining the cause of death and certification of time and date from the attending medical certifier or medical examiner. Data are maintained on all deaths occurring in the state of Oregon; however electronic access is available for only 1979 through current year to date. Information is collected on age, county of residence, manner of death, and date of occurrence, underlying cause of death and all other conditions mentioned by medical certifier. Additional data is collected on tobacco use, and autopsy and injury information.

Contact: Joyce Grant-Worley, Manager, Statistics Unit

503-731-4449

Joyce.A.Grant-Worley@state.or.us

13. Oregon Survey of Adult Asthma

Agency: Department of Human Services – Health Services

Type(s) of data collected: Health outcomes, demographics, self-reported MD diagnosis,

Current record number: 642

Records collected annually: 0

Routinely validated: Yes (A certain proportion of the surveys were dual-entered and the results checked against one another)

Basis of collection or reporting: Voluntary

Year data collection began: 2001 **Most recent year:** 2001

Data collection is ongoing: No

Geographic coverage: Statewide

Data are geographically coded: No

Database media: n/a

Database management system software: Statistical software

Description: The Oregon Survey of Adult Asthma was originally mailed to 2,326 members of four large Oregon health plans in August 2002. Adult members were identified using a definition that counted their medical encounters and prescription medication dispensings for asthma between September 1, 2000 and August 31, 2001. Qualifying members were pre-notified by letter, and then within one month, questionnaires were mailed. Together, the three health plans that participated for the duration of the project had 190,725 members who met the enrollment criteria for the survey during the yearlong measurement period. Of these members, 4,252 (2.2%) were identified as having asthma.

[source: <http://www.oregon.gov/DHS/ph/asthma/pubs.shtml#oregon>]

Contact: Stacey Schubert, Epidemiologist

503-731-4545

stacey.s.schubert@state.or.us

Human Exposure Data

14. Enforcement Database

Agency: Department of Environmental Quality – Business Systems Development

Type(s) of data collected: n/a

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes (Various reports are run routinely to address case status and timeliness issues)

Basis of collection or reporting: Mandatory

Year data collection began: 1998 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: MS Access, SQL server

Description: A database of formal enforcement actions (i.e., department orders or civil penalties) that includes the date, respondent name, location, inspector, penalty and description of violation.

[source: <http://www.deq.state.or.us/news/databases.htm>]

Contact: Brent P. Mills, Systems Analyst

503-229-5083

mills.brent@deq.state.or.us

Human Exposure Data

15. Lead Poisoning Database

Agency: Department of Human Services, Lead Poisoning Prevention Program

Type(s) of data collected: Health outcomes, human exposures, registry or surveillance, routine screening, health diagnosis codes, demographics

Current record number: 90,000

Records collected annually: 15,000

Routinely validated: Yes (checks for duplicates and incomplete records)

Basis of collection or reporting: Mandatory

Year data collection began: 1991 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive, Network drive

Database management system software: MS Access, SQL server

Description: The Lead Poison database, maintained by the Oregon Childhood Lead Program and ABLES Program, contains laboratory reports on blood lead tests in Oregon. Information comes from all clinical laboratories known to the Oregon Childhood Lead Program and ABLES Programs. The data comes in by mail, fax, e-mail, floppy disk and electronic records through Oregon's NEDSS project. The system is used as both an edit tool for records destined for the STELLAR system and as a case management tool for adults with elevated blood lead levels. While the Lead Poison system can feed records to STELLAR, the reverse is not true.

Contact: Richard Leiker, Program Manager

503-731-4025

Richard.d.leiker@state.or.us

Human Exposure Data

16. Public Health Survey

Agency: Oregon Child Development Coalition – Health Department

Type(s) of data collected: Human exposure, demographics, clinical evaluations

Current record number: 2,672

Records collected annually: 1,336

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 2002 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Regional (Hood River, Jackson, Jefferson, Klamath)

Data are geographically coded: No

Database media: CD-ROM, Hard drive, paper/hard-copy

Database management system software: Excel or other spreadsheet

Description: More information needed.

Contact: Nineth Chacon, Health Specialist

503-570-1110

nineth.chacon@ocdc.net

17. Columbia River Basin Fish Contaminant Survey

Agency: Environmental Protection Agency, Region 10

Type(s) of data collected: Environmental data / contaminants

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes (All data were validated by EPA QA office)

Basis of collection or reporting: Voluntary

Year data collection began: 1996 **Most recent year:** 1998

Data collection is ongoing: No

Geographic coverage: Regional (Columbia River Basin)

Data are geographically coded: Yes (GPS tools)

Database media: CD-ROM

Database management system software: MS Access, Excel or other spreadsheet, statistical software, GIS programs

Description: A preliminary survey of toxic chemicals in fish from the Columbia River Basin. The survey aimed to address the following questions: 1) are fish from the Columbia River Basin contaminated with toxic chemicals; 2) are there differences in chemical concentrations among fish species and study sites within the basin and other locations throughout the US; and 3) are there potential human health risks from consumption of contaminated fish? Two hundred eight fish samples were collected at 24 sites from July 1996 to December 1997.

[source:<http://yosemite.epa.gov/r10/oea.nsf/0/C3A9164ED269353788256C09005D36B7?OpenDocument>]

Contact: Carol Harrison

503-553-1526

Harrison.Carol@epa.gov

18. Portland Neighborhood Survey

Agency: Lewis & Clark College

Type(s) of data collected: Health outcomes, demographics

Current record number: 587

Records collected annually: n/a

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 2000 **Most recent year:** 2002

Data collection is ongoing: No

Geographic coverage: Local areas (Portland)

Data are geographically coded: No

Database media: n/a

Database management system software: n/a

Description: A survey conducted by researchers at Lewis & Clark College to identify social and environmental characteristics of neighborhoods across the Portland Metropolitan region. The survey was administered in 4 distinct phases and locations across the Portland area.

[source: http://www.lclark.edu/~podobnik/Neighborhood_Survey.html]

Contact: Bruce Podobnik, Ph.D., Lewis and Clark College

podobnik@lclark.edu

19. Census of Fatal Occupational Injuries (CFOI)

Agency: Bureau of Labor Statistics – Depart. of Consumer and Business Services

Type(s) of data collected: Health outcomes, vital statistics, registry or surveillance, health diagnosis codes, demographics

Current record number: 1010

Records collected annually: 70.6

Routinely validated: Yes (Regularly reviewed and updated with additional documents. Data verified for year by Regional BLS CFOI representative)

Basis of collection or reporting: Mandatory

Year data collection began: 1991 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Floppy disk, Hard drive

Database management system software: Statistical software, BLS CFOI software

Description: A database that collects information on all fatal occupational injuries in the state of Oregon. The data include all fatal work injuries, whether the decedent was working in a job covered by the Occupational Safety and Health Administration (OSHA) or other federal or state agencies or was outside the scope of regulatory coverage. Approximately 30 data elements are collected, coded, and tabulated, including information about the worker, the fatal incident, and the machinery or equipment involved.

[source: <http://stats.bls.gov/news.release/cfoi.tn.htm>]

Contact: Ronnie V. Rachele, Assistant Research & Analysis Manager

503-947-7307

Ronni.V.Rachele@state.or.us

20. Environmental Cleanup Site Information (ECSI)

Agency: Department of Environmental Quality, Land Quality Division

Type(s) of data collected: Environmental data / contamination

Current record number: >100,000

Records collected annually: ~6,000

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 1989 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive, Magnetic tape

Database management system software: SQL Server

Description: An electronic database DEQ uses to track sites with known, suspected, or cleaned up hazardous substance contamination, such as solvents, metals, PCBs, or petroleum hydrocarbons. The database summarizes information about each site, including the investigative/remedial status and Cleanup Program's recommendations for further action. Data include information such as name, location, measured contaminants at the site, and how and when the site became contaminated. The amount of data entered for each site varies significantly depending on the nature of the site, how long it has been active in the Cleanup Program, and the priority assigned to the site.

[source: <http://www.deq.state.or.us/wmc/cleanup/ecsiq&a.htm>]

Contact: Gil Wistar, ECSI Database Administrator

503-229-5512

wistar.gil@deq.state.or.us

21. Behavioral Risk Factor Surveillance System (BRFSS)

Agency: Oregon Department of Human Services – Office of Disease Prevention and Epidemiology

Type(s) of data collected: Health outcomes, routine survey, demographics

Current record number: n/a

Records collected annually: 7,000

Routinely validated: Yes (Some questions have verification follow-up; monthly datasets go through edits program)

Basis of collection or reporting: Voluntary

Year data collection began: 1988 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: n/a

Database media: CD-ROM

Database management system software: Excel or other spreadsheet, statistical software

Description: A continuously conducted, telephone health survey conducted by the CDC and state health departments to monitor modifiable risk factors for chronic diseases and other leading causes of death. Factors assessed by the BRFSS include tobacco use, physical activity, dietary practices, safety belt use, and use of cancer screening services, among others. Data are collected from a random sample of adults (one per household).

[source: <http://www.dhs.state.or.us/publichealth/chs/brfss.cfm>]

Contact: Kathy Pickle, BRFSS Coordinator

503-731-4478

Kathryn.e.pickle@state.or.us

22. FamilyNet

Agency: Department of Human Services, Office of Family Health

Type(s) of data collected: Health outcomes, vital statistics, registry or surveillance, routine screening, non-routine survey, health diagnosis codes, demographics

Current record number: millions

Records collected annually: 1,000,000

Routinely validated: Yes (Data are validated as they are entered through online edits and logic checks. Participant and program data are checked during file merge and periodically for duplicates)

Basis of collection or reporting: Mandatory

Year data collection began: 2003

Most recent year: 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard-drive

Database management system software: Statistical software, Oracle/Sybase, DB2

Description: FamilyNet is a centrally deployed, locally operated data system that will integrate data and permit coordination of services to children and families. The first component to be developed was the Client Master that represents the hub to which all modules are attached. The Client Master contains client identifying information, a system generated ID number, demographic information, contact information, name of guardian (for a child), and enrollment in the modules. The two modules being developed first are “The WIC Information System Tracker” and the “Immunization Record Information System.” The third module to be developed will be the Family and Child Module.

[source: <http://mchneighborhood.ichp.edu/pacnorgg/Oregon/assessment/2fFamilyNetHealthDataSystem.pdf>]

Contact: Donalda Dodson, Administrator, Office of Family Health

503-731-4398

Donalda.Dodson@state.or.us

23. Hazardous Substances Emergency Events Surveillance System (HSEES)

Agency: Department of Human Services

Type(s) of data collected: Health outcomes, environmental data, health effects description, demographics

Current record number: n/a

Records collected annually: 250

Routinely validated: Yes (ATSDR conducts data cleaning and editing from Atlanta)

Basis of collection or reporting: Voluntary

Year data collection began: 1992 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: n/a

Database management system software: Excel or other spreadsheet, statistical software

Description: Oregon is one of sixteen ATSDR-funded states maintaining a HSEES database. Data are collected on all spills and leaks that qualify as hazardous substance emergency events. These events may include any uncontrolled or illegal releases, or threatened releases, of potentially hazardous chemicals or chemical by-products (excluding petroleum products and sewage). Oregon HSEES monitors spills and leaks whenever the amount of material released makes it necessary to take protective or remedial action. The types of information collected include location of spill, type and amount of chemical, factors contributing to the release, resultant injuries, etc.

[source: <http://www.dhs.state.or.us/publichealth/hsees/hseesfac.pdf>]

Contact: Theodora A. Tsongas, Ph.D., MS, Epidemiologist

503-731-4202

Theodora.a.Tsongas@state.or.us

24. National Electronic Disease Surveillance System (NEDSS Base System)

Agency: Department of Human Services – Office of Disease Prevention and Epidemiology

Type(s) of data collected: Health outcomes, health diagnosis codes, demographics,

Current record number: 0

Records collected annually: 10,000

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: n/a **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: SQL Server

Description: A CDC-funded program designed to: 1) streamline the flow of reportable disease information electronically from clinical laboratories and health-care professionals to local, state, and national public health agencies; 2) to allow for ready visualization and analysis of these data; 3) to assist in the development of a national disease surveillance system; and 4) to ensure access to all appropriate Oregon public health personnel.

NEDSS will electronically integrate a wide variety of surveillance activities and will facilitate more accurate and timely reporting of disease information to CDC and state and local health departments.

[source: <http://www.oshd.org/nedss/about.cfm>]

Contact: June Bancroft, NEDSS Epidemiologist

503-731-4024 X591

June.e.Bancroft@state.or.us

25. SPIDER Database

Agency: Department of Human Services, Environmental and Occupational Epidemiology

Type(s) of data collected: Health outcomes, human exposure data, registry or surveillance, demographics, health diagnosis codes, occupational data

Current record number: 800

Records collected annually: 130

Routinely validated: Yes (Before annual reporting, inconsistencies are identified through manual review of cross-tabulated data and spot checking)

Basis of collection or reporting: Mandatory

Year data collection began: 1997 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard-drive

Database management system software: Visual FoxPro

Description: SPIDER is a data system maintained by the Sentinel Event Notification System for Occupational Risk (SENSOR) project in Oregon. The system contains information on reported exposures to pesticides in the state. Reports come from private citizens who suspect that they may have been exposed to pesticides as well as from medical providers reporting results of tests for pesticide exposures. The system contains information on source of exposure, event or cause of exposure, the agent exposed to, and the health outcomes from the exposure.

Contact: Cinzia Romoli, Pesticide Poisoning Prevention Program

503-872-6805

cinzia.romoli@state.or.us

26. STELLAR 3.5

Agency: Department of Human Services, Lead Poisoning Prevention Program

Type(s) of data collected: Health outcomes, environmental data, human exposure data, demographics

Current record number: 75,000

Records collected annually: 10,000

Routinely validated: Yes (error checking program)

Basis of collection or reporting: Mandatory

Year data collection began: 1991 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive, network drive

Database management system software: STELLAR 3.5C

Description: STELLAR is an environmental exposure database, maintained by the Oregon Childhood Lead Program and ABLES Program, that contains all blood lead tests in Oregon. While the focus is principally children, the file does contain information on adults. Information comes from all clinical laboratories known to the Oregon Childhood Lead Program and ABLES Programs. The data comes in by mail, fax, and electronic records through Oregon's NEDSS project. The STELLAR system maintains a repository of all blood lead test in Oregon and is also used for case management when a person is classified with elevated blood lead levels (>10 µg/DL).

Contact: Rick Leiker, Program Manager

503-731-4025

Richard.d.leiker@state.or.us

27. Vermiculite Health Outcome Data

Agency: Department of Human Services – EOE/SHINE

Type(s) of data collected: Health outcomes, non-routine survey or special study, health diagnosis codes

Current record number: n/a

Records collected annually: n/a

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 1988 **Most recent year:** 2002

Data collection is ongoing: No

Geographic coverage: Local areas (near vermiculite sites)

Data are geographically coded: No

Database media: CD-ROM, Hard drive

Database management system software: Excel or other spreadsheet

Description: This database contains data that are being collected for ATSDR as part of national study of health impacts near 28 former vermiculite-processing plants. Two of these plants were located in Portland. Data are being compiled from the Cancer Registry and Death Certificates and will be turned in to ATSDR for release.

Contact: Janice Panichello, Program Representative

503-872-5359

Janice.d.panichello@state.or.us

28. EMSTAT – OHSU Emergency Department Database

Agency: OHSU - Emergency

Type(s) of data collected: Health outcomes, registry or surveillance, health diagnosis codes, demographics, occupational data

Current record number: 350,000

Records collected annually: 45,000

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 1997 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: RAID Mirrors

Database management system software: MS Access, Excel or other spreadsheet, statistical software, Oracle/Sybase, GIS programs, SQL server

Description: A computerized patient information system in OHSU Hospital's Emergency Department (ED). Information collected includes symptoms, physical findings, county of residence and diagnoses, etc.

[source: <http://www.ohsu.edu/news/2003/100203em.html>]

Contact: Christopher Bangs, System Administrator

503-494-7473

bangsc@ohsu.edu

29. Toxic Exposure Surveillance System

Agency: Oregon Poison Center

Type(s) of data collected: Health outcomes, human exposure data, demographics, occupational history

Current record number: 280,000

Records collected annually: 70,000

Routinely validated: Yes (The database has automated validity checks. In addition, QA reviews are performed on selected cases)

Basis of collection or reporting: Mandatory

Year data collection began: 2000 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Regional (Oregon, Alaska, Northern Nevada)

Data are geographically coded: Yes

Database media: Hard drive, Magnetic tape

Database management system software: MS Access, SQL server

Description: The Oregon Poison Center provides 24-hour emergency treatment information for patients experiencing a poisoning or toxic exposure. The OPC determines appropriate treatment recommendations and utilizes continuous follow-up and evaluation to determine that treatment recommendations are effective.

[source: <http://www.ohsu.edu/poison/more.htm>]

Contact: Sandy Giffin, Department Director

503-494-6077

giffin@ohsu.edu

30. Hazardous Substance Information Survey Database

Agency: Oregon State Fire Marshal – Community Right to Know

Type(s) of data collected: Environmental data

Current record number: 48,000+

Records collected annually: 48,000+

Routinely validated: Yes (All surveys received are reviewed for completeness. Information is routinely validated by monthly QC checks and audit activities conducted by compliance staff)

Basis of collection or reporting: Mandatory

Year data collection began: 1986 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: CD-ROM, Floppy disk, Paper tape

Database management system software: MS Access

Description: Data collected via an annual survey sent to businesses and governmental agencies by the Office of State Fire Marshal, as authorized by Oregon’s Community Right to Know and Protection Act. The survey collects information on the types, quantities, and storage conditions of hazardous materials at facilities throughout Oregon.

[source: <http://www.sfm.state.or.us/CR2K/SurveyInfo/2003%20Survey%20Instr%20Book.pdf>]

Contact: Dave Ringeisen, Transportation Data Section Manager

503-986-4171

david.w.ringeisen@odot.state.or.us

31. OERS Incident Reporting System

Agency: Oregon State Police – Oregon Emergency Management

Type(s) of data collected: Environmental data, emergency spill responses

Current record number: 5,000+

Records collected annually: 325

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 1974 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: CD-ROM, Hard drive, paper

Database management system software: MS Access

Description: The purpose of the Oregon Emergency Response System (OERS) is to coordinate and manage state resources in response to natural and technological emergencies and civil unrest involving multi-jurisdictional cooperation between all levels of government and the private sector. Various types of information is collected on all incidents, including name, agency, type of incident and materials involved, location/time of incident, background on how the incident occurred, on-scene contact, severity, actions taken, and responsible party.

[source: <http://www.osp.state.or.us/oem/organization/oers/oers.htm>]

Contact: Tami Kuehl, Program manager

503-378-2911

Tami.Kuehl@state.or.us

32. National Pesticide Information Center (NPIC)

Agency: Oregon State University – Department of Environmental and Molecular Toxicology

Type(s) of data collected: Health outcomes, demographics, interview

Current record number: >100,000

Records collected annually: 23,000

Routinely validated: Yes (QA/QC program)

Basis of collection or reporting: Voluntary

Year data collection began: 1995 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: n/a

Database management system software: FoxPro

Description: NPIC receives approximately 20,000 calls each year from the public and professionals regarding pesticide use and exposure. Information on pesticide exposure calls is logged into a database; the database tracks information on adverse health effects and the potential or actual exposure to pesticides.

[source: <http://npic.orst.edu/>]

Contact: Daniel Sudakin, M.D., M.P.H., Assistant Professor

541-737-8969

sudakind@ace.orst.edu

33. Regence Base Warehouse

Agency: The Regence Group – Health Economics

Type(s) of data collected: Health outcomes, vital statistics, routine screening, health diagnosis codes, demographics, occupational data

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes (Health plan data is validated via payment vouchers to providers, and balancing data warehouse to source systems used for claim payment)

Basis of collection or reporting: Mandatory

Year data collection began: 1999 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive

Database management system software: Oracle/Sybase

Description: The Regence Base Warehouse contains both membership and member claim information for the total health insurance plan of Regence in Oregon. This includes information on approximately one million people covered by Regence commercial plan or Medicare coverage. The claim information includes medical encounters, including procedures and medical diagnoses. The Warehouse also includes pharmacy data for the members covered by Regence of Oregon.

Contact: Jeff Keim, Manager, Health Economics

503-525-6525

jckeim@regence.com

34. Workers' Compensation Division Claims System

Agency: SAIF Corporation – Research & Analysis

Type(s) of data collected: Health outcomes, health diagnosis codes, demographics, occupational data

Current record number: 1,000,000+

Records collected annually: 40,000

Routinely validated: Yes

Basis of collection or reporting: Mandatory

Year data collection began: 1950 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: SQL server

Description: This system collects information from the First Report of Injury (FROI), 801 and 827 forms that are submitted to SAIF Corporation. The claims that are in the system are all claims for SAIF Corporation and include information about the claimant, the employer, the job site, the event leading up to the claim, and subsequent treatment.

Contact: Steve Robinson, Corporate Research Manager

503-373-8752

sterob@saif.com

35. Workers' Compensation Division Claims System

Agency: Department of Consumer & Business Services (DCBS)

Type(s) of data collected: Health outcomes, vital statistics, health diagnosis codes, demographics, occupational data

Current record number: 1,211,182

Records collected annually: 46,498

Routinely validated: Yes (Documents are checked against current system during update process. Edits are done at 2,4, and 6-12 months for specific criteria and unknown values)

Basis of collection or reporting: Mandatory

Year data collection began: 1966 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: Oracle/Sybase, Pace/Wang

Description: This system collects information from the First Report of Injury (FROI), 801 and 827 forms submitted to each Workers' Compensation Insurance Carrier, with a copy going to DCBS/WCD. Information about the event leading up to the claim is coded prior to data entry, but information about the claimant, employer, job location, and job status is transferred verbatim. The claims in the system include all denied claims and those that are accepted disabling claims.

Contact: Ronnie V. Rachele, Assistant Research & Analysis Manager

503-947-7307

Ronnie.V.Rachele@state.or.us

36. Oregon Beach Monitoring Database

Agency: Department of Human Services – Environmental Toxicology

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, sampling logistics, surface water, non-point bacteria

Current record number: 2,675

Records collected annually: ~1,800

Routinely validated: Yes (Validated upon receipt of official QC reports from analyzing agency)

Basis of collection or reporting: Mandatory

Year data collection began: 2003 **Most recent year:** current

Data collection is ongoing: Yes

Geographic coverage: Regional (Oregon coastline)

Data are geographically coded: Yes (GPS tools, aerial photographs)

Database media: Hard drive

Database management system software: MS Access, Excel or other spreadsheet

Description: This database stores the several thousand water quality samples taken at over 150 coastal recreational locations along the Oregon coast. The primary analyte in the database, and the one relevant to public health hazard, is bacteria concentration (Enterococcus group), but also includes other analytes such as water temperature, salinity, date, time, number of swimmers observed, etc. The database is linked to the Environmental Protection Agency's StoRet and Prawn databases (national databases of beach water quality) and provides direct, real-time links to the Program's online data tool.

[source: <http://www.coastalatlus.net/learn/topics/waterquality/beach/>]

Contact: Joel Sherman, Research Analyst

503-872-6774

joel.m.Sherman@state.or.us

Environmental Data

37. Air Monitoring Data System

Agency: Lane Regional Air Pollution Authority (L-RAPA)

Type(s) of data collected: Environmental data / contaminants, ambient monitoring

Current record number: 42,825

Records collected annually: 2,200

Routinely validated: Yes (Part of EPA's air monitoring requirements is validated before it is submitted to EPA, even those data not reported to EPA)

Basis of collection or reporting: Mandatory

Year data collection began: 1985 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Regional (Lane County)

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: Paradox

Description: This database stores all ambient air quality monitoring data for Lane County as collected by the Lane Regional Air Pollution Authority. Data collection is ongoing and the typical frequency of data collection is hourly. Subsets of the data are reported to Oregon DEQ for inclusion in the LASAR data system.

Contact: Calvin Yoshida, Data Processing Coordinator

541-736-1056

cyoshida@lrpa.org

Environmental Data

38. Portland Area Toxics Assessment Mobile Source Emissions

Agency: Metro – Travel Forecasting

Type(s) of data collected: Environmental data / contaminants

Current record number: n/a

Records collected annually: n/a

Routinely validated: No

Basis of collection or reporting: n/a

Year data collection began: 1999 **Most recent year:** 1999

Data collection is ongoing: No

Geographic coverage: Regional (Multnomah, Washington, Clackamas, Clark)

Data are geographically coded: Yes

Database media: Magnetic tape

Database management system software: MS Access, Oracle/Sybase, dBase

Description: A computerized modeling project to estimate local levels of 12 air toxics in the Portland regional area. PATA refines the national model (National Air Toxics Assessment conducted by US EPA) using current DEQ pollution information, including vehicular traffic, construction sites, weather and topography. The model estimates pollutant concentrations for formaldehyde, chromium, benzene, polycyclic organic matter (POM), chloroform, 1,3-butadiene, acetaldehyde, perchloroethylene, nickel, arsenic, diesel particulate and acrolein.

[source: <http://www.deq.state.or.us/aq/Factsheets/03-AQ-004-PATA.pdf>]

Contact: Bill Stein, Transportation Planner

503-797-1855

steinb@metro.dst.or.us

Environmental Data

39. Laboratory Information Management Systems (LIMS)

Agency: Department of Consumer and Business Services / OR-OSHA

Type(s) of data collected: Environmental data / contaminants, human exposure data, regulatory emission monitoring

Current record number: 45,000

Records collected annually: 3,000

Routinely validated: Yes

Basis of collection or reporting: Mandatory

Year data collection began: 1989 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Magnetic tape

Database management system software: Northwest Analytical proprietary

Description: The OR-OSHA Occupational Health Lab analyzes samples submitted by OR-OSHA field staff. The samples are collected by enforcement and consultation personnel to assist in evaluating exposures to chemicals in the work place. Generally, the samples are airborne, but there are also bulk samples and surface wipe samples. The results are entered into the Laboratory Information Management System (LIMS) with some demographic information describing the samples. This includes location, sampling device, description of process and sample, SIC and NAICS codes.

Contact: Kermit McCarthy, Lab Manager

503-731-8398

Kermit.d.mccarthy@state.or.us

Environmental Data

40. 303(d) List of Impaired Water Bodies

Agency: Department of Environmental Quality, Water Quality Division

Type(s) of data collected: Environmental data / contaminants, ongoing ambient monitoring

Current record number: 8,300

Records collected annually: 500

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 1986 **Most recent year:** 2001

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: MS Access

Description: Mandated by the federal Clean Water Act, this database maintains a list of stream segments in Oregon that do not meet EPA water quality standards. The list identifies the source of the contaminant, number of samples collected, median concentration, concentration range, and contaminant or parameter.

[source: <http://www.deq.state.or.us/wq/303dlist/303dpage.html>]

Contact: Marilyn Fonseca, Natural Resource Specialist

503-229-6804

fonseca.marilyn@deq.state.or.us

Environmental Data

41. Air Contaminant Source Information System (ACSIS)

Agency: Department of Environmental Quality – Air Quality Division

Type(s) of data collected: Environmental data / contaminants, emissions monitoring (regulatory and permit), point source / stationary use

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes

Basis of collection or reporting: Mandatory

Year data collection began: n/a **Most recent year:** 2002

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive with tape back-up

Database management system software: Oracle/Sybase

Description: Manages and tracks the status of permits and permit applications, production activities, and data relative to compliance of sources. Also manages information regarding permitted and non-permitted point sources of contamination of the six criteria pollutants.

Contact: Brian Fields, AQ Information Systems Specialist

503-229-5810

fields.brian@deq.state.or.us

Environmental Data

42. All DEQ Production Databases (Except LASAR)

Agency: Department of Environmental Quality

Type(s) of data collected: Environmental data / contaminants, ongoing ambient monitoring, research, emergency response, emission monitoring (regulatory and permit), stationary / point source,

Current record number: several million

Records collected annually: n/a

Routinely validated: Yes (Procedures vary by application. Scientific data is subject to formal QA, while administrative databases are reviewed by program staff)

Basis of collection or reporting: Mandatory

Year data collection began: 1980 **Most recent year:** 1994

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: Oracle/Sybase, GIS programs, SQL server

Description: The databases supported by DEQ generally are designed to provide the information necessary to track and manage the execution of environmental protective and regulatory programs. They generally provide information on what "interests" DEQ may have in a facility--that is what is going on there (or formerly happened there) of environmental concern. In addition, they hold administrative details, such as inspection schedules and results, permit renewals, fees and fee collection information, and contact information for both program management and legal purposes. Finally, these databases provide information about the pollutants or potential pollutants that are stored, used, or discharged from the facility, or may be present as contamination at a facility.

These databases were all primarily designed to meet the needs of program administration, including mandatory reporting to EPA for some delegated federal programs. However, all the data is a matter of public record, and can be a valuable source of information to the general public, consultants, developers, and others. Public access tools for a number of DEQ databases may be found at

[source: <http://www.deq.state.or.us/news/databases.htm>]

Contact: Mitch West, Business Systems Development Manager

503-229-6295

west.mitch@deq.state.or.us

Environmental Data

43. Discharge Monitoring System (DMS)

Agency: Department of Environmental Quality, Water Quality Division

Type(s) of data collected: Environmental contaminants, emissions monitoring (permit), stationary or point source, surface and groundwater, demographics

Current record number: 0

Records collected annually: n/a

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 2004 **Most recent year:** present

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive, magnetic tape

Database management system software: SQL server

Description: A newly created data system that houses the Source Information System data (SIS) and discharge information from the Discharge Monitoring Reports (reports submitted to the State on paper).

Contact: Holly Schroeder, Surface Water Manager

503-229-6785

Schroeder.holly@deq.state.or.us

Environmental Data

44. Drinking Water Protection (DWP)

Agency: Department of Environmental Quality, Water Quality Division

Type(s) of data collected: Environmental contaminants, surface and ground water, stationary or point sources

Current record number: 11,000

Records collected annually: 3,000

Routinely validated: Yes (Prior to report completions, several times per month)

Basis of collection or reporting: Mandatory

Year data collection began: 1998 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: CD-ROM, Floppy Disk, Hard drive, Magnetic tape

Database management system software: MS Access, Excel or other spreadsheet, GIS programs, SQL server

Description: As mandated by the 1996 amendments to the Safe Drinking Water Act, states agencies must conduct "source water assessments" for every public water system. This means that DEQ and DHS must delineate the ground and surface water source areas which supply the public water systems, inventory each of those areas to determine potential sources of contamination, and determine the most susceptible areas at risk for contamination. DHS is responsible for conducting the groundwater delineations, while DEQ is responsible for the surface water delineations. This database holds data from the surface water delineations and inventories.

[source: <http://www.deq.state.or.us/wq/dwp/DWPIntro.htm>]

Contact: Sheree Stewart, Drinking Water Protection Coordinator

503-229-5413

stewart.sheree@deq.state.or.us

Environmental Data

45. Emergency Response Information System (ERIS)

Agency: Department of Environmental Quality, Emergency Response

Type(s) of data collected: Environmental contaminants, emergency/accidental spill response, location, stationary or point source

Current record number: ~9,600

Records collected annually: ~1,200

Routinely validated: Yes (Routine QA reports and spot checks)

Basis of collection or reporting: Mandatory

Year data collection began: 1996 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: SQL server

Description: A DEQ tracking system for spills of any amount to water and spills above the RQ to land. It has the initial reported information from OERA and many times this information is not field verified. For larger incidents, DEQ staff will respond and the ERIS information is more complete and accurate. DEQ uses ERIS data as an historical record and to retrieve specific information as needed for doing business with public and governmental agencies. Due to the “draft” nature of much of the information, ERIS db is not available publicly. The information includes: time, date, place, material spilled, spill quantity, release description, and some follow-up information.

[source: <http://www.deq.state.or.us/wmc/cleanup/factsheets/EmergencyResponseRole.pdf>]

Contact: Mary Lou Perry, Program Coordinator

503-229-5731

Perry.Marylou@deq.state.or.us

Environmental Data

46. Groundwater Quality

Agency: Department of Environmental Quality

Type(s) of data collected: Environmental contaminants

Current record number: n/a

Records collected annually: n/a

Routinely validated: n/a

Basis of collection or reporting: Mandatory

Year data collection began: 1970 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Floppy disk

Database management system software: n/a

Description: Ambient groundwater quality studies conducted over the past 20 years along with routine monitoring data from public water supplies are maintained in this database.

Contact: Karla Urbanowicz, DEQ Groundwater Coordinator

503-229-6099

urbanowicz.karla@deq.state.or.us

Environmental Data

47. Hazwaste.net

Agency: Department of Environmental Quality

Type(s) of data collected:

Current record number:

Records collected annually:

Routinely validated:

Basis of collection or reporting: Mandatory

Year data collection began: 1991 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media:

Database management system software:

Description: Every year hazardous waste generators are required to verify their status and submit information on the hazardous waste they have generated. All facilities that receive hazardous waste from off-site for treatment, storage, disposal, or recycling must report information about the waste they receive each year via this electronic database.

[source: <http://www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm>]

Contact: Chris Pickens, Site Coordinator

503-229-6352

Pickens.chris@deq.state.or.us

Environmental Data

48. Household Hazardous Waste Annual Report

Agency: Department of Environmental Quality, Solid Waste

Type(s) of data collected: Environmental contaminants,

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes

Basis of collection or reporting: Mandatory

Year data collection began: 1991 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Local areas (cities change every year)

Data are geographically coded: No

Database media: Hard drive

Database management system software: Excel or other spreadsheet

Description: The Annual Report is a summary of data for all DEQ-sponsored Household Hazardous Waste/CEG Collection Events for the year. It also included cumulative data for all past years. Types of data included are number of participants, amount of waste collected, costs, types, etc.

Contact: Maggie Conley, Household Hazardous Waste Coordinator

503-229-5106

conley.Maggie@deq.state.or.us

Environmental Data

49. La Pine Project Database

Agency: Department of Environmental Quality, Water Quality

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, research, targeted area, dispersion modeling, groundwater, wastewater, treated wastewater sampling, demographics

Current record number: 5,000

Records collected annually: varies

Routinely validated: Yes (Data entry is largely automatic from the lab. Data entry is crosschecked for accuracy against printed lab reports)

Basis of collection or reporting: Mandatory

Year data collection began: 1999 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Local areas (South Deschutes County)

Data are geographically coded: Yes

Database media: CD-ROM, Hard drive

Database management system software: MS Access, SQL server

Description: DEQ and Deschutes County demonstration project to protect groundwater quality in Southern Deschutes County. The project anticipates to reduce nitrates from septic systems and pollution to groundwater, especially the shallow aquifer common to the area around La Pine.

[source: <http://www.deq.state.or.us/wq/onsite/LaPineGW.htm>]

Contact: Barbara Rich, La Pine Project Coordinator

541-617-4713

Rich.Barbara@deq.state.or.us

Environmental data

50. Laboratory Analytical Storage and Retrieval (LASAR)

Agency: Department of Environmental Quality, Laboratory

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, permit, targeted area, emergency response, demographics, water / air / soil / sediment / foliage media, stationary or point source

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes (Each result entered into the database is validated by a lead person, section manager and the Quality Assurance. Each batch of data is then verified in the database and locked against further edit)

Basis of collection or reporting: Voluntary

Year data collection began: 1949 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: SQL server

Description: A database containing the air and water quality monitoring data from the DEQ. The air quality data from air monitoring and sampling sites include both routine ambient air monitoring and special toxics studies. LASAR contains air data from 35 statewide monitors and 12 monitors in the Portland metro area. Monitors continuously collect data that is reported as an hourly average (24 values per day) and also stores data from single 24-hour samples. All water quality monitoring data are stored in LASAR.

[source: <http://www.deq.state.or.us/wq/lasar/LasarHome.htm>]

Contact: Daniel Hickman, Technical Services Manager

503-229-5983

hickman.dan@deq.state.or.us

Environmental Data

51. Leaking Underground Storage Tanks (LUST)/OTIS

Agency: Department of Environmental Quality, Underground Tanks

Type(s) of data collected: Environmental contaminants, emergency response, demographics, soil / surface / ground water media, stationary or point source

Current record number: 25,000

Records collected annually: 200

Routinely validated: Yes (Updated as it is used)

Basis of collection or reporting: Mandatory

Year data collection began: 1986 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: Oracle/Sybase, SQL server

Description: This database is a listing of all sites with reported releases of petroleum products from regulated underground storage tanks (USTs), unregulated USTs, and home heating oil tanks.

[source: <http://www.deq.state.or.us/wmc/tank/lustlist.htm>]

Contact: Andree Pollock, Manager, UST Cleanup and Compliance

503-229-5474

Pollock.andree@deq.state.or.us

Environmental Data

52. Oregon Pollutant Assessment Library (OPAL)

Agency: Department of Environmental Quality, Air Quality Division

Type(s) of data collected: Environmental contaminants, regulatory emission monitoring, demographics, stationary or point source

Current record number: 500,000

Records collected annually: 200,000

Routinely validated: Yes (Emissions estimates are QA/QC'd for both manually and mechanically at the time of input. They are validated by EPA at the time of intergration into the NEI and for use in modeling ambient concentrations and exposures)

Basis of collection or reporting: Mandatory

Year data collection began: 1996 **Most recent year:** 1999

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: Oracle/Sybase, SQL server

Description: A program that brings together air quality data from various programs, including hazardous air pollutants (HAPs) from major and minor point sources and emission estimates (criteria and HAPs) from area and mobile sources.

Contact: Jeffrey G. Stocum, Emission Inventory Specialist

503-229-5506

stocum.Jeffrey@deq.state.or.us

Environmental Data

53. Pacific Northwest Water Quality Data Exchange

Agency: Department of Environmental Quality, Water Quality

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, research, emergency response, regulatory and permit emission monitoring, demographics, stationary or point source, water/soil/biologic media

Current record number: 0

Records collected annually: unknown

Routinely validated: Yes (Depends on policies and procedures of data providers)

Basis of collection or reporting: Voluntary

Year data collection began: 1949 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Regional (EPA Region 10)

Data are geographically coded: Yes (GIS software, topomaps, GPS tools)

Database media: Hard drive, Magnetic tape, other(depending on provider)

Database management system software: SQL server

Description: EPA Region 10 states received a 2002 EPA Network Challenge Grant to implement this project. The goals of the project include providing a one-stop access to Pacific Northwest water quality monitoring data while following EPA National Exchange Network guidelines. Currently, the data exchange templates, schema, and data flow model are finalized and the Idaho, Oregon and Washington network nodes and host database are operational. Additionally, the demonstration data access tool is functional.

[source: http://www.complianceconsortium.org/Events/MEI_Forum_June_04_Boston/WestMEI04.pdf]

Contact: Curtis Cude, Water Quality Data Exchange Specialist

503-229-6086

cude.curtis@deq.state.or.us

Environmental Data

54. Solid Waste Composition Study Data

Agency: Department of Environmental Quality, Solid Waste

Type(s) of data collected: Environmental contaminants, research, solid waste disposal, demographics

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes (Many quality-control checks are run to ensure entered data is reasonable and self-consistent)

Basis of collection or reporting: Mandatory

Year data collection began: 1993 **Most recent year:** 2002

Data collection is ongoing: No

Geographic coverage: Statewide

Data are geographically coded: n/a

Database media: Hard drive

Database management system software: MS Access

Description: The solid waste composition study is conducted every 2-4 years to determine the quantity and composition of disposed solid waste that were generated in Oregon. The study collects representative samples of different waste streams being disposed and then sorting those samples into many different categories and weighing each category. The types of waste streams sampled are defined by geography, season, and by the way the waste arrives at the disposal site (route trucks, drop boxes, self-haul, residue from mixed waste processing facilities). The data for each study are analyzed and published in a report, which compares current results to previous studies.

[source: <http://www.deq.state.or.us/wmc/solwaste/wcrep/wccr2002.htm>]

Contact: Pete Spendelow

503-229-5253

spendelow.peter@deq.state.or.us

Environmental Data

55. Solid Waste Information & Facility Tracking (SWIFT) Database

Agency: Department of Environmental Quality, Solid Waste

Type(s) of data collected: Environmental contaminants, groundwater media, summary measurement data, demographics

Current record number: 500

Records collected annually: 10 new, 490 updated

Routinely validated: Yes (starting in June, 2004)

Basis of collection or reporting: Mandatory

Year data collection began: 1988 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive w/ magnetic tape backup

Database management system software: MS Access, SQL server

Description: The swift database contains information about solid waste facilities and solid waste permits issued by DEQ. Facility information includes name, owner, location, and date which the facility opened. Permit information is extensive. It includes class (municipal, industrial, etc.), type (landfill, transfer station, etc.), and status of the permit (active, closure, terminated, etc.), responsible parties (operator name, address, invoice, permittee), and information on financial assurance, inspections, permit violations, waste received, environmental monitoring, and any releases from the facility.

Contact: Judith A. Henderson, Project Coordinator

503-229-5521

Henderson.Judith.a@deq.state.or.us

Environmental Data

56. Source Information System (SIS)

Agency: Department of Environmental Quality, Water Quality Division

Type(s) of data collected: Environmental contaminants, demographics

Current record number: 4,500

Records collected annually: 500

Routinely validated: Yes (on individual basis)

Basis of collection or reporting: Mandatory

Year data collection began: 1992 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: SQL server

Description: The on-line Source Information System (SIS) database tracks information on National Pollutant Discharge Elimination System (NPDES) and Water Pollution Control Facility (WPCF) permits. Updated daily, the SIS database collects information about the facility (including major and minor facilities), permit characteristics, and partial discharge limitations. Variables contained in the on-line SIS include: Legal Name, Common Name, Street Address, City, Zip Code, County, DEQ Region, Primary SIC Code, Facility Type Description, Latitude, Longitude, Permit Type, Permit Description, Category, Class, Start Date, Expiration Date, Active Permit, UIC Facility, Administrative Agent, Last Action Description, Next Inspection Date, Permit Writer, Compliance Inspector, Permit Application, Permit Type (i. e. NPDES), and Permit Industry Description.

[source: <http://www.deq.state.or.us/wq/SISData/FacilityHomenew.asp>]

Contact: Art Knight, Systems Analyst

503-229-5795

Knight.Art@deq.state.or.us

Environmental Data

57. Southern Willamette Valley Groundwater

Agency: Department of Environmental Quality, Western Region

Type(s) of data collection: Environmental contaminants, ongoing ambient monitoring, research, demographics, groundwater media

Current record number: ~570

Records collected annually: n/a

Routinely validated: Yes (Two data validations done when data entered, one by DEQ lab, the other by the DEQ data manager)

Basis of collection or reporting: Voluntary

Year data collection began: n/a **Most recent year:** n/a

Data collection is ongoing: No

Geographic coverage: Local (Southern Willamette Valley)

Data are geographically coded: No

Database media: CD-ROM, Hard drive, Magnetic tape

Database management system software: MS Access, Excel or other spreadsheet

Description: The Southern Willamette Valley was declared a Groundwater Management Area (GWMA) by DEQ in May of 2004. In Oregon, DEQ is required to declare a GWMA if widespread nitrate contamination from suspected non-point source pollution is confirmed in groundwater at levels greater than 7 ppm. This database contains the sampling data used to establish the area as a GWMA.

[source: <http://groundwater.oregonstate.edu/willamette/background.htm>]

Contact: Mary Camarata, Data Manager

541-686-7838

camarata.mary@deq.state.or.us

Environmental Data

58. Underground Injection

Agency: Department of Environmental Quality, Water Quality

Type(s) of data collected: Environmental contaminants, demographics, groundwater and sediment media, summary measurement data

Current record number: 42,000

Records collected annually: 2,000

Routinely validated: Yes (Once a year review and updates)

Basis of collection or reporting: Mandatory

Year data collection began: 1984 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive, other

Database management system software: MS Access

Description: DEQ's Underground Injection Control Program is authorized by the Environmental Protection Agency (EPA) to regulate all underground injection in Oregon. An underground injection is any system, structure or activity that is created to place fluid below the ground or sub-surface. This database contains an inventory of all underground injection systems in Oregon.

Contact: Rita Romans, WQ IS Coordinator

503-229-5788

romas.rita@deq.state.or.us

Environmental Data

59. Forest Activities Computer Tracking System (FACTS) – ODF

Agency: Oregon Department of Forestry

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, targeted area, demographics, stationary or point source, area uses

Current record number: 267,672

Records collected annually: 20,000

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 1990 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive

Database management system software: MS Access, Paradox 4.5

Description: A database containing information on all notifications of operations submitted to ODF. This information includes names and addresses of the listed operator, landowner, and timber owner, declared size of each operation unit and types of activities, legal description for the location of each unit, and special conditions that may exist.

[source: http://www.odf.state.or.us/divisions/protection/forest_practices/facts]

Contact: Dave Degenhardt, Forest Practices Field Coordinator

503-945-7473

ddegenhard@odf.state.or.us

Environmental Data

60. Oregon Mercury in Fish

Agency: Department of Human Services – Office of Public Health Systems

Type(s) of data collected: Environmental contaminants,

Current record number: unknown

Records collected annually: 10

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 1969 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: CD-ROM, Hard drive

Database management system software: Excel or other spreadsheet

Description: This database is a repository for data on mercury levels in fish throughout Oregon. The data come from a variety of agencies, sources and studies. An average of 10 records are collected each year from various regions of the state.

Contact: Dave Stone, Public Health Toxicologist

503-731-4012

Dave.Stone@state.or.us

Environmental Data

61. Safe Drinking Water Information System (SDWIS)

Agency: Department of Human Services, Drinking Water

Type(s) of data collected: Environmental contaminants, regulatory emission monitoring, demographics, drinking water media

Current record number: 1,000,000

Records collected annually: 75,000

Routinely validated: Yes (routine error checking)

Basis of collection or reporting: Mandatory

Year data collection began: 1988 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive

Database management system software: SQL Server

Description: This DHS database contains information on the public water systems in Oregon. Basic system information is maintained and includes information on population, contact person's name and phone number, county served, number of connections, sources of water used and Consumer Confidence reports. Data also include coliform testing, chemical testing, nitrate results, and lead and copper testing. Contact reports, rule violations, and public notices are also included in the system.

[source: <http://170.104.158.16/search.htm>]

Contact: Mary Alvey, Manager, Monitoring & Compliance Unit

503-731-4381

mary.b.alvey@state.or.us

Environmental Data

62. National Water Information System (NWIS)

Agency: United States Geological Survey (USGS)

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, research, dispersion modeling, latitude and longitude, surface and ground water media, sediment

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes

Basis of collection or reporting: Mandatory

Year data collection began: 1975 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: proprietary

Description: Provides real-time and historic stream-flow data on the web for the United States. Data are available for surface water, groundwater, water quality, and an inventory of site information, providing access to information about sites at stream reaches, wells, test holes, springs, tunnels, drains, lakes, reservoirs, ponds, excavations, and water-use facilities. Data are transmitted by modem or satellite once every 4 hours and is processed automatically by USGS offices and made available within minutes.

[source: <http://water.usgs.gov/pubs/fs/fs-128-02/>]

Contact: Jo Miller, Information Officer

503-251-3201

sjmiller@usgs.gov

Environmental Data

63. National Water Quality Assessment Data Warehouse (NAWQA)

Agency: United States Geological Survey (USGS)

Type(s) of data collected: Environmental contaminants

Current record number: n/a

Records collected annually: n/a

Routinely validated: n/a

Basis of collection or reporting: n/a

Year data collection began: n/a **Most recent year:** n/a

Data collection is ongoing: n/a

Geographic coverage: statewide

Data are geographically coded: n/a

Database media: n/a

Database management system software: n/a

Description: The NAWQA program is a national effort to develop long-term consistent and comparable information on streams, ground water, and aquatic ecosystems to support sound management and policy decisions across the country. In Oregon, NAWQA assesses the quality of streams and ground water in the Willamette and Sandy River Basins. These data are stored in the NAWQA database and are available on-line.

[source: <http://water.usgs.gov/nawqa/>]

Contact: Frank A. Rinella III, Hydrologist

503-251-3277

frinella@usgs.gov

Environmental Data

64. Oregon District National Water Information System

Agency: United States Geological Survey

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, research, demographics, surface and ground water, sediment, and fish tissue

Current record number: 50,000

Records collected annually: 1,000

Routinely validated: Yes (validated by project chiefs)

Basis of collection or reporting: Mandatory

Year data collection began: 1970 **Most recent year:** 2003

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: Hard drive

Database management system software: MS Access, Excel or other spreadsheet, statistical software, oracle/Sybase, GIS programs, PSTAT

Description: Provides real-time and historic stream-flow data on the web for Oregon. Data are available for surface water, groundwater, water quality, and an inventory of site information, providing access to information about sites at stream reaches, wells, test holes, springs, tunnels, drains, lakes, reservoirs, ponds, excavations, and water-use facilities. Data are transmitted by modem or satellite once every 4 hours and is processed automatically by USGS offices and made available within minutes.

[source: <http://water.usgs.gov/pubs/fs/fs-128-02/>]

Contact: Joe Rinella, Supervisory Hydrologist

503-251-3278

jrinella@usgs.gov

Environmental Data

65. Toxics Release Inventory Reporting

Agency: Oregon State Fire Marshal

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, research, demographics,

Current record number: 1,000

Records collected annually: 270

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: n/a **Most recent year:** 2001

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Floppy disk, Hard drive

Database management system software: MS Access

Description: A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups and federal facilities.

[source: <http://www.eap.gov/tri/whatis.htm>]

Contact: Mariana Ruiz-Temple, Hazmat Information Manager

503-373-1540

mariana.ruiz-temple@state.or.us

Environmental Data

66. Oregon Pesticides and Groundwater Database

Agency: Oregon State University – Environmental and Molecular Toxicology

Type(s) of data collected:

Current record number: >1,000

Records collected annually: unknown

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 1984 **Most recent year:** 1996

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: CD-ROM, Hard drive

Database management system software: MS Access, Excel or other spreadsheet

Description: More information needed.

Contact: Jeffrey Jenkins, Professor

541-737-5993

jenkinsj@ace.orst.edu

Environmental Data

67. Toxic Release Inventory (TRI)

Agency: Environmental Protection Agency

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, research, regulatory and permit emission monitoring, demographics, air/soil/water media, stationary or point source, stack, fugitive

Current record number: 1,500,000

Records collected annually: 100,000

Routinely validated: Yes (Extensive Data Quality testing is performed within the TRI program during a normal processing cycle. Facilities use TRI-ME data collection and submission software. Validation tests occur at point of entry and at data processing center)

Basis of collection or reporting: Mandatory

Year data collection began: 1987 **Most recent year:** 2002

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes

Database media: CD-ROM, Hard drive, Magnetic tape

Database management system software: Oracle/Sybase

Description: A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups and federal facilities.

[source: <http://www.epa.gov/tri/whatis.htm>]

Contact: Tim Antisdel, Database Administrator/Technical Advisor

202-566-0733

antisdel.timothy@epa.gov

Environmental Data

68. Fertilizer Samples

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Environmental contaminants, research, demographics,

Current record number: 1660

Records collected annually: 70

Routinely validated: Yes (6 month random review)

Basis of collection or reporting: Mandatory

Year data collection began: 1980 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive

Database management system software: FileMaker

Description: Contains analytical results of fertilizer, agricultural mineral, agricultural amendment, and lime products sampled from 1981 forward. Contains data on the levels of As, Cd, Hg, Ni, and Pb for samples analyzed after mid-2003. Information is available to the public.

[source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Christopher Kirby, Administrator, Pesticides Division

503-986-4638

ckirby@oda.state.or.us

Environmental Data

69. Fertilizer Tonnage A

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Environmental contaminants, research, demographics,

Current record number: 2280

Records collected annually: 700

Routinely validated: Yes (6 month random review)

Basis of collection or reporting: Mandatory

Year data collection began: 2002 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive

Database management system software: FileMaker

Description: Contains tonnage of various fertilizer, agricultural mineral, agricultural amendment, and lime products sold into Oregon from 1/1/2002 forward. Contains Confidential Business Information (CBI). Some data is not available to the public.

[source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Christopher Kirby, Administrator, Pesticides Division

503-986-4638

ckirby@oda.state.or.us

Environmental Data

70. Fertilizer Tonnage B

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Environmental contaminants, research, demographics,

Current record number: 2100

Records collected annually: 400

Routinely validated: Yes (6 month random review)

Basis of collection or reporting: Mandatory

Year data collection began: 2002 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive

Database management system software: FileMaker

Description: Contains amounts of inspection fees paid by fertilizer, agricultural mineral, agricultural amendment, and lime registrants from 1/1/2002 forward. Contains Confidential Business Information (CBI). Data is not available to the public.

[source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Christopher Kirby, Administrator, Pesticides Division

503-986-4638

ckirby@oda.state.or.us

Environmental Data

71. La Pine National Demonstration Project Database

Agency: Oregon Department of Environmental Quality – Water Quality Division,
Land Application and Licensing

Type(s) of data collected: Environmental contaminants, ongoing ambient
monitoring, research, permit emission monitoring, demographics, groundwater
and onsite wastewater effluent

Current record number: 5787

Records collected annually: 1000

Routinely validated: Yes (Analytical QA/QC by DEQ lab and data entry cross
check against lab reports)

Basis of collection or reporting: Mandatory

Year data collection began: 1999 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Local (south Deschutes county)

Data are geographically coded: Yes (GPS tools)

Database media: CD-ROM, Magnetic tape

Database management system software: MS Access

Description: More information needed

Contact: Janice Leber, Office Specialist

503-229-5189

Leber.Janice@deq.state.or.us

Environmental Data

72. Lab Services – Laboratory Information Management System (LIMS)

Agency: Oregon Department of Agriculture – Lab Services

Type(s) of data collected: Environmental contaminants, ongoing ambient monitoring, targeted area, demographics, surface and groundwater, soil, foliage

Current record number: 141,107

Records collected annually: ~6,700

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: 1990 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: Hard drive, Magnetic tape

Database management system software: NWA LIMS

Description: More information needed

Contact: Kathleen Wickman, Laboratory Manager

503-872-6633

kwickman@oda.state.or.us

Environmental Data

73. Portland Harbor Superfund Investigation

Agency: Environmental Protection Agency/DEQ/Lower Willamette Group

Type(s) of data collected: Environmental contamination, targeted area, sampling logistics, latitude and longitude, surface and ground water, sediment, stationary or point source

Current record number: n/a

Records collected annually: n/a

Routinely validated: Yes (Superfund investigation mandates EPA validation of data & detailed QA/QC in all phases of collection, analysis)

Basis of collection or reporting: Voluntary

Year data collection began: 2001 **Most recent year:** current

Data collection is ongoing: Yes

Geographic coverage: Local (Willamette River RM 2.0 to 10.0)

Data are geographically coded: Yes (GPS tools)

Database media: CD-ROM, Hard drive

Database management system software: n/a

Description: NOAA Fisheries has created a publicly accessible database of toxic chemical information from Portland Harbor, integrating data from state, federal, city and private sources. There is a robust database of toxic chemical sampling data in fish tissue, sediments and water that has been collected as part of the CERCLA RI/FS process for Portland Harbor. Most of the pertinent data have been incorporated into a publicly available database created and maintained by NOAA fisheries

[source: <http://response.restoration.noaa.gov/cpr/watershed/watershedtools.html#qm>]

Contact: Jordan Palmeri, Technical Support Specialist

503-229-6932

Palmeri.Jordan@deq.state.or.us

Environmental Data

74. Asbestos Data System (ASB.NET)

Agency: Oregon Department of Environmental Quality

Type(s) of data collected: Environmental contaminants, emissions estimates, demographics, permit/notification, indoor air quality, building materials media

Current record number: 70,000

Records collected annually: 3,000

Routinely validated: Yes (Business rules embedded in data entry screens perform validation)

Basis of collection or reporting: Mandatory

Year data collection began: 1988 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Regional (All Oregon counties except Lane, which is administered by Lane Regional Air Pollution Authority)

Data are geographically coded: Yes (GIS software)

Database media: n/a

Database management system software: SQL/Server

Description: More information needed

Contact: Kevin McCrann, Asbestos Specialist

503-229-5473

mccrann.Kevin@deq.state.or.us

Environmental Data

75. Phoenix

Agency: DHS – Health Services – Food, Pool & Lodging Health and Safety

Type(s) of data collected: Food service inspections, demographics, swimming pool inspections

Current record number: 40,000

Records collected annually: 10,000

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 1996 **Most recent year:** current

Data collection is ongoing: Yes

Geographic coverage: Statewide (except 3 counties)

Data are geographically coded: Yes (by county)

Database media: Hard drive, backed by network server

Database management system software: MS Access

Description: The phoenix program is Access-based inspection software that performs the functions of licensing, inspection and scheduling for the licensed facility programs at the county level. County personnel performs inspection on laptops in the field and transfers data to their county Access database. At the state level, a statewide database is maintained that compiles all the individual county information. The state Food, Pool and Lodging Health and Safety Section and OIS provide free consultation and support of the software.

Contact: Erica Buckner, Food Program Specialist

503-731-4012

Erica.Buckner@state.or.us

Environmental Data

76. Arrow Allergy Network

Agency: Allergy Asthma Association – National Allergy Bureau

Type(s) of data collected: Sampling demographics, research, public education

Current record number: ~2,650 (3X per week since 1988)

Records collected annually: ~160

Routinely validated: Yes

Basis of collection or reporting: Voluntary

Year data collection began: 1988 **Most recent year:** current

Data collection is ongoing: Yes

Geographic coverage: Local

Data are geographically coded: No

Database media: Hard drive

Database management system software: n/a

Description: More information needed

[source: <http://www.aaaai.org/>]

Contact: Colleen Bennette, Registered Nurse

cmbonnette@comcast.net

Environmental Data

77. Confined Animal Feeding Operations (CAFO)

Agency: Oregon Department of Agriculture – Natural Resources

Type(s) of data collected: Environmental agents uses/production estimates, demographics, surface and ground water, soil

Current record number: 4,440

Records collected annually: 50-100

Routinely validated: Yes (Database manager and inspectors check data entries)

Basis of collection or reporting: Mandatory

Year data collection began: 1994 **Most recent year:** current

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes (GPS tools)

Database media: CD-ROM, Hard drive, magnetic tape

Database management system software: Excel or other spreadsheet, GIS programs, SQL/Server

Description: The CAFO (Confined Animal Feeding Operations) permit program was developed to assist operators and producers with managing their waste so as not to contaminate ground or surface water. Since the early 1980s CAFOs have been registered to a general Water Pollution Control Facility (WPCF) permit designed to protect water quality while allowing the operators and producers to remain economically viable. It is recognized that a properly maintained CAFO is protective of ground and surface water.

Contact: Al Youse, Data Analyst

503-986-4708

ayouse@oda.state.or.us

Environmental Data

78. Shellfish Baywaters Database

Agency: Oregon Department of Agriculture

Type(s) of data collected: Environmental shellfish contaminants, baywater analysis, ongoing ambient monitoring, demographics, latitude and longitude

Current record number: 10,000+

Records collected annually: 960

Routinely validated: No

Basis of collection or reporting: Mandatory

Year data collection began: 1993 **Most recent year:** current

Data collection is ongoing: Yes

Geographic coverage: Regional (Oregon coast)

Data are geographically coded: Yes (GIS software, Topomaps, GPS tools)

Database media: Hard drive

Database management system software: GIS programs, SQL/Server, File Maker Pro

Description: More information needed

Contact: Deb Cannon, Shellfish specialist

503-986-4720

dcannon@oda.state.or.us

Additional Categories

79. Pesticide Licensing

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Environmental contaminants, licensing demographics

Current record number: 13,000

Records collected annually: 9,000

Routinely validated: Yes (investigations to verify addresses)

Basis of collection or reporting: Mandatory

Year data collection began: 1953 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes (address)

Database media: n/a

Database management system software: n/a

Description: [source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Chris Kirby, Administrator, Pesticides Division

503-986-4638

ckirby@oda.state.or.us

Additional Categories

80. Pesticide Complaints

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Environmental contaminants, demographics

Current record number: ~4,500

Records collected annually: ~350

Routinely validated: No

Basis of collection or reporting: Voluntary

Year data collection began: n/a **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: n/a

Database management system software: n/a

Description: [source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Dale L. Mitchell, Assistant Administrator, Pesticides Division

503-986-4646

dmitchel@oda.state.or.us

Additional Categories

81. Pesticide Enforcement Actions

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Environmental contaminants, demographics

Current record number: 1,200

Records collected annually: 350

Routinely validated: Yes (Investigation Case Review Board)

Basis of collection or reporting: Mandatory

Year data collection began: n/a **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: n/a

Database management system software: n/a

Description: [source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Dale L. Mitchell, Assistant Administrator, Pesticides Division

503-986-4646

dmitchel@oda.state.or.us

Additional Categories

82. Pesticide Investigations

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Environmental contaminants, demographics

Current record number: 6,800

Records collected annually: 450

Routinely validated: Yes (Investigative Case Review Board)

Basis of collection or reporting: Mandatory

Year data collection began: n/a **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: n/a

Database management system software: n/a

Description: [source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Dale L. Mitchell, Assistant Administrator, Pesticides Division

503-986-4646

dmitchel@oda.state.or.us

Additional Categories

83. Pesticide Product Registration

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Demographics

Current record number: ~10,000

Records collected annually: ~10,000

Routinely validated: Yes (Registration includes validation)

Basis of collection or reporting: Mandatory

Year data collection began: n/a **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: n/a

Database management system software: n/a

Description: [source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Christopher Kirby, Administrator, Pesticide Division

503-986-4638

ckirby@oda.state.or.us

Additional Categories

84. Fertilizer Product Registration

Agency: Oregon Department of Agriculture – Pesticide Division

Type(s) of data collected: Environmental contaminants, demographics

Current record number: ~3,750

Records collected annually: ~3,750

Routinely validated: Yes (Investigations, including product sampling analysis, provide some validation)

Basis of collection or reporting: Mandatory

Year data collection began: 2002 **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: No

Database media: n/a

Database management system software: n/a

Description: [source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: Christopher Kirby, Administrator, Pesticide Division

503-986-4638

ckirby@oda.state.or.us

Additional Categories

85. Agriculture Information Systems

Agency: Oregon Department of Agriculture – Smoke Management Program

Type(s) of data collected: Environmental contaminants, demographics, emissions monitoring

Current record number: 1,200

Records collected annually: 250

Routinely validated: Yes (Data entered via reports from field agents)

Basis of collection or reporting: Mandatory

Year data collection began: 1996 **Most recent year:** 2004

Data collection is ongoing: No

Geographic coverage: Regional (Willamette Valley, Marion, Linn, Benton, Polk, Lane, and Clackamas counties)

Data are geographically coded: Yes (GIS coordinates, aerial photographs, addresses)

Database media: n/a

Database management system software: n/a

Description: The ODA Smoke Management Program regulates field burning in the Willamette Valley. Grass seed and cereal grain stubble is burned after harvest to control weeds, pests, disease, meet seed quality standards and stimulate plant production. The AIS database manages field burning registrations, the number of fields burned by grower, fire district, and crop variety. It also manages the costs and charges assessed to growers associated with field burning.

[source: <http://oda.state.or.us/dbs/search.lasso>]

Contact: John Byers, Program Coordinator

503-986-4718

jbyers@oda.state.or.us

Additional Categories

86. Measurement Standards Division Database

Agency: Oregon Department of Agriculture – Measurement Standards Division

Type(s) of data collected: n/a

Current record number: 11,675

Records collected annually: n/a

Routinely validated: Yes (Inspection at each location)

Basis of collection or reporting: Mandatory

Year data collection began: unknown **Most recent year:** 2004

Data collection is ongoing: Yes

Geographic coverage: Statewide

Data are geographically coded: Yes (location addresses)

Database media: n/a

Database management system software: n/a

Description: [source: <http://www.oda.state.or.us/dbs/licenses/search.lasso>]

Contact: Clark Cooney, Field Operations Manager

503-986-4677

ccooney@oda.state.or.us