



KELLY AFB
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 3400

KELLY AIR FORCE BASE RESTORATION ADVISORY BOARD

AGENDA December 12, 1994

- | | | | |
|------|--|-------------|------------------|
| I. | Welcome | Mr. Bailey | 6:00 p.m. |
| II. | Presentation of New RAB Applicants | Mr. Bailey | 6:05 p.m. |
| III. | Circulate and Approve RAB Public Contact Listing
Circulate and Sign RAB Charter | Mr. Bailey | 6:15 p.m. |
| IV. | Installation Restoration Program | Mr. Trevino | 6:30 p.m. |
| | · Proposed Dates for Workshop | Mr. Trevino | 6:35 p.m. |
| | · Jan. 5, 1995 (Thursday), 9 a.m.-5 p.m. | | |
| | · Jan. 7, 1995 (Saturday), 9 a.m.-5 p.m. | | |
| | · Jan 4-5, 1995 (Wednesday and Thursday), 6-10 p.m. | | |
| | · Presentation Package | Mr. Trevino | 6:40 p.m. |
| | · Relative Risk Evaluation | Mr. Trevino | 6:45 p.m. |
| | -- Break -- | | 7:05 p.m. |
| | · Groundwater Cleanup Proposed Plans | Mr. Trevino | 7:15 p.m. |
| | · Zone 1 - Groundwater Clean Up | Mr. Medina | 7:20 p.m. |
| | · Zone 2 - Groundwater Clean Up | Mr. Johnson | 7:40 p.m. |
| | · Zone 3 - Groundwater Clean Up | Ms. Wark | 8:00 p.m. |
| V. | Open Issues - General Public | Mr. Bailey | 8:30 p.m. |
| VI. | Set Date, Time, Location of Next RAB Meeting | Mr. Bailey | 8:50 p.m. |
| VII. | Meeting Adjourns | | 9:00 p.m. |

KELLY AIR FORCE BASE RESTORATION ADVISORY BOARD

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**RESTORATION ADVISORY BOARD
MEETING MINUTES**

December 12, 1994

1. Restoration Advisory Board (RAB) held its monthly meeting on December 12, 1994 at the Fire Training Academy, 4531 S. Zarzamora. The meeting began at 6:00 PM and concluded at 9:00 PM.
2. The topics of discussion include the following:
 - a. The welcome was provided by Mr. Bailey (Kelly AFB Co-Chair), who stated that Mr. Hagelthorn (Community Co-Chair) will not be able to attend the RAB meeting, thereby the Community Co-Chair would not be presiding over this meeting. Mr. Bailey offered three alternatives for conducting the meeting:
 - (1) The RAB members assign a Co-Chair for this meeting,
 - (2) The RAB members assign a Permanent Co-Chair Alternate, and
 - (3) The RAB members assign Mr. Bailey to preside over this meeting. (The RAB members decided that Mr. Bailey would preside over the meeting.)
 - b. Mr. Bailey presented to the RAB the applications of two individuals requesting membership on the Kelly RAB. The two individuals are Ms. Jessie Bankston and Mr. Gene Lene' of St. Mary's University. Mr. Lene' was present for this RAB meeting. After review of the applications, the two individuals were approved in accordance with the Charter for membership on the Kelly RAB.
 - c. Reporter Jessie Degollado from Channel 12, KSAT-TV, was present with a live report during the initial segment of the RAB. She requested an interview with a volunteer among the RAB members from the community. Mr. Bailey offered the opportunity and proposed a short break. However, no one volunteered and the interview was not conducted.
 - d. Mr. Bailey circulated two documents requiring action by the RAB members. The first document was the RAB Public Contact Listing. Each RAB member present reviewed and corrected the information, where appropriate. This listing is to be made public so that the community can make contact with RAB members. The second document was the RAB Charter, which every RAB member present signed.
 - e. Mr. Bailey introduced Richard Trevino, chief of the Restoration Operations Branch, who provided an overview on the Installation Restoration Program (IRP) which included the following subjects:
 - (1) Proposed two dates to conduct an on-site workshop for the RAB, which will provide the members a better understanding of the scope and responsibilities of the Installation Restoration Program at Kelly AFB. The dates proposed for this on-site workshop were January

5, 1995 or January 7, 1995. The workshop is to be an eight-hour workshop conducted on Kelly AFB and to provide detailed information on the Air Force clean up program and a tour of the IRP sites. After the IRP presentations for Zones 1, 2, and 3, the RAB voted and decided on January 5, 1995 for the date of the workshop.

(2) He outlined the contents of the members' information notebook provided by Kelly AFB. The notebooks contained the Relative Risk rating for the IRP sites at Kelly AFB; the Proposed Plans for the Groundwater Cleanup for Zones 1, 2, and 3; the Fiscal Year (FY) 1995 Defense Environmental Restoration Account Program Guidance; and the FY95 Relative Risk Site Evaluation Primer.

(3) He presented an overview on the Relative Risk Site Evaluation, which is the Air Force's current program for rating IRP sites. He explained that the Relative Risk Site Evaluation process rates IRP sites into High, Medium, or Low risk categories. This rating system is an initiative that will allow the Air Force to establish relative priorities among sites, thereby focusing the limited funding on cleanup actions. Based upon the information provided, Kelly AFB has 26 sites rated High and 6 sites rated Medium. The following action items were requested by board members:

(a) Mr. Quintanilla - Requested the Relative Risk table provided in the package identify the sites by Zone and whether the site is on-base or off-base. Mr. Trevino stated this listing will be revised and will be provided at the RAB workshop.

(b) Mr. Sain - Requested a copy of the presentation charts, which will be provided to him with his copy of the meeting minutes package.

(c) Mr. Quintanilla - Requested information on which minority-owned and local companies have received environmental work. During the RAB meeting, it was stated that an attempt would be made to provide this information as part of these meeting minutes. In general terms, Kelly has exceeded its dollar goals for small, disadvantaged and women-owned businesses. The SA-ALC Small Business Office has provided the following overall figures for SA-ALC contracts:

Category	Dollar Goal	Dollars Obligated
Total Small Business	\$214.8 million	\$295.9 million
Small Business Set-Aside	\$105 million	\$112.5 million
SDB /includes 8(a) firms	\$36 million	\$45.4 million
Women-Owned Businesses	\$6.99 million	\$19.4 million

No separate database exists to differentiate small, disadvantaged or women-owned business contracts in the environmental area from the San Antonio Air Logistics Center total. If the information were available, the total would still be incomplete because the participation of small, disadvantaged or women-owned businesses as subcontractors within the major environmental contracts (the Architecture & Engineering contracts and Remedial Action contracts) would not be included. The specific subcontractors and the dollar amounts are proprietary information of the

prime contractors and cannot be released by the Air Force. We expect that the figures, if they were available, would be consistent with the general trend seen in the SA-ALC total.

(4) An overview of the IRP process and a re-statement of the definition of an IRP site were presented. After the brief overview, he stated that presentations on the shallow groundwater cleanup for Zones 1, 2, and 3 will be conducted by the technical program manager for each zone (Daniel Medina - Zone 1, Kenny Johnson - Zone 2, and Victoria Wark - Zone 3). Each of the three overviews were presented:

(a) Mr. Medina presented an overview on the preferred cleanup action for the shallow groundwater in Zone 1, which is currently the Kelly AFB golf course. Zone 1 consists of two operable units, both of which require cleanup. (Copies of the proposed plan for each operable unit, which describes in detail the preferred cleanup action, were included in each RAB members' notebook at the meeting). The following action items were requested by board members:

(1) Mr. Moore and Mr. Rice - Requested information on the Storage Tank Program and how it relates to the cleanup program. Mr. Bailey stated that this will be a topic of discussion for the RAB workshop, as well as updates or status reports can be provided at future RAB meetings. Additional IRP Zonal Maps will be prepared showing the location of existing storage tanks.

(2) Mr. Quintanilla - Requested that Kelly AFB not use terms such as "Golf Course" because of the potential misperception that cleanup funds are being spent on a recreational facility while impacted areas on and off-base receive less attention. Mr. Bailey indicated that the term "Golf Course" was used to give the public a commonly known reference point and that the cleanup involves the shallow underground water beneath the course. In the future, this area will be referred to as Zone 1. In addition, Mr. Trevino stated that the laws and regulations are what govern those areas to be cleaned up, regardless of present use of the land or if those sites are on-base or off-base. Mr. Trevino further added that Kelly AFB's priority is (1) off-base cleanup (2) impact to surface waters, and (3) on-base cleanup.

(3) Mr. Quintanilla - Requested the cost of the cleanup action be identified as present cost versus future cost for each operable unit. Mr. Medina stated that this information will be provided within the RAB workshop.

(b) Mr. Johnson presented an overview on the preferred cleanup action for the shallow groundwater for Zone 2, which is the area including the Kelly AFB Jet Engine Test Facility and the Environmental Process Control Facility adjacent to southwest Military Drive. Zone 2 consists of two operable units, which both require cleanup. The proposed plan for each operable unit was submitted to the RAB members as part of their package, which describes in detail the preferred cleanup action. No action items were identified during this presentation.

(c) Ms. Wark presented an overview of the preferred cleanup action for the shallow groundwater for Zone 3, which encompasses the Kelly AFB industrial complex. Zone 3 consists of one operable unit and the proposed plan was submitted to the RAB members as part of their

meeting notebook. This proposed plan describes in detail the preferred cleanup action. The following action items were requested by board members:

(1) Mr. Quintanilla - Requested that the area of impacted shallow groundwater be identified, such as quantity on-base and quantity off-base. This information will be provided at the 5 Jan 95 workshop.

(d) Mr. Trevino concluded the IRP presentations by stating the RAB workshop is to be held on January 5, 1995 at Kelly AFB based upon the approval of the RAB membership present.

f. Mr. Bailey provided a summary of the meeting. The major topics of discussion included:

(1) RAB membership approval of the next meeting date as January 30, 1995 at the Fire Training Academy on S. Zarzamora at 6:00 PM. This RAB meeting will be one for Kelly AFB to listen to the concerns and feedback of the RAB members.

(2) Additional Action Items discussed:

(a) Mr. Quintanilla - Requested a briefing on Spill Prevention. This topic will be included in the RAB workshop on January 5, 1995.

(b) Mr. Moore - Requested Kelly AFB provide specifics on the Defense Redistribution and Marketing Office temporary storage facility as a means of improving the public perception of the facility. Mr. Bailey indicated that the DRMO facility will be part of the tour for the RAB workshop. Mr. Bailey also encouraged RAB members to notify him if they knew of anyone who would like to tour this facility (and others) at Kelly AFB.

(c) Mr. Sain and Mr. Quintanilla - Requested that meeting minutes be more detailed and be distributed much earlier. Minutes have been prepared based upon DOD RAB guidance, which states *"The minutes should be a concise summary of the meeting rather than verbatim transcripts."* In response to the RAB's request, future minutes will contain more of the information presented and a more complete record of discussions or comments. (These meeting minutes approach the goal, but improvement will continue with the January 30 meeting).

g. The RAB meeting adjourned at 9:00 PM on December 12, 1995.

3. RAB Members Present:

Larry Bailey, Co- Chair	Roy Gill	Nick Rodriguez
Charles Ayala	Carl Mixon	Bill Sain
Gary Beyer	Thomas Moore	Kelly Thurlow
Bill Brown	A. Quintanilla	Kelly McCartney (Alternate)
George Rice		Rene Hefner (Alternate)

4. RAB Members Absent:

Allan Hagelthorn, Co-Chair	Yolanda Johnson	Desi Raygosa (Alternate)
Leo Benavidez	Florencio Martinez	Debra Robinson (Alternate)
Richard Hirsch	Sam Sanchez	Henry Starks (Alternate)
Ricardo Jimenez		Raul Villar (Alternate)

5. RAB Members who have missed two consecutive meetings: Florencio Martinez and Ricardo Jimenez.

6. New RAB Members Approved: Ms. Jessie Bankston and Prof. Gene Lene'.

7. Meeting Reminders:

* **Workshop - January 5, 1995**

8:30 AM to 5:00 PM at Kelly AFB, Texas

Point of Contact - Michael Estrada at 925-7951 or Dick Walters at 925-1812

* **RAB Monthly Meeting - January 30, 1995**

Fire Training Academy at 4531 S. Zarzamora

6:00 PM to 8:00 PM

Junta De Consejo de Restauracion

Detalles de la Reunión

12 de Diciembre de 1994

1. La Junta de Consejo de Restauración (RAB) sostuvo su reunión mensual el día 12 de Diciembre de 1994, en la Academia de Bomberos, en el 4531 de la calle Zarzamora. La reunión inició a las 6:00 pm y concluyó a las 9:00 pm.

2. Los temas que se discutieron son los siguientes:

a. La bienvenida fue dada por el Sr. Bailey (Presidente, representando la Base Kelly) quien comentó que el Sr. Hagelthorn (Presidente, representando a la Comunidad) estaría presente en la reunión. El Sr. Bailey propuso tres alternativas para conducir la reunión:

- (1) Que los miembros del RAB asignaran un mediador para esta junta
- (2) Que los miembros del RAB asignaran a un mediador alterno permanente, ó
- (3) Que los miembros del RAB asignaran a el Sr. Bailey para presidir la reunión.
(Los miembros de el RAB decidieron que el Sr. Bailey presidiera la reunión).

b. El Sr. Bailey presentó a los miembros del RAB las aplicaciones de dos personas que estan solicitando ser miembros. Las dos personas son la Señora Jessie Bankston y el Señor Gene Lene' de la Universidad de Santa María. El Sr. Lene estuvo presente en la reunión. Después de que las aplicaciones fueron revisadas, ambos aspirantes fueron aceptados siguiendo los lineamientos de la constitución de el RAB.

c. La reportera Jessie Degollado de el canal 12 de Televisión, KSAT, estuvo presente mandando transmisión en vivo durante el inicio de la reunión. La señora Degollado pidió una entrevista con cualquier miembro de el RAB que quisiera ofrecerse como voluntario. El Sr. Bailey ofreció esta oportunidad a los miembros y propuso un breve receso. Sin embargo, nadie se ofreció como voluntario y la entrevista no se condujo.

d. El Sr. Bailey circuló dos documentos para que fueran revisados por los miembros de el RAB. El primero era la lista con información de los miembros de el RAB que se haría disponible al público. Esta lista se hará disponible al público para que la comunidad pueda contactar a cualquier miembro. El segundo documento era la constitución de el RAB que fue firmada por cada uno de los miembros presentes.

e. El Sr. Bailey presentó a Richard Treviño, jefe de la División de Operaciones de Restauración, quien presentó un resumen de el Programa de Restauración de Instalaciones(IRP) y que incluyó los siguientes temas:

(1) Propuso dos fechas para llevar a cabo un seminario que proporcionará a los miembros de el RAB una idea mas clara de las responsabilidades y el propósito de el Programa IRP en la Base Kelly. Las fechas propuestas para este seminario fueron el 5 y el 7 de Enero de 1995. El seminario se llevará a cabo en la Base Kelly y durará todo un día (8hrs). El seminario proporcionará información detallada en relación con el programa de Limpieza del Ambiente e incluirá una visita a los lugares contaminados incluidos en el programa IRP. Después de una presentación de las Zonas 1, 2, y 3 de el programa IRP, el RAB votó y decidió de que el seminario se llevara a cabo el día 5 de Enero de 1995.

(2) El Sr. Treviño delineó el contenido de el "paquete informativo" de los miembros de el RAB que fue proporcionado por Kelly AFB. El paquete contiene la clasificación de "Riesgo Relativo" de los lugares contaminados IRP en la Base Kelly, asi como los Planes que se han Propuesto para la limpieza de las aguas friáticas o subterráneas en las Zonas 1, 2, y 3; el año Fiscal 1995; la Cuenta el Programa de Restauración Ambiental; y la Evaluación de Lugares de el Dpto. de Defensa de acuerdo a el Riesgo Relativo.

(3) El Sr. Treviño presentó un resumen de la "Evaluación de el Riesgo Relativo de Lugares". Esta "Evaluación" es el mecanismo que usa actualmente la Fuerza Aérea para clasificar los lugares contaminados IRP. El Sr. Treviño explicó que el Proceso de Evaluación de Riesgo Relativo clasifica los lugares IRP en categorias de Alto, Medio, o Bajo riesgo. Este sistema de clasificar es una iniciativa que permitirá a la Fuerza Aérea establecer prioridades entre los diferentes lugares, y de este modo concentrar los fondos

económicos en acciones de limpieza. De acuerdo a información proporcionada, Kelly tiene 26 lugares contaminados IRP clasificados de alto riesgo y 6 lugares clasificados de riesgo Medio. Los miembros de la junta solicitaron que se realizaran los siguientes puntos:

(a) El Sr. Quintanilla-solicitó que la tabla de Riesgo Relativo que viene en el "paquete informativo" identifique los lugares contaminados IRP por Zona y que especifique si el lugar IRP esta dentro ó fuera de la Bae. El Sr. Treviño indicó que estos cambios hiban a ser incorporados y que serían proporcionados durante el seminario de el RAB.

(b) El Sr. Sain-solicitó una copia de las gráficas mostradas en la presentación de las Zonas 1, 2, y 3. Las copias le serán proporcionadas junto con la copia de las "Detalles de la Reunión".

(c) El Sr. Quintanilla-solicitó información referente a que compañías locales ó compañías propiedad de minorías han recibido contratos ambientales. Los miembros de Kelly AFB indicaron que se haría un intento por incluir ésta información en los Detalles de la Reunión. En términos generales, la Base Kelly ha exedido su presupuesto para la empresa pequeña, la empresa en desventaja, y las empresas propiedad de minorías. La oficina de SA-ALC que contrata Negocios Pequeños ha proporcionado las siguientes cifras:

CATEGORIA	PRESUPUESTO	CANTIDADES OTORGADAS
Pequeña Empresas (Total)	\$214.8 million	\$295.9 million
Fondos Reservados para Pequeñas Empresas	\$105 million	\$112.5 million
Negocios Propiedad de Mujeres	\$6.99 million	\$19.4 million
Negocios Pequeños en Desventaja	\$36 million	\$45.4 million

No existe un banco de información separado que diferencie entre contratos ambientales y contratos en general otorgados por SA-ALC a empresas pequeñas. Aún si hubiera acceso a esta información, el total estaría incompleto porque la participación de empresas pequeñas como subcontratistas dentro de los grandes contratos ambientales (los contratos denominados como Contratos de Arquitectura e Ingeniería ó los contratos de Limpieza del Ambiental) no estarían incluidas. La información referente a los nombres de los subcontratistas y las cantidades de sus contratos es propiedad de los contratistas principales y no puede ser publicada por la Fuerza Aérea. Esperamos que las cifras, si estuvieran disponibles, serían consistentes con la tendencia general que se puede observar en SA-ALC.

(4) Se presentó un resumen de el proceso IRP y se definió el significado de el término "lugar contaminado IRP". Después de una pequeña introducción, el señor Treviño comentó que las presentaciones que se hiban a exponer en referenica a la limpieza de las aguas friáticas de las Zonas 1, 2, y 3, serían conducidas por los jefes técnicos de cada

Zona (Daniel Medina-Zona 1, Kenny Johnson-Zona 2, y Victoria Wark-Zona 3). Las tres presentaciones se llevaron a cabo como se tenía planado.

(a) El Sr. Medina presentó un resumen de los procedimientos y técnicas de limpieza que se han recomendado para la capa superficial de aguas frías ó subterráneas en la Zona 1, que actualmente es el campo de Golf de la Base. La Zona 1 ha sido dividida en dos áreas denominadas "unidades operables" las cuales requieren de limpieza ambiental. Copias de los planes que se han propuesto para cada unidad operable, los cuales describen en detalle el tipo de limpieza ambiental que se ha propuesto, se incluyeron en el paquete informativo que se le entregó a cada miembro de la Junta. Los miembros de la Junta solicitaron que se realizaran los siguientes puntos:

[1] Los Señores Moore y Rice pidieron información referente a el Programa de Tanques de Almacenamiento, y de que manera se relaciona con el programa de limpieza. El Sr. Bailey indicó que este será un tema que se presentará y discutirá durante el seminario de el día 7 de Enero, y añadió que reportes de el estado de los tanques podrían ser proporcionados en futuras reuniones de el RAB. Mapas adicionales de las Zonas IRP mostrando la ubicación de los tanques de almacenamiento serán preparados.

[2] El Sr. Quintanilla solicitó que la Base Kelly no use términos como "Campo de Golf" por la posible mala interpretación, y se crea que los fondos destinados para la limpieza del ambiente se están gastando en partes recreativas, mientras que las áreas que han sido afectadas ambientalmente reciben menos atención. El Sr. Bailey indicó que el término "Campo de Golf" se ha usado para dar al público un punto de referencia que es conocido por todos, y que la limpieza ambiental se está llevando en las aguas frías superficiales que se encuentran bajo el campo de Golf. De ahora en adelante el área será designada como Zona 1. Así mismo, el Sr. Treviño comentó que las leyes y reglamentos es lo que dicta que estas áreas sean rehabilitadas, independientemente de el uso actual de el área ó si esta dentro o fuera de la Base. El señor Treviño añadió que las prioridades de la Base Kelly son (1) la limpieza de las áreas localizadas fuera de la Base y que han sido afectadas por la Base. (2) Impacto a el agua, y (3) la limpieza dentro de la Base.

[3] El Sr. Quintanilla solicitó que el costo de las actividades de limpieza del ambiente se identifiquen como el costo presente versus el costo futuro para cada una de las áreas afectadas. El Sr. Medina indicó que esta información se proporcionará como parte de el seminario.

(b) El Sr. Johnson presentó un resumen de las técnicas de limpieza que se han recomendado para las aguas frías de la Zona 2, que incluye las Facilidades de Prueba de Motores de Reacción y la Unidad de Proceso de Control Ambiental localizados al suroeste de la Calle Military. La Zona 2 consiste de 2 unidades operables, las cuales requieren de limpieza del ambiente. El plan que fue propuesto para limpiar cada una de las unidades operables fue presentado a los miembros del RAB en el paquete de información que se les proporcionó. Este plan describe en detalle las técnicas de limpieza más apropiadas. No se hicieron preguntas durante esta presentación.

(c) La Sra. Wark presentó un resumen de las técnicas de limpieza que se han recomendado para las aguas friáticas de la Zona 3, que incluye el complejo industrial de Kelly. La Zona 3 consiste de una unidad operable y el plan propuesto para la rehabilitación ambiental fue presentado a los miembros de el RAB en el paquete de información que se les proporcionó. Este plan describe detalladamente la técnica de limpieza que se esta proponiendo. Los miembros de la Junta solicitaron que se realizaran los siguientes puntos:

[1] El Sr. Quintanilla solicitó que se identifique el área de las aguas friáticas que ha sido afectada, así como la cantidad dentro y fuera de la Base. Esta información será proporcionada en el seminario de el 5 de Enero.

(d) El Sr. Treviño concluyó las presentaciones expresando que el seminario se llevaría a cabo el 5 de Enero de 1995 en la Base Kelly, tal y como fue acordado por los miembros de el RAB.

(e) El Señor Bailey hizo un resumen de la reunión. Los temas más importantes que se discutieron incluyen:

[1] Los miembros de el RAB acordaron que la próxima Junta se lleve a cabo el día 30 de Enero de 1995 en la Academia de Bomberos en la calle Zarzamora a las 6:00 pm. Esta reunión servirá para que la Base Kelly escuche las preocupaciones y cualquier otro punto que quieran discutir los miembros del RAB.

[2] Otros temas que se discutieron Incluyen:

(a) El Sr. Quintanilla solicitó una reunión preparatoria referente a la Prevención de Derrames de Materiales Peligrosos. Este tema será incluido en el seminario de el 5 de Enero, 1995.

(b) Señor Moore solicitó que la Base Kelly proporcione información referente a las bodegas de almacenamiento temporal de la Oficina de Redistribución y Mercadotecnia de la Denfensa, mejor conocida como DRMO, como un esfuerzo para mejorar la percepción pública de esta oficina. El señor Bailey indicó que las oficinas y bodegas de DRMO estarían incluidas en el tour que se dará por Kelly como parte de el seminario. El señor Bailey les comentó a los miembros de el RAB que le notificaran se sabían de alguien que quisiera participar en el tour de la Base.

(c) Los Señores Sain y Quintanilla solicitaron que los detalles de la reunión sean más específicos y se distribuyan con más anticipación. Los Detalles han sido preparados siguiendo los lineamientos de el Departamento de Defensa, que especifica "Los Detalles deben ser un resumen conciso de la reunión, y no una recolección palabra por palabra. Como respuesta a las peticiones de el RAB, los próximos detalles incluirán más información presentada y records más completos de lo que se discuta o se comente.

(Estos detalles de la reunión cumplen con su objetivo de informar, pero se tratará de mejorar los detalles de la reunión de el 30 de Enero.)

f. La reunión de el RAB concluyó a las 9:00 pm el día 12 de Diciembre de 1995.

3. Miembros del RAB.

Larry Bailey, Presidente	Roy Gill	Nick Rodríguez
Charles Ayala	Carl Mixon	Bill Sain
Gary Beyer	Thomas Moore	Kelly Thurlos
Bill Brown	A. Quintanilla	Kelly McCartney (Alterno)
George Rice		Rene Hefner (Alterno)

4. Miembros del RAB que estuvieron ausentes.

Allen Hagelthorn, Presidente	Yolanda Johnson	Desi Raygosa (Alterno)
Leo Benavidez	Florencio Martínez	Debra Robinson (Alterno)
Richard Hirsch	Sam Sánchez	Henry Starks (Alterno)
Ricardo Jiménez		Raúl Villar (Alterno)

5. Miembros de el RAB que han estado ausentes en dos reuniones consecutivas: Florencio Martínez y Ricardo Jiménez.

6. Nuevos miembros de el RAB: La Señora Jessie Blankston y el Profesor Gene Lene.

Restoration Advisory Board



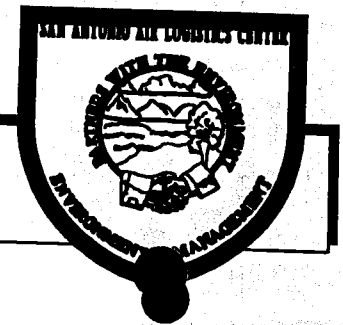
December 12, 1994

Restoration Advisory Board

Proposed Workshop

- * Purpose of Workshop - To provide details on the IRP giving RAB members the goals, strategy, and status of the clean up program.
- * Dates Recommended (In priority)
 - * January 5, 1995 - 8:00 am to 4:00 pm
 - * January 7, 1995 - 8:00 am to 4:00 pm
 - * January 4-5, 1995 - 6:30 pm to 9:30 pm (2 nights)
 - * Workshop to be conducted on Kelly AFB, Texas

Directorate of Environmental Management



Overview

Installation Restoration Program



December 12, 1994

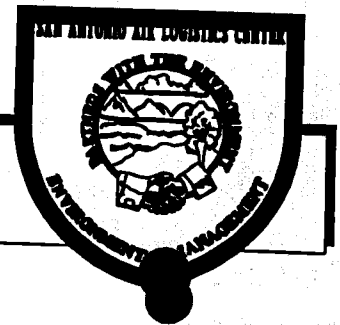
Restoration Advisory Board Outline

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Directorate of Environmental Management



Relative Risk

Purpose

* PURPOSE of the Relative Risk

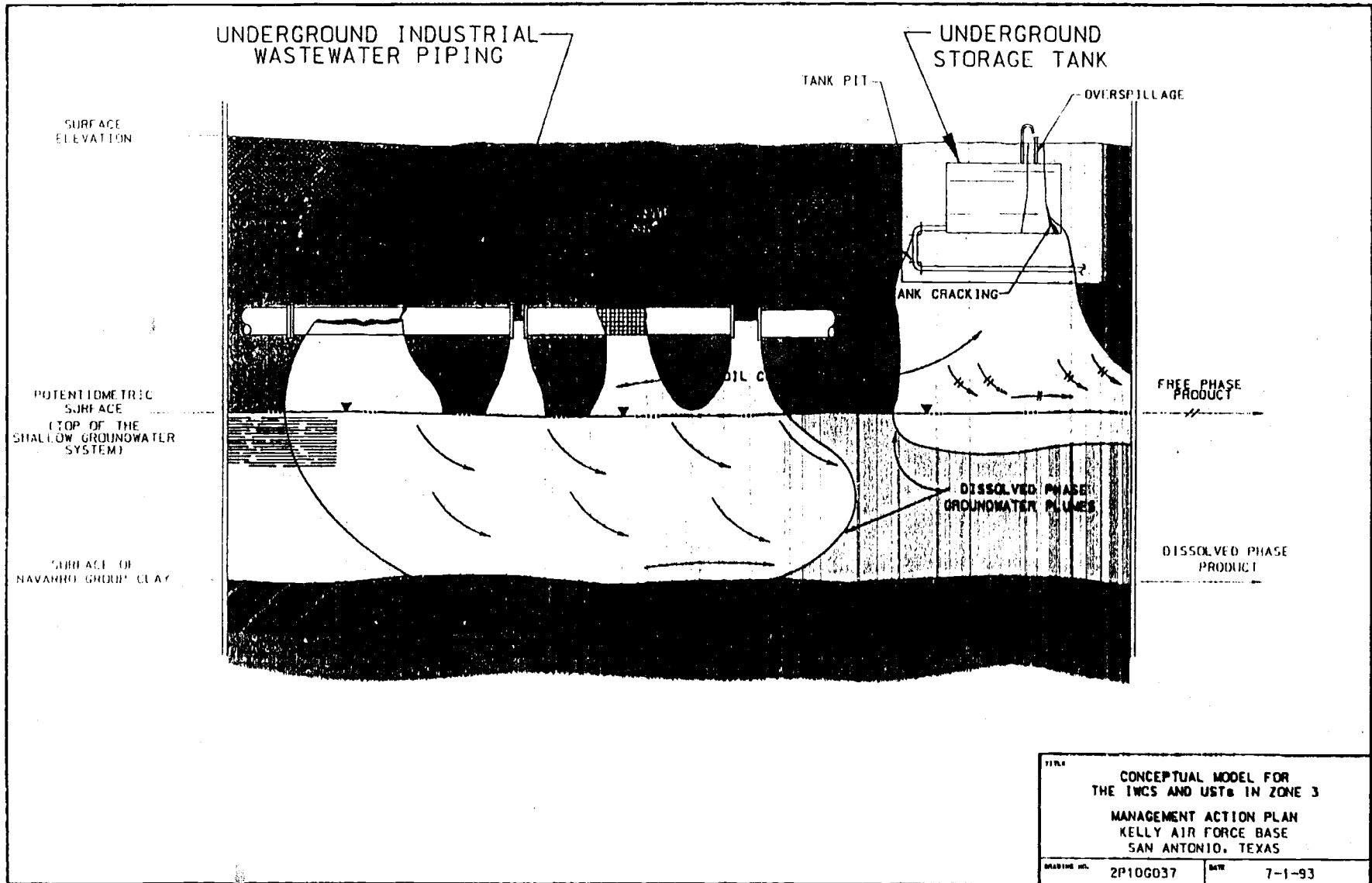
* The Department of Defense developed a method of ranking sites based upon relative risk.

* The sites are ranked into one of three categories.
High, Medium, or Low

* FOCUS - Use funding on cleanup actions reducing relative risk to human health and/or the environment.

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E2-30

Relative Risk *Factors*

- * Some factors that determine the priority of cleanup actions at sites:
 - * Relative Risk Evaluation
 - * Regulatory Agreements
 - * Public Health Recommendations
 - * General Public Involvement
 - * Stakeholders Involvement and Input

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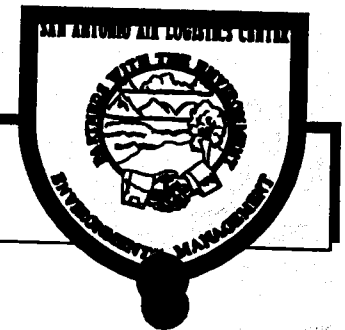


Relative Risk *Definition*

- * **Relative risk ranks sites based upon 3 factors:**
 - * **Evaluation of Contaminants**
 - * **Evaluation of Pathways**
 - * **Evaluation of Human/Ecological Receptors**

- * **Focuses on the following media:**
 - * **Groundwater**
 - * **Surface Water and Sediment**
 - * **Surface Soils**

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Relative Risk *Media Evaluation*

- * **The media are evaluated using three criteria:**
- * ***Contaminant Hazard Factor (CHF)*** - A combined measure of chemical concentrations in a given medium.
- * ***Migration Pathway Factor (MPF)*** - A measure of movement or potential movement of chemicals away from the original source.
- * ***Receptor Factor (RF)*** - The potential for human or ecological contact with the site chemicals.
- * **Each medium results in a rating (H-M-L).**
- * **Overall Rating - Highest from 3 media.**

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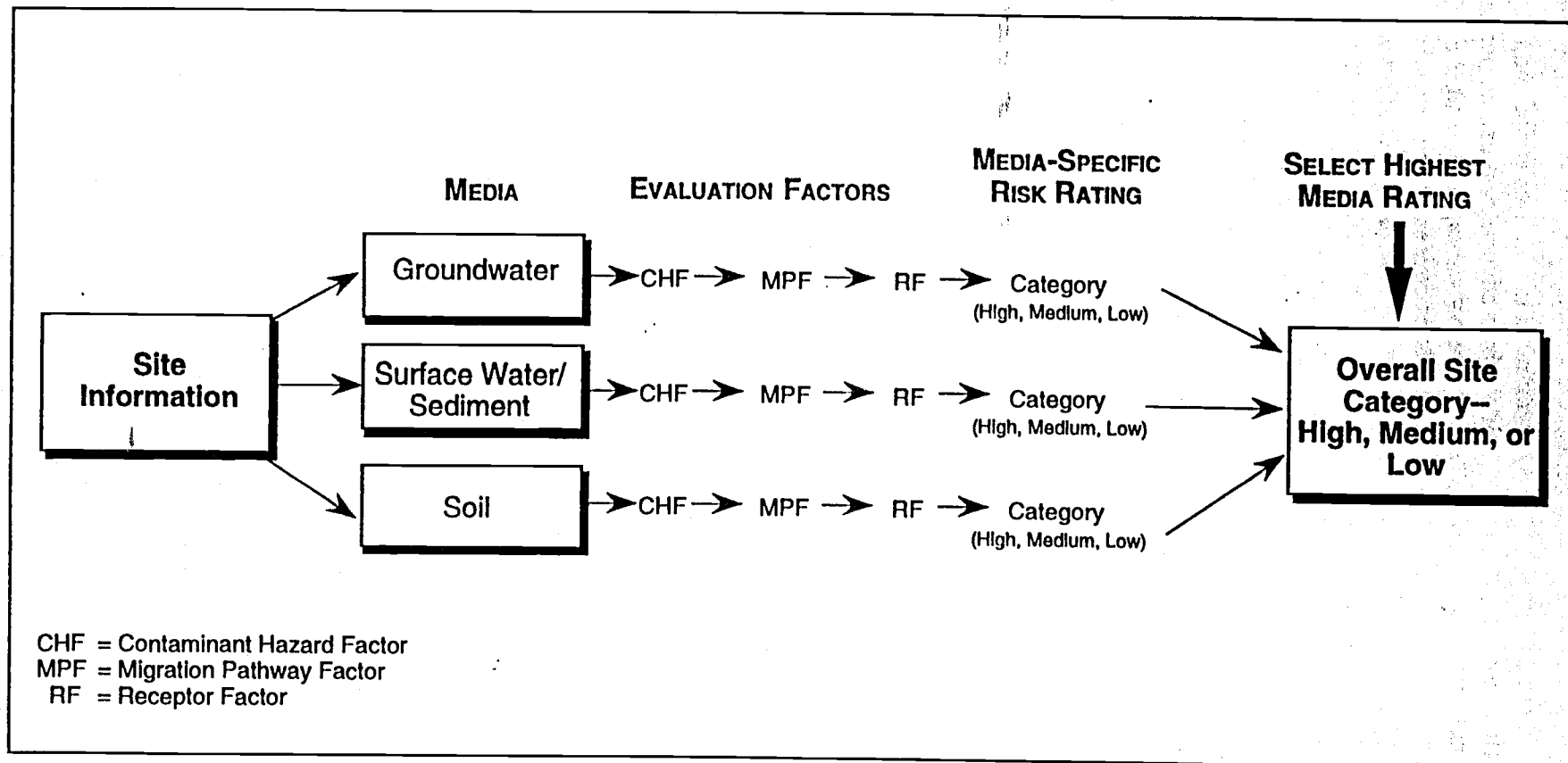


Figure 2. Flow Diagram of the Relative Risk Site Evaluation Framework

Relative Risk

Stakeholders Role

- * **Definition of *Stakeholders***

- * **General Public/Community**

- * **Federal/State/Local Agencies**

- * **Private Industry/Civic Groups**

- * ***Restoration Advisory Board (RAB)***

- * **Stakeholders involved throughout IRP process**

- * **Assist in *Relative Risk* determination**

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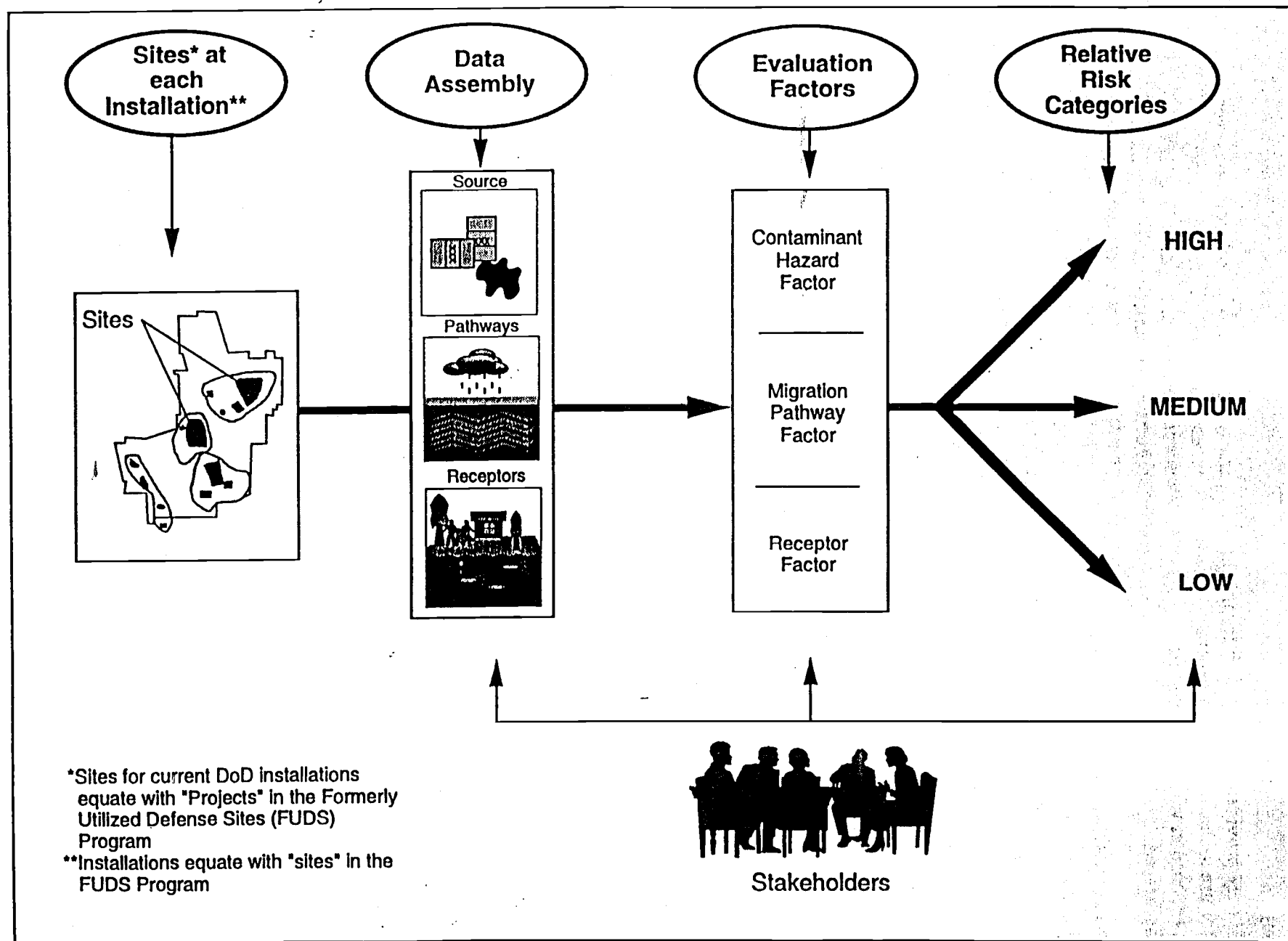


Figure 1. Relative Risk Site Evaluation Concept Summary

Relative Risk

Kelly AFB Proposed Ratings

- * Scored 32 of our 52 IRP sites
 - * *Remaining 20 have been recommended for No Further Action.*
- * Rating of 32 IRP sites
 - * 26 Rated - High
 - * 6 Rated - Medium
 - * None - Low

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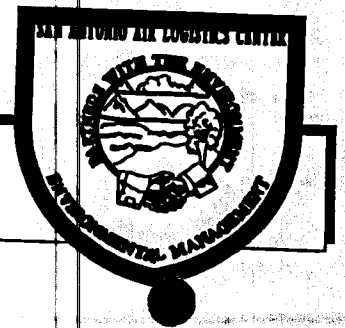
Installation Restoration Program		
Site Scoring		
Kelly AFB, Texas		
As of December 1994		
Number	Site Name	Relative Risk
1	LF001 (D-9)	High
2	SS002 (IWTP)	NFA
3	SS003 (S-1)	High
4	SS004 (S-2)	Closed
5	SS005 (S-3)	Medium
6	ST006 (S-4)	High
7	ST007 (S-5)	Medium
8	ST008 (S-6)	NFA
9	SS009 (S-7)	NFA
10	ST010 (S-9)	High
11	LF011 (D-1)	High
12	LF012 (D-2)	High
13	LF013 (D-3)	Medium
14	LF014 (D-4)	Medium
15	LF015 (D-5)	High
16	LF016 (D-6)	High
17	LF017 (D-7)	High
18	LF018 (D-8)	NFA
19	LF019 (D-10)	High
20	WP020 (E-1)	High
21	WP021 (E-2)	NFA
22	WP022 (E-3)	High
23	FT023 (FC-1)	Closed
24	FT024 (FC-2)	High
25	SS025 (IS-1)	Closed

Relative Risk *Summary*

- * Focus on cleanup actions through Relative Risk.
- * Priority of sites based upon H-M-L rating.
- * Stakeholders involvement critical to process.
- * Forum used determine Relative Risk:

Restoration Advisory Board

Directorate of Environmental Management



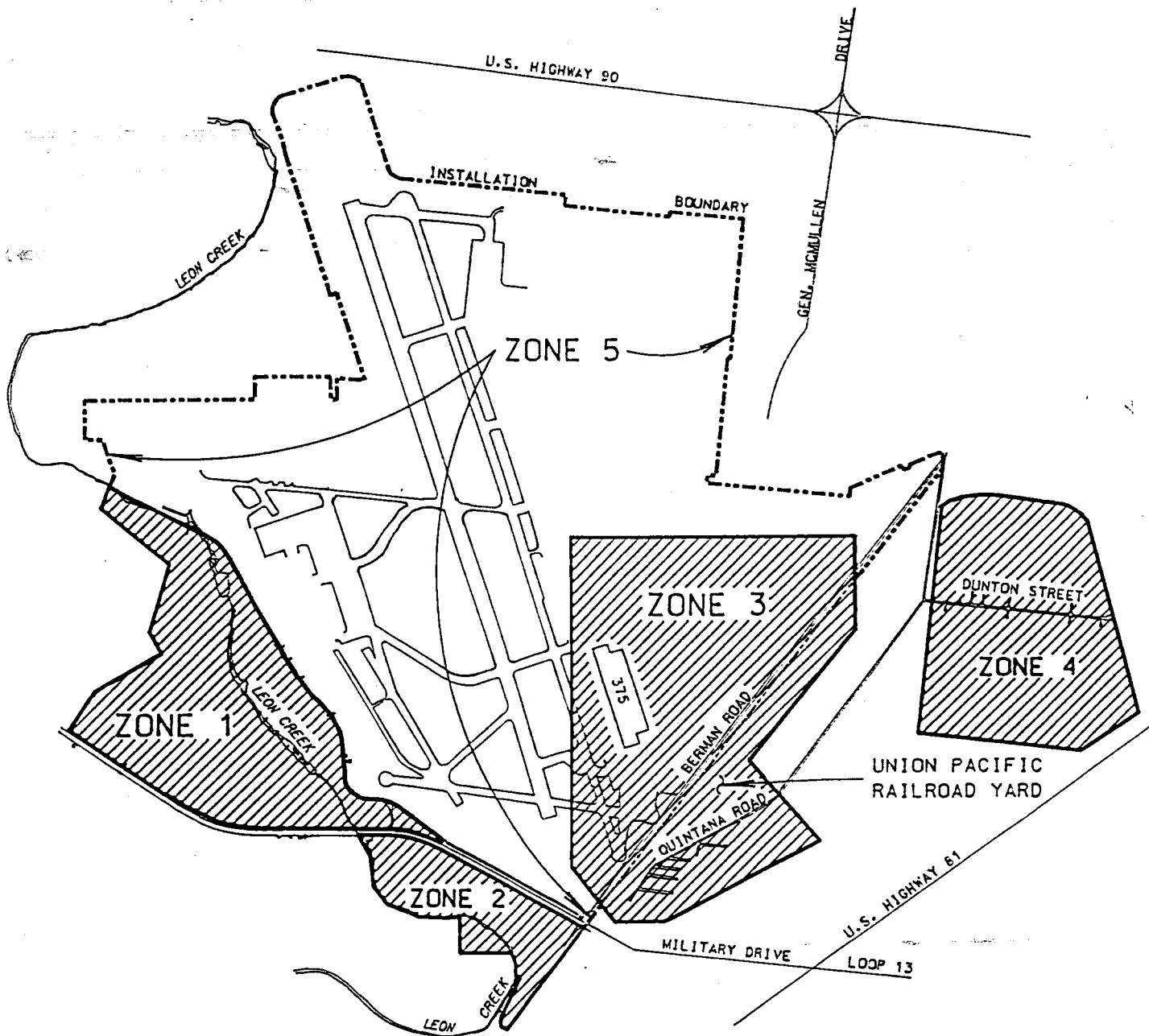
26	RW026 (RD-1)	NFA
27	RW027 (RD-2)	NFA
28	SS028 (S4-A)	NFA
29	WP029 (SA-1)	NFA
30	SS030 (SA-2)	High
31	SS031 (SA-3)	NFA
32	SS032 (SA-4)	High
33	WP033 (SD-1)	High
34	WP034 (SD-2)	NFA
35	SS035 (GWZ 1)	High
36	SS036 (GWZ 2)	High
37	SS037 (GWZ 3)	High
38	ST038 (S-8)	High
39	SS039 (OT-1)	NFA
40	SS040 (OT-2)	High
41	SS041 (B-1)	NFA
42	SS042 (CS-2)	High
43	SS043 (CS-3)	High
44	SS044 (IWCS)	High
45	SS045 (S-10)	Medium
46	ST046 (B182)	NFA
47	ST047 (UST 386)	NFA
48	ST048 (UST 308)	Closed
49	ST049 (UST 38)	NFA
50	SS050 (GWZ 5)	High
51	SS051 (IWCS)	Medium
52	SS052 (GWZ 4)	High
* - Denotes IRP site not scored.		
NFA - No Further Action		

Overview

Groundwater Cleanup Proposals



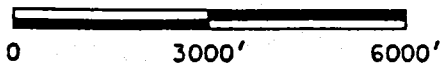
December 12, 1994



NOTE:
ZONE 5-ISOLATED SITES. INCLUDES SITES
THAT ARE NOT LOCATED IN OTHER ZONES.

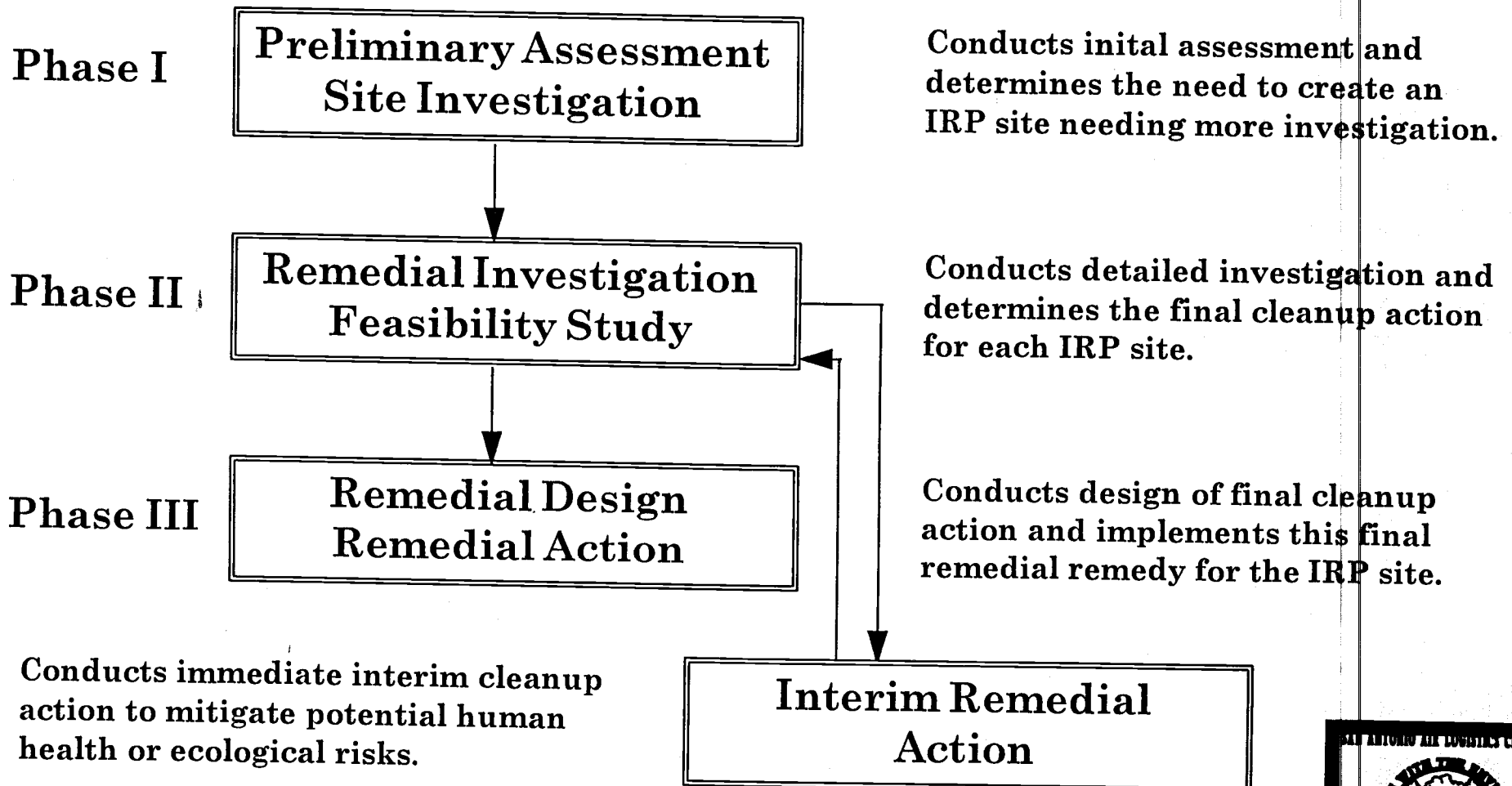


GRAPHIC SCALE



MAP OF ZONES UNDER INVESTIGATION
AT KELLY AIR FORCE BASE

IRP - Overview Cleanup Process



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Strategy and Objectives

- * **Overall Protection of Human Health and the Environment.**
- * **Compliance with Federal/State/Local laws and regulations.**
- * **To Accomplish the Objectives, the Proposed Actions will address:**
 - * **Containment at the Base Boundary**
 - * **Permanent Treatment**
 - * **Source Area Remediation**
 - * **Focus on Cleaning Up Highly Impacted Areas**

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Evaluation Criteria

- * **Preferred Action evaluated on nine factors:**
 - * **Overall Protection of Human Health and the Environment**
 - * **Compliance with ARARs (Federal/State laws)**
 - * **Long-Term Effectiveness and Permanance**
 - * **Reduction of Mobility, Toxicity, or Volume through Treatment**
 - * **Short-Term Effectiveness**
 - * **Implementability**
 - * **Cost**
 - * **State Acceptance**
 - * **Community Acceptance**

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Proposed Clean Up Groundwater - Zone 1



December 12, 1994

Groundwater - Zone 1 *Overview*

* **Project Manager: Dan Medina**

* **Location:**

* **Adjacent to Military Drive**

* **Golf Course**

* **HQ Air Intelligence Agency**

* **Site Characteristics:**

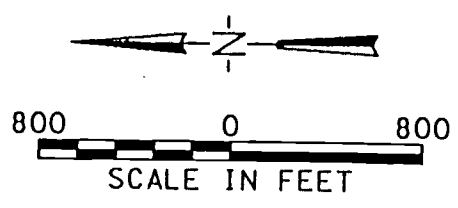
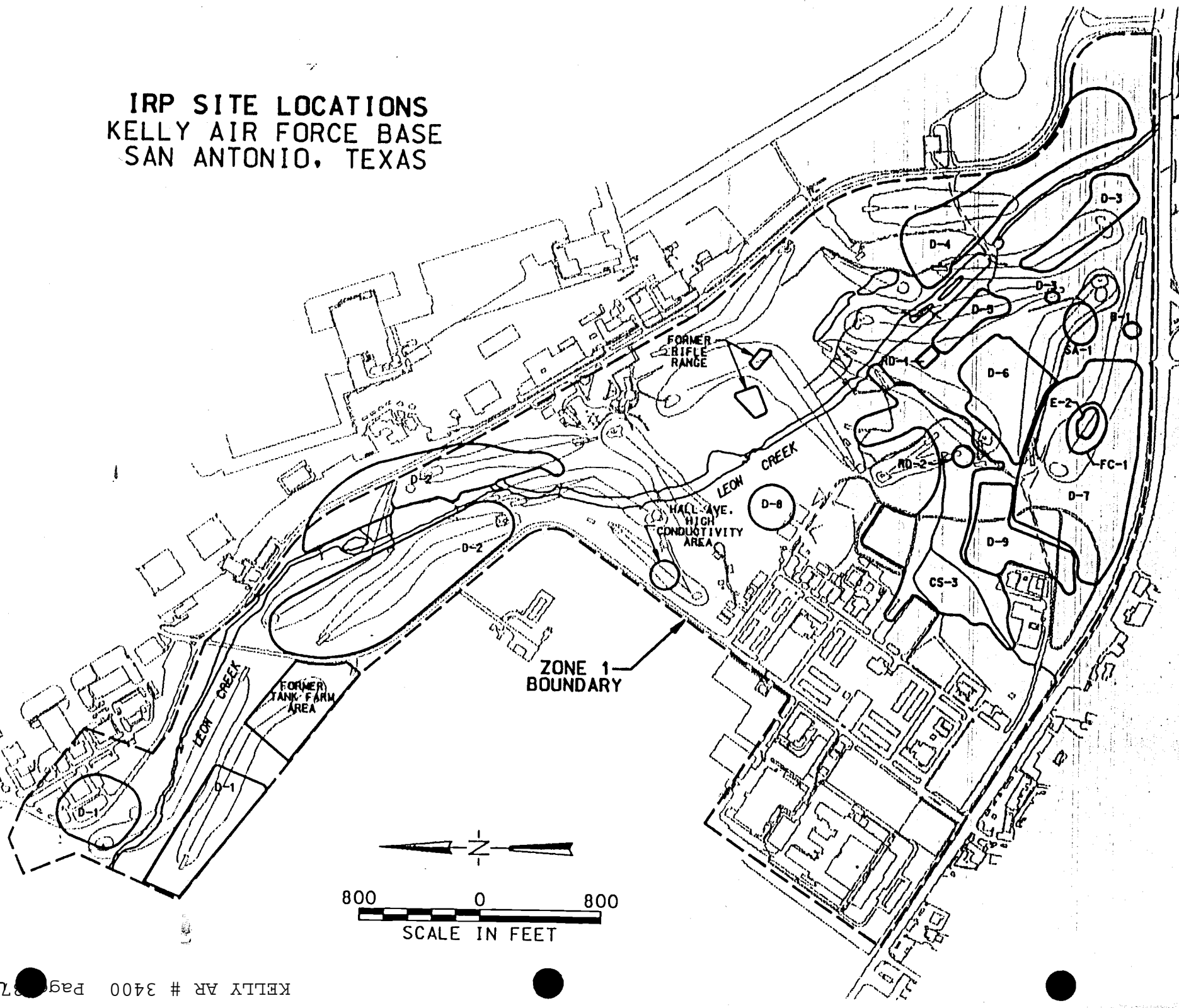
* **Consists of 383 acres**

* **17 IRP sites**

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IRP SITE LOCATIONS
KELLY AIR FORCE BASE
SAN ANTONIO, TEXAS



Groundwater - Zone 1 *Overview*

* Historical Uses:

- * Landfills
- * Sludge Spreading Areas
- * Evaporation Pit
- * Fire Training Area
- * Low Level Radioactive Sites

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Groundwater - Zone 1 *Overview*

- * Area of impacted shallow groundwater is approximately 83 acres
- * Main areas of impacted shallow groundwater: Sites CS-3, D-1, D-2, D-4, D-5, D-6, D-7, D-9
- * Major Organic Chemicals include: Solvents
- * Major Metals include: Lead, Manganese, Nickel

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Groundwater - Zone 1

Program Status

- * Remedial Investigation (RI) completed for all Sites
- * Interim Remedial Actions (IRAs)- 3 major efforts operating since 1993 (See Zone 1 Map)
 - * Site D-2
 - * Site D-4
 - * Site D-5

- * Note: 3 IRAs are in place. All IRAs are incorporated into the FS preferred alternatives

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Groundwater - Zone 1

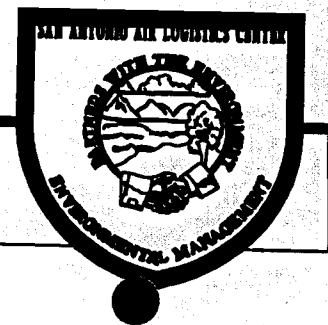
Potential Exposure Pathways

- * **Recreational Area/Administrative Area**
 - * **Leon Creek runs through middle of zone**

- * **Present Exposure Pathways**
 - * **Human - Contact with Leon Creek**
 - * **Environment - Leon Creek**

- * **Future Exposure Pathways**
 - * **Humans - Ingestion of Surface Water**
 - * **Environment - Leon Creek**

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Groundwater - Zone 1 Operable Unit 1

- * Located along Leon Creek at Sites D-4 and D-5
- * Low Organic concentrations only (Solvents)
- * Existing IRAs at Sites D-4 and D-5

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Operable Unit 1

Preferred Alternative

OPERABLE UNIT 1 - Proposed Clean Up Action

**DEED RESTRICTIONS
GROUNDWATER MONITORING
EXTRACTION WELLS
OXIDATION
DISCHARGE TO PERMITTED OUTFALL**

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Operable Unit 1 *Cost Summary*

OPERABLE UNIT 1 - Proposed Clean Up Action

- * Installation Time: 12-18 months
- * Cost - Capital: \$260,000
- * O&M/Present Worth: \$9.35 Million

- * Total: \$9.61 Million Over 30 Years

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Groundwater - Zone 1

Operable Unit 2

- * Located along Leon Creek where shallow groundwater is continuously present, and in area near Security Hill where shallow groundwater is present in isolated lenses
- * Low Organic concentrations (Solvents)
- * Low Metal concentrations (Lead, Manganese, Nickel)
- * Existing IRA at Site D-2

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Operable Unit 2

Preferred Alternative

OPERABLE UNIT 2 - Proposed Clean Up Action

DEED RESTRICTIONS
GROUNDWATER MONITORING
COLLECTION TRENCH
EXTRACTION WELLS
OXIDATION
PRECIPITATION
DISCHARGE TO PERMITTED OUTFALL

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Operable Unit 2

Cost Summary

OPERABLE UNIT 2 - Proposed Clean Up Action

- * Installation Time - 12-18 months
- * Cost - Capital: \$6.53 Million
- * O&M/Present Worth: \$17.96 Million

- * Total: \$25.40 Million Over 30 Years

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Groundwater - Zone 1

Summary

*** OPERABLE UNIT 1 \$9.61 Million**

- * DEED RESTRICTIONS
- * GROUNDWATER MONITORING
- * EXTRACTION WELLS, OXIDATION
- * DISCHARGE TO PERMITTED OUTFALL

*** OPERABLE UNIT 2 \$24.50 Million**

- * DEED RESTRICTIONS
- * GROUNDWATER MONITORING
- * COLLECTION TRENCHES, WELLS
- * OXIDATION, PRECIPITATION
- * DISCHARGE TO PERMITTED OUTFALL

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Proposed Clean Up Groundwater Zone 2

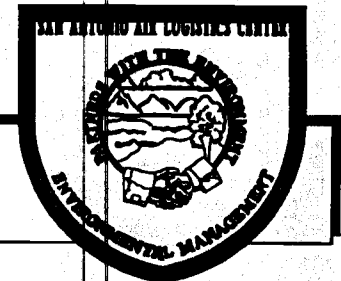


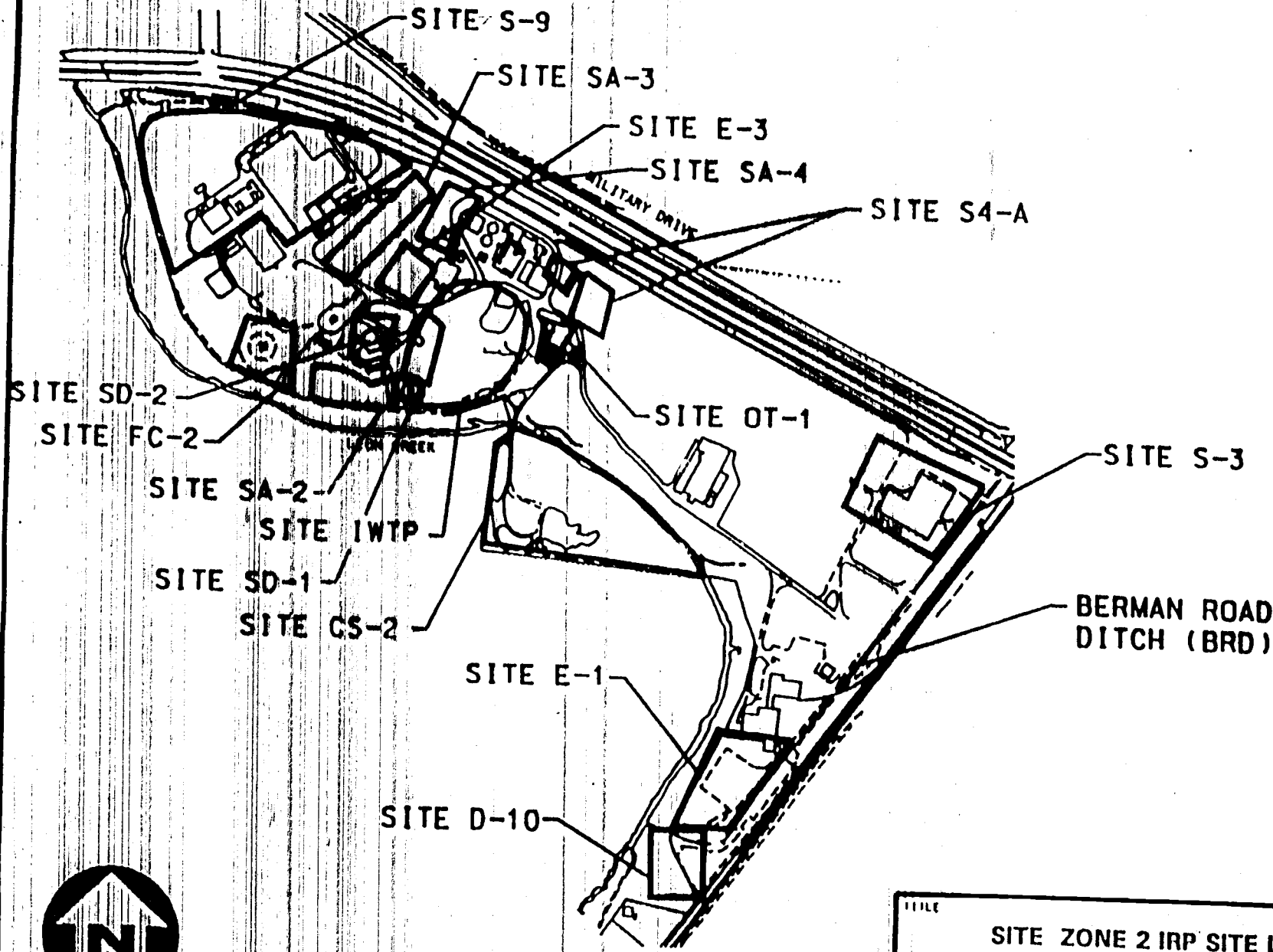
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Groundwater - Zone 2 *Overview*

- * **Project Manager: Kenny Johnson, P.E.**
- * **Location:**
 - * **Military Drive**
 - * **Union Pacific Railroad Yard**
 - * **Southern Base Boundary**
- * **Site Characteristics:**
 - * **Consists of 164 acres**
 - * **16 IRP Sites including:**
 - * **3 RCRA-Regulated units (E-3, SD-1, SA-2)**

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1.7



GRAPHIC SCALE

0 700' 1400'

TITLE	
SITE ZONE 2 IRP SITE LOCATIONS	
KELLY AIR FORCE BASE SAN ANTONIO, TEXAS	
DRAWING NO.	DATE

Groundwater - Zone 2 *Overview*

Historical Uses:

- * **Jet Engine Testing**
- * **Wastewater Treatment**
- * **Fire Control Training**
- * **Waste Disposal in Evaporating Pits**
- * **Sludge Drying in Land Spreading Areas**
- * **Equipment and Material Storage**

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Groundwater - Zone 2

Overview

- * Area of impacted shallow groundwater is approximately 156 acres

- * Main areas of impacted shallow groundwater include: Sites E-1 and E-3

- * Major Organic Chemicals include: Solvents

- * Major Metal Chemicals include:
 - * Manganese, Arsenic, Nickel, Antimony

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Groundwater - Zone 2 *Program Status*

- * Remedial Investigation (RI) completed for all Sites
- * Interim Remedial Actions (IRAs)- 4 major efforts operating since 1993
 - * Site E-1
 - * Site E-3
 - * Site CS-2
 - * Site IWTP

- * Note: 4 IRAs are in place. All IRAs are incorporated into the preferred alternatives

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Groundwater - Zone 2

Potential On-Base Exposure Pathways

- * Leon Creek Along Southern Boundary**

- * Present Exposure Pathways**
 - * Human - Contact with Leon Creek through dermal contact, inhalation and ingestion**
 - * Environment - Leon Creek**

- * Future Exposure Pathways**
 - * Humans - Contact with Leon Creek through dermal contact, inhalation and ingestion**
 - * Environment - Leon Creek**

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Groundwater - Zone 2

Potential Off-Base Exposure Pathways

- * Privately Owned Property
- * Leon Creek
- * Present Exposure Pathways
 - * Human - Contact with Leon Creek
 - * Environment - Leon Creek
- * Future Exposure Pathways
 - * Humans - Household use (Ingestion, Dermal Contact, Inhalation), Contact with Leon Creek
 - * Environment - Leon Creek

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Groundwater - Zone 2

Operable Unit 1

- * On Base consisting of 174 acres

- * High organic and metal constituents
 - * Organic chemicals: Solvents
 - * Metal chemicals: Nickel, and Chromium

- * Encompasses source areas

- * Existing interim action system

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Operable Unit 1

Preferred Alternative

OPERABLE UNIT 1 - Proposed Clean Up Action

**DEED RESTRICTIONS
GROUNDWATER MONITORING
COLLECTION TRENCHES
IN SITU AEROBIC BIOREMEDIATION
OXIDATION
PRECIPITATION
REINJECTION**

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Operable Unit 1 *Cost Summary*

OPERABLE UNIT 1 - Proposed Clean Up Action

* **Installation Time - 12-18 months**

* **Shortest Cleanup Time - 8 years**

* **Cost - \$17.80 Million over 30 years**

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Groundwater - Zone 2

Operable Unit 2

OPERABLE UNIT 2 - Proposed Clean Up Action

- * Off Base consists of 24 acres
- * Low Organic concentrations: Solvents
- * Private property

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Operable Unit 2 *Preferred Alternative*

OPERABLE UNIT 2 - Proposed Clean Up Action

DEED RESTRICTIONS GROUNDWATER MONITORING

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Operable Unit 2

Cost Summary

OPERABLE UNIT 2 - Proposed Clean Up Action

* Shortest Clean Up Time - 30 Years

* Cost - \$562,000

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Groundwater - Zone 2 *Summary*

* OPERABLE UNIT 1

\$17.80 Million

- * DEED RESTRICTIONS
- * GROUNDWATER MONITORING
- * REINJECTION
- * COLLECTION TRENCHES
- * IN SITU AEROBIC BIOREMEDIATION
- * OXIDATION
- * PRECIPITATION
- * SLURRY WALL

* OPERABLE UNIT 2

\$562,000

- * DEED RESTRICTIONS
- * GROUNDWATER MONITORING

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Proposed Clean Up Groundwater Zone 3



December 12, 1994

FIGURE 1
REGIONAL LOCATION MAP OF KELLY AIR FORCE BASE AND SITE ZONE 3

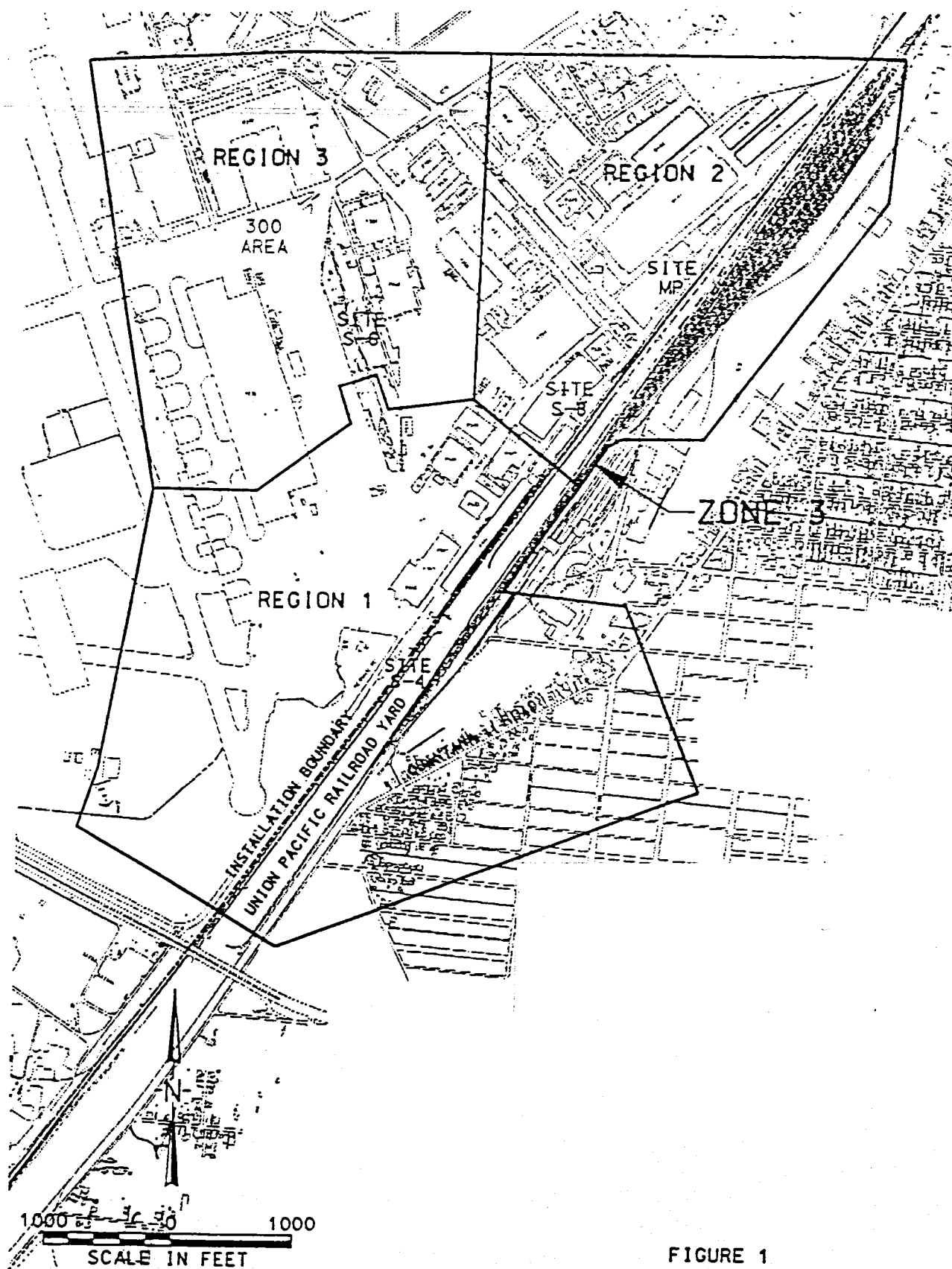


FIGURE 1
REGIONAL LOCATION MAP
OF KELLY AIR FORCE BASE AND ZONE 3

Groundwater - Zone 3 *Overview*

- * **Project Manager: Victoria Wark**
- * **Location:**
 - * **Eastern Base Boundary**
 - * **Union Pacific Railroad Yard**
 - * **Quintana Road neighborhood**
- * **Site Characteristics:**
 - * **Consists of 488 Acres**
 - * **10 IRP Sites including:**
 - * **1 RCRA-regulated unit (Site S-8)**

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Groundwater - Zone 3 *Program Status*

- * **Interim Remedial Actions (IRAs) - 5 major efforts**
 - * **Site S-4/Quintana Road IFPRS**
 - * **Site S-8 IFPRS**
 - * **Site S-4 Upgrade**
 - * **Site OT-2 GWRS**
 - * **Quintana Road Storm Drainage Project
(provides containment structure)**

- * **Note: 2 IRAs are in place, 3 IRAs are under construction. All IRAs are incorporated into the FS preferred alternative.**

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Groundwater - Zone 3

Potential Exposure Pathways

- * **Currently, no potential exposure pathways exist to expose any populations to the shallow groundwater.**

- * **Future plans include provisions to prevent any exposure to any and all off-base or on-base persons, where applicable.**

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Groundwater - Zone 3

Preferred Alternative

- * OPERABLE UNIT 1 - Proposed Clean Up Action

- * Deed Restrictions
- * Groundwater Monitoring
- * Extraction Wells
- * Ex Situ Oxidation Treatment (organics)
- * Ex Situ Precipitation Treatment (inorganics)
- * Disposal at EPCF
- * Underground Containment Structure Off-base

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Groundwater - Zone 3

Preferred Alternative

- * Costs inclusive of current upgrades to existing systems

- * Capital costs:
 - * \$8.3 million

- * O&M/Long-Term Monitoring (30 years):
 - * \$28.6 million

- * Total Cost \$36.9 million

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Restoration Advisory Board *Workshop*



December 12, 1994

Restoration Advisory Board

Proposed Workshop

- * Purpose of Workshop - To provide details on the IRP giving RAB members the goals, strategy, and status of the clean up program.
- * Dates Recommended (In priority)
 - * January 5, 1995 - 8:00 am to 4:00 pm
 - * January 7, 1995 - 8:00 am to 4:00 pm
 - * January 4-5, 1995 - 6:30 pm to 9:30 pm (2 nights)
 - * Workshop to be conducted on Kelly AFB, Texas

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Thank You

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE