PERFORMANCE REPORT

As Required by

THE ENDANGERED SPECIES ACT, SECTION 6

TEXAS
Project No: E-1-4

ENDANGERED AND THREATENED SPECIES CONSERVATION

Job No. 40

Status and Conservation of the Pecos Pupfish in Texas

Project Coordinator: Andrew H. Price

Principal Investigators: Gary P. Garrett
Andrew H. Price

Larry D. McKinney, Ph.D.
Director
Resource Protection Division

Andrew Sansom
Executive Director
TX Parks and Wildlife Department

November 30, 1992

ABSTRACT

On December 5, 1991, a Chevron pipeline near Red Bluff ruptured, spilling 2500 gallons of West Texas Intermediate Crude into the lower reaches of Salt Creek. As a portion of the mitigation for the spill effects, Texas Parks and Wildlife Department and U.S. Fish and Wildlife Service biologists are negotiating with Chevron Corporation for their assistance in performing the objectives of this job. At the close of this segment Chevron engineers were still in the process of assessing the feasibility and cost of barrier construction.

PERFORMANCE REPORT

STATE: Texas **PROJECT NO.:** E-1-4

PROJECT TITLE: Endangered and Threatened Species Conservation.

PERIOD COVERED: September 1, 1991 - August 31, 1992

JOB NUMBER: 40

JOB TITLE: Status and Conservation of Cyprinodon pecosensis in Texas.

JOB OBJECTIVE: Determine the status of the Pecos Pupfish in the Salt Creek drainage, assess the genetic integrity of the population, and construct barriers to the upstream migration of Sheepshead Minnows (Cyprinodon variegatus) where feasible and appropriate.

SEGMENT OBJECTIVES:

1. Identify land ownership in the Salt Creek drainage.

2. Survey the Salt Creek drainage, access permitting, to determine the extent of the distribution of the Pecos Pupfish in Salt Creak proper and which upstream springs, if any, are inhabited by the species.

3. Assess the genetic integrity of the population(s) discovered above prior to the implementation of the objective below.

4. Assess the feasibility of barrier construction on Salt Creeek and build barriers as appropriate.

ACCOMPLISHMENTS

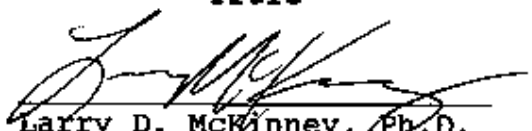
On December 5, 1991, a Chevron pipeline near Red Bluff ruptured, spilling 2500 gallons of West Texas Intermediate Crude into the lower reaches of Salt Creek. As a portion of the mitigation for the spill effects, Texas Parks and Wildlife Department and U.S. Fish and Wildlife Service biologists are negotiating with Chevron Corporation for their assistance in performing the objectives of this job. At the close of this segment Chevron engineers were still in the process of assessing the feasibility and cost of barrier construction.

SIGNIFICANT DEVIATIONS

Further progress on this job has been delayed in order to involve Chevron Corporation in sharing the cost of barrier construction.

PREPARED BY: Lee Ann Johnson Linam — 11-24-92
Date

Coordinator, End. Sp. Program
Title

APPROVED BY:  — 11-24-92
Larry D. McKinney, Ph.D. **Date**
Director, Resource Protection Division

PERFORMANCE REPORT

As Required by

THE ENDANGERED SPECIES ACT, SECTION 6

TEXAS
Grant No: E-1-5

ENDANGERED AND THREATENED SPECIES CONSERVATION

Project No. 40

Status and Conservation of the Pecos Pupfish in Texas

Project Coordinator: David E. Bowles

Principal Investigators: Gary P. Garrett

Larry D. McKinney, Ph.D.
Director
Resource Protection Division

Andrew Sansom
Executive Director
TX Parks and Wildlife Department

November 30, 1993

Performance Report

State: Texas **Grant No.:** E-1-5

Grant Title: Status and conservation of Cyprinodon pecosensis in Texas.

Time Period: 1 September 1992 - 31 August 1993

Project No.: 40

Project Objective: To determine the status of the Pecos Pupfish in the Salt Creek drainage, assess the genetic integrity of the population, and construct barriers to the upstream migration of Sheepshead Minnows (Cyprinodon variegatus) where feasible and appropriate.

Segment Objectives:

1. Identify land ownership in the Salt Creek drainage.
2. Survey the Salt Creek drainage, assess permitting, to determine the extent of the distribution of the Pecos Pupfish in Salt Creek proper and which upstream springs, if any, are inhabited by the species.
3. Assess the genetic integrity of the population(s) discovered above prior to the implementation of the objective below.
4. Assess the feasibility of barrier construction on Salt Creek and build barriers as appropriate.

ACCOMPLISHMENTS

Attachment 1

SIGNIFICANT DEVIATIONS

Attachment 1

PREPARED BY: Dr. David E. Bowles November 1, 1993
Date

Endangered Species Biologist
Title

APPROVED BY: 11-30-93
Date

for Larry D. McKinney, Ph.D.
Director, resource Protection Division

ATTACHMENT 1

Status and conservation of Cyprinodon pecosensis in Texas.

Pecos Pupfish Management

Due to the sensitive nature of area politics, no substantive progress was made on this project. Influential persons in the local area have been contacted and discussions are slowly proceeding.

PERFORMANCE REPORT

As Required by

THE ENDANGERED SPECIES ACT, SECTION 6

TEXAS
Grant No: E-1-6

ENDANGERED AND THREATENED SPECIES CONSERVATION

Project No. 40

Status and Conservation of the Pecos Pupfish in Texas

Project Coordinator: Dr. David E. Bowles

Principal Investigator: Gary P. Garrett

Larry D. McKinney, Ph.D.
Director
Resource Protection Division

Andrew Sansom
Executive Director
Texas Parks and Wildlife Department

November 30, 1994

PERFORMANCE REPORT

State: Texas **Grant No.:** E-1-6

Grant Title: Status and conservation of Cyprinodon pecosensis in Texas.

Time Period: 1 September 1993 - 31 August 1994

Project No.: 40

Project Objective: To determine the status of the Pecos Pupfish in the Salt Creek drainage, assess the genetic integrity of the population, and construct barriers to the upstream migration of Sheepshead Minnows (Cyprinodon variegatus) where feasible and appropriate.

Segment Objectives:

1. Identify land ownership in the Salt Creek drainage.
2. Survey the Salt Creek drainage, assess permitting, to determine the extent of the distribution of the Pecos Pupfish in Salt Creek proper and which upstream springs, if any, are inhabited by the species.
3. Assess the genetic integrity of the population(s) discovered above prior to the implementation of the objective below.
4. Assess the feasibility of barrier construction on Salt Creek and build barriers as appropriate.

ACCOMPLISHMENTS & SIGNIFICANT DEVIATIONS

Due to the sensitive nature of area politics, no substantive progress again was made on this project. Influential persons in the local area have been contacted and discussions are slowly proceeding.

PREPARED BY: Dr. David E. Bowles November 1, 1994
Date

Endangered Species Biologist
Title

APPROVED BY: Lee Ann Linam 28 Nov. 1994
Lee Ann Johnson Linam **Date**
Section 6 Coordinator

PERFORMANCE REPORT

As Required by

THE ENDANGERED SPECIES ACT, SECTION 6

TEXAS
Grant No: E-1-7

ENDANGERED AND THREATENED SPECIES CONSERVATION

Project No. 40

Status and Conservation of Cyprinodon pecosensis in Texas

Project Coordinator: Dr. David E. Bowles

Principal Investigator: Dr. Gary P. Garrett

Larry D. McKinney, Ph.D.
Director
Resource Protection Division

Andrew Sansom
Executive Director
Texas Parks and Wildlife Department

November 30, 1995

PERFORMANCE REPORT

STATE: Texas **GRANT NO:** E-1-7

GRANT TITLE: Endangered and Threatened Species Conservation

PERIOD COVERED: September 1, 1994-August 31, 1995

PROJECT NUMBER: 40

PROJECT TITLE: Status and conservation of Cyprinodon pecosensis in Texas

PROJECT OBJECTIVES: To determine the status of the Pecos pupfish in the Salt Creek drainage, assess the genetic integrity of the population, and construct barriers to the upstream migration of sheepshead minnows (Cyprinodon variegatus)

ACCOMPLISHMENTS

None

SIGNIFICANT DEVIATIONS

Due to the sensitive nature of area politics, no substantive progress was made on this project. Influential persons in the local area have been contacted and discussions are slowly proceeding.

PREPARED BY: Nov 3, 1995
Dr. David E. Bowles — Date
Conservation Scientist V

APPROVED BY: Lee Ann Linam 8 Nov. 1995
Lee Ann Johnson Linam — Date
Coordinator, Section 6 Program