

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Physical and Biological Setting of the Great Salt Lake.....	1
1.2	Contaminant Concerns on the Great Salt Lake	4
1.3	Need and Purpose for Study	5
2.0	STUDY OBJECTIVES, AREA AND DESIGN	6
2.1	Study Area.....	6
2.2	Sampling Rationale for GSL Wetlands Synoptic Survey (1996-1997).....	6
2.3	Follow-up Studies of Selected Areas (1998-2000).....	12
3.0	MATERIALS AND METHODS	13
3.1	Collection and Sampling Methods	13
3.2	Analytical Methods	15
3.3	Data Analysis	16
4.0	GREAT SALT LAKE WETLANDS SYNOPTIC SURVEY (1996-1997)	17
4.1	Sediments	17
4.2	Invertebrates	26
4.3	Fish.....	31
4.4	Avian Eggs	35
4.5	Fish Reproductive Biomarkers and PAHs in Bile.....	46
5.0	GREAT SALT LAKE OPEN WATER (GILBERT BAY) SURVEY (1996-2000)	56
5.1	Introduction	56
5.2	Trace Elements in Sediments- GSL Open Waters and South Shore Deltas.....	60
5.3	Trace Elements in Brine Shrimp and Brine Shrimp Cysts, GSL Open Waters.....	64
5.4	Trace Elements and Organochlorines in Livers of Eared Grebes.....	67
6.0	MERCURY IN TERNS AT FARMINGTON BAY WATERFOWL MANAGEMENT AREA (2000)	71
6.1	Introduction	71
6.2	Methods.....	71
6.3	Results and Discussion.....	72
7.0	CONTAMINANT ASSESSMENT OF SEDIMENTS IN THE NORTHWEST OIL DRAIN DELTA, FARMINGTON BAY, 2000	75
7.1	Introduction	75
7.2	Study Location and Methods.....	76
7.3	Results and Discussion.....	77
8.0	CONCLUSIONS AND MANAGEMENT RECOMMENDATIONS	86
8.1	Introduction	86
8.2	Areas and Constituents of Concern Identified in this Investigation.....	87
8.3	Areas with Little Evidence of Contaminants Exposure.....	91
8.4	Management Recommendations	92
9.0	LITERATURE CITED	93

APPENDICES (COMPLETE ANALYTICAL RESULTS)

APPENDIX A: Great Salt Lake Wetlands Synoptic Survey, 1997-2000

APPENDIX B: Great Salt Lake Open Waters and South Shore Deltas, 1997-2000

APPENDIX C: Mercury in Terns at Farmington Bay WMA, 2000

APPENDIX D: Northwest Oil Drain Delta Sediments, 2000

APPENDIX E: Polynuclear Aromatic Hydrocarbons in Barn Swallows at Ogden Bay WMA, and Bear River Migratory Bird Refuge, 1999

LIST OF APPENDICES, WITH TABLES

TABLE

APPENDIX A: Great Salt Lake Wetlands Synoptic Survey, 1997-2000

- A-1 Summary of Samples Collected by Site and by Year
- A-2 Trace Elements in Sediments
- A-3 Organic Chemicals in Sediments: Non-DDT and DDT Organochlorines, Polychlorinated Biphenyls (PCBs), Total Petroleum Hydrocarbons (TPH), and Dioxins/Furans
- A-4 Trace Elements in Macroinvertebrates
- A-5 Organic Chemicals in Invertebrates: Non-DDT and DDT Organochlorines and Polychlorinated Biphenyls (PCBs)
- A-6 Trace Elements in Fish from Freshwater Inflows
- A-7 Organic Chemicals in Fish: Non-DDT and DDT Organochlorines and Polychlorinated Biphenyls (PCBs)
- A-8 Trace Elements in Avian Eggs
- A-9 Organic Chemicals in Avian Eggs: Non-DDT and DDT Organochlorines and Polychlorinated Biphenyls (PCBs)
- A-10 Brain Acetylcholinesterase Activity in Common Carp (*Cyprinus carpio*) and Evaluation of Exposure to Carbamate ("Carb") and Organophosphate ("OP") Insecticides
- A-11 Brain Ethoxyresorufin-O-deethylase (EROD) Activity in Common Carp (*Cyprinus carpio*)
- A-12 Concentrations of 17 β -estradiol, 11-keto-testosterone, and vitellogenin in common carp (*Cyprinus carpio*) and reproductive status based on gonad histology.
- A-13 Polynuclear Aromatic Hydrocarbon (PAH) Metabolites in Bile from Common Carp (*Cyprinus carpio*)

APPENDIX B: Great Salt Lake Open Waters and South Shore Deltas, 1997 – 2000

- B-1 Concentrations of Trace Elements (parts per million, dry weight) in Sediments, Gilbert Bay (Great Salt Lake Open Waters)
- B-2 Concentrations of Trace Elements (parts per million, dry weight) in Sediments, Great Salt Lake South Shore Deltas
- B-3 Concentrations of elements (parts per million, dry weight) in brine shrimp and brine shrimp cysts
- B-4 Concentrations of elements (parts per million, dry weight) in Eared Grebe livers
- B-5 Chlorinated Organic Compounds (Organochlorine pesticides and herbicides including DDT isomers, and total PCBs) and Dioxins & Furans, in Eared Grebe Livers

APPENDIX C: Mercury in Terns at Farmington Bay Waterfowl Management Area, 2000

- C-1 Total mercury and methyl mercury (mg/kg) in eggs and chick carcasses of Forster's terns and great blue herons from the Crystal Unit

APPENDIX D: Contaminants in Sediments, Northwest Oil Drain Delta, 2000

- D-1 Concentrations of trace elements in sediments
- D-2 Total PCBs, DDT isomers, and Organochlorine (OC) Pesticide Residues in Sediments
- D-3 Non-alkylated Polynuclear Aromatic Hydrocarbons (PAHs) in Sediments
- D-4 Alkylated Polynuclear Aromatic Hydrocarbons (PAHs) in Sediments

APPENDIX E: Polynuclear Aromatic Hydrocarbons (PAHs) in Sediments, Macroinvertebrates and Barn Swallows (*Hirundo rustica*) at Ogden Bay Waterfowl Management Area and Bear River Migratory Bird Refuge (Reference Area), 1999

- E-1 Non-alkylated Polynuclear Aromatic Hydrocarbons (PAHs) in Sediments, Macroinvertebrates and Barn Swallow (*Hirundo rustica*) tissues
- E-2 Alkylated Polynuclear Aromatic Hydrocarbons (A-PAHs) in Sediments, Macroinvertebrates and Barn Swallow (*Hirundo rustica*) tissues

LIST OF TABLES IN THE REPORT

TABLE

Section 2: Study Objectives, Area and Design

2-1 Geographic Areas, Sample Site Designations and Location Codes for data collection sites in and around the Great Salt Lake..... 7

2-2 Summary of habitat types and potential contaminant issues at wetlands and open water sites included in the Great Salt Lake Contaminants Assessment, 1996-2000 9

Section 4: Great Salt Lake Wetlands Synoptic Survey, 1996-1997

4-1 Summary of analytical data tables contained in Appendix A 17

4-2 Summary of select trace elements (mg/kg, dry weight) in Great Salt Lake wetland sediments by geographic area 19

4-3 Maximum detected concentrations of DDT isomers and total DDT residues in sediments..... 22

4-4 Maximum detected concentrations of non-DDT organochlorine pesticide residues exceeding screening benchmarks in sediments (mg/kg, dw 23

4-5 Total petroleum hydrocarbons (TPH) > 1,000 mg/kg in sediments..... 26

4-6 Geometric mean and maximum detected concentrations of selected trace elements in invertebrates by geographic area..... 28

4-7 Comparison of total DDT residues in wetland invertebrates with calculated risk-based dietary thresholds for insectivorous birds 30

4-8 Summary of selected trace elements in whole body fish by geographic area..... 32

4-9 Summary of organochlorine residues in whole body fish 36

4-10 Numbers and species of avian eggs collected, 1996-1997..... 38

4-11 Summary of selected trace elements in avian eggsby geographic area..... 39

4-12 Geometric mean concentrations of 17β-estradiol and 11-keto-testosterone, arithmetic mean estrogen-to-testosterone ratios, arithmetic mean gonadosomatic index, and detection of vitellogenin in male common carp..... 47

4-13 Influence of sexual status on geometric mean concentrations of 17β-estradiol, 11-keto-testosterone, mean estrogen-to-testosterone ratio, vitellogenin, and mean gonadosomatic index in female common carp..... 49

4-14 Geometric mean concentrations of 17β-estradiol, and 11-keto-testosterone and arithmetic mean estrogen-to-testosterone ratio, vitellogenin concentration, and gonadosomatic index in female common carp..... 50

4-15 Mean concentrations of PAH metabolites in bile from common carp 52

4-16 Weight of Evidence Summary of biomarker responses in common carp 54

Section 5: Great Salt Lake Open Water (Gilbert Bay) Survey, 1996-2000

5-1 Media, numbers and constituents analyzed..... 59

5-2 Summary of selected trace elements in sediments, Great Salt Lake Open Waters (Gilbert Bay) compared to freshwater sediment screening benchmarks..... 61

5.3 Concentrations of trace elements in Sediments from South Shore “Deltas” Compared to Sediment Screening Benchmark Concentrations 63

5-4 Summary of selected trace elements in brine shrimp and brine shrimp cysts compared to avian dietary effect thresholds 65

5-5 Seasonal trends in concentrations of bioaccumulative metals in adult brine shrimp from the open waters of the Great Salt Lake (Gilbert Bay) 66

5-6 Summary of trace elements in livers of eared grebes compared to levels of concern..... 68

LIST OF TABLES (continued)

TABLE

Section 6: Mercury in Terns at Farmington Bay Waterfowl Management Area, 2000

- 6-1** Concentrations of mercury and methylmercury in eggs and nestlings of Forster's terns and great blue herons73

Section 7: Sediments in the Northwest Oil Drain "Delta", Farmington Bay, 2000

- 7-1** Summary of trace elements and exceedences of reference values in sediments of the Northwest Oil Drain Delta, 200078
- 7-2.** Summary of DDT isomer concentrations in sediments, Northwest Oil Drain Delta, 200081
- 7-3.** Concentrations of frequently detected chlorinated organic compounds in sediments compared with sediment screening benchmarks, Northwest Oil Drain Delta, 200082
- 7-4.** Geometric mean concentrations of non-alkylated PAHs in sediments, Northwest Oil Drain Delta, 2000.....83

LIST OF FIGURES IN THE REPORT

FIGURE

Section 1: Introduction

- 1-1 Geographic Features and Landmarks of the Great Salt Lake, Utah..... 2

Section 2: Study Objectives, Area and Design

- 2-1 Location of Sample Sites included in Great Salt Lake Wetland and Open Water
Contaminants Assessment, 1996-2000. 8

Section 4: Great Salt Lake Wetlands Synoptic Survey, 1996-1997

- 4-1 Concentrations of copper in wetland sediments by geographic area 20
 4-2 Maximum detected concentrations of total PCBs in sediments 24
 4-3 Copper in whole-body fish by geographic area 33
 4-4 Selenium in whole-body fish by geographic area 34
 4-5 Geometric mean concentrations of total PCBs and total DDTs in whole-body fish
tissues at sites and geographic locations around the Great Salt Lake 37
 4-6 Concentrations of copper in avian eggs by geographic area 40
 4-7 Selenium in avian eggs by geographic area 41
 4-8 Concentrations of mercury in avian eggs from individual sites within the Farmington
Bay South Area 42
 4-9 Zinc concentrations in three species, American coot (AMCO), American avocet
(AMAV) and black-necked stilt (BNST) from GSL Wetlands and other locations in
the western United States, 1991-2008..... 43
 4-10 Relative contribution of total PCBs, total DDTs, and other organochlorine (OC)
residues (mg/kg, ww) in avian eggs..... 44
 4-11 Total DDT residues (summed o,p'- and p,p'- isomers of DDD, DDE and DDT) in
avian eggs..... 45
 4-12 Mean concentrations of total PCBs and total DDTs in avian eggs by geographic area..... 45
 4-13 Ratio of 17 β -estradiol (E) to 11-ketotestosterone (T) in male common carp 48
 4-14 Concentrations of benzo(a)pyrene in bile from common carp..... 52
 4-15 Concentrations of naphthalene in bile from common carp 53
 4-16 Concentrations of phenanthrene in bile from common carp 53

Section 5: Great Salt Lake Open Water (Gilbert Bay) Survey, 1996-2000

- 5-1 Sediment and Brine Shrimp Samples collected in Gilbert Bay (1996 and 1999) and
Sediment Samples collected at South Shore Delta Locations (2000)..... 57
 5-2 Locations of Eared Grebes collected in 1997, 1998 and 2000..... 58
 5-3 Copper in sediments from the open waters of Gilbert Bay, onshore samples compared
to samples from off-shore areas 62
 5-4 Mercury in adult brine shrimp collected from the open waters of the Great Salt Lake in
Spring (May 2000) compared to Fall (September and October of 1996 and 1999)..... 66
 5-5 Seasonal trends in mercury in eared grebe livers..... 69
 5-6 Selenium concentrations by month in eared grebe livers..... 70

Section 6: Mercury in Terns at Farmington Bay Waterfowl Management Area, 2000

- 6-1 Location of Forster's tern colony sampled in Farmington Bay Waterfowl Management
Area, 2000..... 72
 6-2 Total mercury in bird eggs from Great Salt Lake wetlands (1996 - 2000) by principal
food preference and trophic level..... 74

LIST OF FIGURES (*continued*)

FIGURE

Section 7: Sediments in the Northwest Oil Drain “Delta”, Farmington Bay, 2000

7-1	Northwest Oil Drain-associated sampling locations from 1996-1997 Great Salt Lake Wetlands Contaminants Assessment	75
7-2	Location of the Northwest Oil Drain (NWOD) within Farmington Bay and location of sediment samples (and transects) within the NWOD delta.....	76
7-3	Spatial distribution of copper, lead and zinc in sediments, Northwest Oil Drain Delta, 2000	79
7-4	Spatial distribution of mercury in sediments, Northwest Oil Drain Delta, 2000	79
7-5	Spatial distribution of total PCBs in sediments, Northwest Oil Drain Delta, 2000	81
7-6	Spatial distribution of total (summed) DDTs in sediments, Northwest Oil Drain Delta, 2000	82
7-7	Spatial distribution of total (summed) non-alkylated PAHs in sediments, Northwest Oil Drain Delta, 2000.....	84

LIST OF ACRONYMS AND ABBREVIATIONS

<u>ACRONYM</u>	<u>DEFINITION</u>
2-PAM	2-pralidoxime
7-ER	7-ethoxyresorufin
11-KT	11-ketotestosterone
AAS	atomic absorption spectrometry
AChE	acetylcholinesterase
Al	Aluminum
ALH	Alkylated polynuclear aromatic hydrocarbon
ANOVA	analysis of variance
As	Arsenic
ASL	above sea level
B	Boron
Ba	Barium
BHC	Benzene hexachloride (also known as γ -hexachlorocyclohexane, also lindane)
BRD	Biological Research Division (USGS)
BRMBR	Bear River Migratory Bird Refuge
CCME	Canadian Council of Ministers of the Environment
Cd	Cadmium
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CGC	capillary gas chromatography
Cr	Chromium
Cu	Copper
DDT	dichloro-diphenyl-trichloroethane
DL	Detection limit
DTNB	5,5'-dithiobis-2-nitrobenzoate
dw	dry weight
E	Estrogen
E ₂	17 β -estradiol
E/T	Estrogen : Testosterone ratio
EROD	ethoxyresorufin- <i>O</i> -deethylase
FBWMA	Farmington Bay Waterfowl Management Area
FCSC	Florida Caribbean Science Center
Fe	Iron
FL/PY	fluoranthene:pyrene ratio
FWS	United States Fish and Wildlife Service
GERG	Geochemical Environmental Research Group
GMean	Geometric mean
GSI	gonadosomatic index
GSL	Great Salt Lake
HCB	Hexachlorobenzene
Hg	Mercury
HPLC	high performance liquid chromatography
HRGC	high-resolution gas chromatography
HRMS	high-resolution mass spectrometry
KUCC	Kennecott Utah Copper Corporation
LOAEL	Lowest Observed Adverse Effect Level
LOEL	Lowest Observed Effects Level
Mg	Magnesium
mg/kg	milligrams per kilogram (parts per million)
Mn	Manganese

LIST OF ACRONYMS AND ABBREVIATIONS (*continued*)

<u>ACRONYM</u>	<u>DEFINITION</u>
Mo	Molybdenum
NC	Not calculated
ND	Not detected
Ni	Nickel
NIWQP	National Irrigation Water Quality Program (U.S. Dept. of Interior)
NOAA	National Oceanic and Atmospheric Administration
NOAEL	No Observed Adverse Effect Level
NOEL	No Observed Effects Level
NWOD	Northwest Oil Drain
OBWMA	Ogden Bay Waterfowl Management Area
OC	organochlorine
OP	organophosphate
PACF	Paxtent Analytical Control Facility
PAH	polynuclear aromatic hydrocarbon
Pb	Lead
PCB	polychlorinated biphenyl
PEC	Probable Effects Concentration
PH/AN	phenanthrene:anthracene ratio
pmol/ min-µg	picomoles of EROD reaction product per minute per microgram of liver microsomal protein
ppm	parts per million (milligrams per kilogram)
<i>Rn</i>	Relative body condition
Se	Selenium
SLCWWTP	Salt Lake City Wastewater Treatment Plant (Site IS)
SQuiRT	Screening Q uick R eference T ables
Sr	Antimony
SS	stainless steel
T	Testosterone
TCDD	2,3,7,8-tetrachlorodibenzo- <i>p</i> -dioxin (dioxin)
TEC	Threshold Effects Concentration
TEF	Toxicity Equivalence Factor (for dioxins and dioxin-like compounds)
TPH	total petroleum hydrocarbons
USGS	United States Geological Survey
V	Vanadium
VTG	vitellogenin
ww	wet weight
Zn	Zinc

AVIAN COMMON NAME ABBREVIATIONS

AMAV	American avocet
AMCO	American coot
BNST	Black-necked stilt
CITE	Cinnamon teal
DCCO	Double-crested cormorant
EAGR	Eared grebe
FOTE	Forster's tern
GBHE	Great blue heron
MALL	Mallard duck
SNPL	Snowy plover

SPECIES REFERENCED IN THE REPORT

PLANTS

- Bulrush *Scirpus* (spp.)
- Cattail *Typhus* (spp.)
- Canary reed grass *Phragmites* (spp.) (both native and non-native, invasive species)
- Fresh-water plankton (*Daphnia* spp.)
- Green alga (*Dunaliella viridis*)

INVERTEBRATES

- Midges (Chironomidae)
- Water boatmen (Corixidae)
- Brine shrimp (*Artemia franciscana*)
- Brine flies (two species: *Ephydra gracilis* and *Ephydra hians*)
- Damselflies and dragonflies (Odonata)

BIRDS

- American avocet (*Recurvirostra americana*)
- American coot (*Fulica americana*)
- American white pelican (*Pelecanus erythrorhynchos*)
- American woodcock (*Scolopax minor*)
- Barn swallow (*Hirundo rustica*)
- Black-crowned night heron (*Nycticorax nycticorax*)
- Black-necked stilt (*Hymantopus mexicanus*)
- California gull (*Larus californicus*).
- Common loon (*Gavia immer*)
- Eared grebe (*Podiceps nigricollis*)
- Forster's tern (*Sterna forsteri*)
- Great blue heron (*Ardea herodias*)
- Green-winged teal (*Anas crecca*)
- Mallard duck (*Anas platyrhynchos*)
- Northern pintail (*Anas acuta*)
- Northern shoveler (*Anas clypeata*)
- Pied-billed grebe (*Podilymbus podiceps*)
- Snowy plover (*Charadrius alexandrinus*)
- White-faced ibis (*Plegadis chihi*)
- Wilson's phalarope (*Phalaropus tricolor*)

FISH

- Common carp (*Cyprinus carpio*)
- Utah chub (*Gila atraria*)
- Western mosquitofish (*Gambusia affinis*)

LIST OF SAMPLE SITES *(by Geographic Area)*

GREAT SALT LAKE OPEN WATER

GU	Gilbert Bay- USGS Sites
GG	Gilbert Bay
GC	Gilbert Bay C7 Ditch Delta
GD	Gilbert Bay Goggin Drain Delta
GL	Gilbert Bay Goggin Drain Delta

ANTELOPE ISLAND

AE	Antelope Island East
AS	Antelope Island South
AO	Antelope Island, offshore

GREAT SALT LAKE SOUTH SHORE

LS	Saltair/GSL State Park
LC	C7 Ditch

SOUTH SHORE WETLANDS

SI	Inland Sea Shorebird Reserve
SG	Gillmor Sanctuary
SD	Goggin Drain
SN	North Point Canal
SA	Airport Mitigation Site

SOUTHEAST SHORE INDUSTRIALLY-IMPACTED WETLANDS

IP	Petrochem Ponds
IB	Beck Hot Springs
IS	Salt Lake City Wastewater Treatment Plant (Constructed) Wetlands
IO	Oil Drain Canal

FARMINGTON BAY SOUTH

FN	New State Duck Club
FP	Bountiful Pond
FS	State Canal
FC	Farmington Bay Waterfowl Management Area (WMA)- Crystal Unit
FU	Farmington Bay WMA- Unit 1
FO	Northwest Oil Drain Delta

FARMINGTON BAY NORTH

FB	Bair Creek
FK	Kaysville Marsh

OGDEN BAY

OH	Howard Slough
OC	Ogden Bay WMA- South Canal
OS	Ogden Bay WMA- South
OW	Ogden Bay WMA- Weber River
ON	Ogden Bay WMA- North

BEAR RIVER BAY

BR	Bear River Migratory Bird Refuge (BRMBR) (at old entrance gate)
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- Utah Division of Wildlife Resources
- Friends of Great Salt Lake