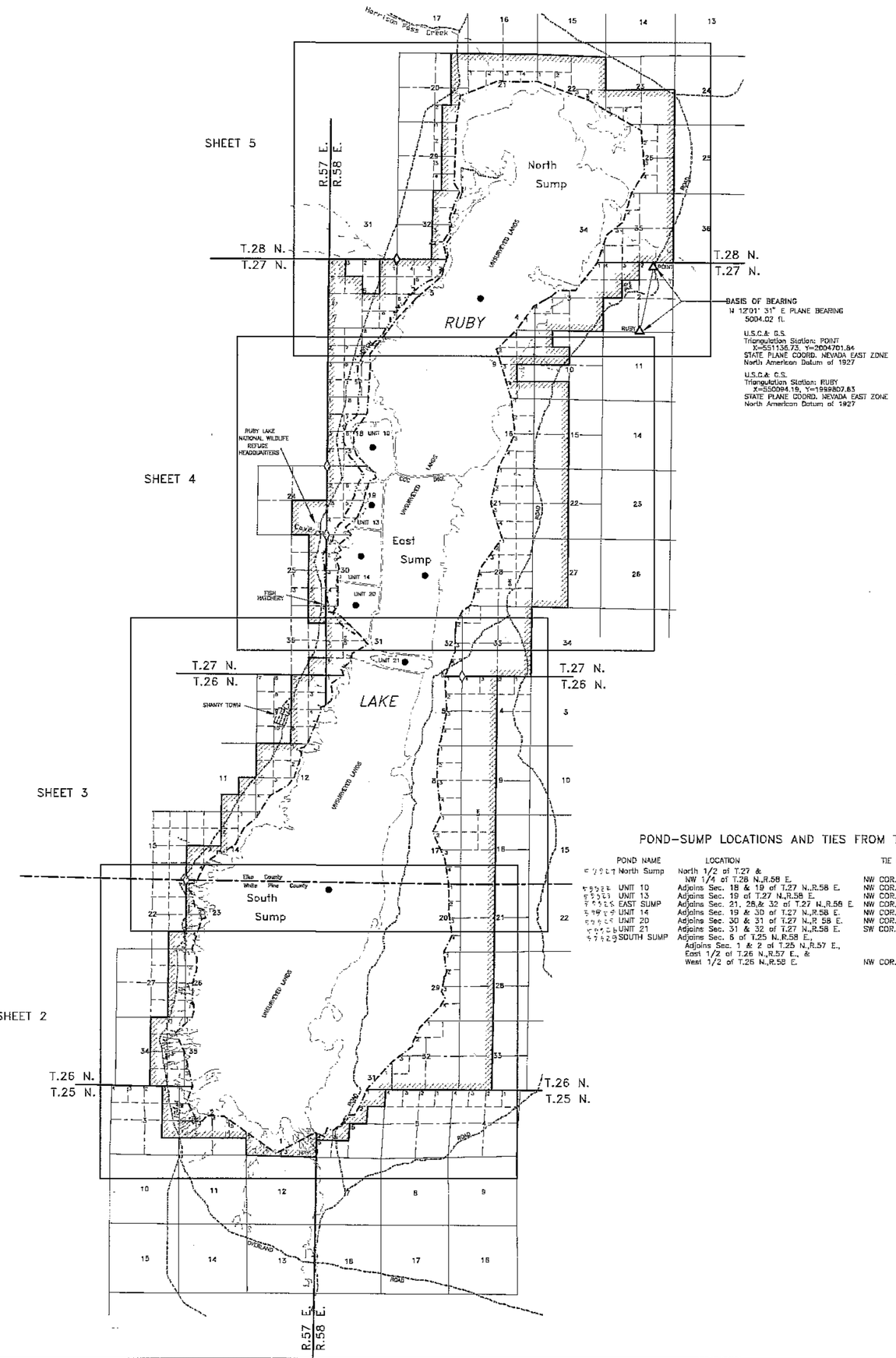


BASIS OF BEARING
N 12°01' 31" E PLANE BEARING
5004.02 ft.

U.S.C.& G.S.
Triangulation Station: POINT
X=551136.73, Y=2004701.84
STATE PLANE COORD. NEVADA EAST ZONE
North American Datum of 1927

U.S.C.& G.S.
Triangulation Station: RUBY
X=550094.19, Y=1999807.63
STATE PLANE COORD. NEVADA EAST ZONE
North American Datum of 1927

BASIS OF BEARING
Based on U.S.C.& G.S.
Triangulation Stations:
Ruby and Point

VERTICAL DATUM IS MEAN SEA LEVEL
National Geodetic Vertical Datum of 1929

LEGEND

- Refuge Boundary and Exterior of Proposed Place of Use
- Collection Ditch
- Well with Wind Driven Pump
- Road
- Ruby Lake Shoreline (Approx.)
- Creek
- Spring
- TOWNSHIP OR RANGE LINE
- SECTION LINE
- QUARTER SECTION LINE
- 16th SECTION LINE
- G.L.O MEANDER LINE OF RUBY LAKE
- CENTER OF POND OR SUMP
- TIE CORNER (see pages 2–5 for description of corner)
- TRIANGULATION STATION AS NOTED

POND–SUMP LOCATIONS AND TIES FROM THE CENTER THEREOF TO A LAND CORNER

POND NAME	LOCATION	TIE CORNER	BEARING TO TIE	DISTANCE	RESOURCE MANAGEMENT OBJECTIVE LEVEL (M.S.L.)
North Sump	North 1/2 of T.27 & NW 1/4 of T.28 N.,R.58 E.	NW COR. S.5 of T.27 N.,R.58 E.	N 65°05' W	7090 ft.	5964.00 ft.
UNIT 10	Adjoins Sec. 18 & 19 of T.27 N.,R.58 E.	NW COR. S.19 of T.27 N.,R.58 E.	S 67°45' W	3790 ft.	5965.50 ft.
UNIT 13	Adjoins Sec. 19 of T.27 N.,R.58 E.	NW COR. S.19 of T.27 N.,R.58 E.	N 48°55' W	4540 ft.	5965.00 ft.
EAST SUMP	Adjoins Sec. 21, 28,& 32 of T.27 N.,R.58 E.	NW COR. S.30 of T.27 N.,R.58 E.	N 67°45' W	8190 ft.	5964.50 ft.
UNIT 14	Adjoins Sec. 19 & 30 of T.27 N.,R.58 E.	NW COR. S.30 of T.27 N.,R.58 E.	N 58°25' W	3130 ft.	5965.00 ft.
UNIT 20	Adjoins Sec. 30 & 31 of T.27 N.,R 58 E.	NW COR. S.30 of T.27 N.,R.58 E.	N 22°45' W	5840 ft.	5965.50 ft.
UNIT 21	Adjoins Sec. 31 & 32 of T.27 N.,R.58 E.	SW COR. S.32 of T.27 N.,R.58 E.	S 78°00' E	4510 ft.	5965.00 ft.
SOUTH SUMP	Adjoins Sec. 6 of T.25 N.,R.58 E., Adjoins Sec. 1 & 2 of T.25 N.,R.57 E., East 1/2 of T.26 N.,R.57 E., & West 1/2 of T.26 N.,R.58 E.	NW COR. S.23 of T.26 N.,R.57 E.	N 88°10'W	10955 ft.	5964.75 ft.

STATE OF OREGON
COUNTY OF MULTNOMAH } SS

I, MICHAEL L. RICHEY, BEING FIRST DULY SWORN AND SAY THAT THIS MAP, CONSISTING OF 5 SHEETS, NUMBERED FROM 1 TO 5, INCLUSIVE, HAS BEEN CORRECTLY DRAWN BY ME TO THE DESIGNATED SCALE FROM SURVEY MADE UNDER MY SUPERVISION AND DIRECTION AND OTHER RECORDS.

2) THAT IT CORRECTLY REPRESENTS THE PROPOSED PLACE OF USE OF WATER FROM THE INDICATED SPRINGS WITHIN WHITE PINE AND ELKO COUNTIES BY APPLICANT: UNITED STATES OF AMERICA, U.S.D.I. FISH AND WILDLIFE SERVICE FOR WILDLIFE PURPOSES.

3) THAT THE BOUNDARY OF ALL LANDS WITHIN THE PROPOSED PLACE OF USE ARE FULLY AND CORRECTLY DESIGNATED IN 40 ACRE SUBDIVISIONS ON THIS MAP.

STATE WATER RIGHT SURVEYOR #860

SUBSCRIBED AND SWORN BEFORE ME THIS 25th DAY OF August

1994, NOTARY PUBLIC IN AND FOR MULTNOMAH COUNTY, OREGON.

NOTARY PUBLIC

MY COMMISION EXPIRES ON 10-15-96

OFFICIAL SEAL
JUDITH M. GROVER
NOTARY PUBLIC-OREGON
COMMISSION NO. 019130
MY COMMISSION EXPIRES OCT 15, 1996

FILED
AUG 30 1994
STATE ENGINEER'S OFFICE

SHEET 1 OF 5

PROPOSED PLACE OF USE MAP
TO ACCOMPANY APPLICATION TO APPROPRIATE WATER FOR THE USE OF WILDLIFE PURPOSES

0 2400 4800 9600 14400 19200 FEET

By: U.S. Fish and Wildlife Service
Department of the Interior
From: SPRINGS IN AND AROUND RUBY LAKE

85437
85436
85435
85434
R09677
R09676 R09675 61729 61728 61727 61726 61725 59929 59928 59927 59926 59925 59924 59923 59922

File Under: 59916

T. 25 & 26 N.,R. 57 & 58 E., MT. DIABLO MERIDIAN
WHITE PINE COUNTY, NEVADA

FD. SECTION CORNER COMMON TO SEC. 14, 15, 22,& 23 OF T. 26 N., R. 57 E., M.D.M 1936 U.S.B.S. CONCRETE MON.

MATCH LINE SHEET 3

Elko County
White Pine County

N 88°10' W 10955 ft.

FD. W.C TO SECTION CORNER COMMON TO SEC. 22, 23, 26,& 27 OF T. 26 N., R. 57 E. M.D.M. 1936 U.S.B.S. CONCRETE MON.

FD. 1/4 COR. COMMON TO SEC. 27 & 34 T.25 N., R.57 E. 1936 U.S.B.S. 1 1/2" I.P. MON.

FD. CLOSING SECTION CORNER COMMON TO SEC. 2 & 3 T. 25 N., R. 57 E., M.D.M 1936 U.S.B.S. CONCRETE MON.

RUBY LAKE

(UNSURVEYED LANDS)

South Sump

N

BASIS OF BEARING
Based on U.S.C.& G.S. Triangulation Stations:
Ruby Lat. N 40° 14' 33.15050"
Long. W 115° 24' 13.96791"
Point Lat. N 40° 15' 21.49904"
Long. W 115° 24' 00.39255"
North American Datum of 1927

VERTICAL DATUM IS MEAN SEA LEVEL

G.L.O. MEANDER LINE

ROAD

T. 26 N.

T. 25 N.

SPRING LOCATIONS AND CORNER TIES

NO.	LOCATION	TIE CORNER	BEARING TO TIE	DISTANCE	FLOW
156	NE1/4-NE1/4, S.22, T26N,R57E	NE COR. S.22	N 52°22'52" E	458 ft.	0.05 cfs
162	NE1/4-SE1/4, S.22, T26N,R57E	NE COR. S.22	N 00°54'04" E	3607 ft.	0.15 cfs
163	NE1/4-SE1/4, S.22, T26N,R57E	NE COR. S.22	N 01°43'35" E	3630 ft.	0.15 cfs
164	LOT 3, S.23, T26N,R57E	NW COR. S.23	N 00°46'08" W	3799 ft.	0.14 cfs
171	NE1/4-NE1/4, S.27, T26N,R57E	NE COR. S.27	N 84°43' E	622 ft.	0.47 cfs
173	NE1/4-SE1/4, S.27, T26N,R57E	S 1/4 COR. S.27	N 42°11' E	3068 ft.	0.19 cfs
174	NE1/4-SE1/4, S.27, T26N,R57E	S 1/4 COR. S.27	N 43°48' E	3108 ft.	0.19 cfs
175	NE1/4-SE1/4, S.27, T26N,R57E	S 1/4 COR. S.27	N 45°08' E	2976 ft.	0.19 cfs
176	NE1/4-SE1/4, S.27, T26N,R57E	S 1/4 COR. S.27	N 45°38' E	2938 ft.	0.19 cfs
177	NE1/4-SE1/4, S.27, T26N,R57E	S 1/4 COR. S.27	N 47°07' E	2811 ft.	0.19 cfs
188	SW1/4-NE1/4, S.34, T26N,R57E	N 1/4 COR. S.34	N 20°20' E	2322 ft.	0.04 cfs
203	NW1/4-SE1/4, S.34, T26N,R57E	N 1/4 COR. S.34	N 16°05' E	3954 ft.	0.63 cfs
204	SE1/4-SE1/4, S.34, T26N,R57E	N 1/4 COR. S.34	N 19°53'E	5062 ft.	0.34 cfs
222	NE1/4-SE1/4, S.3, T25N,R57E	NE COR. S.3	N 2°25'32" E	3178 ft.	0.02 cfs

SHEET 2 OF 5

LEGEND

Refuge Boundary and Exterior of Proposed Place of Use
Road
Ruby Lake Shoreline (Approx.)
Creek
Township or Range Line
Section Line
Quarter Section Line
16th Section Line
G.L.O. Meander Line of Ruby Lake
Spring
Center of Pond or Sump
Tie Corner

U.S.B.S. = U.S. Bureau of Biological Survey (Predecessor to U.S. Fish and Wildlife Service)

FILED
AUG 30 1994
STATE ENGINEER'S OFFICE

PROPOSED PLACE OF USE MAP
TO ACCOMPANY APPLICATION TO APPROPRIATE WATER FOR THE USE OF WILDLIFE PURPOSES

0 500 1000 2000 3000 4000 FEET

By: U.S. Fish and Wildlife Service
Department of the Interior
From: SPRINGS IN AND AROUND RUBY LAKE

FILE UNDER 59916

85437
85436
85435
85434 59945 59944 59943 59942 59941 59940 59939 59938 59937 59936 59935 59934 59933 59932

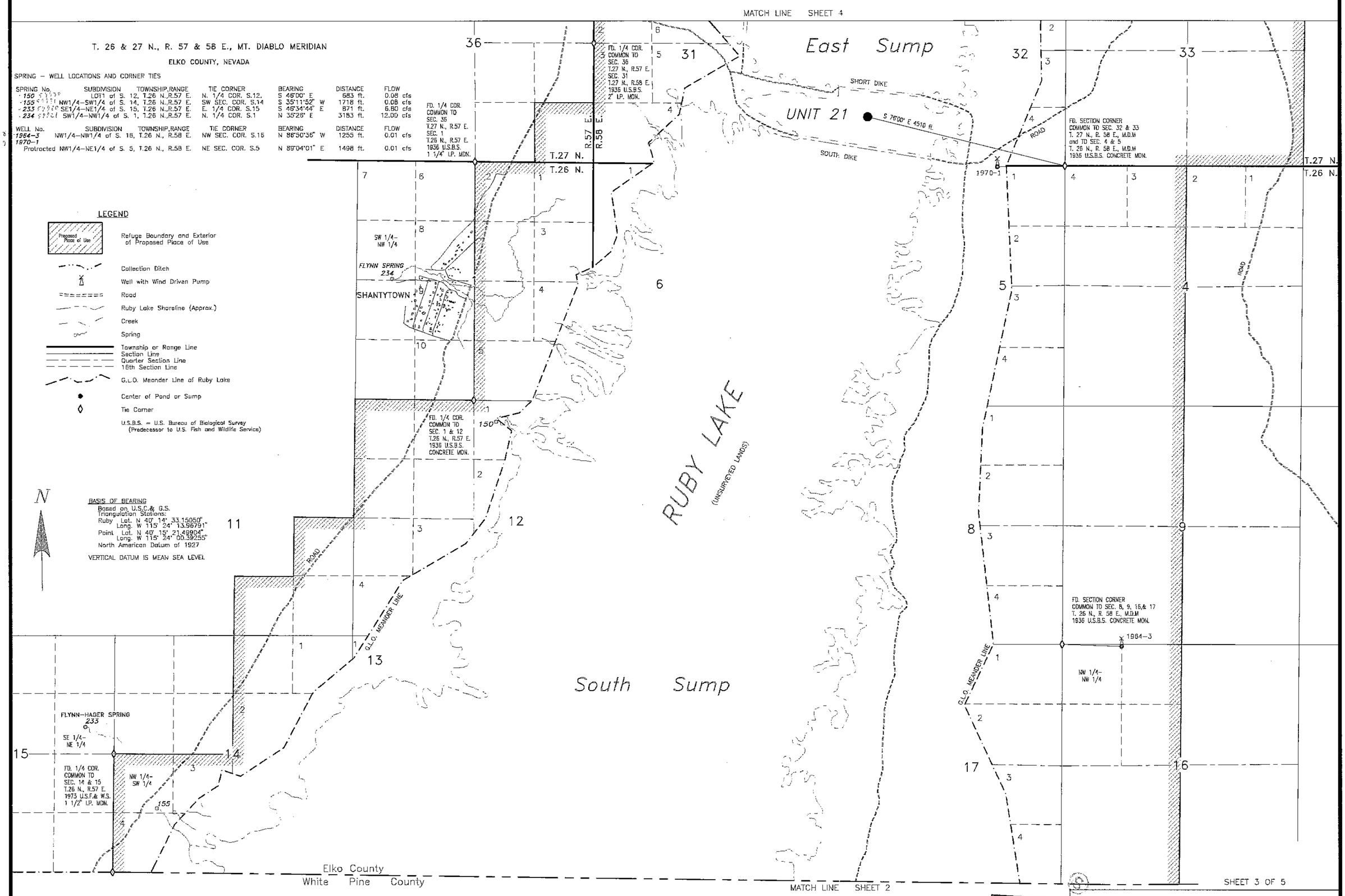
T. 26 & 27 N., R. 57 & 58 E., MT. DIABLO MERIDIAN

ELKO COUNTY, NEVADA

SPRING – WELL LOCATIONS AND CORNER TIES

SPRING No.	SUBDIVISION	TOWNSHIP,RANGE	TIE CORNER	BEARING	DISTANCE	FLOW
150	LOT1 of S. 12,	T.26 N.,R.57 E.	N. 1/4 COR. S.12.	S 45°00' E	585 ft.	0.08 cfs
155	NW1/4–SW1/4 of S. 14,	T.26 N.,R.57 E.	SW SEC. COR. S.14	S 35°11'52" W	1718 ft.	0.08 cfs
233	SE1/4–NE1/4 of S. 15,	T.26 N.,R.57 E.	E. 1/4 COR. S.15	S 46°34'44" E	871 ft.	6.80 cfs
234	SW1/4–NW1/4 of S. 1,	T.26 N.,R.57 E.	N. 1/4 COR. S.1	N 35°26' E	3183 ft.	12.00 cfs

WELL No.	SUBDIVISION	TOWNSHIP,RANGE	TIE CORNER	BEARING	DISTANCE	FLOW
1964–3	NW1/4–NW1/4 of S. 16,	T.26 N., R.58 E.	NW SEC. COR. S.16	N 86°50'35" W	1255 ft.	0.01 cfs
1970–1	Protracted NW1/4–NE1/4 of S. 5,	T.26 N., R.58 E.	NE SEC. COR. S.5	N 89°04'01" E	1498 ft.	0.01 cfs



LEGEND

- Proposed Place of Use — Refuge Boundary and Exterior of Proposed Place of Use
- Collection Ditch
- Well with Wind Driven Pump
- Road
- Ruby Lake Shoreline (Approx.)
- Creek
- Spring
- Township or Range Line
- Section Line
- Quarter Section Line
- 16th Section Line
- G.L.O. Meander Line of Ruby Lake
- Center of Pond or Sump
- Tie Corner

U.S.B.S. = U.S. Bureau of Biological Survey (Predecessor to U.S. Fish and Wildlife Service)

FILED
AUG 30 1984
STATE ENGINEER'S OFFICE

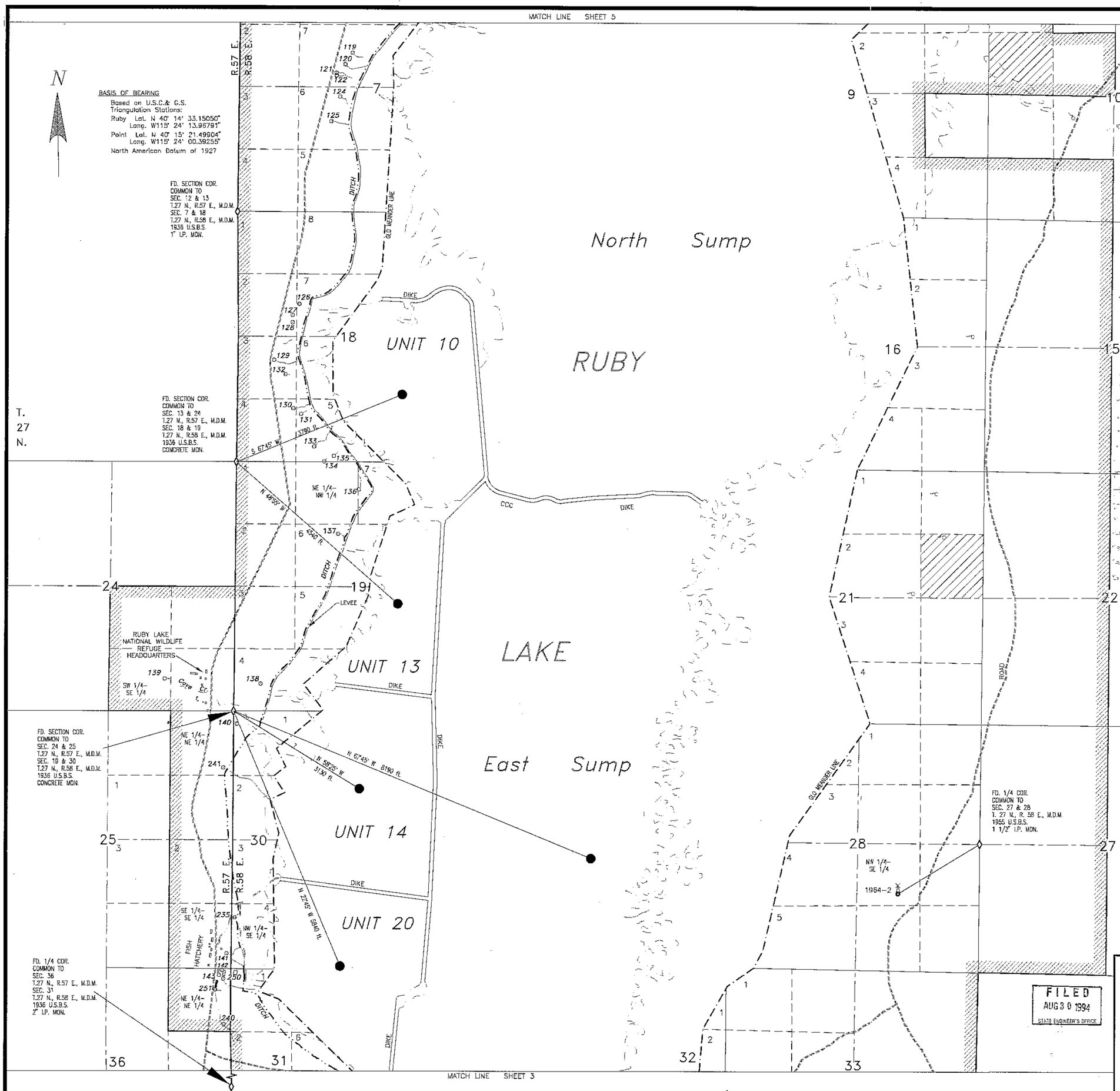
PROPOSED PLACE OF USE MAP
TO ACCOMPANY APPLICATION TO APPROPRIATE WATER FOR THE USE OF WILDLIFE PURPOSES

0 500 1000 2000 3000 4000 FEET

By: U.S. Fish and Wildlife Service
Department of the Interior
From: SPRINGS IN AND AROUND RUBY LAKE

FILE UNDER 59916

85437 85436 85435 85434 59931 59930 59921 59920 59919 59918



T. 27 N., R. 57 & 58 E., MT. DIABLO MERIDIAN

ELKO COUNTY, NEVADA

SPRING–WELL LOCATIONS AND CORNER TIES

WELL No.	LOCATION / BEARING	DISTANCE TO CORNER	CFS FLOW
1964–2	NW1/4–SE1/4, S. 28, T. 27 N., R. 58 E.		0.01
	N 50°05'13" E	1984 ft. E1/4 COR. S.28	

SPRING No.	LOCATION / BEARING	DISTANCE TO CORNER	CFS FLOW
119	LOT 7, S. 7, T. 27 N., R. 58 E.		0.02
	S 35°50' W	4139 ft. SW COR. S.7	
120	LOT 7, S. 7, T. 27 N., R. 58 E.		0.54
	S 36°05' W	3853 ft. SW COR. S.7	
121	LOT 7, S. 7, T. 27 N., R. 58 E.		0.05
	S 35°23' W	3598 ft. SW COR. S.7	
122	LOT 7, S. 7, T. 27 N., R. 58 E.		0.03
	S 35°58' W	3554 ft. SW COR. S.7	
124	LOT 6, S. 7, T. 27 N., R. 58 E.		0.04
	S 41°41' W	3254 ft. SW COR. S.7	
125	LOT 6, S. 7, T. 27 N., R. 58 E.		0.05
	S 46°00' W	3411 ft. SW COR. S.7	
126	LOT 7, S. 18, T. 27 N., R. 58 E.		0.11
	S 21°41'04" W	3588 ft. SW COR. S.18	
127	LOT 2, S. 18, T. 27 N., R. 58 E.		2.85
	S 20°52'00" W	3320 ft. SW COR. S.18	
128	LOT 2, S. 18, T. 27 N., R. 58 E.		0.45
	S 21°53'24" W	3174 ft. SW COR. S.18	
129	LOT 3, S. 18, T. 27 N., R. 58 E.		0.78
	S 32°12'10" W	2289 ft. SW COR. S.18	
130	LOT 4, S. 18, T. 27 N., R. 58 E.		0.11
	S 46°53'33" W	1847 ft. SW COR. S.18	
131	LOT 5, S. 18, T. 27 N., R. 58 E.		0.01
	S 53°28'15" W	1696 ft. SW COR. S.18	
132	LOT 3, S. 18, T. 27 N., R. 58 E.		0.01
	S 29°21'01" W	2118 ft. SW COR. S.18	
133	LOT 5, S. 18, T. 27 N., R. 58 E.		1.16
	S 78°55'30" W	1675 ft. SW COR. S.18	
134	LOT 5, S. 18, T. 27 N., R. 58 E.		2.62
	S 89°50'13" W	1855 ft. SW COR. S.18	
135	LOT 5, S. 18, T. 27 N., R. 58 E.		0.05
	S 86°29'03" W	2062 ft. SW COR. S.18	
136	LOT 7, S. 19, T. 27 N., R. 58 E.		0.05
	N 77°20'42" W	2655 ft. NW COR. S.19	
137	LOT 6, S. 19, T. 27 N., R. 58 E.		0.10
	N 54°48'12" W	2635 ft. NW COR. S.19	
138	LOT 4, S. 19, T. 27 N., R. 58 E.		0.05
	S 44°30'48" W	811 ft. SW COR. S.19	
139	SW1/4–SE1/4, S. 24, T. 27 N., R. 57 E.		60.00
	S 84°56'58" E	1620 ft. SE COR. S.24	
140	LOT 1, S. 30, T. 27 N., R. 58 E.		0.04
	N 13°57'56" W	27 ft. NW COR. S.30	
141	SE1/4–SE1/4, S. 25, T. 27 N., R. 57 E.		4.33
	N 1°36'36" E	5123 ft. NE COR. S.25	
142	NE1/4–NE1/4, S. 36, T. 27 N., R. 57 E.		0.82
	S 4°37'48" E	2633 ft. E1/4 COR. S.36	
143	NE1/4–NE1/4, S. 36, T. 27 N., R. 57 E.		7.10
	S 6°19'25" E	2533 ft. E1/4 COR. S. 36	
235	LOT4, S. 30, T. 27 N., R. 58 E.		0.05
	N 0°24'41" W	4360 ft. NW COR. S.30	
240	NE1/4–NE1/4, S. 36, T. 27 N., R. 57 E.		0.02
	S 6°39'30" E	1484 ft. E1/4 COR. S.36	
241	NE1/4–NE1/4, S. 25, T. 27 N., R. 57 E.		0.10
	N 10°24'10" E	1214 ft. NE COR. S.25	
250	NE1/4–NE1/4, S. 36, T. 27 N., R. 57 E.		0.50
	S 4°21'49" E	2448 ft. E1/4 COR. S.36	
251	NE1/4–NE1/4, S. 36, T. 27 N., R. 57 E.		0.93
	S 9°16'45" E	2241 ft. E1/4 COR. S.36	

LEGEND

- Proposed Place of Use — Refuge Boundary and Exterior of Proposed Place of Use
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- Road
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- Spring
- Township or Range Line
- Section Line
- Quarter Section Line
- 16th Section Line
- G.L.O. Meander Line of Ruby Lake
- Center of Pond or Sump
- Tie Corner
- U.S.B.S. = U.S. Bureau of Biological Survey (Predecessor to U.S. Fish and Wildlife Service)
- Public Water Reserve

SHEET 4 OF 5

FILED
AUG 30 1994
STATE ENGINEER'S OFFICE

PROPOSED PLACE OF USE MAP
TO ACCOMPANY APPLICATION TO APPROPRIATE WATER FOR THE USE OF WILDLIFE PURPOSES

0 500 1000 2000 3000 4000 FEET

By: U.S. Fish and Wildlife Service
Department of the Interior
From: SPRINGS IN AND AROUND RUBY LAKE

FILE UNDER 59916

85437 85436 85435 85434 59990 THRU 59967, 59950 THRU 59946, 59917

T. 27 & 28 N., R. 57 & 58 E., MT. DIABLO MERIDIAN
ELKO COUNTY, NEVADA

SPRING – WELL LOCATIONS AND CORNER TIES

	WELL No.	LOCATION BEARING	DISTANCE	CFS FLOW TO CORNER
59916	1964-1	PROTRACTED NW1/4-SE1/4 S.22, T.28 N., R.58 E. N 61°21'12"E	1562 ft.	0.01 E 1/4 COR. S.22

	SPRING No.	LOCATION BEARING	DISTANCE	CFS FLOW TO CORNER
51	103	SW1/4-NW1/4, S.5, T.27 N.,R.58 E. N 28°59'54"W	2267 ft.	0.34 NW COR. S.5
52	104	SW1/4-NW1/4, S.5, T.27 N.,R.58 E. N 17°32' 4"W	2751 ft.	0.10 NW COR. S.5
53	105	LOT 6, S.5, T.27 N.,R.58 E. N 12°54'33"W	2917 ft.	0.20 NW COR. S.5
54	106	LOT 6, S.5, T.27 N.,R.58 E. N 05°11' 1"W	3322 ft.	0.25 NW COR. S.5
55	107	LOT 6, S.5, T.27 N.,R.58 E. N 02°01'42"W	3406 ft.	0.20 NW COR. S.5
56	108	NE1/4-SE1/4, S.6, T.27 N.,R.58 E. N 01°02'15"E	3434 ft.	0.20 NE COR. S.6
57	109	LOT 6, S.5, T.27 N.,R.58 E. N 00°25'48"W	3700 ft.	0.04 NW COR. S.5
58	110	NE1/4-SE1/4, S.6, T.27 N.,R.58 E. N 03°16'23"E	3962 ft.	0.10 NE COR. S.6
59	111	LOT 8, S.6, T.27 N.,R.58 E. N 03°05'20"E	4182 ft.	0.05 NE COR. S.6
60	112	LOT 8, S.6, T.27 N.,R.58 E. N 06°25'49"E	4443 ft.	0.10 NE COR. S.6
61	113	LOT 8, S.6, T.27 N.,R.58 E. N 06°59'35"E	4518 ft.	0.10 NE COR. S.6
62	114	LOT 8, S.6, T.27 N.,R.58 E. N 06°44'43"E	4649 ft.	0.10 NE COR. S.6
63	115	LOT 8, S.6, T.27 N.,R.58 E. N 10°28'29"E	5283 ft.	0.10 NE COR. S.6
64	116	LOT 8, S.7, T.27 N.,R.58 E. N 16°58'17"E	6096 ft.	0.05 NE COR. S.6
65	117	LOT 8, S.7, T.27 N.,R.58 E. N 18°12'29"E	6260 ft.	0.04 NE COR. S.6
66	118	LOT 8, S.7, T.27 N.,R.58 E. N 19°30'50"E	6354 ft.	0.20 NE COR. S.6

LEGEND

- Proposed Place of Use — Refuge Boundary and Exterior of Proposed Place of Use
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- Center of Pond or Sump
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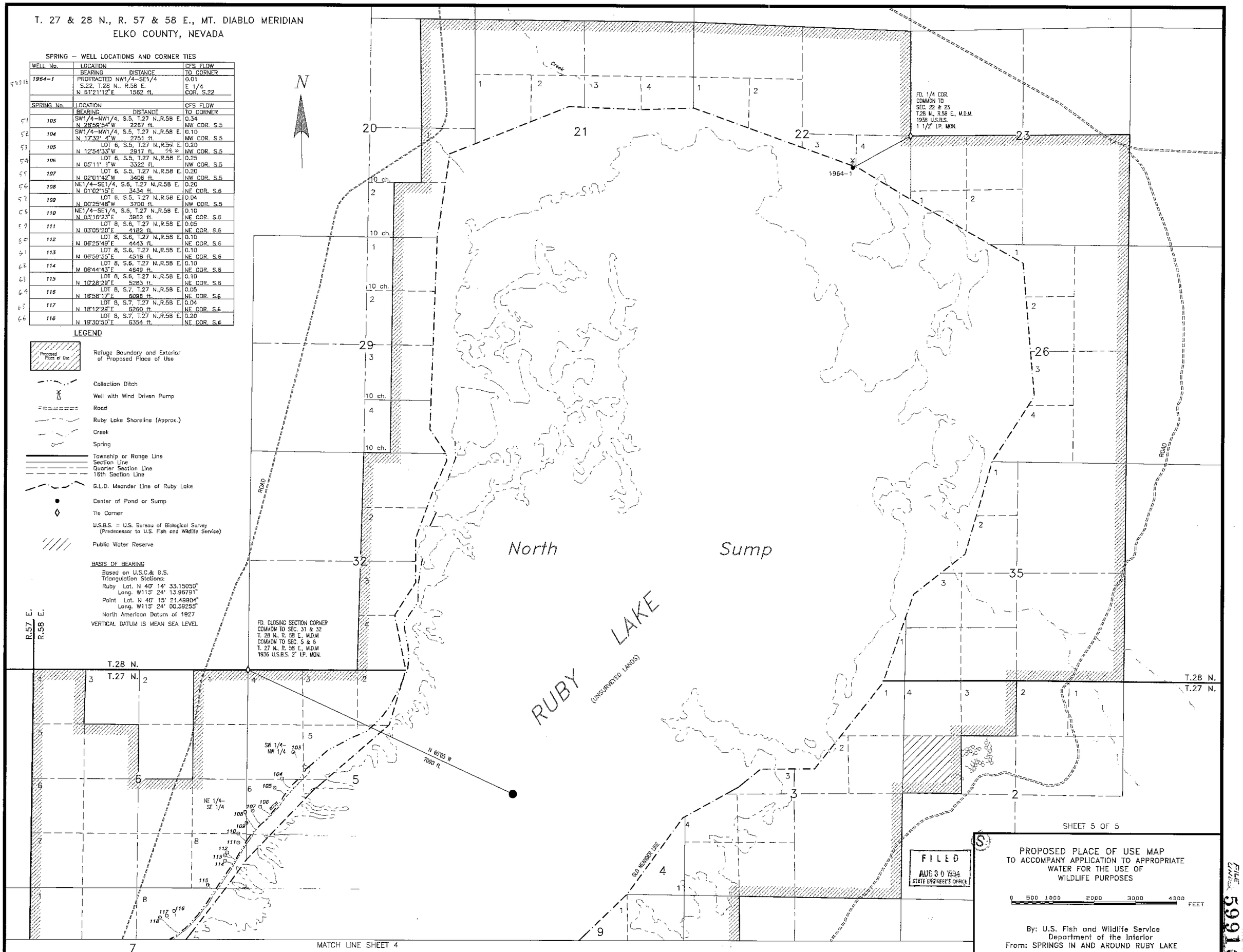
- U.S.B.S. = U.S. Bureau of Biological Survey (Predecessor to U.S. Fish and Wildlife Service)
- Public Water Reserve

BASIS OF BEARING

Based on U.S.C.& G.S. Triangulation Stations:
Ruby Lat. N 40° 14' 33.15050"
Long. W115° 24' 13.96791"
Point Lat. N 40° 15' 21.49904"
Long. W115° 24' 00.39255"
North American Datum of 1927

VERTICAL DATUM IS MEAN SEA LEVEL



85437 85436 85435 85434 59966 59965 59964 59963 59962 59961 59960 59959 59958 59957 59956 59955 59954 59953 59952 59951 59916

FILE CHECK 59916