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Ser 09ER1/L5054
February 1, 1995

From: Commanding Officer, Engineering Field Activity West
To: Distribution

Subj: PROPOSED PARCEL SCHEDULES AND ASSUMPTIONS, ENGINEERING FIELD ACTIVITY WEST, NAVAL FACILITIES ENGINEERING COMMAND, HUNTERS POINT ANNEX

Encl: (1) Subject Proposed Parcel Schedules and Assumptions

1. In accordance with the Federal Facility Agreement (FFA) for Hunters Point Annex, enclosure (1) is forwarded for your review. If required, we are available by phone or in person to discuss our proposal. We have set aside February 7th as possible meeting date to discuss the proposed schedules and assumptions.

2. An evaluation of the events since the FFA parcel schedules were proposed in mid-1994 indicates the need for reconsideration of those schedules at Hunters Point Annex (HPA), San Francisco, CA. The previous schedules for HPA have been based upon the assumption that funding was unlimited. This implied that the Remedial Investigation/Feasibility Study (RI/FS) was driven by scheduling considerations such as available laboratory capacity, and the necessary sequencing of activities.

Within the past ten months, three major factors have impacted the previously proposed parcel schedules. These factors are as follows:

A. Budget Constraints

Engineering Field Activity West (EFA West) has a budget for all of the facilities under its jurisdiction. Each facility has a set of funding requirements for work to be conducted at that facility. The funds allocated to each facility may or may not be the same as the proposed funding requirements for the particular facility, but in these times of cost cutting, EFA West prioritizes the funds for each facility. The funds made available for each facility are usually less than originally requested.

A recent compliance related study at HPA revealed the existence of 28 additional IR sites through the site assessment survey. This survey which completed the preliminary assessment process for the remaining sites at HPA proposed additional work at 28 sites out of 74 visited. To complete the remedial investigation at each parcel, this additional

phase of the site inspection/remedial investigation will need to be completed and the results incorporated into the RI report. This work was proposed for incorporation into the original scheduled RI work; however, due to a lack of available funds in early to mid 1994, this work, scheduled to be done under CTO 325, was not funded. Subsequent to this situation, the issue of contract capacity under the CLEAN I contract halted further consideration, creating the present 10 to 12 month delay. Even with these funding problems, the Navy obligated $20 million in Fiscal Year (FY) 1994 and $7.0 million to date in FY 95 in support of the HPA Program.

B. Project Prioritization

A review of all of the regulatory agencies' review comments indicate their concern regarding the offshore component of each parcel SI report. The agencies expressed their concerns about the ecological components, particularly along the shoreline of each parcel, which had not been scheduled to be addressed in the parcel SI reports. To address these concerns, the ecological risk assessment would have to be completed through both phases 1A and 1B. This places the completion of phase 1B ecological risk assessment work on the critical path for each parcel RI/FS report. As a result of extensive regulatory input and the time to incorporate their comments in the phase 1B workplan, the present implementation of the ecological risk assessment activities is a minimum of 4 to 6 months behind the original schedule.

C. Contract Capacity Limitations

The final factor impacting the schedules resulted from the structuring of the RI/FS schedules and the contract capacity of the Navy CLEAN I contract. To accelerate the RI/FS at HPA, the acquisition of the RI field data was funded under an accelerated mode, with the additional field work at the site assessment sites and the actual report writing to be funded subsequently in a later CTO since these tasks had a longer lead time. This subsequent phase of field work and report writing was halted as a result of lack of funds and lack of contract capacity. The capacity of the Navy CLEAN contract has been reached much earlier than anticipated since the Navy also accelerated its RI at all of its other facilities using up capacity at a much greater rate than anticipated. As a result, the Navy is proceeding with a second CLEAN contract to complete the RI work. This contracting action, which results in selection of the best firm, and which is yet to be completed due to a contractual protests, has delayed the implementation of the site assessment site field work and report writing by 6 to 12 months from the original schedule.

3. If you have any questions, please contact me at (415) 244-3596 or FAX (415) 244-2567.

Original signed by:

RICHARD POWELL
By direction

Distribution:
US Environmental Protection Agency (Attn: Alydda Mangelsdorf) (w/2 cys of encl)
US Environmental Protection Agency (Attn: Ms. Claire Trombadore) (w/2 cys of encl)
Calif. Dept. of Toxic Substances Control (Attn: Cyrus Shabahari)
California Regional Water Quality Control Board (Attn: Mr. Richard Hiett)

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(w/ enclosure)
09ER, 09ER1, 09ER1DS, 09ER1WR, 09ER1WM, 09C, 09CMN, T4D1MM
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Admin Records (3 copies)
File: HPA

Proposed FFA Schedule Without ERA Tasks
Parcel B
Hunters Point Annex

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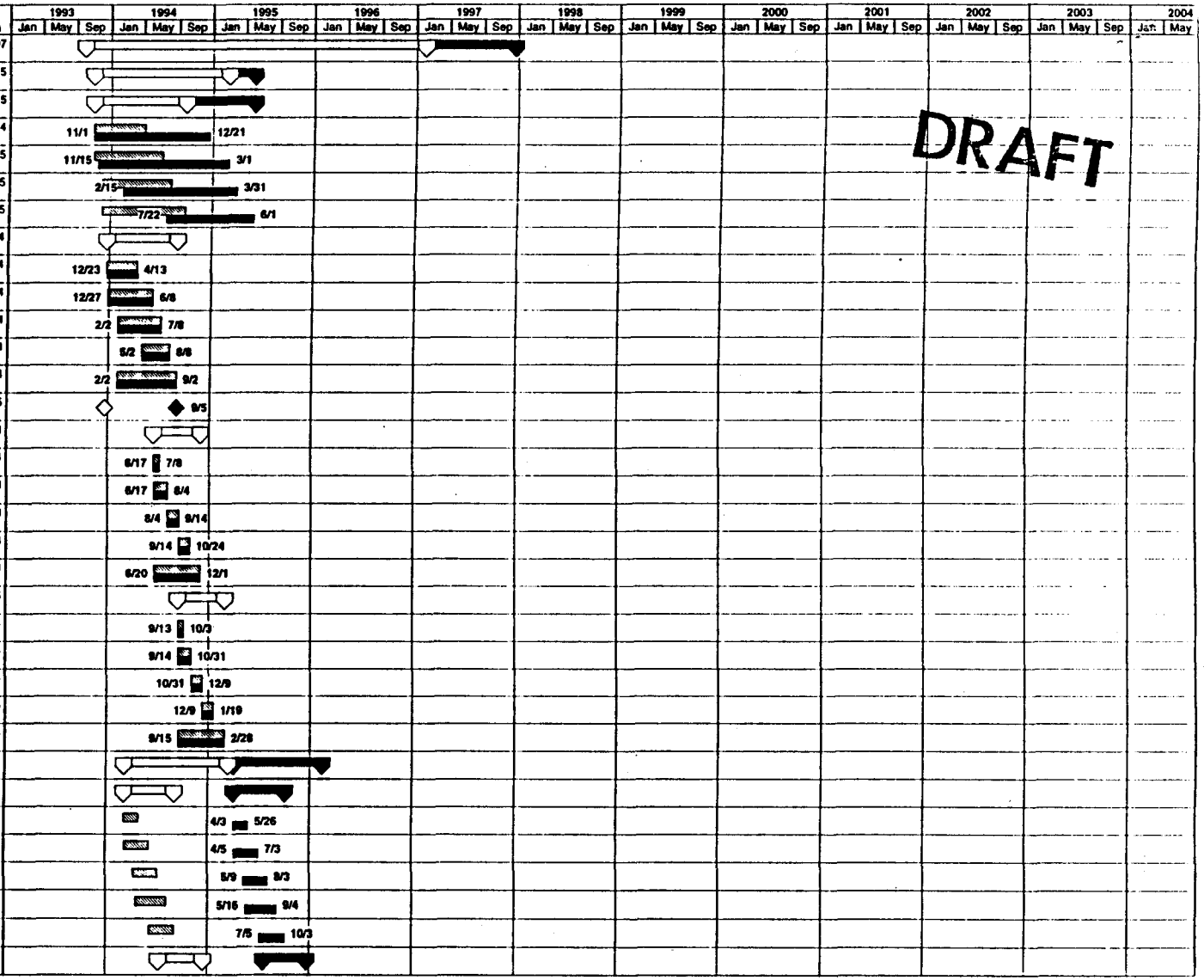
ID	Task Name	Duration	Actual Start	Actual Finish
1	PARCEL B	1103d	10/1/93	12/22/97
2	Remedial Investigation Activities	415d	11/1/93	6/1/95
3	Soil Field Investigation	415d	11/1/93	6/1/95
4	Field Investigation	299d	11/1/93	12/21/94
5	Lab Analysis	339d	11/15/93	3/1/95
6	Data Validation	295d	2/15/94	3/31/95
7	Data Manage/ Interpret	226d	7/22/94	6/1/95
8	Round 1 Groundwater Sampling	182d	12/23/93	9/2/94
9	Field Investigation	80d	12/23/93	4/13/94
10	Lab Analysis	118d	12/27/93	6/8/94
11	Data Validation	113d	2/2/94	7/8/94
12	Technical Review	71d	5/2/94	8/8/94
13	Data Manage/ Interpret	153d	2/2/94	9/2/94
14	Aquifer Testing	150d	9/5/94	3/30/95
15	Round 2 Groundwater Sampling	121d	6/17/94	12/1/94
16	Field Investigation	16d	6/17/94	7/8/94
17	Lab Analysis	35d	6/17/94	8/4/94
18	Data Validation	30d	8/4/94	9/14/94
19	Technical Review	30d	9/14/94	10/24/94
20	Data Manage/Interpret	120d	6/20/94	12/1/94
21	Round 3 Groundwater Sampling	122d	9/13/94	2/28/95
22	Field Investigation	15d	9/13/94	10/3/94
23	Lab Analysis	35d	9/14/94	10/31/94
24	Data Validation	30d	10/31/94	12/9/94
25	Technical Review	30d	12/9/94	1/19/95
26	Data Manage/ Interpret	120d	9/15/94	2/28/95
27	SITE ASSESSMENT & ADD'L FIELD WORK SITES	227d	4/3/95	2/13/96
28	RI Field Investigation/ Round 1 GW	132d	4/3/95	10/3/95
29	Field Investigation	40d	4/3/95	5/26/95
30	Lab Analysis	64d	4/5/95	7/3/95
31	Data Validation	63d	5/9/95	8/3/95
32	Technical Review	80d	5/16/95	9/4/95
33	Data Manage/Interpret	65d	7/5/95	10/3/95
34	Round 2 Groundwater Sampling	112d	7/20/95	12/22/95

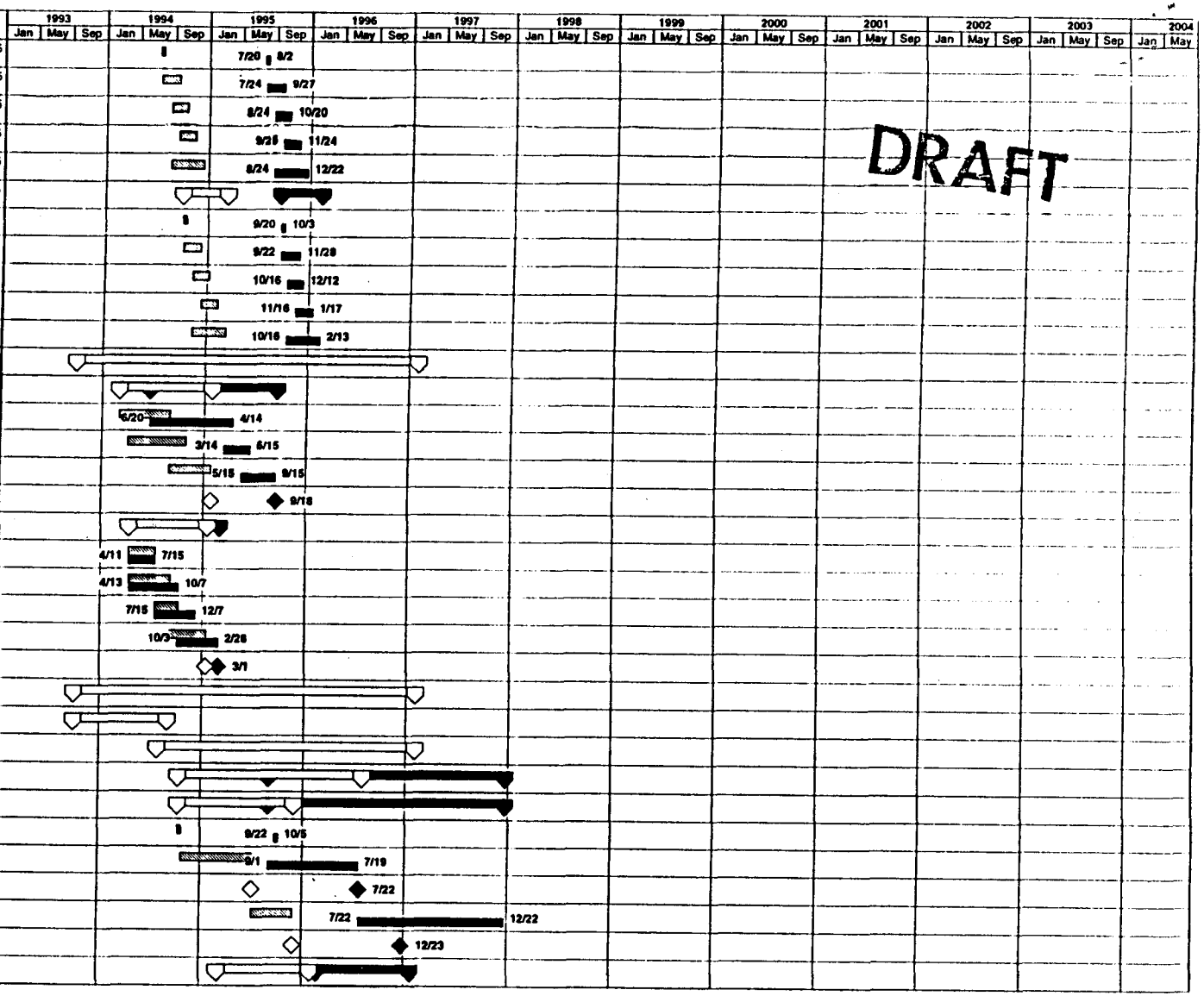


Revision : 1/25/95

Actual Task | Original Task | Actual Milestone | Original Milestone | Actual Summary | Original Summary

Proposed FFA Sc[illegible] Without ERA Tasks
Parcel B
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
35	Field Investigation	10d	7/20/95	8/2/95
36	Lab Analysis	48d	7/24/95	9/27/95
37	Data Validation	42d	8/24/95	10/20/95
38	Technical Review	45d	9/25/95	11/24/95
39	Data Manage/Interpret	87d	8/24/95	12/22/95
40	Round 3 Groundwater Sampling	105d	9/20/95	2/13/96
41	Field Investigation	10d	9/20/95	10/3/95
42	Lab Analysis	48d	9/22/95	11/28/95
43	Data Validation	42d	10/16/95	12/12/95
44	Technical Review	45d	11/16/95	1/17/96
45	Data Manage/ Interpret	87d	10/16/95	2/13/96
46	OTHER INVESTIGATIONS	873d	10/1/93	2/4/97
47	Radiation Investigation	326d	6/20/94	9/18/95
48	Radiation Field Investigation	216d	6/20/94	4/14/95
49	Data Management/Interpret	68d	3/14/95	6/15/95
50	Prepare Radiation Report	90d	5/15/95	9/15/95
51	Radiation Report to Agencies	0d	9/18/95	9/18/95
52	Air Sampling Investigation	233d	4/11/94	3/1/95
53	Air Sampling Field Investigation	70d	4/11/94	7/15/94
54	Air Sampling Lab Analysis	128d	4/13/94	10/7/94
55	Data Management/Interpret	105d	7/15/94	12/7/94
56	Prepare Air Sampling Report	108d	10/3/94	2/28/95
57	Air Sampling Report to Agencies	0d	3/1/95	3/1/95
58	Ecological Risk Assessment (ERA)	873d	10/1/93	2/4/97
59	ERA Ph. 1A	239d	10/1/93	8/31/94
62	ERA Ph. 1B	659d	7/28/94	2/4/97
78	RI/FS/ROD	602d	9/1/95	12/22/97
79	Remedial Investigation Report	602d	9/1/95	12/22/97
80	RI Presentation to Agencies	10d	9/22/95	10/5/95
81	Prepare RI Report	231d	9/1/95	7/19/96
82	Draft RI Report to Agencies	0d	7/22/96	7/22/96
83	Incorporate Agency Comments	371d	7/22/96	12/22/97
84	Draft Final RI Report to Agencies	0d	12/23/96	12/23/96
85	Feasibility Study Report	240d	2/23/96	1/24/97



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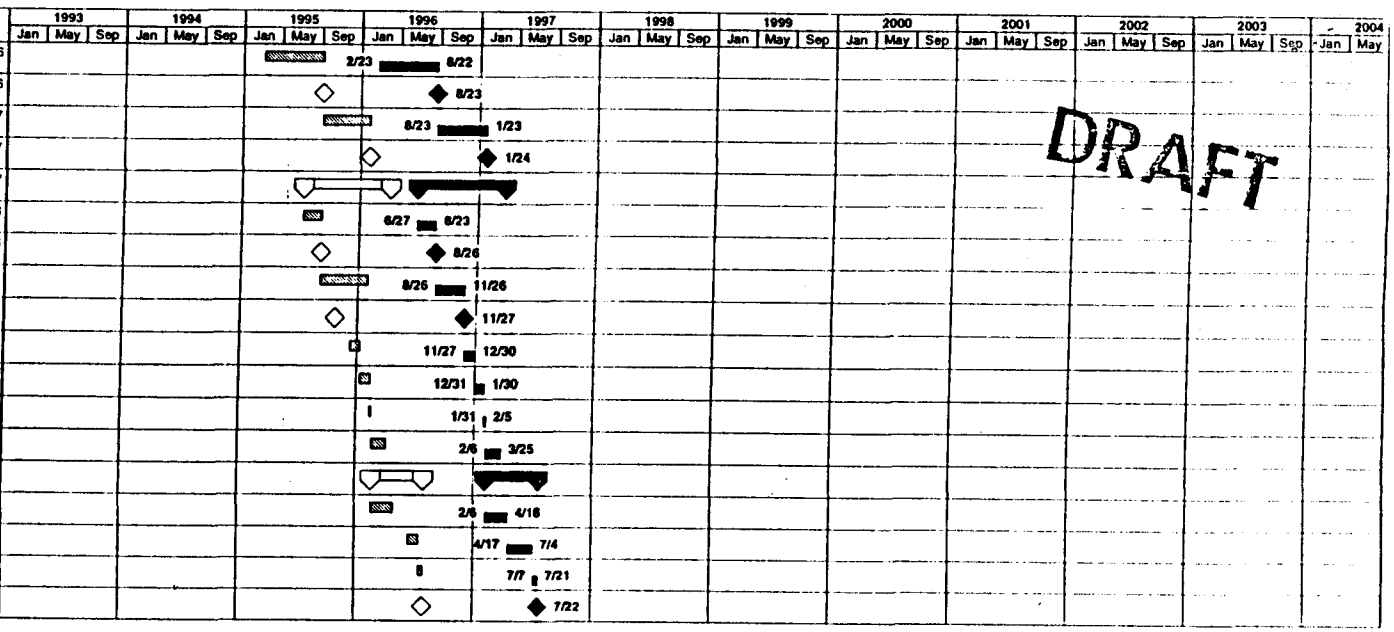
Revision : 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA Schedule Without ERA Tasks
Parcel B
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
86	Prepare FS Report	130d	2/23/96	8/22/96
87	Draft FS Report to Agencies	0d	8/23/96	8/23/96
88	Incorporate Agency Comments	110d	8/23/96	1/23/97
89	Draft Final FS Report to Agencies	0d	1/24/97	1/24/97
90	Proposed Plan	194d	6/27/96	3/25/97
91	Prepare Proposed Plan	42d	6/27/96	8/23/96
92	Draft Proposed Plan to Agencies	0d	8/26/96	8/26/96
93	Incorporate Agency Comments	67d	8/26/96	11/26/96
94	Draft Final Proposed Plan to Agencies	0d	11/27/96	11/27/96
95	Agency Review	24d	11/27/96	12/30/96
96	Final Proposed Plan to Agencies	23d	12/31/96	1/30/97
97	Proposed Plan, Public Notice	4d	1/31/97	2/5/97
98	Public Review and Comment	34d	2/6/97	3/25/97
99	Record of Decision	118d	2/6/97	7/22/97
100	Draft, Record of Decision	50d	2/6/97	4/16/97
101	Incorporate Agency Comments	57d	4/17/97	7/4/97
102	Final R.O.D. Approval	11d	7/7/97	7/21/97
103	Final R.O.D. Approved	0d	7/22/97	7/22/97



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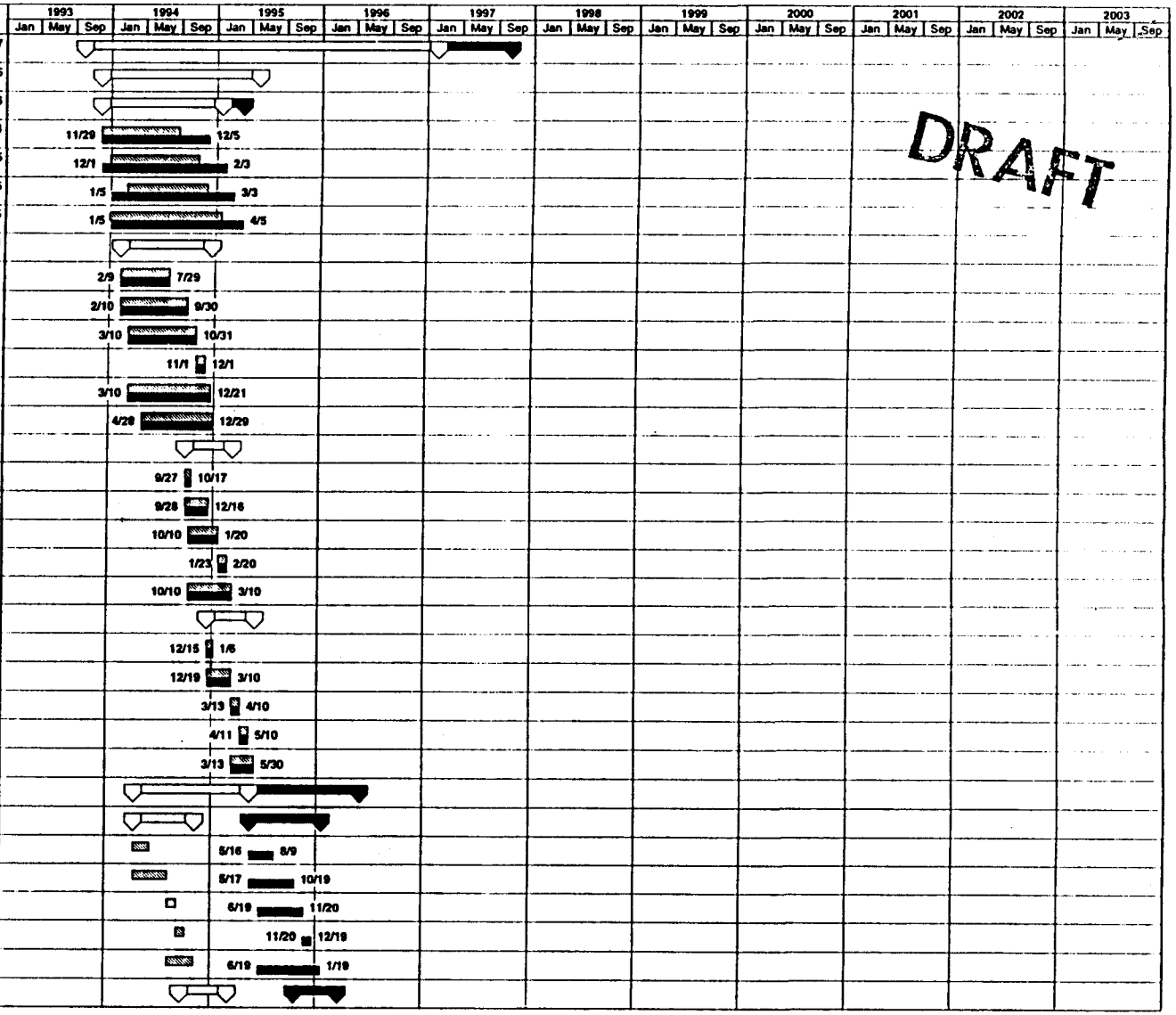
Revision : 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA Schedule Without ERA Tasks
Parcel C
Hunters Point Annex

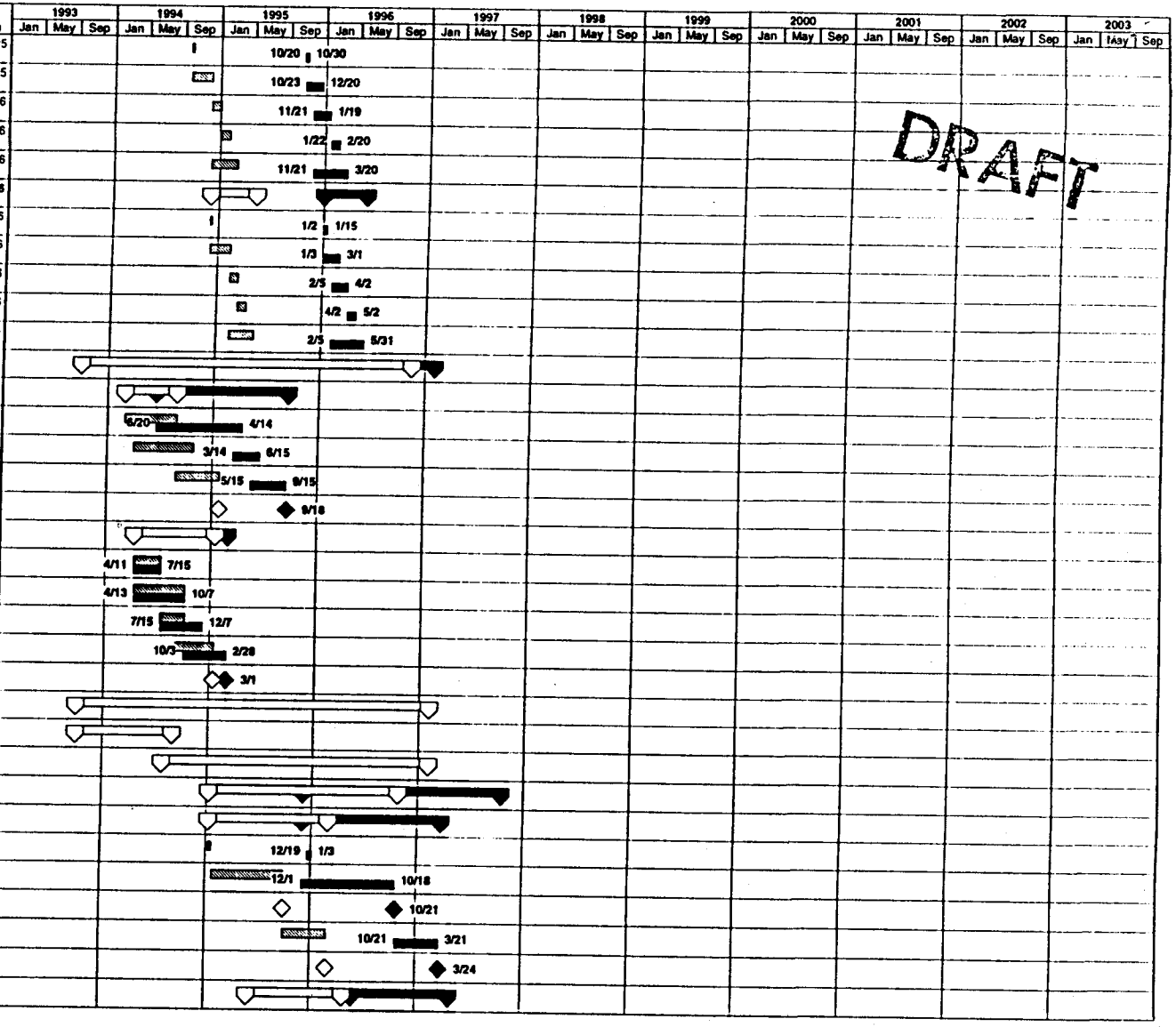
ID	Task Name	Duration	Actual Start	Actual Finish
1	PARCEL C	1054d	10/1/93	10/15/97
2	REMEDIAL INVESTIGATION ACTIVITIES	392d	11/29/93	5/30/95
3	Soil Field Investigation	353d	11/29/93	4/5/95
4	Field Investigation	266d	11/29/93	12/5/94
5	Lab Analysis	308d	12/1/93	2/3/95
6	Data Validation	303d	1/5/94	3/3/95
7	Data Manage/ Interpret	326d	1/5/94	4/5/95
8	Round 1 Groundwater Sampling	226d	2/9/94	12/21/94
9	Field Investigation	123d	2/9/94	7/29/94
10	Lab Analysis	167d	2/10/94	9/30/94
11	Data Validation	168d	3/10/94	10/31/94
12	Technical Review	23d	11/1/94	12/1/94
13	Data Manage/ Interpret	205d	3/10/94	12/21/94
14	Aquifer Testing	176d	4/28/94	12/29/94
15	Round 2 Groundwater Sampling	119d	9/27/94	3/10/95
16	Field Investigation	15d	9/27/94	10/17/94
17	Lab Analysis	58d	9/28/94	12/16/94
18	Data Validation	75d	10/10/94	1/20/95
19	Technical Review	21d	1/23/95	2/20/95
20	Data Manage/Interpret	110d	10/10/94	3/10/95
21	Round 3 Groundwater Sampling	119d	12/15/94	5/30/95
22	Field Investigation	17d	12/15/94	1/6/95
23	Lab Analysis	60d	12/19/94	3/10/95
24	Data Validation	21d	3/13/95	4/10/95
25	Technical Review	22d	4/11/95	5/10/95
26	Data Manage/Interpret	57d	3/13/95	5/30/95
27	Site Assessment & Add'l Field Work	274d	5/16/95	5/31/96
28	RI Field Investigation/Round 1 GW Sampling	179d	5/16/95	1/19/96
29	Field Investigation	62d	5/16/95	8/9/95
30	Lab Analysis	112d	5/17/95	10/19/95
31	Data Validation	111d	6/19/95	11/20/95
32	Technical Review	22d	11/20/95	12/19/95
33	Data Manage/Interpret	155d	6/19/95	1/19/96
34	Round 2 Groundwater Sampling	109d	10/20/95	3/20/96



Revision : 1/25/95 Actual Task Original Task Actual Milestone Original Milestone Actual Summary Original Summary

Proposed FFA Schedule Without ERA Tasks
Parcel C
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
35	Field Investigation	7d	10/20/95	10/30/95
36	Lab Analysis	43d	10/23/95	12/20/95
37	Data Validation	44d	11/21/95	1/19/96
38	Technical Review	22d	1/22/96	2/20/96
39	Data Manage/Interpret	87d	11/21/95	3/20/96
40	Round 3 Groundwater Sampling	109d	1/2/96	5/31/96
41	Field Investigation	10d	1/2/96	1/15/96
42	Lab Analysis	43d	1/3/96	3/1/96
43	Data Validation	42d	2/5/96	4/2/96
44	Technical Review	23d	4/2/96	5/2/96
45	Data Manage/ Interpret	85d	2/5/96	5/31/96
46	OTHER INVESTIGATIONS	872d	10/1/93	2/4/97
47	Radiation Investigation	326d	6/20/94	9/18/95
48	Radiation Field Investigation	215d	6/20/94	4/14/95
49	Data Management/Interpret	68d	3/14/95	6/15/95
50	Prepare Radiation Report	90d	5/15/95	9/15/95
51	Radiation Report to Agencies	0d	9/18/95	9/18/95
52	Air Sampling Investigation	232d	4/11/94	3/1/95
53	Air Sampling Field Investigation	70d	4/11/94	7/15/94
54	Air Sampling Lab Analysis	128d	4/13/94	10/7/94
55	Data Management/Interpret	104d	7/15/94	12/7/94
56	Prepare Air Sampling Report	107d	10/3/94	2/28/95
57	Air Sampling Report to Agencies	0d	3/1/95	3/1/95
58	Ecological Risk Assessment (ERA)	872d	10/1/93	2/4/97
59	ERA Ph. 1A	239d	10/1/93	8/31/94
62	ERA Ph. 1B	658d	7/28/94	2/4/97
78	RI/ FS/ ROD	489d	12/1/95	10/15/97
79	Remedial Investigation Report	341d	12/1/95	3/24/97
80	RI Presentation to Agencies	12d	12/19/95	1/3/96
81	Prepare RI Report	231d	12/1/95	10/18/96
82	Draft RI Report to Agencies	0d	10/21/96	10/21/96
83	Incorporate Agency Comments	110d	10/21/96	3/21/97
84	Draft Final RI Report to Agencies	0d	3/24/97	3/24/97
85	Feasibility Study Report	240d	5/27/96	4/28/97

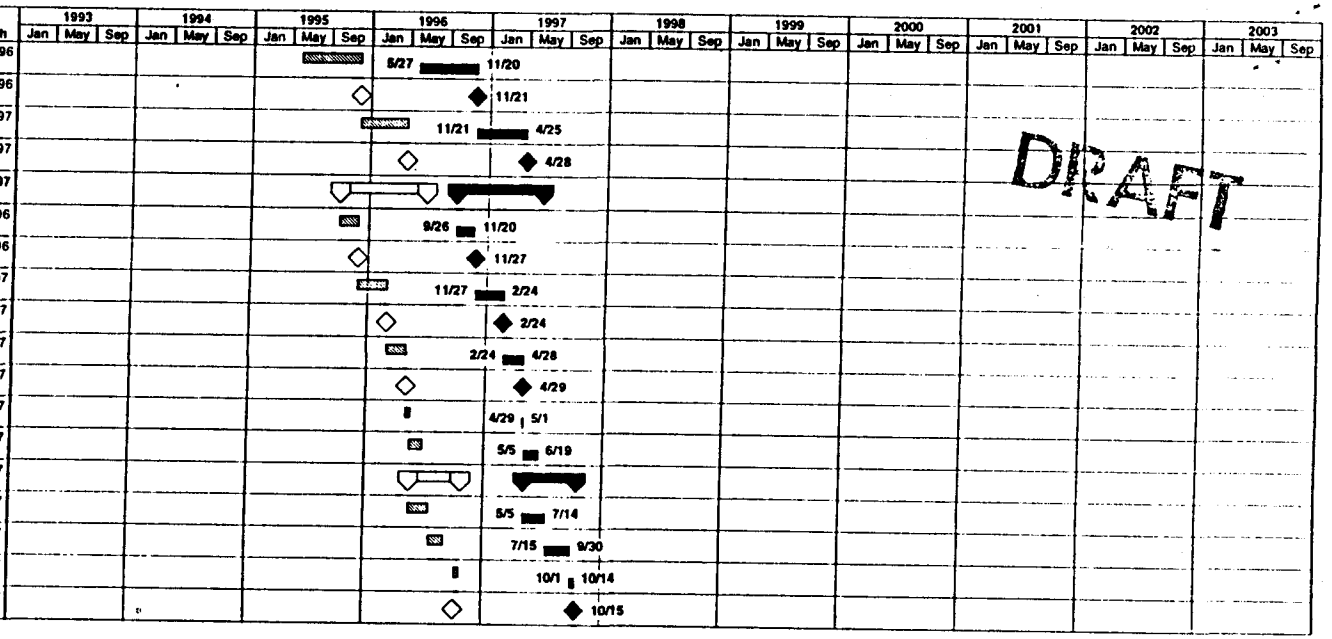


Revision : 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA S[illegible] Without ERA Tasks
Parcel C
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
86	Prepare FS Report	128d	5/27/96	11/20/96
87	Draft FS Report to Agencies	0d	11/21/96	11/21/96
88	Incorporate Agency Comments	112d	11/21/96	4/25/97
89	Draft Final FS Report to Agencies	0d	4/28/97	4/28/97
90	Proposed Plan	191d	9/26/96	6/19/97
91	Prepare Proposed Plan	40d	9/26/96	11/20/96
92	Draft Proposed Plan to Agencies	0d	11/27/96	11/27/96
93	Incorporate Agency Comments	64d	11/27/96	2/24/97
94	Draft Final Proposed Plan to Agencies	0d	2/24/97	2/24/97
95	Agency Review	46d	2/24/97	4/28/97
96	Final Proposed Plan to Agencies	0d	4/29/97	4/29/97
97	Proposed Plan, Public Notice	3d	4/29/97	5/1/97
98	Public Review and Comment	34d	5/5/97	6/19/97
99	Record of Decision	118d	5/5/97	10/15/97
100	Draft Record of Decision	51d	5/5/97	7/14/97
101	Incorporate Agency Comments	56d	7/15/97	9/30/97
102	Final R.O.D. Approval	10d	10/1/97	10/14/97
103	Final R.O.D. Approved	0d	10/15/97	10/15/97



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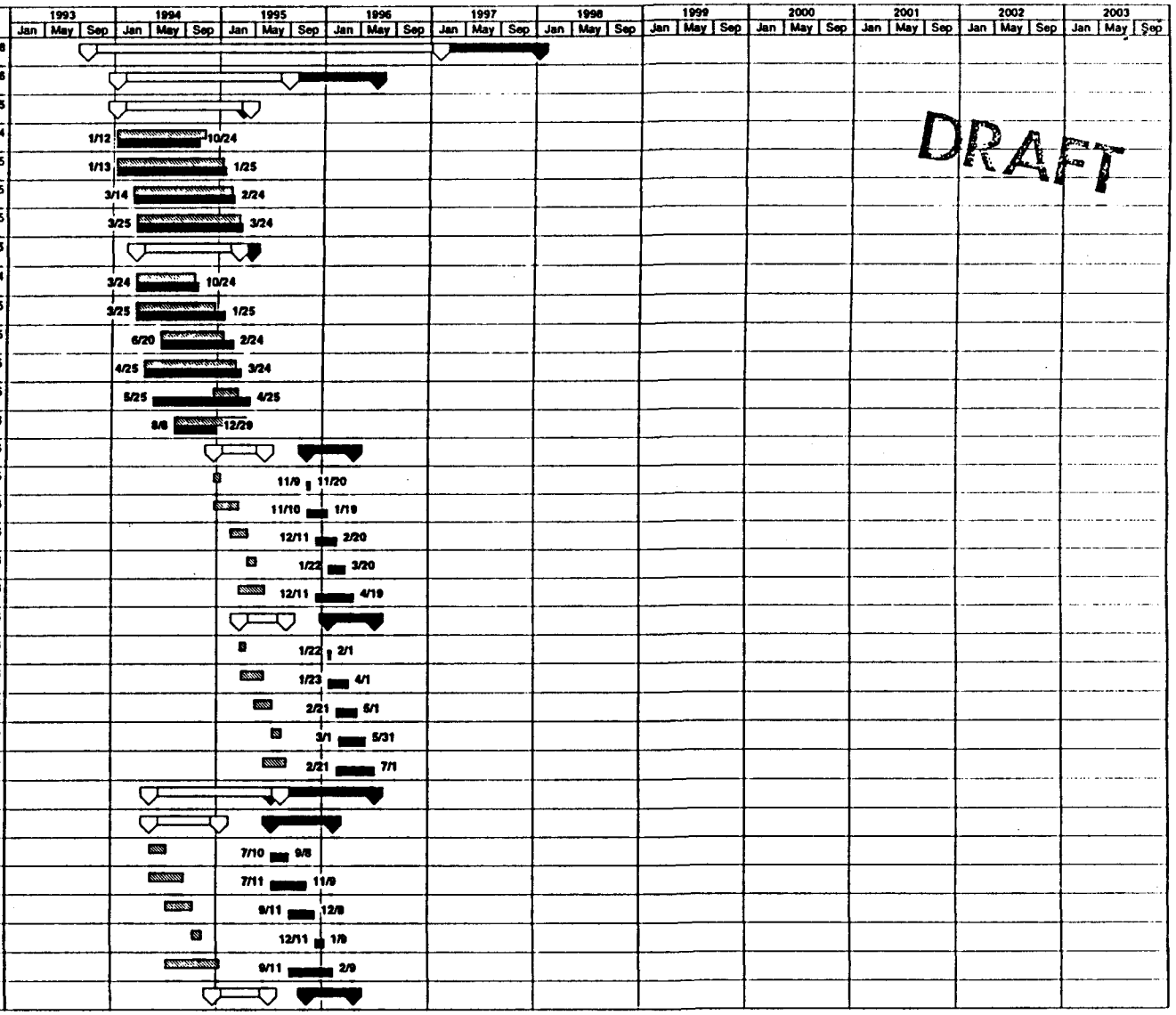
Revision : 1/25/95

Actual Task | Original Task | Actual Milestone | Original Milestone | Actual Summary | Original Summary

Proposed FFA Sc... Without ERA Tasks
Parcel D
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
1	PARCEL D	1117d	10/1/93	1/13/96
2	Remedial Investigation Activities	644d	1/12/94	7/1/96
3	Soil Field Investigation	313d	1/12/94	3/24/95
4	Field Investigation	204d	1/12/94	10/24/94
5	Lab Analysis	270d	1/13/94	1/25/95
6	Data Validation	250d	3/14/94	2/24/95
7	Data Manage/ Interpret	261d	3/25/94	3/24/95
8	Round 1 Groundwater Sampling	284d	3/24/94	4/25/95
9	Field Investigation	153d	3/24/94	10/24/94
10	Lab Analysis	219d	3/25/94	1/25/95
11	Data Validation	180d	6/20/94	2/24/95
12	Technical Review	240d	4/25/94	3/24/95
13	Data Manage/ Interpret	240d	5/25/94	4/25/95
14	Aquifer Testing	104d	8/8/94	12/29/94
15	Round 2 Groundwater Sampling	117d	11/9/95	4/19/96
16	Field Investigation	8d	11/9/95	11/20/95
17	Lab Analysis	51d	11/10/95	1/19/96
18	Data Validation	52d	12/11/95	2/20/96
19	Technical Review	43d	1/22/96	3/20/96
20	Data Manage/Interpret	95d	12/11/95	4/19/96
21	Round 3 Groundwater Sampling	116d	1/22/96	7/1/96
22	Field Investigation	9d	1/22/96	2/1/96
23	Lab Analysis	50d	1/23/96	4/1/96
24	Data Validation	51d	2/21/96	5/1/96
25	Technical Review	66d	3/1/96	5/31/96
26	Data Manage/Interpret	94d	2/21/96	7/1/96
27	Site Assessment & Add'l Field Work	256d	7/10/95	7/1/96
28	RI Field Investigation/Round 1 GW Sampling	155d	7/10/95	2/9/96
29	Field Investigation	45d	7/10/95	9/8/95
30	Lab Analysis	88d	7/11/95	11/9/95
31	Data Validation	65d	9/11/95	12/8/95
32	Technical Review	22d	12/11/95	1/9/96
33	Data Manage/Interpret	110d	9/11/95	2/9/96
34	Round 2 Groundwater Sampling	117d	11/9/95	4/19/96



Revision : 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA Sch... ...thout ERA Tasks
Parcel D
Hunters Point Annex

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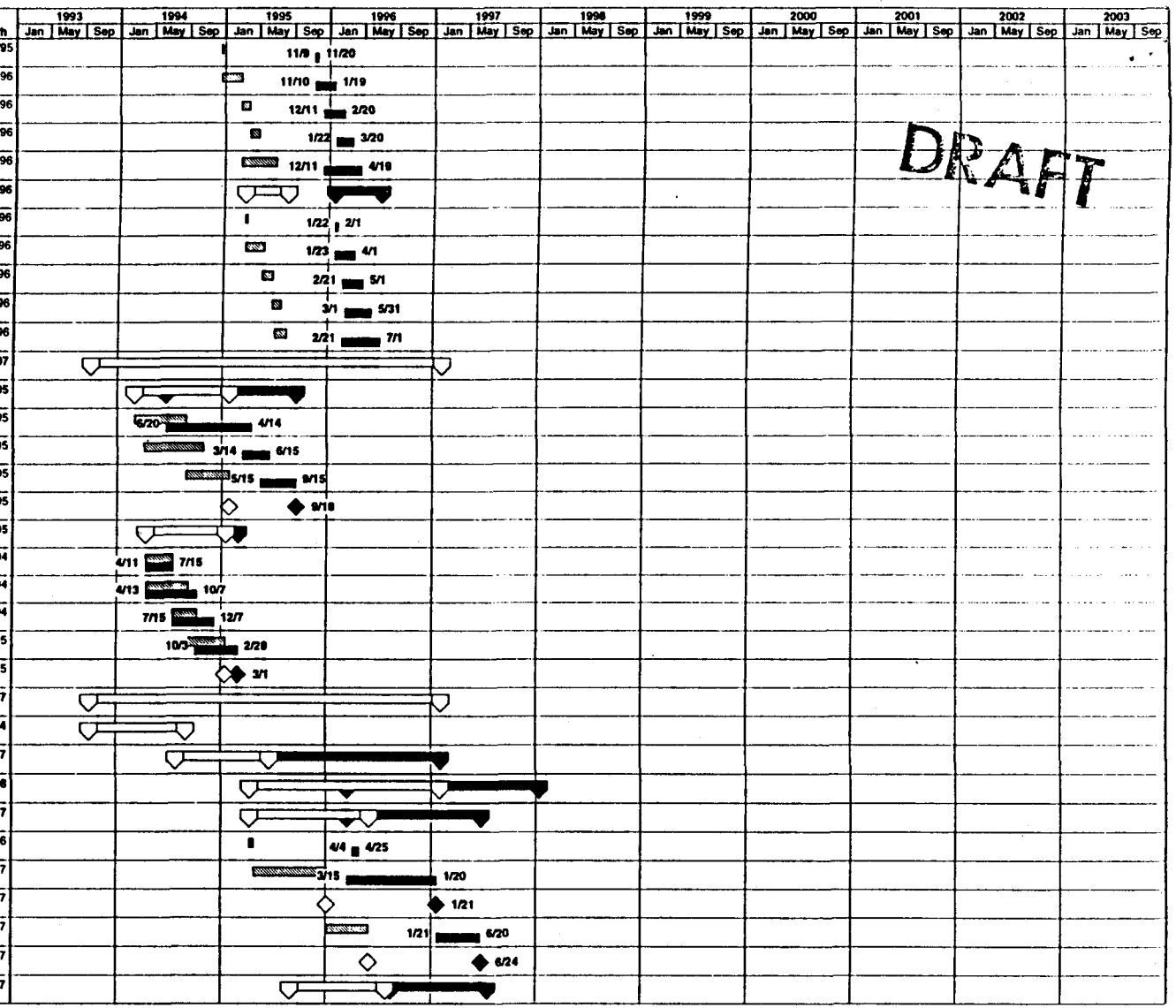
ID	Task Name	Duration	Actual Start	Actual Finish
35	Field Investigation	8d	11/9/95	11/20/95
36	Lab Analysis	51d	11/10/95	1/19/96
37	Data Validation	52d	12/11/95	2/20/96
38	Technical Review	43d	1/22/96	3/20/96
39	Data Manage/Interpret	95d	12/11/95	4/19/96
40	Round 3 Groundwater Sampling	116d	1/22/96	7/1/96
41	Field Investigation	9d	1/22/96	2/1/96
42	Lab Analysis	50d	1/23/96	4/1/96
43	Data Validation	51d	2/21/96	5/1/96
44	Technical Review	66d	3/1/96	5/31/96
45	Data Manage/ Interpret	94d	2/21/96	7/1/96
46	OTHER INVESTIGATIONS	872d	10/1/93	2/4/97
47	Radiation Investigation	325d	6/20/94	9/18/95
48	Radiation Field Investigation	215d	6/20/94	4/14/95
49	Data Management/Interpret	68d	3/14/95	6/15/95
50	Prepare Radiation Report	90d	5/15/95	9/15/95
51	Radiation Report to Agencies	0d	9/18/95	9/18/95
52	Air Sampling Investigation	232d	4/11/94	3/1/95
53	Air Sampling Field Investigation	70d	4/11/94	7/15/94
54	Air Sampling Lab Analysis	128d	4/13/94	10/7/94
55	Data Management/Interpret	104d	7/15/94	12/7/94
56	Prepare Air Sampling Report	107d	10/3/94	2/28/95
57	Air Sampling Report to Agencies	0d	3/1/95	3/1/95
58	Ecological Risk Assessment (ERA)	872d	10/1/93	2/4/97
59	ERA Ph. 1A	239d	10/1/93	8/31/94
62	ERA Ph. 1B	658d	7/28/94	2/4/97
78	RI/ FS/ ROD	477d	3/15/96	1/13/98
79	Remedial Investigation Report	332d	3/15/96	6/24/97
80	RI Presentation to Agencies	16d	4/4/96	4/25/96
81	Prepare RI Report	222d	3/15/96	1/20/97
82	Draft RI Report to Agencies	0d	1/21/97	1/21/97
83	Incorporate Agency Comments	109d	1/21/97	6/20/97
84	Draft Final RI Report to Agencies	0d	6/24/97	6/24/97
85	Feasibility Study Report	241d	8/15/96	7/17/97

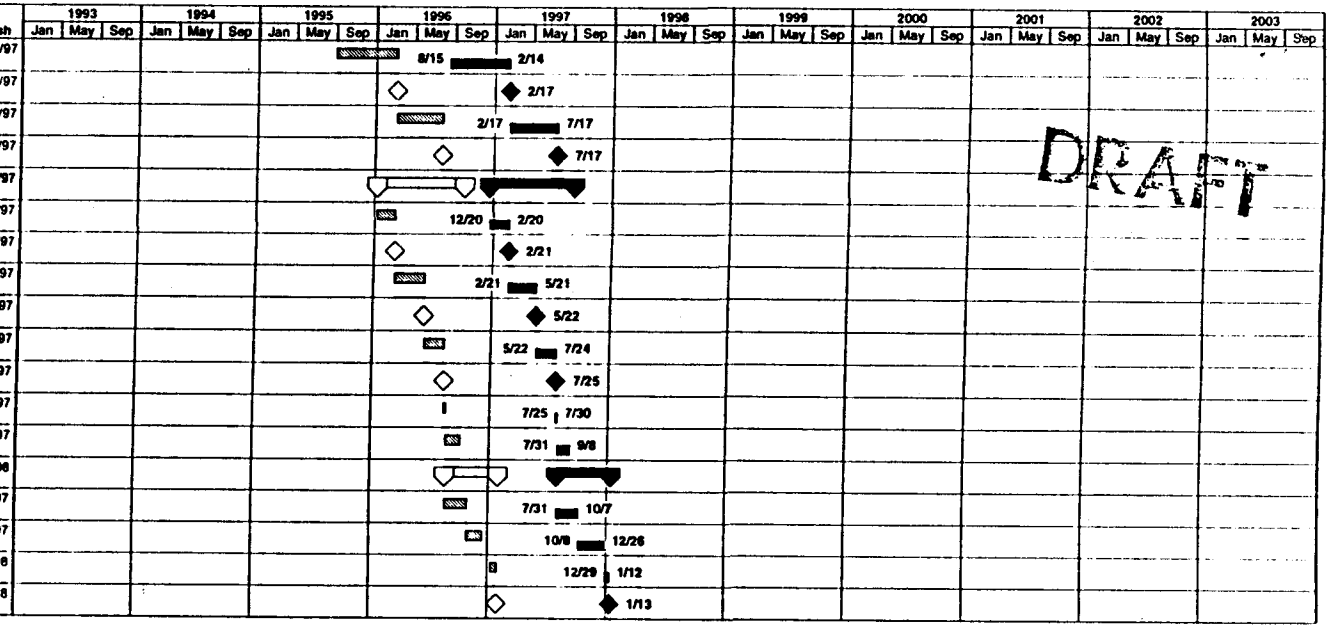


Revision : 1/25/95

Actual Task | Original Task | Actual Milestone | Original Milestone | Actual Summary | Original Summary

Proposed FFA Schedule Without ERA Tasks
Parcel D
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
86	Prepare FS Report	132d	8/15/96	2/14/97
87	Draft FS Report to Agencies	0d	2/17/97	2/17/97
88	Incorporate Agency Comments	109d	2/17/97	7/17/97
89	Draft Final FS Report to Agencies	0d	7/17/97	7/17/97
90	Proposed Plan	187d	12/20/96	9/8/97
91	Prepare Proposed Plan	45d	12/20/96	2/20/97
92	Draft Proposed Plan to Agencies	0d	2/21/97	2/21/97
93	Incorporate Agency Comments	64d	2/21/97	5/21/97
94	Draft Final Proposed Plan to Agencies	0d	5/22/97	5/22/97
95	Agency Review	46d	5/22/97	7/24/97
96	Final Proposed Plan to Agencies	0d	7/25/97	7/25/97
97	Proposed Plan, Public Notice	4d	7/25/97	7/30/97
98	Public Review and Comment	28d	7/31/97	9/8/97
99	Record of Decision	118d	7/31/97	1/13/98
100	Draft, Record of Decision	49d	7/31/97	10/7/97
101	Incorporate Agency Comments	58d	10/8/97	12/26/97
102	Final R.O.D. Approval	11d	12/29/97	1/12/98
103	Final R.O.D. Approved	0d	1/13/98	1/13/98



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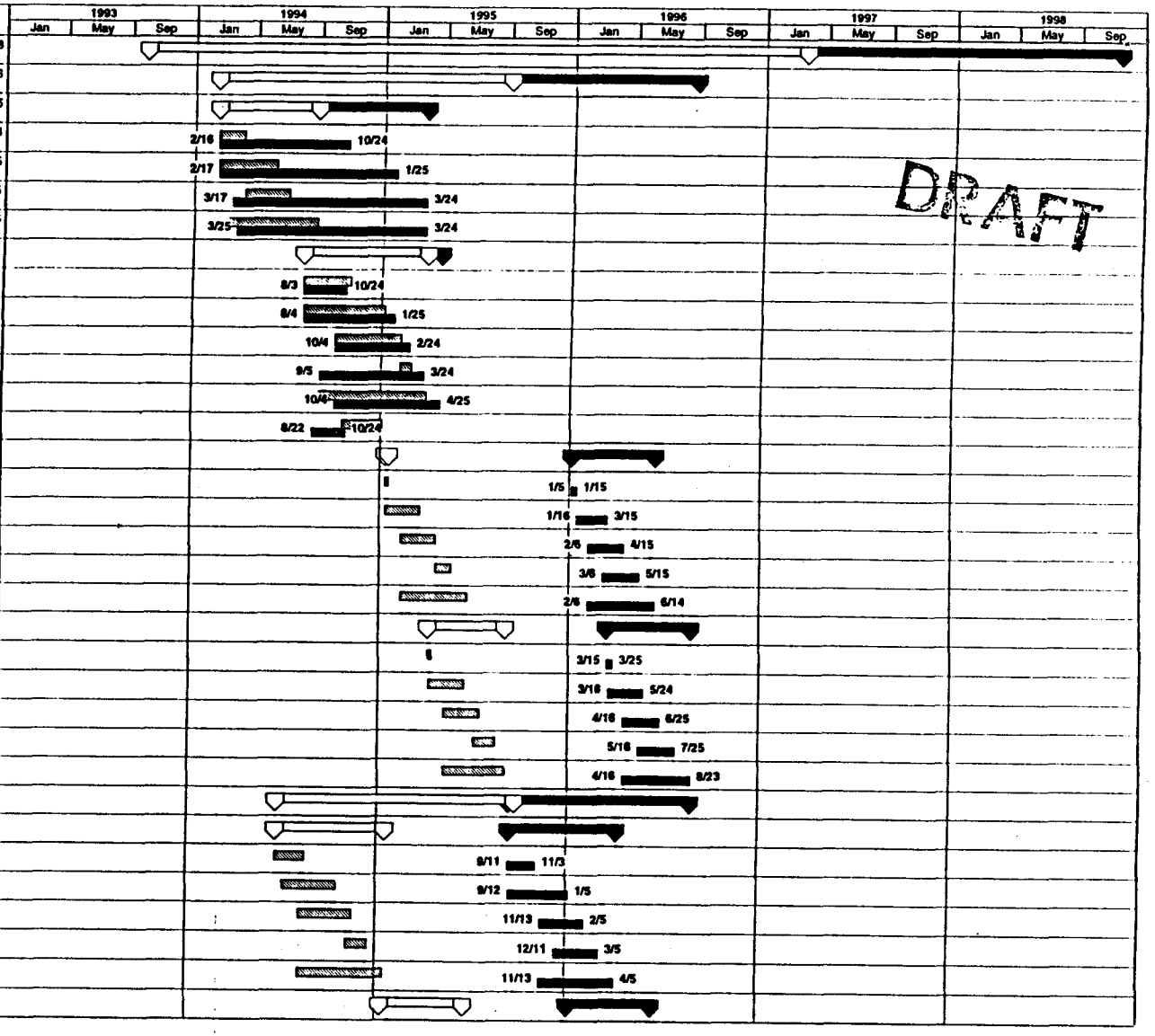
Revision : 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA Schedule Without ERA Tasks
Parcel E
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
1	PARCEL E	1337d	10/1/93	11/16/98
2	REMEDIAL INVESTIGATION ACTIVITIES	658d	2/16/94	8/23/96
3	Soil Field Investigation	288d	2/16/94	3/24/95
4	Field Investigation	179d	2/16/94	10/24/94
5	Lab Analysis	245d	2/17/94	1/25/95
6	Data Validation	267d	3/17/94	3/24/95
7	Data Manage/ Interpret	261d	3/25/94	3/24/95
8	Round 1 Groundwater Sampling	190d	8/3/94	4/25/95
9	Field Investigation	59d	8/3/94	10/24/94
10	Lab Analysis	125d	8/4/94	1/25/95
11	Data Validation	104d	10/4/94	2/24/95
12	Technical Review	145d	9/5/94	3/24/95
13	Data Manage/ Interpret	146d	10/4/94	4/25/95
14	Aquifer Testing	46d	8/22/94	10/24/94
15	Round 2 Groundwater Sampling	116d	1/5/96	6/14/96
16	Field Investigation	7d	1/5/96	1/15/96
17	Lab Analysis	44d	1/16/96	3/15/96
18	Data Validation	50d	2/6/96	4/15/96
19	Technical Review	51d	3/6/96	5/15/96
20	Data Manage/Interpret	94d	2/6/96	6/14/96
21	Round 3 Groundwater Sampling	116d	3/15/96	8/23/96
22	Field Investigation	7d	3/15/96	3/25/96
23	Lab Analysis	50d	3/18/96	5/24/96
24	Data Validation	51d	4/16/96	6/25/96
25	Technical Review	51d	5/16/96	7/25/96
26	Data Manage/Interpret	94d	4/16/96	8/23/96
27	Site Assessment & Add'l Field Work	250d	9/11/95	8/23/96
28	RI Field Investigation/Round 1 GW Sampling	150d	9/11/95	4/5/96
29	Field Investigation	40d	9/11/95	11/3/95
30	Lab Analysis	84d	9/12/95	1/5/96
31	Data Validation	61d	11/13/95	2/5/96
32	Technical Review	62d	12/11/95	3/5/96
33	Data Manage/Interpret	105d	11/13/95	4/5/96
34	Round 2 Groundwater Sampling	116d	1/5/96	6/14/96

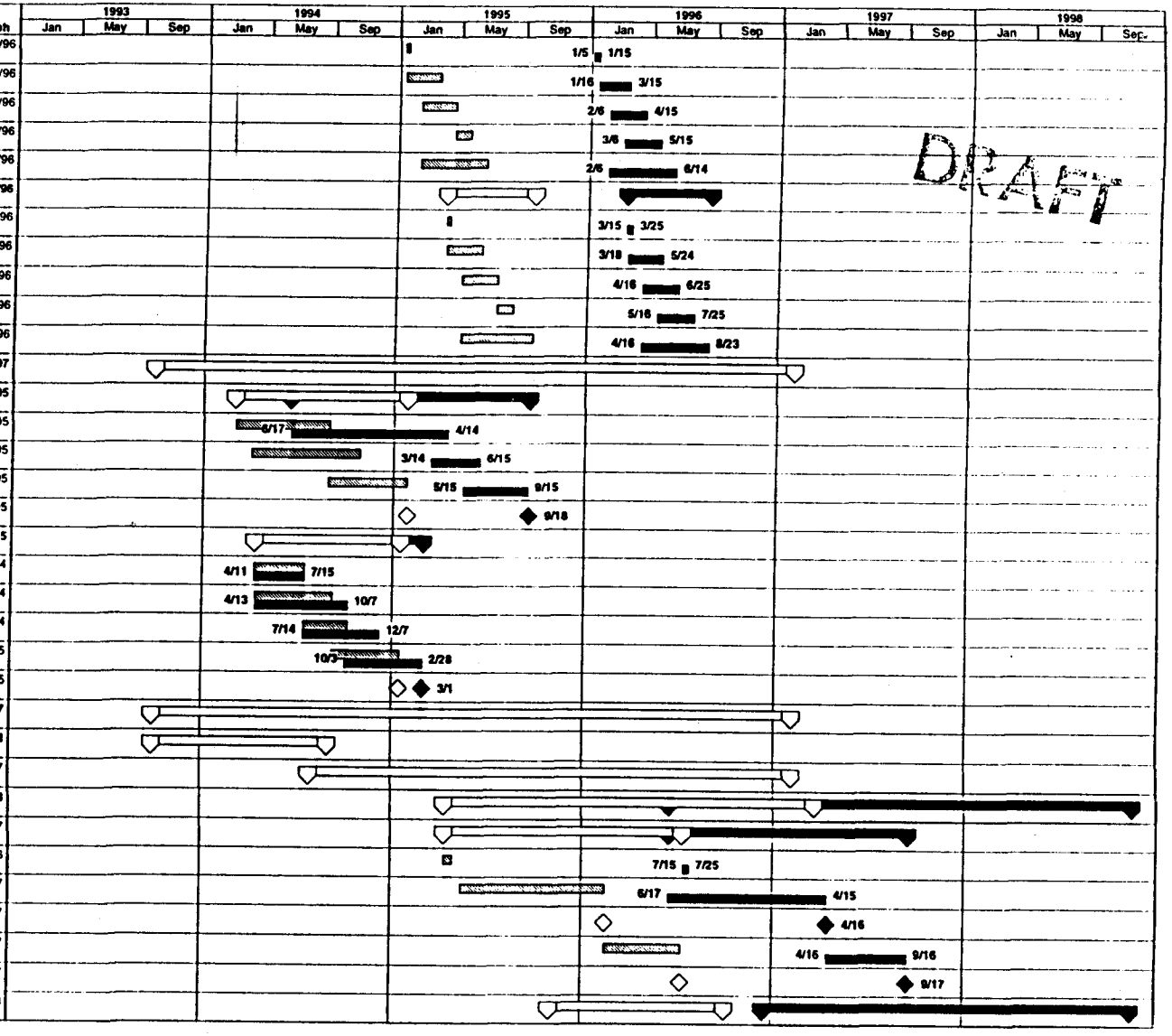


Revision : 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA Schedule Without ERA Tasks
Parcel E
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
35	Field Investigation	7d	1/5/96	1/15/96
36	Lab Analysis	44d	1/16/96	3/15/96
37	Data Validation	50d	2/6/96	4/15/96
38	Technical Review	51d	3/6/96	5/15/96
39	Data Manage/Interpret	94d	2/6/96	6/14/96
40	Round 3 Groundwater Sampling	116d	3/15/96	8/23/96
41	Field Investigation	7d	3/15/96	3/25/96
42	Lab Analysis	50d	3/18/96	5/24/96
43	Data Validation	51d	4/16/96	6/25/96
44	Technical Review	51d	5/16/96	7/25/96
45	Data Manage/ Interpret	94d	4/16/96	8/23/96
46	OTHER INVESTIGATIONS	872d	10/1/93	2/4/97
47	Radiation Investigation	326d	6/17/94	9/18/95
48	Radiation Field Investigation	216d	6/17/94	4/14/95
49	Data Management/Interpret	68d	3/14/95	6/15/95
50	Prepare Radiation Report	90d	5/15/95	9/15/95
51	Radiation Report to Agencies	0d	9/18/95	9/18/95
52	Air Sampling Investigation	232d	4/11/94	3/1/95
53	Air Sampling Field Investigation	70d	4/11/94	7/15/94
54	Air Sampling Lab Analysis	128d	4/13/94	10/7/94
55	Data Management/Interpret	105d	7/14/94	12/7/94
56	Prepare Air Sampling Report	107d	10/3/94	2/28/95
57	Air Sampling Report to Agencies	0d	3/1/95	3/1/95
58	Ecological Risk Assessment (ERA)	872d	10/1/93	2/4/97
59	ERA Ph. 1A	239d	10/1/93	8/31/94
62	ERA Ph. 1B	658d	7/28/94	2/4/97
78	RI/ FS/ ROD	631d	6/17/96	11/16/98
79	Remedial Investigation Report	327d	6/17/96	9/17/97
80	RI Presentation to Agencies	9d	7/15/96	7/25/96
81	Prepare RI Report	217d	6/17/96	4/15/97
82	Draft RI Report to Agencies	0d	4/16/97	4/16/97
83	Incorporate Agency Comments	110d	4/16/97	9/16/97
84	Draft Final RI Report to Agencies	0d	9/17/97	9/17/97
85	Feasibility Study Report	501d	12/16/96	11/16/98

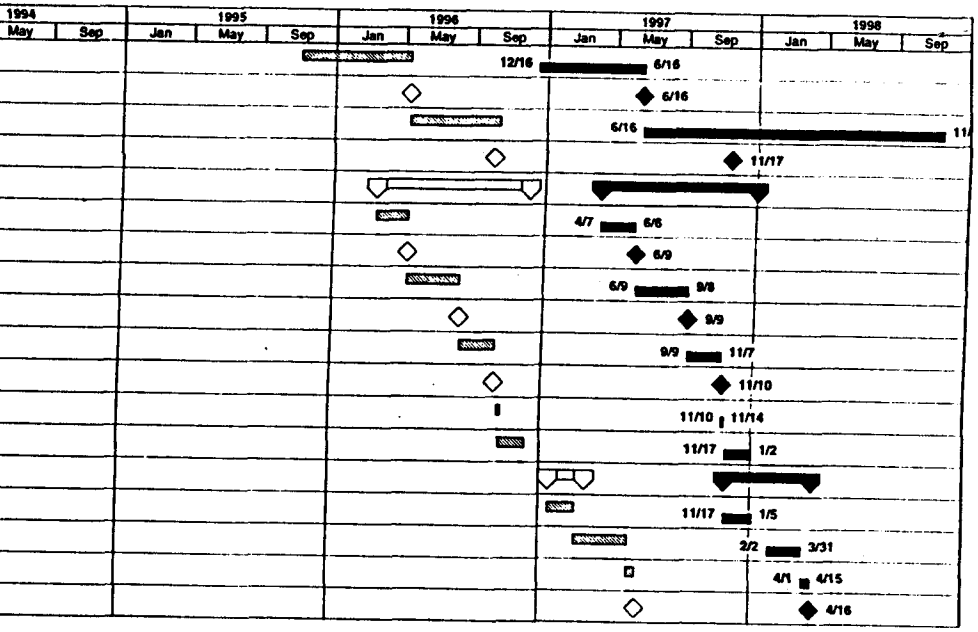


Revision : 1/25/95

Actual Task | Original Task | Actual Milestone | Original Milestone | Actual Summary | Original Summary

Proposed FFA Schedule Without ERA Tasks
Parcel E
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
86	Prepare FS Report	131d	12/16/96	6/16/97
87	Draft FS Report to Agencies	0d	6/16/97	6/16/97
88	Incorporate Agency Comments	371d	6/16/97	11/16/98
89	Draft Final FS Report to Agencies	0d	11/17/97	11/17/97
90	Proposed Plan	195d	4/7/97	1/2/98
91	Prepare Proposed Plan	45d	4/7/97	6/6/97
92	Draft Proposed Plan to Agencies	0d	6/9/97	6/9/97
93	Incorporate Agency Comments	66d	6/9/97	9/8/97
94	Draft Final Proposed Plan to Agencies	0d	9/9/97	9/9/97
95	Agency Review	44d	9/9/97	11/7/97
96	Final Proposed Plan to Agencies	0d	11/10/97	11/10/97
97	Proposed Plan, Public Notice	5d	11/10/97	11/14/97
98	Public Review and Comment	35d	11/17/97	1/2/98
99	Record of Decision	108d	11/17/97	4/16/98
100	Draft Record of Decision	36d	11/17/97	1/5/98
101	Incorporate Agency Comments	42d	2/2/98	3/31/98
102	Final R.O.D. Approval	11d	4/1/98	4/15/98
103	Final R.O.D. Approved	0d	4/16/98	4/16/98



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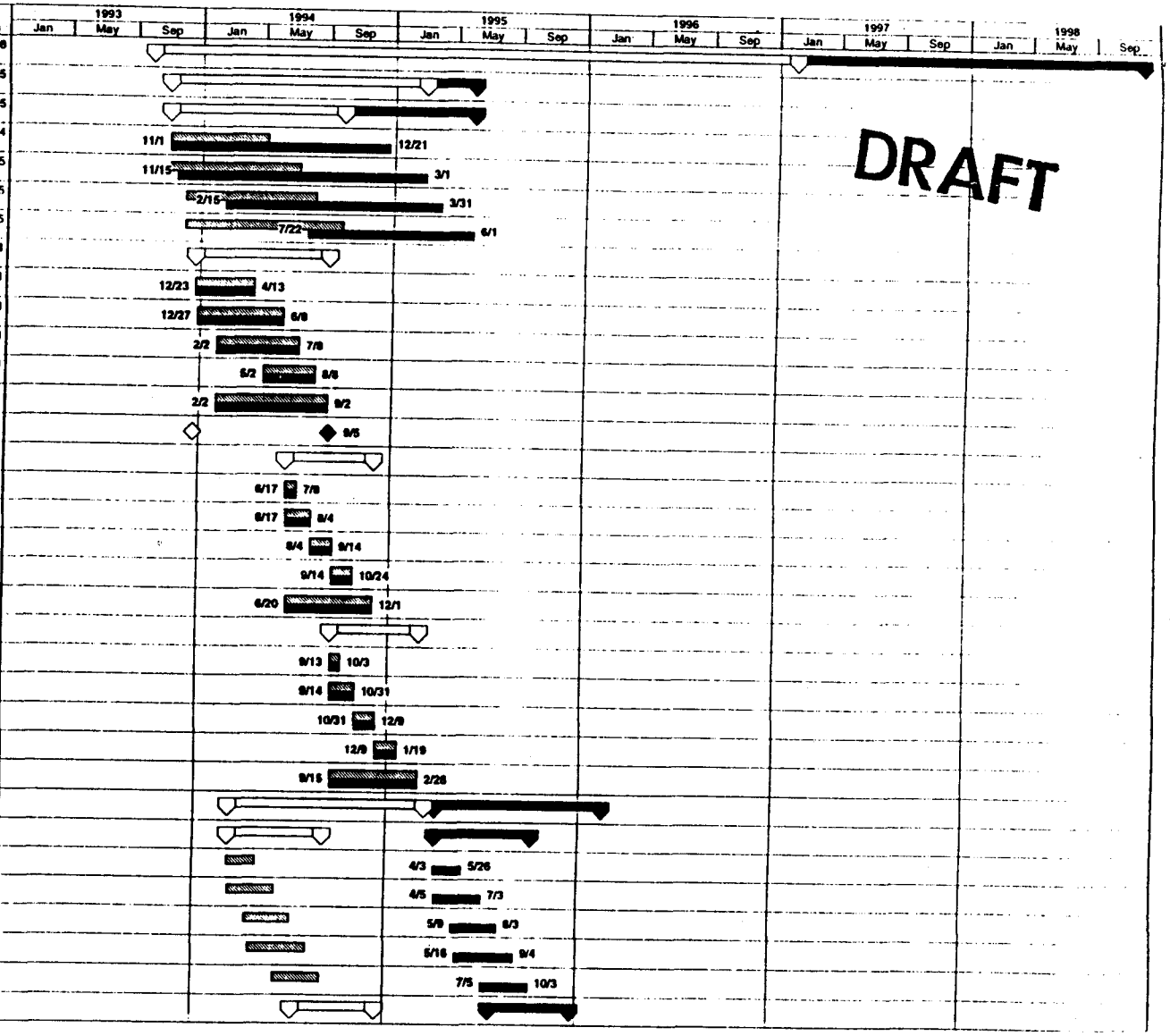
Revision : 1/25/95

Actual Task | Original Task | Actual Milestone | Original Milestone | Actual Summary | Original Summary

Proposed FP[illegible]ule
Parcel [illegible]
Hunters Point Annex

Task Name	Duration	Actual Start	Actual Finish
PARCEL B	1347d	10/1/93	11/30/98
REMEDIAL INVESTIGATION ACTIVITIES	415d	11/1/93	6/1/95
Soil Field Investigation	415d	11/1/93	6/1/95
Field Investigation	299d	11/1/93	12/21/94
Lab Analysis	339d	11/15/93	3/1/95
Data Validation	295d	2/15/94	3/31/95
Data Manage/ Interpret	226d	7/22/94	6/1/95
Round 1 Groundwater Sampling	182d	12/23/93	9/2/94
Field Investigation	80d	12/23/93	4/13/94
Lab Analysis	118d	12/27/93	6/8/94
Data Validation	113d	2/2/94	7/8/94
Technical Review	71d	5/2/94	8/8/94
Data Manage/ Interpret	153d	2/2/94	9/2/94
Aquifer Testing	150d	9/5/94	3/30/95
Round 2 Groundwater Sampling	121d	6/17/94	12/1/94
Field Investigation	16d	6/17/94	7/8/94
Lab Analysis	35d	6/17/94	8/4/94
Data Validation	30d	8/4/94	9/14/94
Technical Review	30d	9/14/94	10/24/94
Data Manage/Interpret	120d	6/20/94	12/1/94
Round 3 Groundwater Sampling	122d	9/13/94	2/28/95
Field Investigation	15d	9/13/94	10/3/94
Lab Analysis	35d	9/14/94	10/31/94
Data Validation	30d	10/31/94	12/9/94
Technical Review	30d	12/9/94	1/19/95
Data Manage/ Interpret	120d	9/15/94	2/28/95
SITE ASSESSMENT & ADD'L FIELD WORK SITES	227d	4/3/95	2/13/96
RI Field Investigation/ Round 1 GW	132d	4/3/95	10/3/95
Field Investigation	40d	4/3/95	5/26/95
Lab Analysis	64d	4/5/95	7/3/95
Data Validation	63d	5/9/95	8/3/95
Technical Review	80d	5/16/95	9/4/95
Data Manage/Interpret	65d	7/5/95	10/3/95
Round 2 Groundwater Sampling	112d	7/20/95	12/22/95



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Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed F[illegible]dule
Parcel [illegible]
Hunters Point Annex

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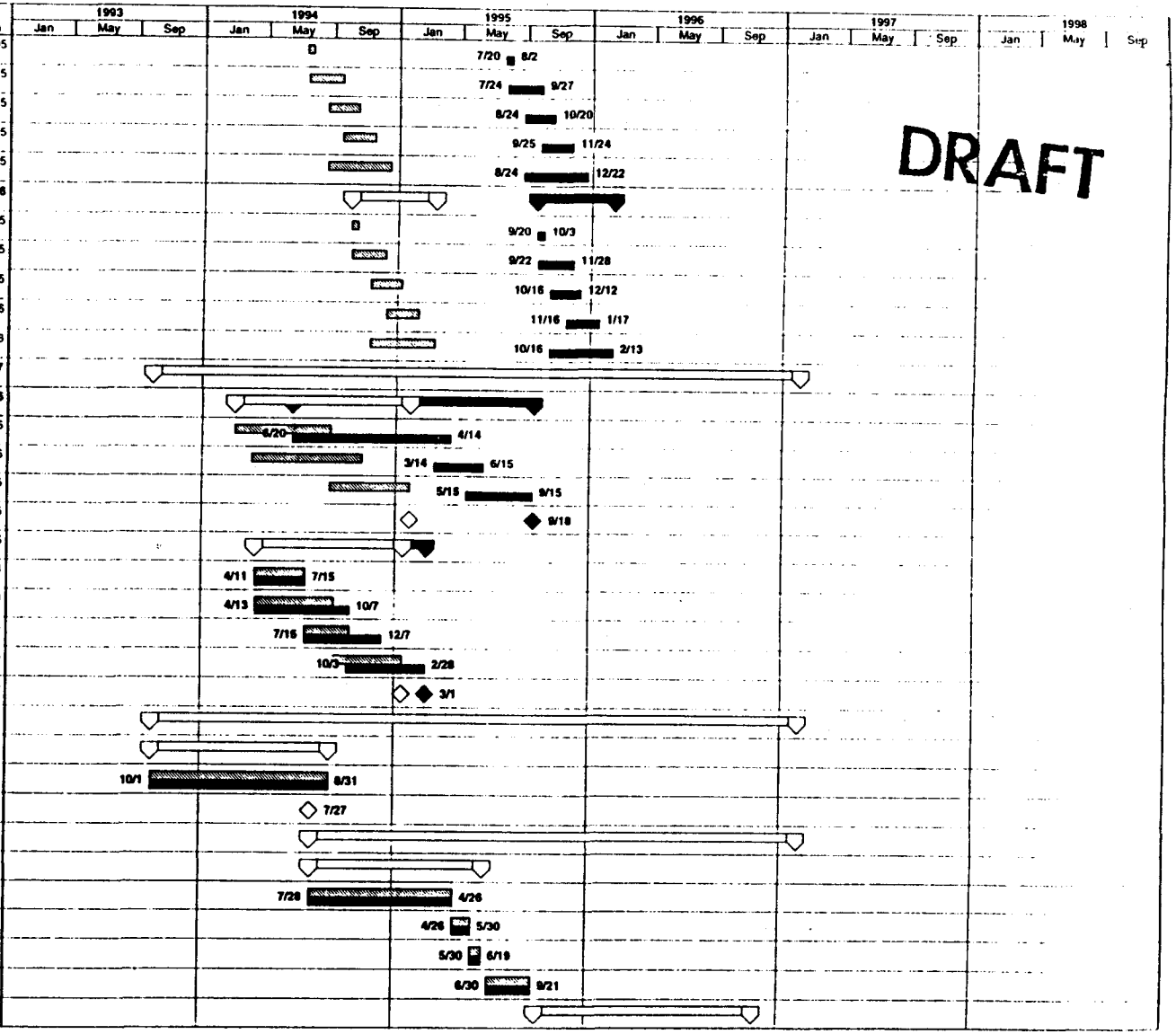
Task Name	Duration	Actual Start	Actual Finish
Field Investigation	10d	7/20/95	8/2/95
Lab Analysis	48d	7/24/95	9/27/95
Data Validation	42d	8/24/95	10/20/95
Technical Review	45d	9/25/95	11/24/95
Data Manage/Interpret	87d	8/24/95	12/22/95
Round 3 Groundwater Sampling	105d	9/20/95	2/13/96
Field Investigation	10d	9/20/95	10/3/95
Lab Analysis	48d	9/22/95	11/28/95
Data Validation	42d	10/16/95	12/12/95
Technical Review	45d	11/16/95	1/17/96
Data Manage/ Interpret	87d	10/16/95	2/13/96
OTHER INVESTIGATIONS	873d	10/1/93	2/4/97
Radiation Investigation	326d	6/20/94	9/18/95
Radiation Field Investigation	216d	6/20/94	4/14/95
Data Management/Interpret	68d	3/14/95	6/15/95
Prepare Radiation Report	90d	5/15/95	9/15/95
Radiation Report to Agencies	0d	9/18/95	9/18/95
Air Sampling Investigation	233d	4/11/94	3/1/95
Air Sampling Field Investigation	70d	4/11/94	7/15/94
Air Sampling Lab Analysis	126d	4/13/94	10/7/94
Data Management/Interpret	105d	7/15/94	12/7/94
Prepare Air Sampling Report	108d	10/3/94	2/28/95
Air Sampling Report to Agencies	0d	3/1/95	3/1/95
Ecological Risk Assessment (ERA)	873d	10/1/93	2/4/97
ERA Ph. 1A	239d	10/1/93	8/31/94
ERA Ph 1A	239d	10/1/93	8/31/94
ERA Ph 1A Agency Presentation	0d	7/27/94	7/27/94
ERA Ph. 1B	659d	7/28/94	2/4/97
ERA Ph. 1B Workplan Preparation	234d	7/28/94	6/19/95
Prep. Workplan for Submittal to Agencies	196d	7/28/94	4/26/95
Agency Comments on WP	25d	4/26/95	5/30/95
Response to Final Comments	15d	5/30/95	6/19/95
Contracting Action for Implementation	60d	6/30/95	9/21/95
ERA Field Work	296d	9/29/95	11/15/96

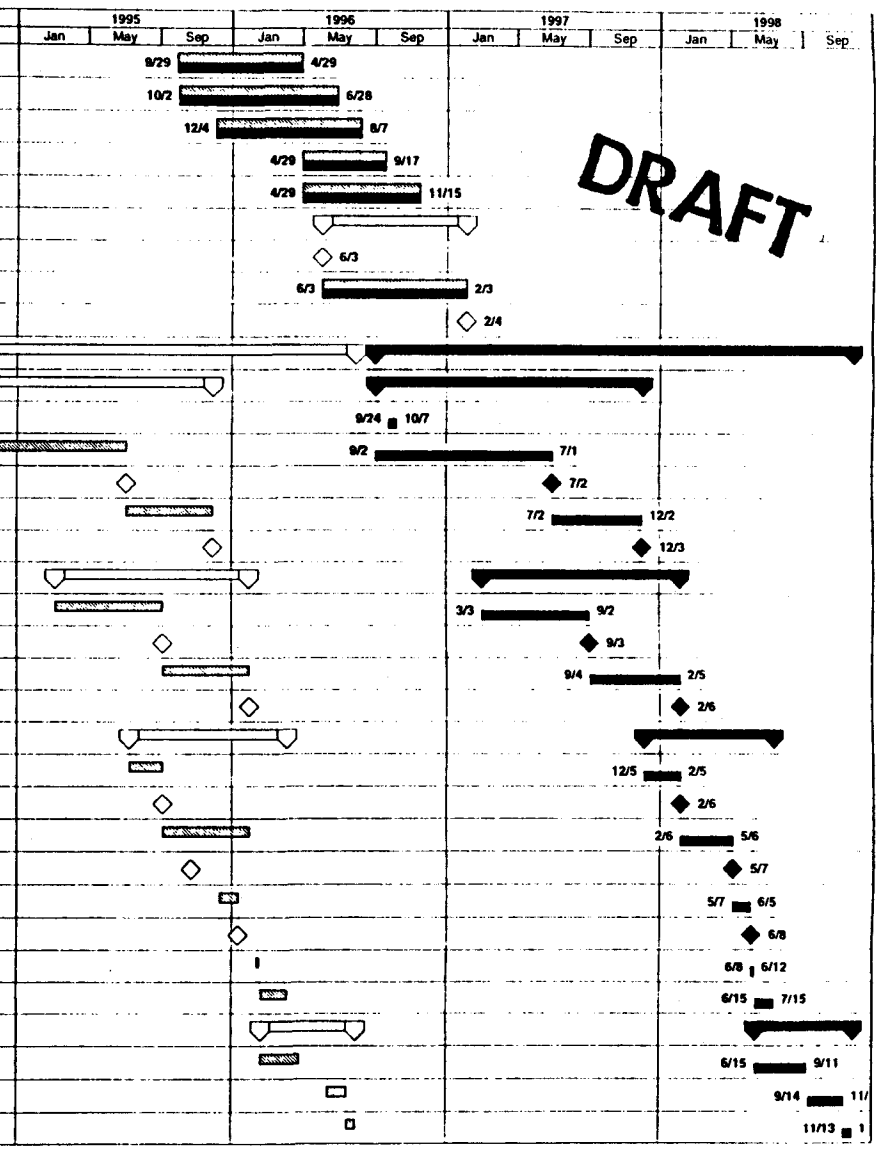


on 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA
Parcel B
Hunters Point Annex

Task Name	Duration	Actual Start	Actual Finish
Field Work	152d	9/29/95	4/29/96
Lab Analysis	195d	10/2/95	6/28/96
Data Validation	178d	12/4/95	8/7/96
Technical Review of Data Val. Rpts.	102d	4/29/96	9/17/96
Data Manage/Interpret	145d	4/29/96	11/15/96
ERA Report Preparation	**176d**	**6/3/96**	**2/4/97**
Scoping Meeting with Agencies	0d	6/3/96	6/3/96
Prepare ERA Report	176d	6/3/96	2/3/97
Draft ERA Report to Agencies	0d	2/4/97	2/4/97
RI/FS/ROD	**585d**	**9/2/96**	**11/30/98**
Remedial Investigation Report	**327d**	**9/2/96**	**12/3/97**
RI Presentation to Agencies	10d	9/24/96	10/7/96
Prepare RI Report	217d	9/2/96	7/1/97
Draft RI Report to Agencies	0d	7/2/97	7/2/97
Incorporate Agency Comments	110d	7/2/97	12/2/97
Draft Final RI Report to Agencies	0d	12/3/97	12/3/97
Feasibility Study Report	**244d**	**3/3/97**	**2/6/98**
Prepare FS Report	132d	3/3/97	9/2/97
Draft FS Report to Agencies	0d	9/3/97	9/3/97
Incorporate Agency Comments	111d	9/4/97	2/5/98
Draft Final FS Report to Agencies	0d	2/6/98	2/6/98
Proposed Plan	**158d**	**12/5/97**	**7/15/98**
Prepare Proposed Plan	45d	12/5/97	2/5/98
Draft Proposed Plan to Agencies	0d	2/6/98	2/6/98
Incorporate Agency Comments	64d	2/6/98	5/6/98
Draft Final Proposed Plan to Agencies	0d	5/7/98	5/7/98
Agency Review	22d	5/7/98	6/5/98
Final Proposed Plan to Agencies	0d	6/8/98	6/8/98
Proposed Plan, Public Notice	5d	6/8/98	6/12/98
Public Review and Comment	23d	6/15/98	7/15/98
Record of Decision	**120d**	**6/15/98**	**11/30/98**
Draft, Record of Decision	65d	6/15/98	9/11/98
Incorporate Agency Comments	45d	9/14/98	11/13/98
Final R.O.D. Approval	11d	11/13/98	11/27/98



on : 1/27/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA[illegible]e
Parcel [illegible]
Hunters Point Annex

Task Name	Duration	Actual Start	Actual Finish	1993 Jan	1993 May	1993 Sep	1994 Jan	1994 May	1994 Sep	1995 Jan	1995 May	1995 Sep	1996 Jan	1996 May	1996 Sep	1997 Jan	1997 May	1997 Sep	1998 Jan	1998 May	1998 Sep
Final R O D Approved	0d	11/30/98	11/30/98											◇							◆

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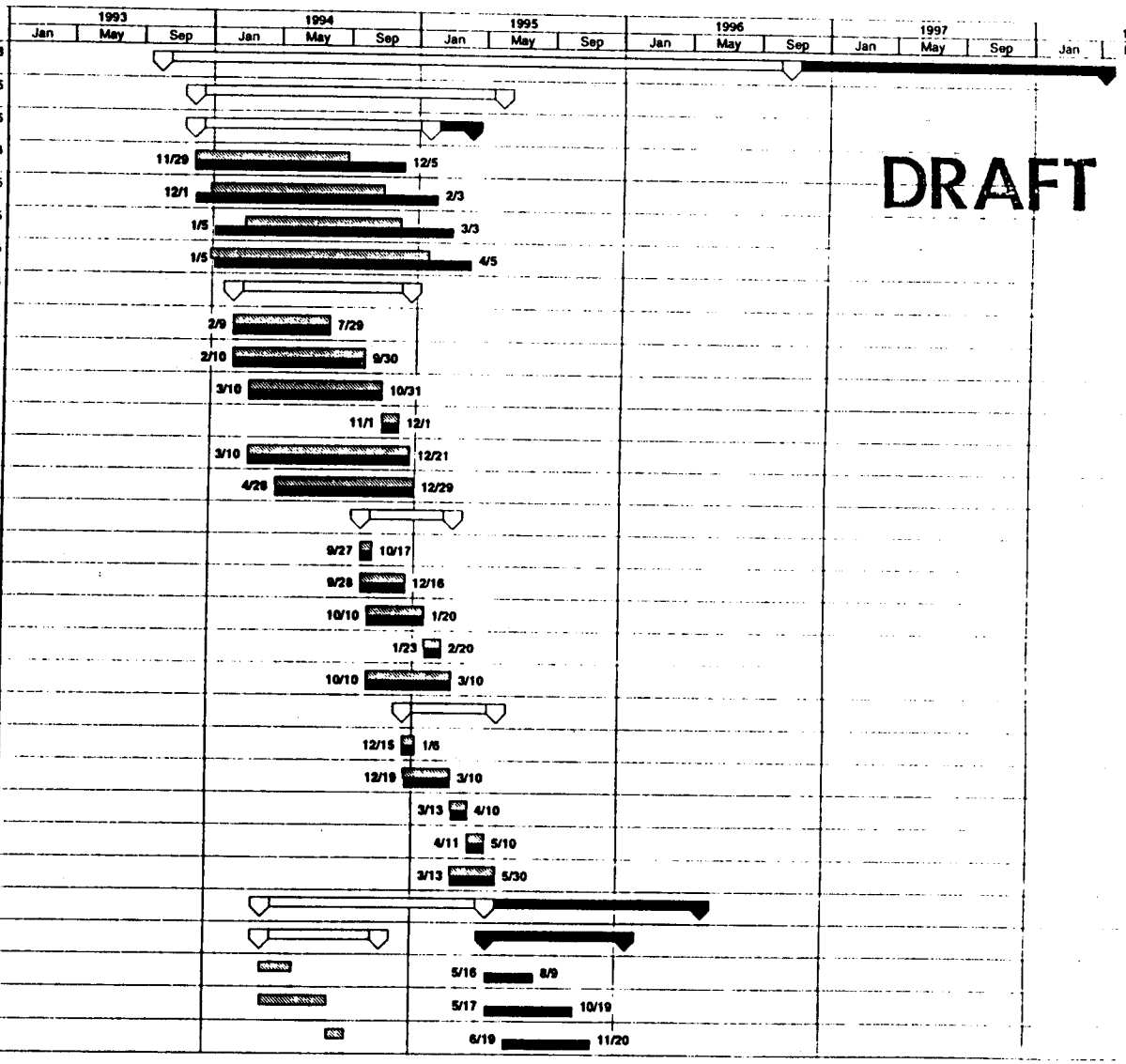
Proposed FFA [illegible]de
Parcel [illegible]
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
1	PARCEL C	1200d	10/1/93	5/7/98
2	Remedial Investigation Activities	392d	11/29/93	5/30/95
3	Soil Field Investigation	353d	11/29/93	4/5/95
4	Field Investigation	266d	11/29/93	12/5/94
5	Lab Analysis	308d	12/1/93	2/3/95
6	Data Validation	303d	1/5/94	3/3/95
7	Data Manage/ Interpret	326d	1/5/94	4/5/95
8	Round 1 Groundwater Sampling	226d	2/9/94	12/21/94
9	Field Investigation	123d	2/9/94	7/29/94
10	Lab Analysis	167d	2/10/94	9/30/94
11	Data Validation	168d	3/10/94	10/31/94
12	Technical Review	23d	11/1/94	12/1/94
13	Data Manage/ Interpret	205d	3/10/94	12/21/94
14	Aquifer Testing	176d	4/28/94	12/29/94
15	Round 2 Groundwater Sampling	119d	9/27/94	3/10/95
16	Field Investigation	15d	9/27/94	10/17/94
17	Lab Analysis	58d	9/28/94	12/16/94
18	Data Validation	75d	10/10/94	1/20/95
19	Technical Review	21d	1/23/95	2/20/95
20	Data Manage/Interpret	110d	10/10/94	3/10/95
21	Round 3 Groundwater Sampling	119d	12/15/94	5/30/95
22	Field Investigation	17d	12/15/94	1/6/95
23	Lab Analysis	60d	12/19/94	3/10/95
24	Data Validation	21d	3/13/95	4/10/95
25	Technical Review	22d	4/11/95	5/10/95
26	Data Manage/Interpret	57d	3/13/95	5/30/95
27	Site Assessment & Add'l Field Work	274d	5/16/95	5/31/96
28	RI Field Investigation/Round 1 GW Sampling	179d	5/16/95	1/19/96
29	Field Investigation	62d	5/16/95	8/9/95
30	Lab Analysis	112d	5/17/95	10/19/95
31	Data Validation	111d	6/19/95	11/20/95

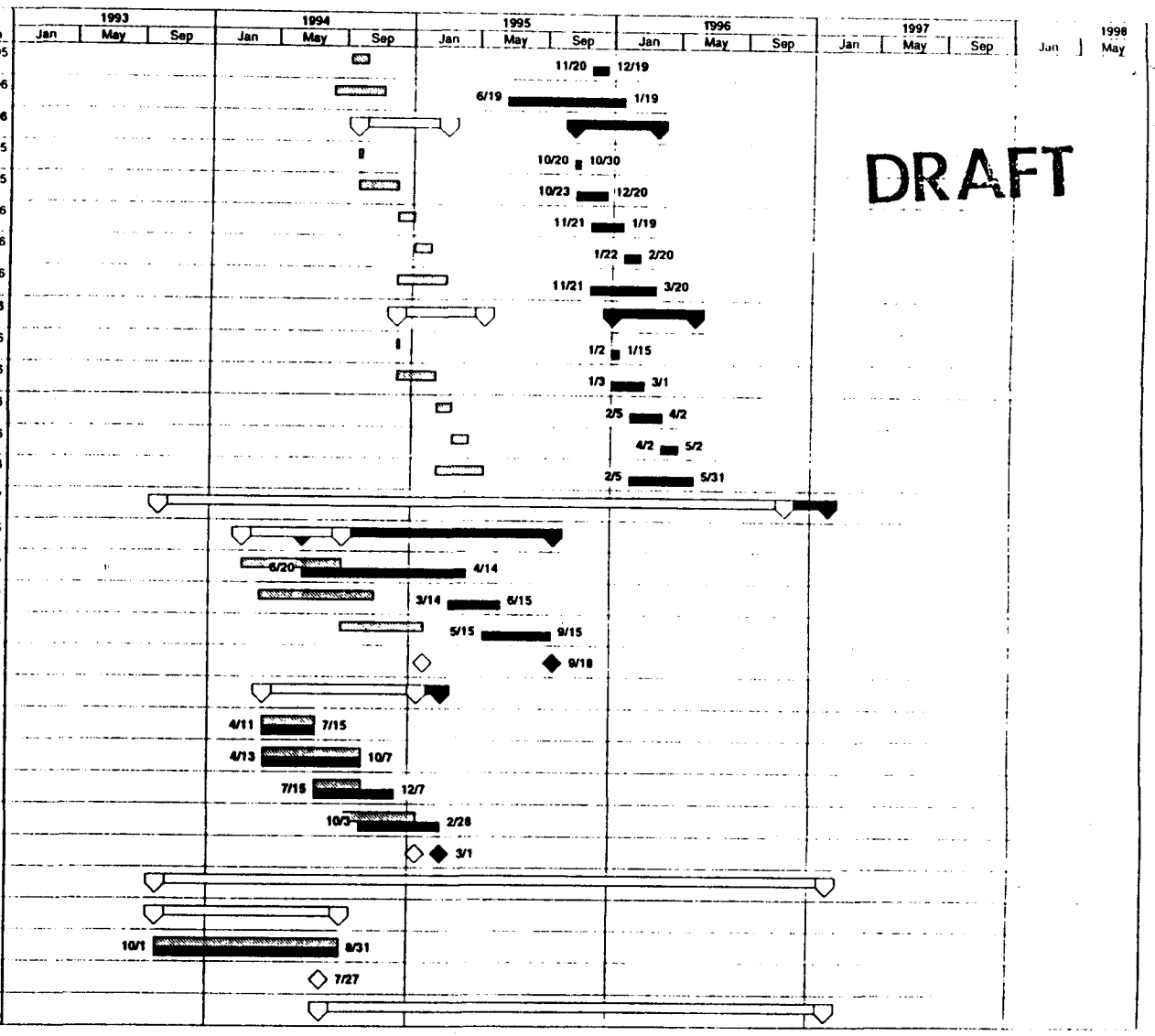


Revision : 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA[illegible]le
Parcel [illegible]
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
32	Technical Review	22d	11/20/95	12/19/95
33	Data Manage/Interpret	155d	6/19/95	1/19/96
34	**Round 2 Groundwater Sampling**	109d	10/20/95	3/20/96
35	Field Investigation	7d	10/20/95	10/30/95
36	Lab Analysis	43d	10/23/95	12/20/95
37	Data Validation	44d	11/21/95	1/19/96
38	Technical Review	22d	1/22/96	2/20/96
39	Data Manage/Interpret	87d	11/21/95	3/20/96
40	**Round 3 Groundwater Sampling**	109d	1/2/96	5/31/96
41	Field Investigation	10d	1/2/96	1/15/96
42	Lab Analysis	43d	1/3/96	3/1/96
43	Data Validation	42d	2/5/96	4/2/96
44	Technical Review	23d	4/2/96	5/2/96
45	Data Manage/ Interpret	85d	2/5/96	5/31/96
46	**OTHER INVESTIGATIONS**	872d	10/1/93	2/4/97
47	**Radiation Investigation**	326d	6/20/94	9/18/95
48	Radiation Field Investigation	215d	6/20/94	4/14/95
49	Data Management/Interpret	68d	3/14/95	6/15/95
50	Prepare Radiation Report	90d	5/15/95	9/15/95
51	Radiation Report to Agencies	0d	9/18/95	9/18/95
52	**Air Sampling Investigation**	232d	4/11/94	3/1/95
53	Air Sampling Field Investigation	70d	4/11/94	7/15/94
54	Air Sampling Lab Analysis	128d	4/13/94	10/7/94
55	Data Management/Interpret	104d	7/15/94	12/7/94
56	Prepare Air Sampling Report	107d	10/3/94	2/28/95
57	Air Sampling Report to Agencies	0d	3/1/95	3/1/95
58	**Ecological Risk Assessment (ERA)**	872d	10/1/93	2/4/97
59	**ERA Ph. 1A**	239d	10/1/93	8/31/94
60	ERA Ph. 1A	239d	10/1/93	8/31/94
61	ERA Ph. 1A Agency Presentation	0d	7/27/94	7/27/94
62	**ERA Ph. 1B**	658d	7/28/94	2/4/97



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Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FF[illegible]de
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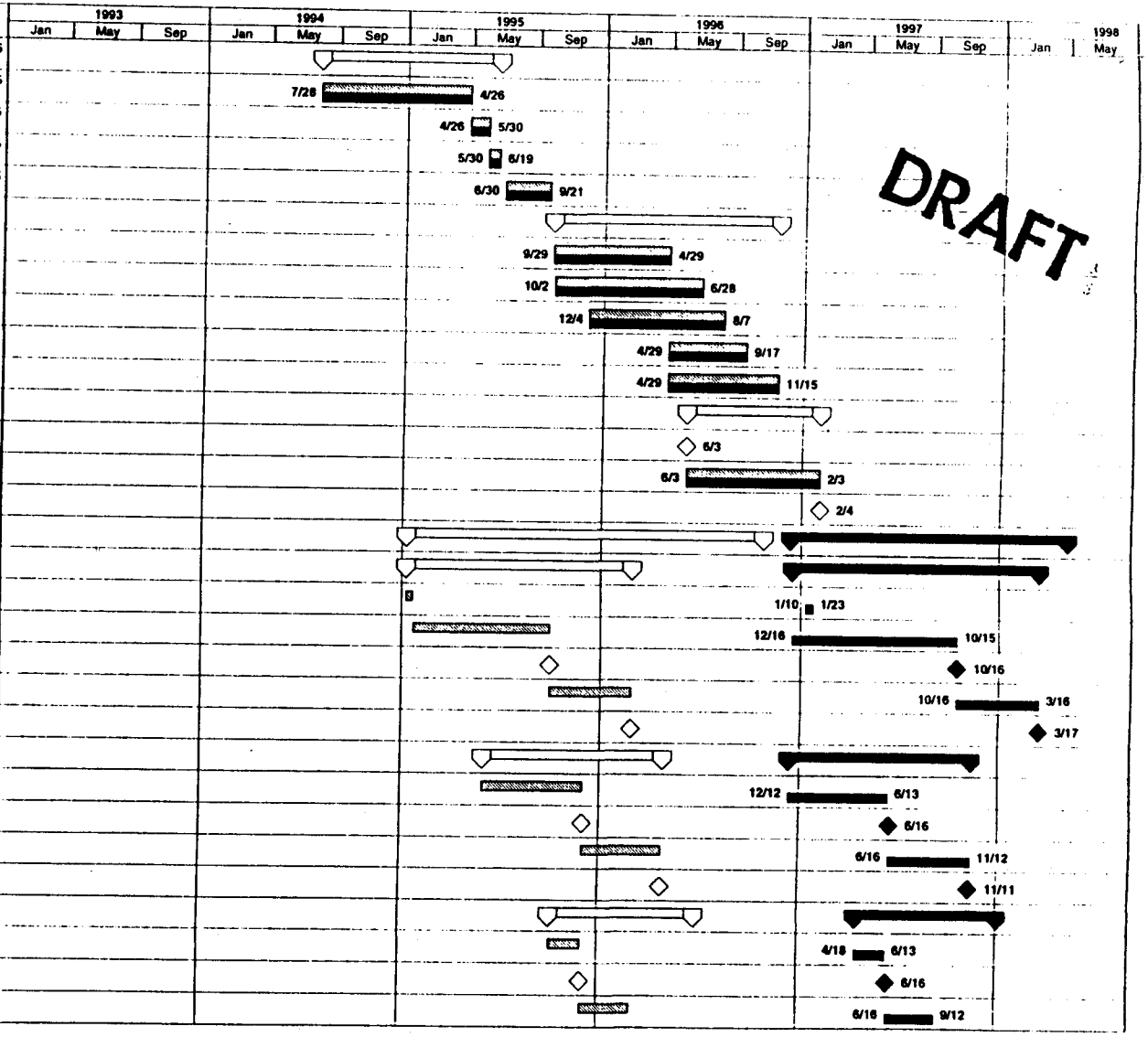
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
63	ERA Ph. 1B Workplan Preparation	233d	7/28/94	6/19/95
64	Prep. Workplan for Submittal to Agencie:	195d	7/28/94	4/26/95
65	Agency Comments on WP	25d	4/26/95	5/30/95
66	Response to Final Comments	15d	5/30/95	6/19/95
67	Contracting Action for Implementation	60d	6/30/95	9/21/95
68	ERA Field Work	296d	9/29/95	11/15/96
69	Field Work	152d	9/29/95	4/29/96
70	Lab Analysis	195d	10/2/95	6/28/96
71	Data Validation	178d	12/4/95	8/7/96
72	Technical Review of Data Val. Rpt.	102d	4/29/96	9/17/96
73	Data Manage/ Interpret	145d	4/29/96	11/15/96
74	ERA Report Preparation	176d	6/3/96	2/4/97
75	Scoping Meeting with Agencies	0d	6/3/96	6/3/96
76	Prepare ERA Report	176d	6/3/96	2/3/97
77	Draft ERA Report to Agencies	0d	2/4/97	2/4/97
78	RI/ FS/ ROD	366d	12/12/96	5/7/98
79	Remedial Investigation Report	326d	12/16/96	3/17/98
80	RI Presentation to Agencies	10d	1/10/97	1/23/97
81	Prepare RI Report	216d	12/16/96	10/15/97
82	Draft RI Report to Agencies	0d	10/16/97	10/16/97
83	Incorporate Agency Comments	108d	10/16/97	3/16/98
84	Draft Final RI Report to Agencies	0d	3/17/98	3/17/98
85	Feasibility Study Report	240d	12/12/96	11/12/97
86	Prepare FS Report	132d	12/12/96	6/13/97
87	Draft FS Report to Agencies	0d	6/16/97	6/16/97
88	Incorporate Agency Comments	108d	6/16/97	11/12/97
89	Draft Final FS Report to Agencies	0d	11/11/97	11/11/97
90	Proposed Plan	186d	4/18/97	1/2/98
91	Prepare Proposed Plan	41d	4/18/97	6/13/97
92	Draft Proposed Plan to Agencies	0d	6/16/97	6/16/97
93	Incorporate Agency Comments	65d	6/16/97	9/12/97



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Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

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Hunters Point Annex

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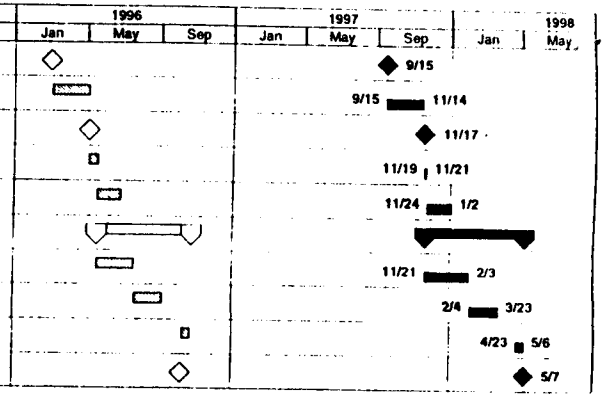
ID	Task Name	Duration	Actual Start	Actual Finish
94	Draft Final Proposed Plan to Agencies	0d	9/15/97	9/15/97
95	Agency Review	45d	9/15/97	11/14/97
96	Final Proposed Plan to Agencies	0d	11/17/97	11/17/97
97	Proposed Plan, Public Notice	3d	11/19/97	11/21/97
98	Public Review and Comment	30d	11/24/97	1/2/98
99	Record of Decision	120d	11/21/97	5/7/98
100	Draft Record of Decision	53d	11/21/97	2/3/98
101	Incorporate Agency Comments	34d	2/4/98	3/23/98
102	Final R.O.D. Approval	10d	4/23/98	5/6/98
103	Final R.O.D. Approved	0d	5/7/98	5/7/98



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Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

Proposed FFA[illegible]e
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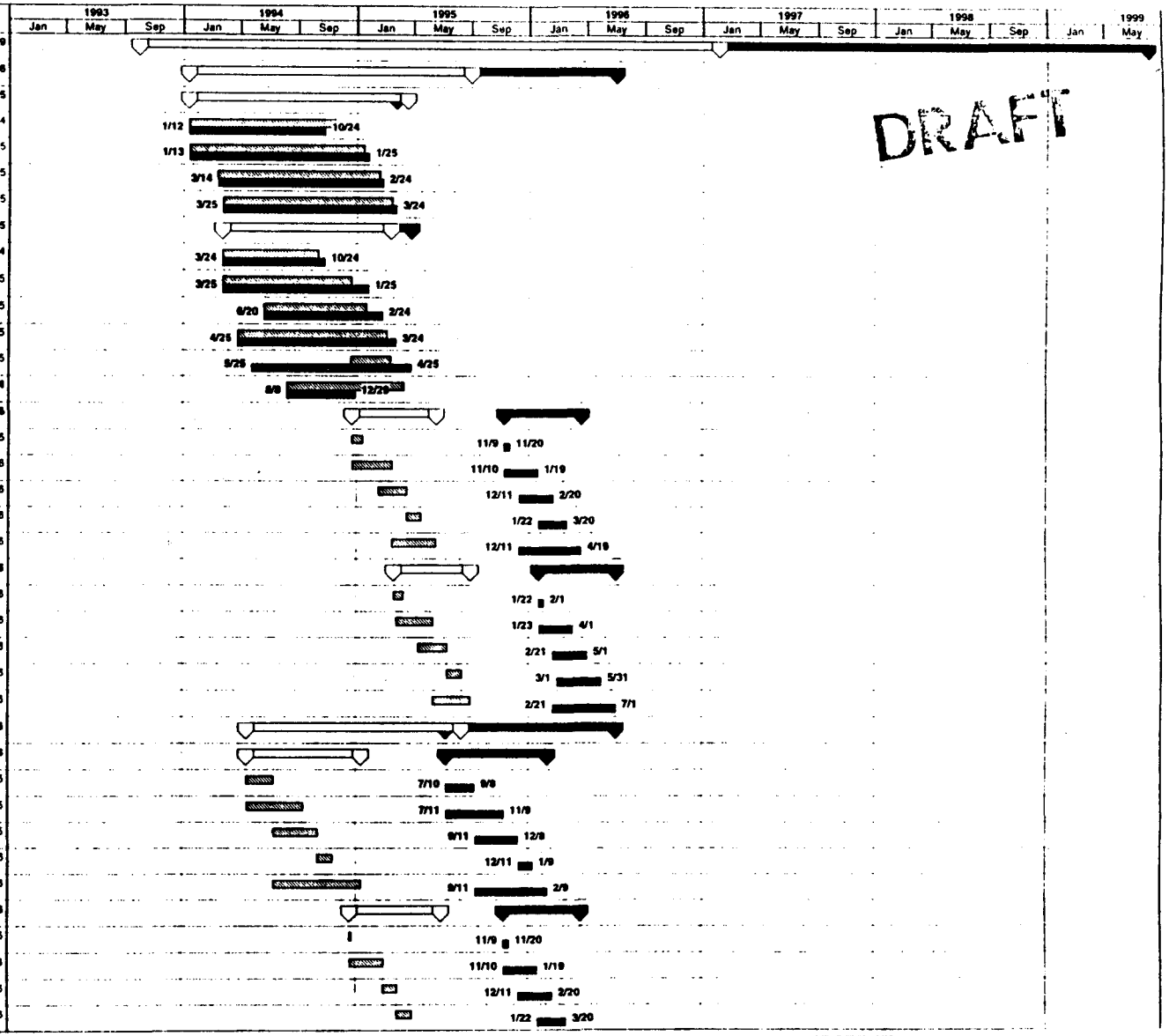
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
1	PARCEL D	1524d	10/1/93	8/5/99
2	REMEDIAL INVESTIGATION ACTIVITIES	644d	1/12/94	7/1/96
3	Soil Field Investigation	313d	1/12/94	3/24/95
4	Field Investigation	204d	1/12/94	10/24/94
5	Lab Analysis	270d	1/13/94	1/25/95
6	Data Validation	250d	3/14/94	2/24/95
7	Data Manage/ Interpret	261d	3/25/94	3/24/95
8	Round 1 Groundwater Sampling	284d	3/24/94	4/25/95
9	Field Investigation	153d	3/24/94	10/24/94
10	Lab Analysis	219d	3/25/94	1/25/95
11	Data Validation	180d	6/20/94	2/24/95
12	Technical Review	240d	4/25/94	3/24/95
13	Data Manage/ Interpret	240d	5/25/94	4/25/95
14	Aquifer Testing	104d	8/8/94	12/29/94
15	Round 2 Groundwater Sampling	117d	11/9/95	4/19/96
16	Field Investigation	8d	11/9/95	11/20/95
17	Lab Analysis	51d	11/10/95	1/19/96
18	Data Validation	52d	12/11/95	2/20/96
19	Technical Review	43d	1/22/96	3/20/96
20	Data Manage/Interpret	95d	12/11/95	4/19/96
21	Round 3 Groundwater Sampling	116d	1/22/96	7/1/96
22	Field Investigation	9d	1/22/96	2/1/96
23	Lab Analysis	50d	1/23/96	4/1/96
24	Data Validation	51d	2/21/96	5/1/96
25	Technical Review	66d	3/1/96	5/31/96
26	Data Manage/Interpret	94d	2/21/96	7/1/96
27	Site Assessment & Add'l Field Work	256d	7/10/95	7/1/96
28	RI Field Investigation/Round 1 GW Sampling	156d	7/10/95	2/9/96
29	Field Investigation	45d	7/10/95	9/8/95
30	Lab Analysis	88d	7/11/95	11/9/95
31	Data Validation	65d	9/11/95	12/8/95
32	Technical Review	22d	12/11/95	1/9/96
33	Data Manage/Interpret	110d	9/11/95	2/9/96
34	Round 2 Groundwater Sampling	117d	11/9/95	4/19/96
35	Field Investigation	8d	11/9/95	11/20/95
36	Lab Analysis	51d	11/10/95	1/19/96
37	Data Validation	52d	12/11/95	2/20/96
38	Technical Review	43d	1/22/96	3/20/96



Revision 1/25/95 Actual Task Original Task Actual Milestone Original Milestone Actual Summary Original Summary

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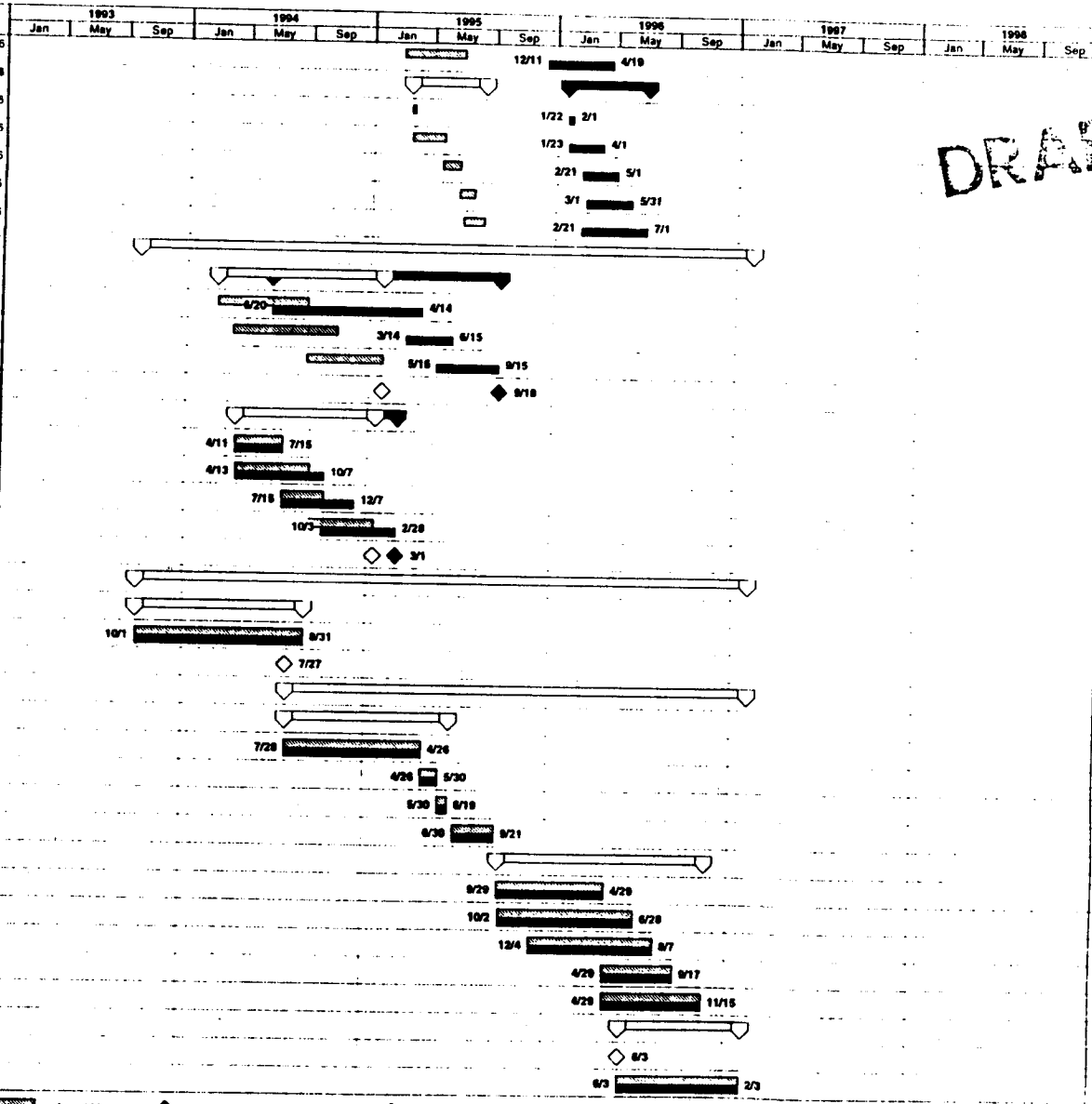
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
39	Data Manage/Interpret	95d	12/11/95	4/19/96
40	**Round 3 Groundwater Sampling**	116d	1/22/96	7/1/96
41	Field Investigation	9d	1/22/96	2/1/96
42	Lab Analysis	50d	1/23/96	4/1/96
43	Data Validation	51d	2/21/96	5/1/96
44	Technical Review	66d	3/1/96	5/31/96
45	Data Manage/ Interpret	94d	2/21/96	7/1/96
46	**OTHER INVESTIGATIONS**	872d	10/1/93	2/4/97
47	**Radiation Investigation**	325d	6/20/94	9/18/95
48	Radiation Field Investigation	215d	6/20/94	4/14/95
49	Data Management/Interpret	68d	3/14/95	6/15/95
50	Prepare Radiation Report	90d	5/15/95	9/15/95
51	Radiation Report to Agencies	0d	9/18/95	9/18/95
52	**Air Sampling Investigation**	232d	4/11/94	3/1/95
53	Air Sampling Field Investigation	70d	4/11/94	7/15/94
54	Air Sampling Lab Analysis	128d	4/13/94	10/7/94
55	Data Management/Interpret	104d	7/15/94	12/7/94
56	Prepare Air Sampling Report	107d	10/3/94	2/28/95
57	Air Sampling Report to Agencies	0d	3/1/95	3/1/95
58	**Ecological Risk Assessment (ERA)**	872d	10/1/93	2/4/97
59	**ERA Ph. 1A**	239d	10/1/93	8/31/94
60	ERA Ph 1A	239d	10/1/93	8/31/94
61	ERA Ph 1A Agency Presentation	0d	7/27/94	7/27/94
62	**ERA Ph. 1B**	658d	7/28/94	2/4/97
63	**ERA Ph. 1B Workplan Preparation**	233d	7/28/94	6/19/96
64	Prep Workplan for Submittal to Agencies	195d	7/28/94	4/26/95
65	Agency Comments on WP	25d	4/26/95	5/30/95
66	Response to Final Comments	15d	5/30/95	6/19/95
67	**Contracting Action for Implementation**	60d	6/30/96	9/21/96
68	**ERA Field Work**	298d	9/29/95	11/15/96
69	Field Work	152d	9/29/95	4/29/96
70	Lab Analysis	195d	10/2/95	6/28/96
71	Data Validation	178d	12/4/95	8/7/96
72	Technical Review of Data Val. Rpt	102d	4/29/96	9/17/96
73	Data Manage/ Interpret	145d	4/29/96	11/15/96
74	**ERA Report Preparation**	176d	6/3/96	2/4/97
75	Scoping Meeting with Agencies	0d	6/3/96	6/3/96
76	Prepare ERA Report	176d	6/3/96	2/3/97



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Revision 1/25/95 Actual Task Original Task Actual Milestone Original Milestone Actual Summary Original Summary

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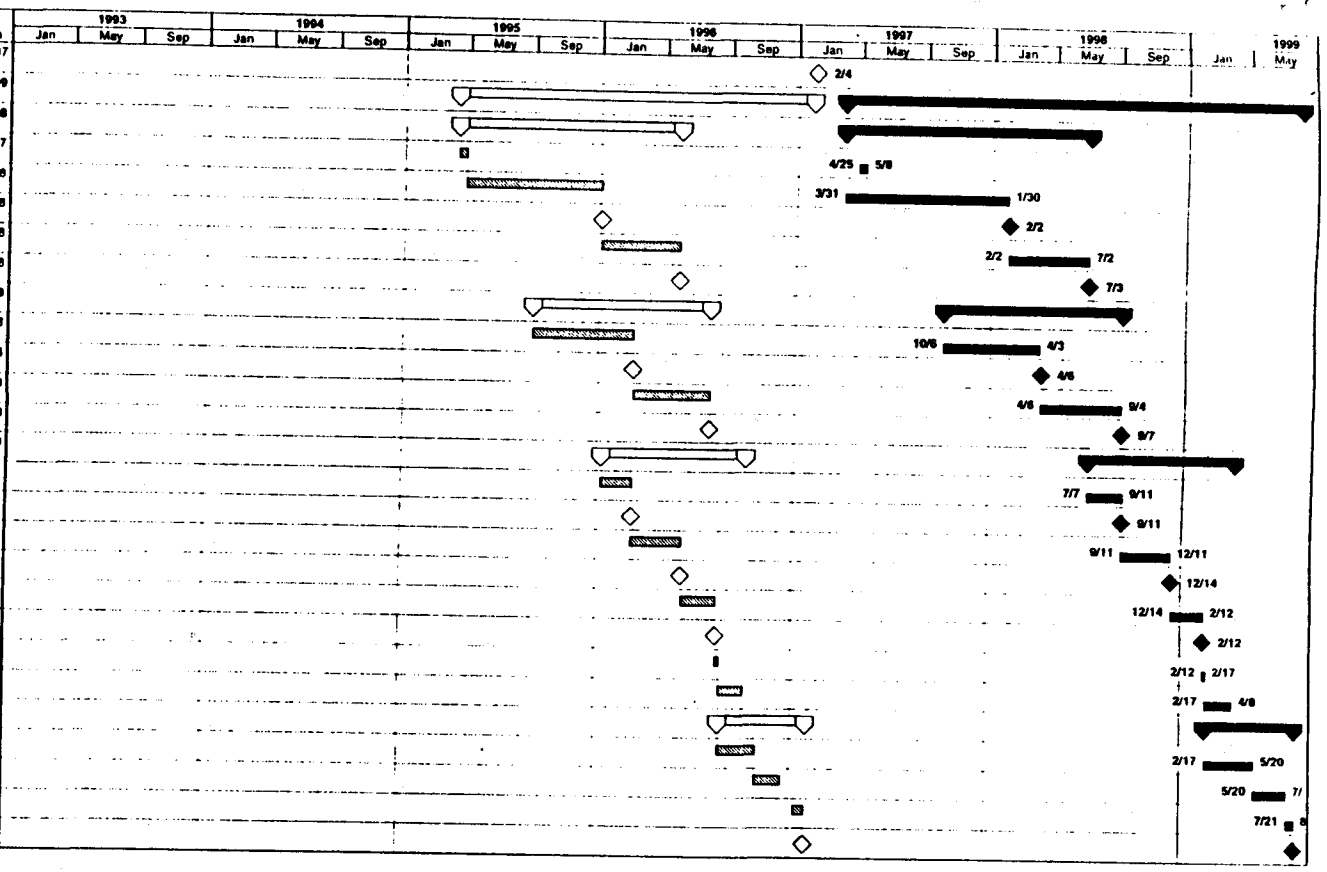
ID	Task Name	Duration	Actual Start	Actual Finish
77	Draft ERA Report to Agencies	0d	2/4/97	2/4/97
78	RI/ FS/ ROD	613d	3/31/97	8/5/99
79	Remedial Investigation Report	330d	3/31/97	7/3/98
80	RI Presentation to Agencies	10d	4/25/97	5/8/97
81	Prepare RI Report	220d	3/31/97	1/30/98
82	Draft RI Report to Agencies	0d	2/2/98	2/2/98
83	Incorporate Agency Comments	109d	2/2/98	7/2/98
84	Draft Final RI Report to Agencies	0d	7/3/98	7/3/98
85	Feasibility Study Report	240d	10/6/97	9/7/98
86	Prepare FS Report	130d	10/6/97	4/3/98
87	Draft FS Report to Agencies	0d	4/6/98	4/6/98
88	Incorporate Agency Comments	110d	4/6/98	9/4/98
89	Draft Final FS Report to Agencies	0d	9/7/98	9/7/98
90	Proposed Plan	199d	7/7/98	4/8/99
91	Prepare Proposed Plan	49d	7/7/98	9/11/98
92	Draft Proposed Plan to Agencies	0d	9/11/98	9/11/98
93	Incorporate Agency Comments	66d	9/11/98	12/11/98
94	Draft Final Proposed Plan to Agencies	0d	12/14/98	12/14/98
95	Agency Review	45d	12/14/98	2/12/99
96	Final Proposed Plan to Agencies	0d	2/12/99	2/12/99
97	Proposed Plan, Public Notice	4d	2/12/99	2/17/99
98	Public Review and Comment	37d	2/17/99	4/8/99
99	Record of Decision	121d	2/17/99	8/5/99
100	Draft, Record of Decision	67d	2/17/99	5/20/99
101	Incorporate Agency Comments	44d	5/20/99	7/20/99
102	Final R O D Approval	11d	7/21/99	8/4/99
103	Final R O D Approved	0d	8/5/99	8/5/99



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Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

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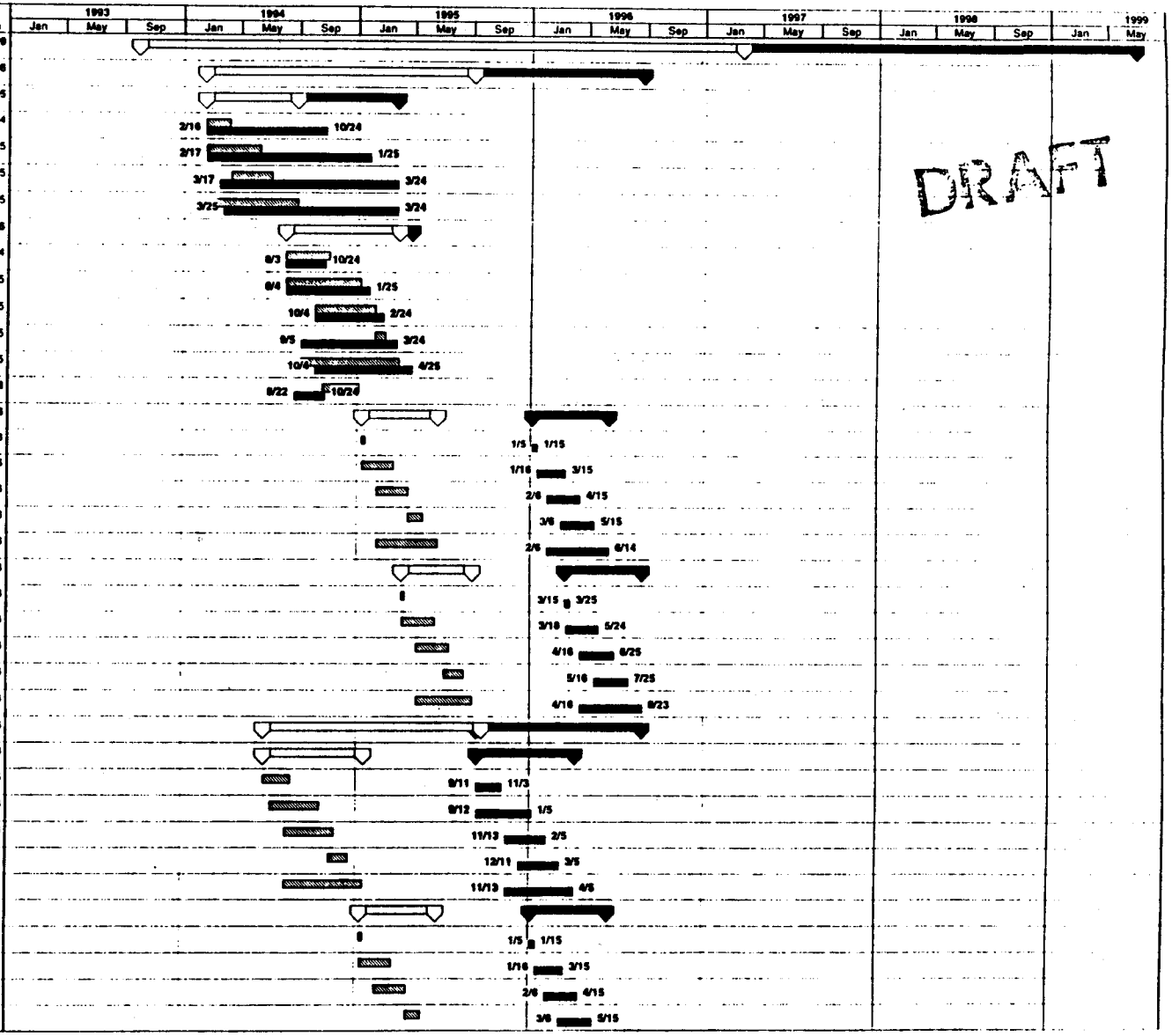
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
1	PARCEL E	1499d	10/1/93	7/1/99
2	Remedial Investigation Activities	658d	2/16/94	8/23/96
3	Soil Field Investigation	288d	2/16/94	3/24/95
4	Field Investigation	179d	2/16/94	10/24/94
5	Lab Analysis	245d	2/17/94	1/25/95
6	Data Validation	267d	3/17/94	3/24/95
7	Data Manage/ Interpret	261d	3/25/94	3/24/95
8	Round 1 Groundwater Sampling	190d	8/3/94	4/25/95
9	Field Investigation	58d	8/3/94	10/24/94
10	Lab Analysis	125d	8/4/94	1/25/95
11	Data Validation	104d	10/4/94	2/24/95
12	Technical Review	145d	9/5/94	3/24/95
13	Data Manage/ Interpret	146d	10/4/94	4/25/95
14	Aquifer Testing	46d	8/22/94	10/24/94
15	Round 2 Groundwater Sampling	119d	1/5/96	6/14/96
16	Field Investigation	7d	1/5/96	1/15/96
17	Lab Analysis	44d	1/16/96	3/15/96
18	Data Validation	50d	2/6/96	4/15/96
19	Technical Review	51d	3/6/96	5/15/96
20	Data Manage/Interpret	94d	2/6/96	6/14/96
21	Round 3 Groundwater Sampling	119d	3/15/96	8/23/96
22	Field Investigation	7d	3/15/96	3/25/96
23	Lab Analysis	50d	3/18/96	5/24/96
24	Data Validation	51d	4/16/96	6/25/96
25	Technical Review	51d	5/16/96	7/25/96
26	Data Manage/Interpret	94d	4/16/96	8/23/96
27	Site Assessment & Add'l Field Work	290d	9/11/95	8/23/96
28	RI Field Investigation/Round 1 GW Sampling	180d	9/11/95	4/6/96
29	Field Investigation	40d	9/11/95	11/3/95
30	Lab Analysis	84d	9/12/95	1/5/96
31	Data Validation	61d	11/13/95	2/5/96
32	Technical Review	62d	12/11/95	3/5/96
33	Data Manage/Interpret	105d	11/13/95	4/5/96
34	Round 2 Groundwater Sampling	119d	1/5/96	6/14/96
35	Field Investigation	7d	1/5/96	1/15/96
36	Lab Analysis	44d	1/16/96	3/15/96
37	Data Validation	50d	2/6/96	4/15/96
38	Technical Review	51d	3/6/96	5/15/96



Revision 1/25/95

Actual Task — Original Task — Actual Milestone — Original Milestone — Actual Summary — Original Summary

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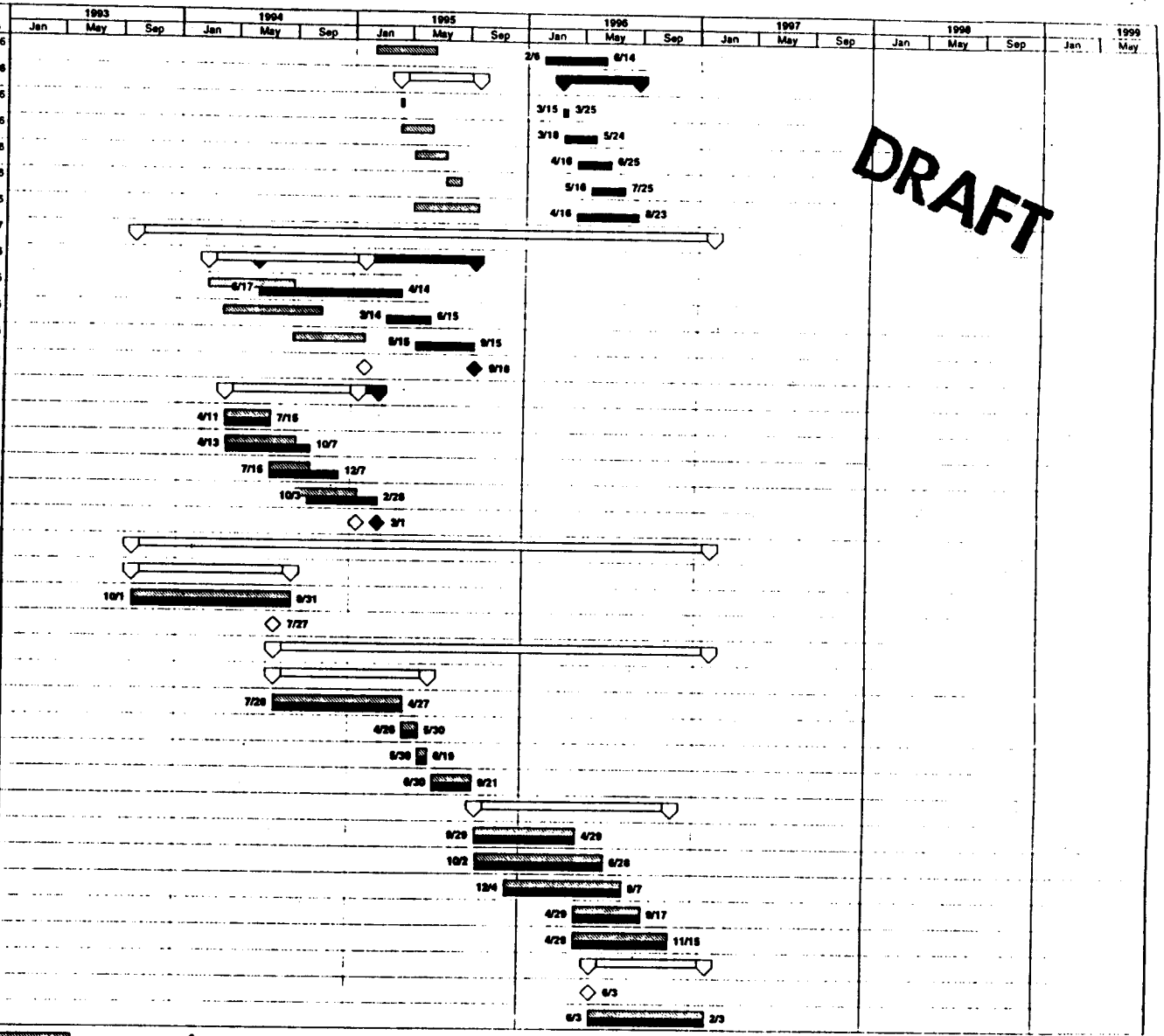
Hunters Point Annex

ID	Task Name	Duration	Actual Start	Actual Finish
39	Data Manage/Interpret	94d	2/6/96	6/14/96
40	Round 3 Groundwater Sampling	116d	3/15/96	8/23/96
41	Field Investigation	7d	3/15/96	3/25/96
42	Lab Analysis	50d	3/18/96	5/24/96
43	Data Validation	51d	4/16/96	6/25/96
44	Technical Review	51d	5/16/96	7/25/96
45	Data Manage/ Interpret	94d	4/16/96	8/23/96
46	OTHER INVESTIGATIONS	672d	10/1/93	2/4/97
47	Radiation Investigation	326d	6/17/94	9/18/95
48	Radiation Field Investigation	216d	6/17/94	4/14/95
49	Data Management/Interpret	88d	3/14/95	6/15/95
50	Prepare Radiation Report	90d	5/15/95	9/15/95
51	Radiation Report to Agencies	0d	9/18/95	9/18/95
52	Air Sampling Investigation	232d	4/11/94	3/1/95
53	Air Sampling Field Investigation	70d	4/11/94	7/15/94
54	Air Sampling Lab Analysis	128d	4/13/94	10/7/94
55	Data Management/Interpret	104d	7/15/94	12/7/94
56	Prepare Air Sampling Report	107d	10/3/94	2/28/95
57	Air Sampling Report to Agencies	0d	3/1/95	3/1/95
58	Ecological Risk Assessment (ERA)	672d	10/1/93	2/4/97
59	ERA Ph. 1A	239d	10/1/93	8/31/94
60	ERA Ph 1A	239d	10/1/93	8/31/94
61	ERA Ph 1A Agency Presentation	0d	7/27/94	7/27/94
62	ERA Ph. 1B	658d	7/28/94	2/4/97
63	ERA Ph. 1B Workplan Preparation	233d	7/28/94	6/19/95
64	Prep. Workplan for Submittal to Ag	196d	7/28/94	4/27/95
65	Agency Comments on WP	25d	4/28/95	5/30/95
66	Response to Final Comments	15d	5/30/95	6/19/95
67	Contracting Action for Implementatio	60d	6/30/95	9/21/95
68	ERA Field Work	296d	9/29/95	11/15/96
69	Field Work	152d	9/29/95	4/29/96
70	Lab Analysis	195d	10/2/95	8/28/96
71	Data Validation	178d	12/4/95	8/7/96
72	Technical Review of Data Val. Rpts	102d	4/29/96	9/17/96
73	Data Manage/Interpret	145d	4/29/96	11/15/96
74	ERA Report Preparation	176d	6/3/96	2/4/97
75	Scoping Meeting with Agencies	0d	6/3/96	6/3/96
76	Prepare ERA Report	176d	6/3/96	2/3/97



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Actual Task | Original Task | Actual Milestone | Original Milestone | Actual Summary | Original Summary

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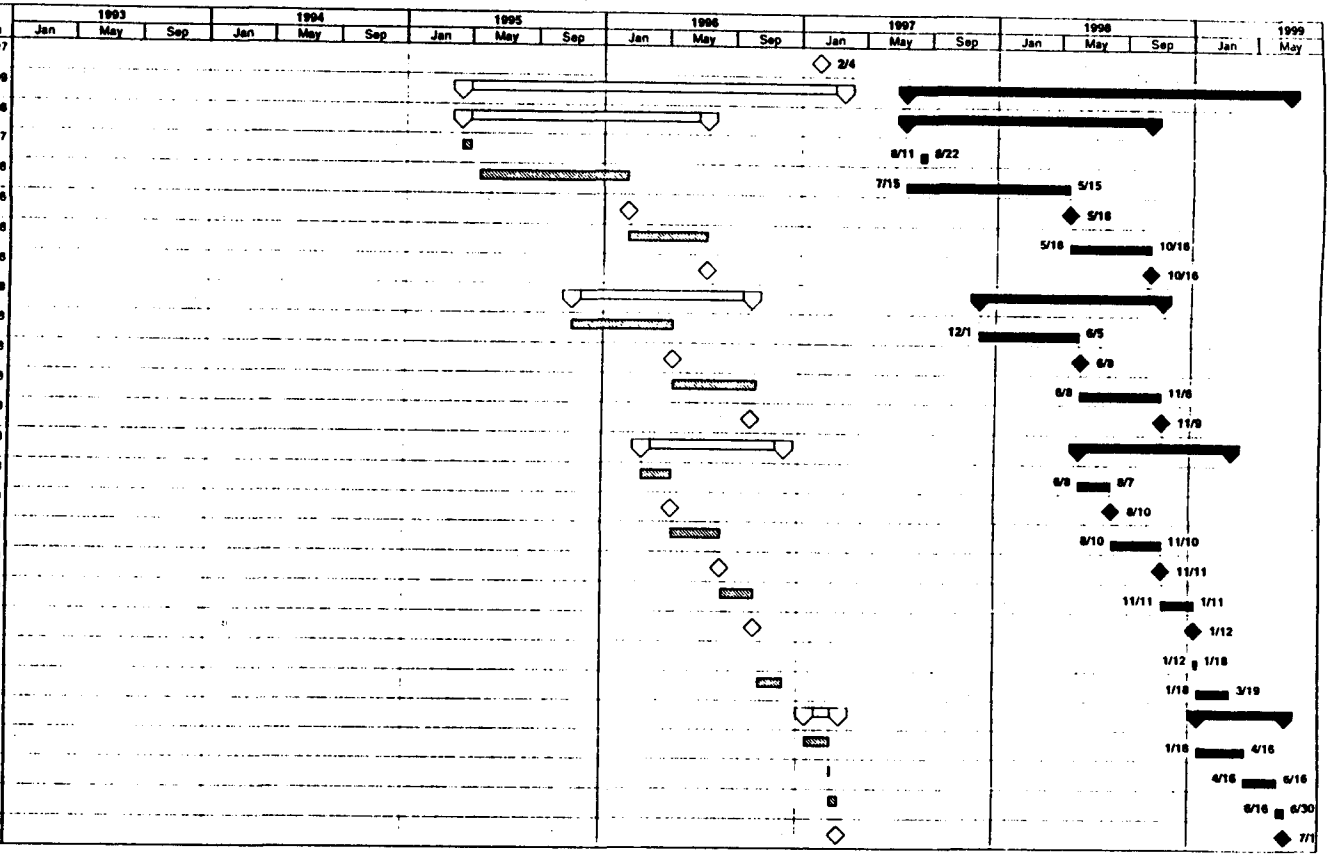
ID	Task Name	Duration	Actual Start	Actual Finish
77	Draft ERA Report to Agencies	0d	2/4/97	2/4/97
78	RI/ FS/ ROD	612d	7/15/97	7/1/99
79	Remedial Investigation Report	329d	7/15/97	10/16/98
80	RI Presentation to Agencies	10d	8/11/97	8/22/97
81	Prepare RI Report	219d	7/15/97	5/15/98
82	Draft RI Report to Agencies	0d	5/16/98	5/16/98
83	Incorporate Agency Comments	110d	5/16/98	10/16/98
84	Draft Final RI Report to Agencies	0d	10/16/98	10/16/98
85	Feasibility Study Report	246d	12/1/97	11/8/98
86	Prepare FS Report	135d	12/1/97	6/5/98
87	Draft FS Report to Agencies	0d	6/8/98	6/8/98
88	Incorporate Agency Comments	110d	6/8/98	11/6/98
89	Draft Final FS Report to Agencies	0d	11/9/98	11/9/98
90	Proposed Plan	206d	6/8/98	3/19/99
91	Prepare Proposed Plan	45d	6/8/98	8/7/98
92	Draft Proposed Plan to Agencies	0d	8/10/98	8/10/98
93	Incorporate Agency Comments	67d	8/10/98	11/10/98
94	Draft Final Proposed Plan to Agencies	0d	11/11/98	11/11/98
95	Agency Review	44d	11/11/98	1/11/99
96	Final Proposed Plan to Agencies	0d	1/12/99	1/12/99
97	Proposed Plan, Public Notice	5d	1/12/99	1/18/99
98	Public Review and Comment	45d	1/18/99	3/19/99
99	Record of Decision	118d	1/18/99	7/1/99
100	Draft Record of Decision	65d	1/18/99	4/16/99
101	Incorporate Agency Comments	44d	4/16/99	6/16/99
102	Final R O D Approval	11d	6/16/99	6/30/99
103	Final R O D Approved	0d	7/1/99	7/1/99



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HUNTERS POINT ANNEX
FEDERAL FACILITIES AGREEMENT
SCHEDULE ASSUMPTIONS

The attached proposed Federal Facility Agreement (FFA) schedules represent two options for the remedial investigation (RI) at Hunters Point Annex (HPA).

Each of the options for the schedules displays the FFA schedules as of June 1994 in one set of bar graphs and a proposed revision of the FFA schedules illustrating delays in contracting in another set of bar graphs. The primary difference between the two options is the inclusion of the phase 1B ecological risk assessment (ERA) data as a time critical element in Option 1 and not in Option 2. In Option 2 the phase 1A ERA data is considered adequate for the parcel RIs at HPA with no requirement for phase 1B data. The common assumptions for both options and those specific to each scenario 1 and 2 follows.

Common Assumptions

- Assumes updated authorization dates of (1) April 3, 1995 to resume RI field work (site assessment sites and follow-on work and additional RI work) at Parcels B and C and (2) July 10, 1995 to resume RI field work at Parcels D and E.

- Assumes that since, field work in Parcels D and E was stopped on October 24, 1994, the necessary second and third rounds of groundwater sampling from CTO 276 will coincide with the groundwater sampling rounds associated with the site assessment sites.

- Assumes that the presentation of the RI data for each of the parcels will be held one month after beginning the preparation of the RI report for that parcel.

- Assumes that the preparation process for each of the parcel RI reports is staggered by three months to avoid overlapping preparation and presentation of the parcel RI data to the agencies, and review periods for the four documents.

- Assumes laboratory data analysis, data validation, and technical review of samples will be completed within 90 days of sample collection.

- Assumes the review periods for document are as per the FFA.

- The durations shown on these schedules are in work days not calendar days.

Assumptions for Option 1

- Assumes that the phase 1B ERA data is necessary for the completion of each of the parcel RI reports, and that the phase 1B ERA work plan will be finalized by June 19, 1995, field work will commence by September 21, 1995, and the draft report for the ERA will be submitted to the agencies on February 4, 1997.

- Assumes the full scope and duration for all of the parcel RI reports are maintained, with the durations of field work adjusted to reflect current estimates of work remaining in each parcel.

Assumptions for Option 2

- Assumes that the results of the phase 1B ERA will not be necessary for the completion of each of the parcel RI reports except in Parcel E, as was assumed in previously submitted FFA schedules. This schedule assumes that the results of the phase 1A ERA will be adequate for the public health and environmental evaluation (PHEE) for each parcel except for Parcel E.

- Assumes this schedule maintains the full scope and duration for all of the parcel RI reports, less the phase 1B ERA data.

Parcel A Schedule Assumptions

January 11, 1995 (revised February 1, 1995)

The Parcel A schedule is based upon the following assumptions:

1. The scope of this schedule stems from the informal resolution of a dispute regarding characterization of the groundwater in the 50 acre upland portion of Parcel A; a petroleum sheen was subsequently found in the groundwater. No additional contamination will be identified in the Parcel A groundwater.

2. Regulatory agencies will review and respond to draft documents within three weeks of receipt. The Navy will address agency comments and submit draft final documents within three weeks of receipt of all regulatory agency comments.

3. The draft final documents will serve as the final documents, with changes specified in the form of an addenda.

4. The technical memorandum of the sandblast Investigation will be included in the revised Parcel A SI report or RI report as agreed upon.

5. The summmary of the soil data will be included in the RI report.

6. A list of appropriate ARARs will be prepared by March 3, 1995.

7. The preparation of the revised Parcel A SI report (if prepared) and Parcel A RI report will be prepared concurrently.

8. All Groundwater samples will be taken by January 31, 1995.

DRAFT

SCHEDULE FOR PARCEL A

Document	Deadline	Estimated Date
Revised Final SI Report	3/24/95	——
Draft Mini-RI Report	4/14/95	——
Draft Mini-FS Report	4/28/95	
Draft Proposed Plan	with submittal of Draft Mini-FS Reports	4/28/95
Draft Final Mini-RI Report*	45 days after submittal of Draft Mini-RI Report	5/29/95
Draft Final Proposed Plan*	90 days after submittal of Draft Proposed Plan	7/31/95
Draft Final Mini-FS Report*	45 days after submittal of Draft Mini-FS Report	6/12/95
Final Proposed Plan Published	60 days after submittal of Draft Final Proposed Plan	9/29/95
Start of Public Comment Period on Draft Proposed Plan	5 business days after publication of Proposed Plan	10/4/95
Final Mini-RI Report*	30 days after submission of Draft Final Mini-RI Report	7/28/95
Final Mini-FS Report*	30 days after submission of Draft Final Mini-FS Report	7/12/95
Draft Record of Decision (ROD)	30 days after end of Public comment period on Proposed Plan	11/3/95
Final ROD (from USN with no signatures)	75 days after submittal of Draft ROD	1/17/96
Final ROD Approval	14 days after submittal of Final ROD	1/31/96

* - Primary document subject to dispute resolution procedures, per Section 7.8.

Public Health and Environmental Evaluation (PHEE) is a Section in the Mini-RI/FS Report