

June 18, 2008

Aaron Marshall
Idaho Water Resource Board
322 East Front Street
P.O. Box 83720
Boise, Idaho 83720-0098

RECEIVED

JUN 19 2008

DEPARTMENT OF
WATER RESOURCES

RE: Funk Farms Water Bank Application

Dear Aaron:

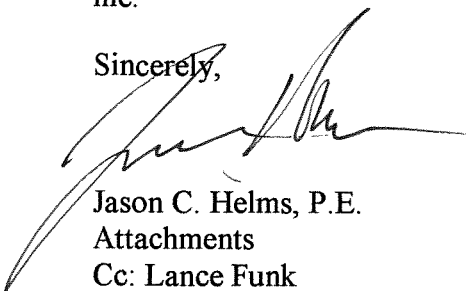
Please find attached a group of water bank lease applications (517.9 acres offered for lease) and one rental application seeking temporary authorization for irrigation of 444 acres within Townships 7S, 28E Section 12 and 7S, 29E Section 6 as shown in the map attached with the rental application as long as the lease portions are available.

I have evaluated the proposed rental for increased transient impacts to the ESPA Snake River reaches for a maximum rental period of 5 years, and based on summation of the combined impacts of residual depletions at the historical water right diversion locations, and additional depletions resulting from the proposed rental; all ESPA reach impacts remain within 5% of historical projections or less than 2 acre-ft per trimester.

All analyses were conducted utilizing the most recent ESPA Transfer Spreadsheet (V3.1) and are included on the attached CD for your use. An additional spreadsheet was created compiling the results from the individual spreadsheet analyses. The combined spreadsheet also includes charts showing historical, residual and projected impacts as well as a summary sheet outlining all water rights involved. The majority of the water rights proposed for rental are new portions offered for lease, however balancing of ESPA reach impacts to minimize additional depletions requires rental of several water right portions that I understand are currently available for rental.

Also included on the attached CD are shapefiles for the various water right portions offered for lease and the area proposed for rental irrigation. Please process the applications at your earliest convenience and if there is any additional information you need please don't hesitate to contact me.

Sincerely,



Jason C. Helms, P.E.
Attachments
Cc: Lance Funk

APPLICATION TO RENT WATER
FROM THE WATER SUPPLY BANK

JUN 19 2008

DEPARTMENT OF
WATER RESOURCES

Applicant Lance Funk Farms Phone 208 226-5207
Address P.O. Box 310
City American Falls State ID Zip Code 83211

A. DESCRIPTION OF WATER SOUGHT TO RENT

1. Source of water Ground Water
Tributary to -
2. Maximum volume of water 1776 afa
3. Maximum rate of diversion 8.88 cfs

B. DESCRIPTION OF USE PROPOSED

1. Nature of intended use Irrigation
2. Location of point of diversion SW 1/4 SE 1/4, Section 1
Township 7S, Range 28E, B.M. Power County
3. Season of use: From 4/1 to 10/31
4. Description of diverting works:
Pump HP 300hp + 60hp booster Lift ~ 400 ft Pump type Vertical turbine
Canal name, if appropriate
5. Place of use:
 - a. If water is for irrigation, describe the number of acres to be irrigated by 40-acre tract, section, township and range.
Proposed use is for 4 new pivot systems which will irrigate approximately 444 total
acres. See attached map for proposed pivot locations and approximate acreage by
tract.

b. If water is not for irrigation, describe the nature of the intended use and the place of use.

6. Describe any other water rights used for the same purposes as rental water sought under this application.

None

7. Who owns the property at the point of diversion?

Applicant

8. Who owns the property at the place of use?

Applicant

9. Are you seeking a rental for more than one (1) year? yes (yes or no)

If yes, for how many years? 5 (at most)

10. Remarks: See attached transient & steady state ESPA mitigation analysis. Results

indicate rental of 553.2 acres of indicated water rights could provide 5 years of rental

for irrigation of up to 444.5 acres while maintaining river reach depletions within 5% of

historical levels.

6/18/08
Date

Eng. Rep. For
Funk Farms
Signature of Applicant

FOR DEPARTMENT USE ONLY

Received by _____ Date _____ Time _____

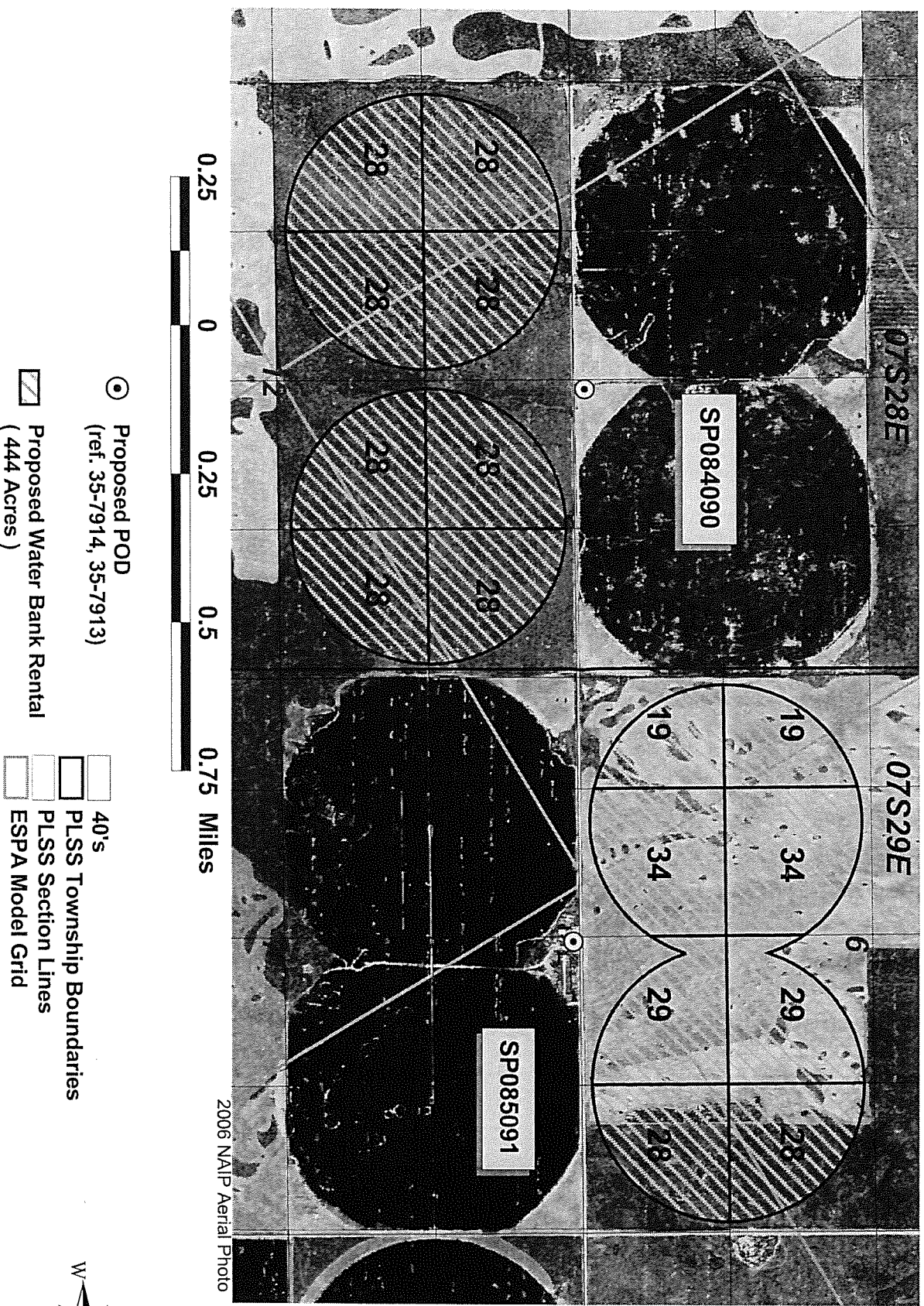
Published in _____ Pub. dates _____

Protests filed by _____

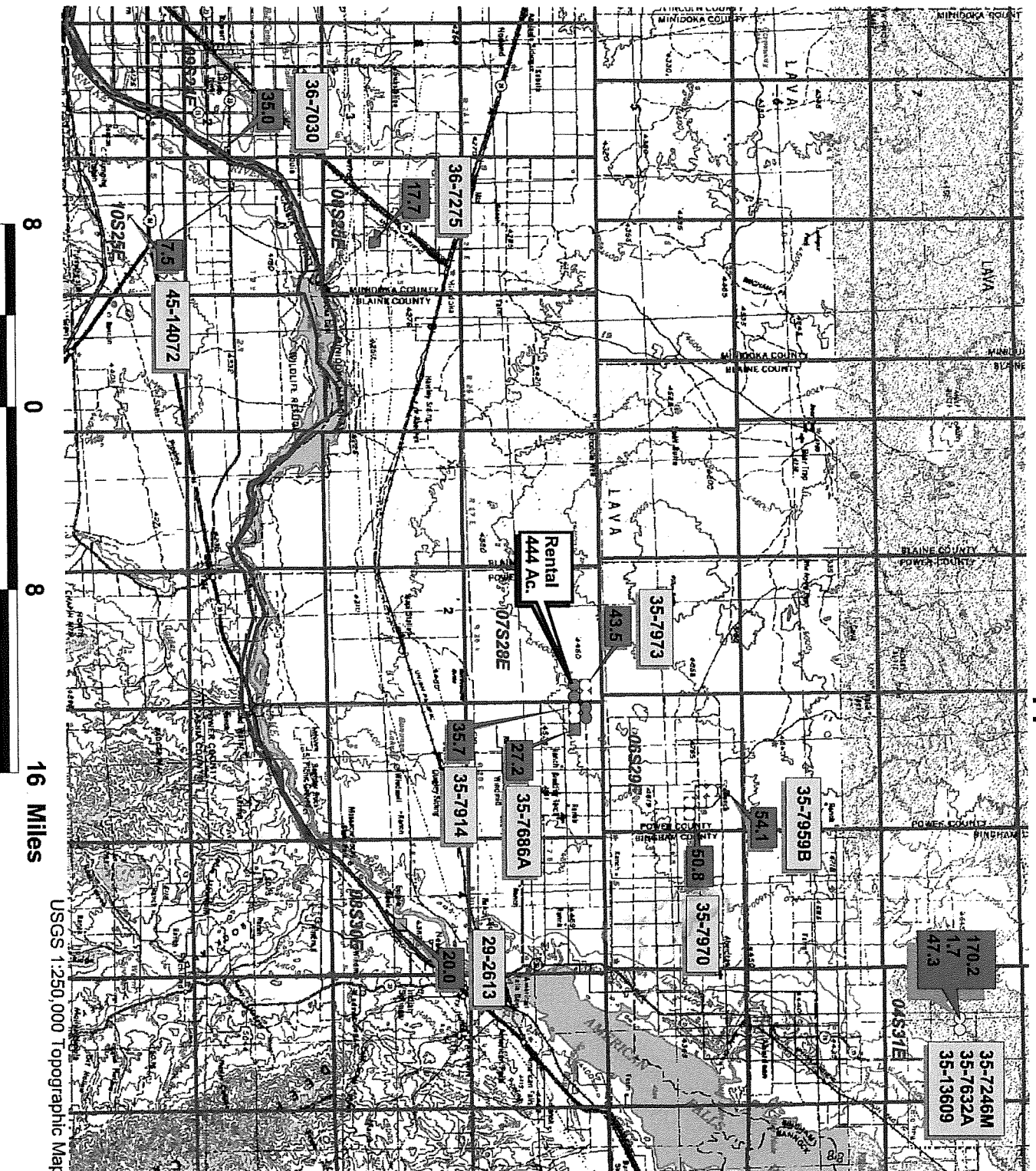
Hearing held by _____

Action recommended _____

Lance Funk Farms Water Bank RENTAL Application TWP. 7S, RNG. 28E Section 12 : N1/2 & TWP. 7S, RNG. 29E, Section 6: S1/2

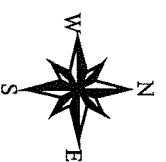


Funk Farms Water Bank Application 2008



USGS 1:250,000 Topographic Map

8 0 8 16 Miles



PLSS Township Boundaries

Lease Acres

Rental Acres

WATER RIGHTS PROPOSED FOR WATER BANK												
Owner	Water Right	Priority	POD Location	Fields	Licensed Div. Rate	Authorized Acres	Proposed Irrigation (2008)	Rental Acres	Rental Div. rate	Rental Volume	Model Volume [afad]	Model Node
Ried Stewart	35-7246M	9/5/1972	4s31e16	STEWART	2.07	205	0	170.2	1.72	680.6	680.6	SP077111
Ried Stewart	35-7632A	8/5/1976	4s31e16	STEWART	0.02	2	0	1.7	0.02	6.6	6.6	SP077111
Ried Stewart	35-13609	9/5/1972	4s31e16	STEWART	0.72	57	0	47.3	0.60	189.2	189.2	SP077111
Lance Funk	35-7914	9/8/1980	7s29e07	88.89	3.65	296	260.3	35.7	0.44	142.8	142.8	SP085091
Lance Funk	35-7973	4/14/1981	7s28e01	90.91	4.81	316	272.5	43.5	0.66	174.0	174	SP084080
LCSC Enterprises	35-7666	2/2/1977	9s29e18	101	1.86	142	130.2	11.8	0.15	47.2	47.2	SP096084
LCSC Enterprises	35-7740	8/15/1977	9s28e24,18	105.106	3.66	290	259.2	30.8	0.39	123.2	123.2	SP096085
Great Rift Land	35-7959B	3/18/1981	6S29E-11	36.37,38.39	1.20	60	32.95	27.05	0.54	108.2	108.2	SP081097
	35-7899B	3/18/1981	6S29E-11	36.37,38.39	1.20	60	32.95	27.05		108.2	108.2	SP082096
Melvin Funk	35-7970	3/23/1981	6S29E-14	36.37,38.39	6.69	396	345.2	50.8	0.86	203.2	203.2	SP083097
Burgmeister	35-7686A	3/17/1977	5s29e13		2.57	154	126.8	27.2	0.45	108.8	108.8	SP085091
Oxarango	36-7030	6/7/1968	09S24E-25		0.70	35	0	35	0.70	140.0	140	SP085062
MinView	36-7275	12/1/1972	08S25E-22		2.28	114	65	17.7	0.35	70.8	70.8	SP081069
Klein	29-2613	12/28/1948	08S30E-22		2.89	155	144	20	0.37	80.0	80	SP09609
Ander	45-14072	5/9/1952	10S25E-9		0.11	8.4	0	7.5	0.10	30.0	30	SP089063
PROPOSED RENTAL												
Owner	Water Right	Priority	POD Location	Fields	Licensed Div. Rate	Authorized Acres	Proposed Irrigation (2008)	Rental Acres	Rental Div. rate	Rental Volume	Model Volume [afad]	Model Node
Lance Funk			7s29e06	New pivots				222.7	4.45	890.9	890.9	SP084090
Lance Funk			7s29e12	New pivots				222.7	4.45	890.9	890.9	SP085091
								445.5	8.91		1781.8	
								553.2	7.36	2212.9	2212.9	

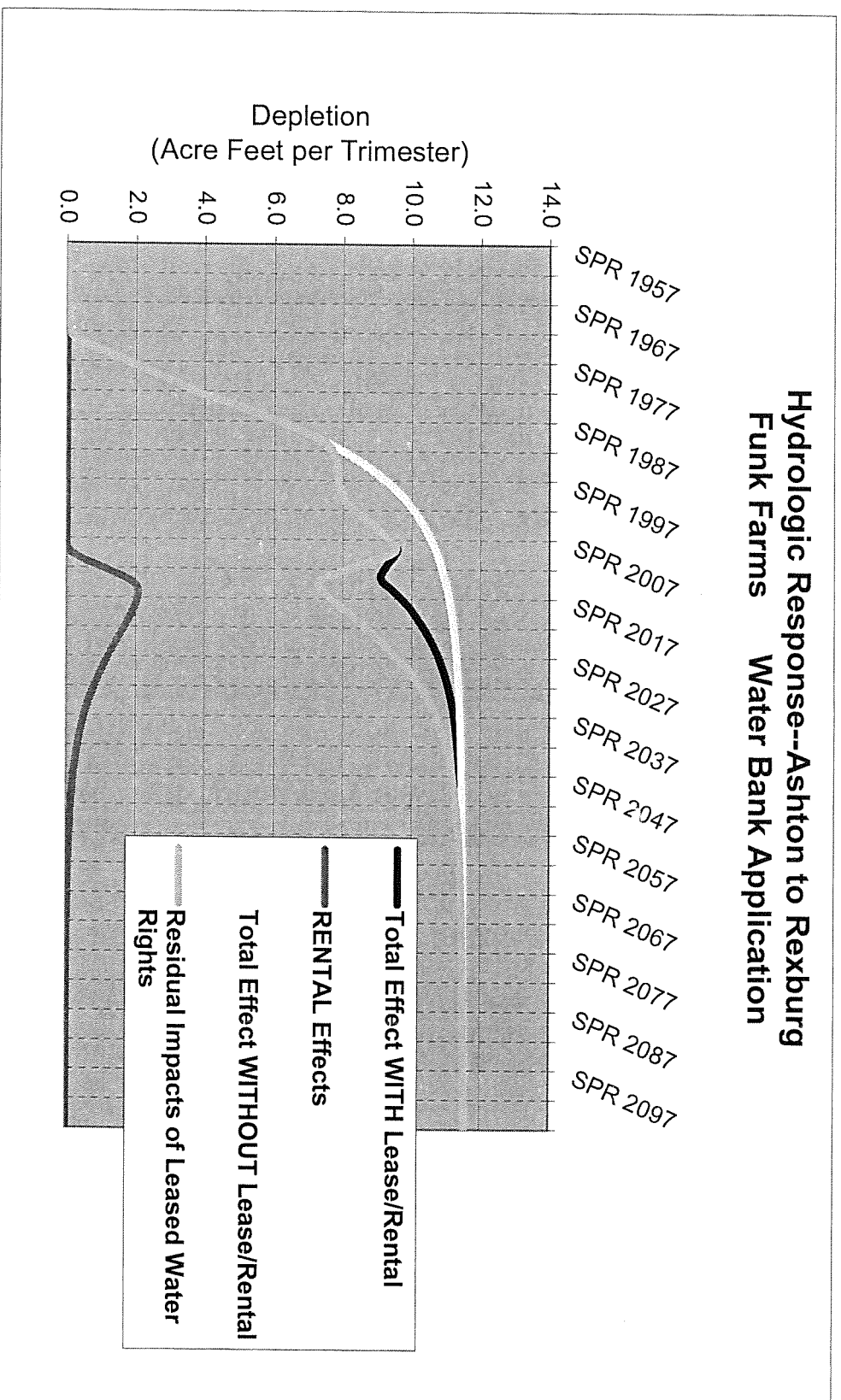
WATER RIGHTS PROPOSED FOR WATER BANK

										Proposed		Model	
Owner	Water Right	Priority	POD Location	Fields	Licensed Div. Rate	Authorized Acres	Irrigation (2008)	Rental Acres	Rental Div. rate	Rental Volume	Volume [afa]	Model Node	
Reid Stewart	35-7246M	9/5/1972	4s31e16	STEWART	2.07	205	0	170.2	1.72	680.6	680.6	SP077111	
Reid Stewart	35-7632A	8/5/1976	4s31e16	STEWART	0.02	2	0	1.7	0.02	6.6	6.6	SP077111	
Reid Stewart	35-13609	9/5/1972	4s31e16	STEWART	0.72	57	0	47.3	0.60	189.2	189.2	SP077111	
Lance Funk	35-7914	9/8/1980	7s29e07	88.89	3.65	296	260.3	35.7	0.44	142.8	142.8	SP085091	
Lance Funk	35-7973	4/14/1981	7s28e01	90.91	4.81	316	272.5	43.5	0.66	174.0	174	SP084090	
LCSC Enterprises	35-7666	2/2/1977	9s29e18	101	1.86	142	130.2	11.8	0.15	47.2	47.2	SP096084	
LCSC Enterprises	35-7740	8/15/1977	9s28e24,18	105.106	3.66	290	259.2	30.8	0.39	123.2	123.2	SP096083	
Great Rift Land	35-7959B	3/18/1981	6S29E-11	36.37,38.39	1.20	60	32.95	27.05	0.54	108.2	108.2	SP081097	
	35-7959B	3/18/1981	6S29E-11	36.37,38.39	1.20	60	32.95	27.05		108.2	108.2	SP082096	
Meiwin Funk	35-7970	3/23/1981	6S29E-14	36.37,38.39	6.69	396	345.2	50.8	0.86	203.2	203.2	SP083097	
Burgemeister	35-7686A	3/17/1977	5s29e13		2.57	154	126.8	27.2	0.45	108.8	108.8	SP085091	
Oxarango	36-7030	6/7/1968	09S24E-25		0.70	35	0	35	0.70	140.0	140	SP085062	
Mtn View	36-7275	12/1/1972	08S25E-22		2.28	114	65	17.7	0.35	70.8	70.8	SP081069	
Krein	29-2613	12/28/1948	08S30E-22		2.89	155	144	20	0.37	80.0	80	SP096095	
Ander	45-14072	5/9/1952	10S25E-9		0.11	8.4	0	7.5	0.10	30.0	30	SP089063	

PROPOSED RENTAL

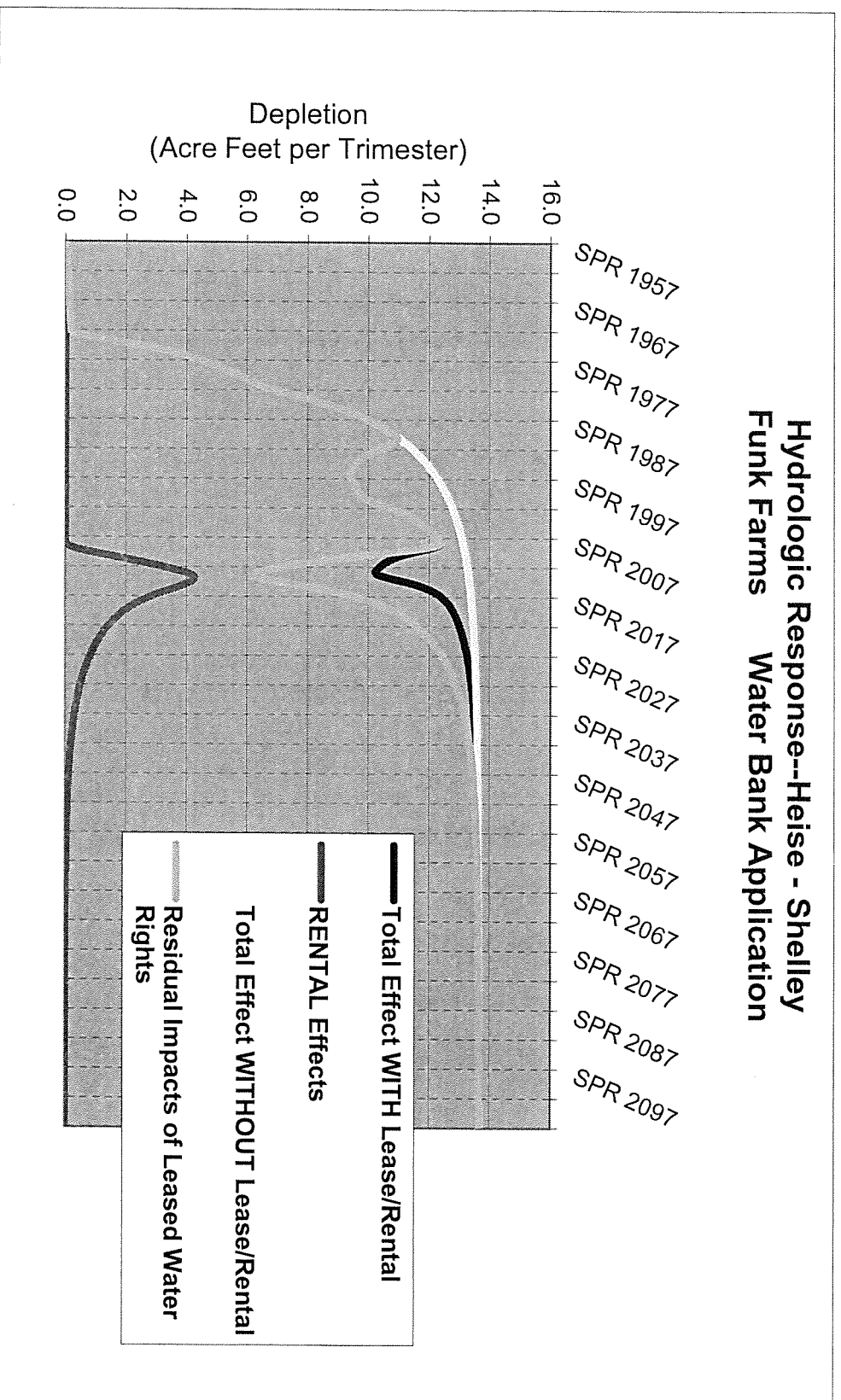
Funk Farms
Calculated ESPA Impacts due to short-term
Waterbank Rental Application

Hydrologic Response--Ashton to Rexburg
Funk Farms Water Bank Application



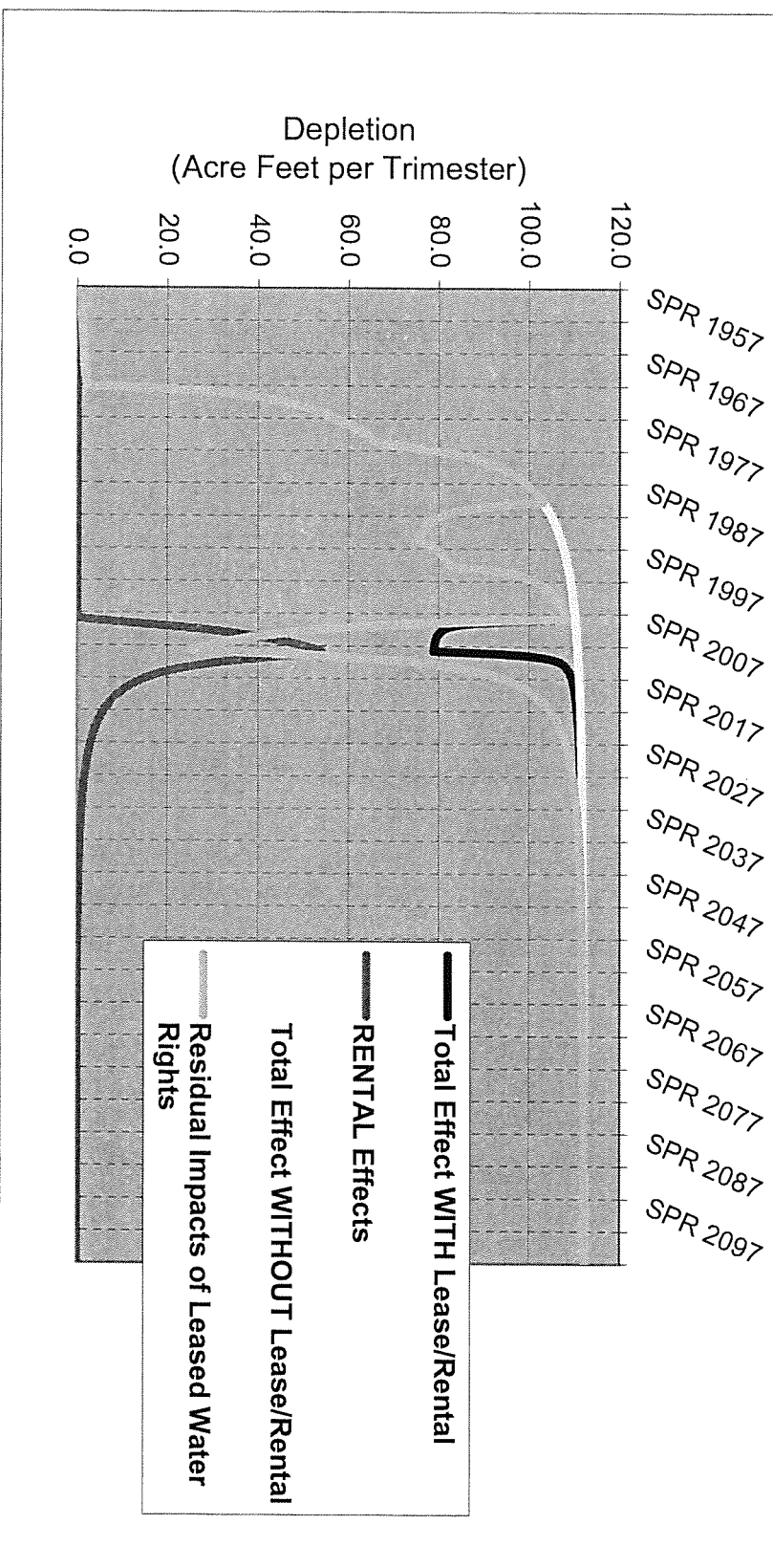
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**Hydrologic Response--Heise - Shelley
 Funk Farms Water Bank Application**



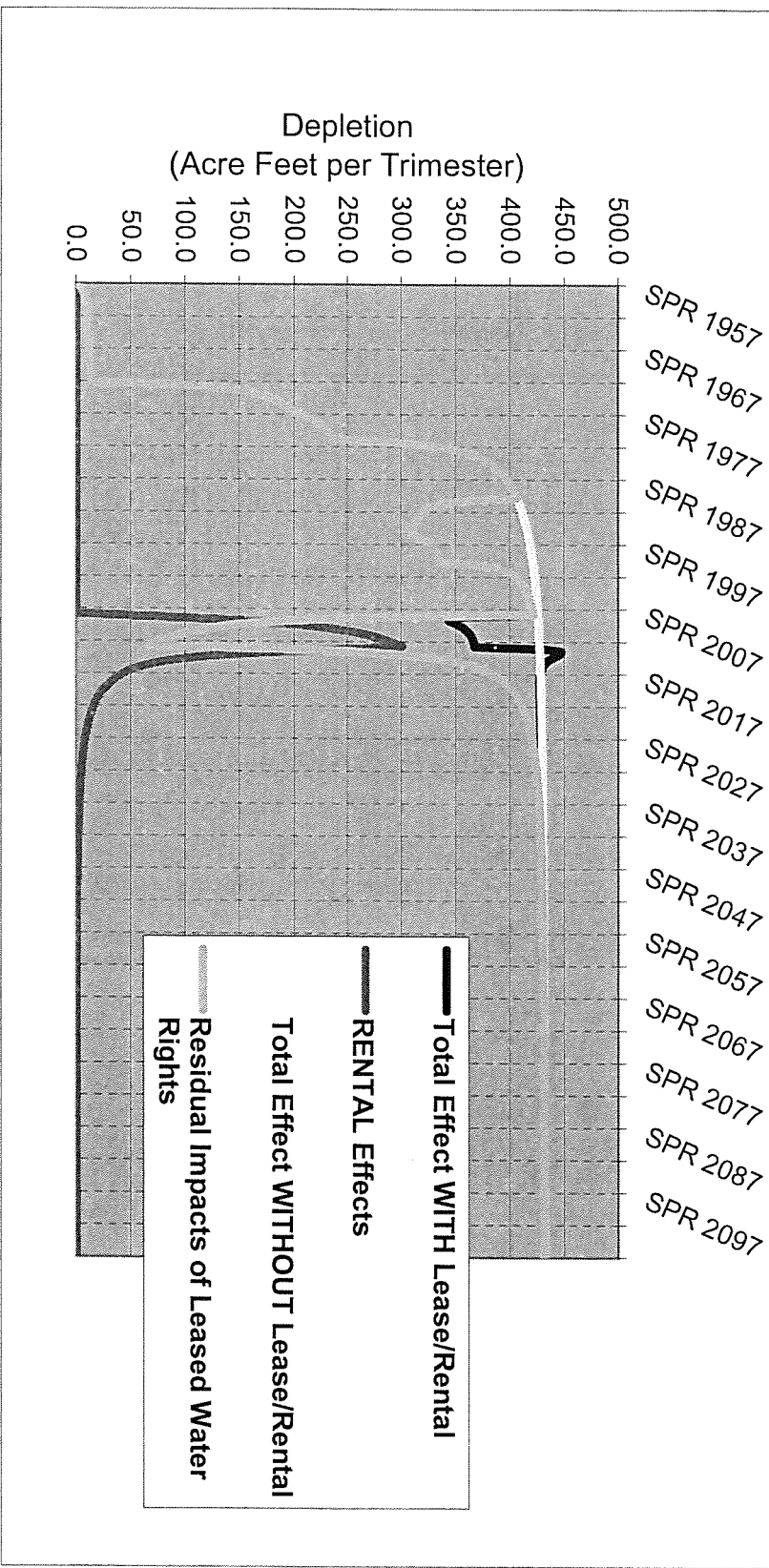
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Hydrologic Response--Shelley to Near Blackfoot
Funk Farms Water Bank Application



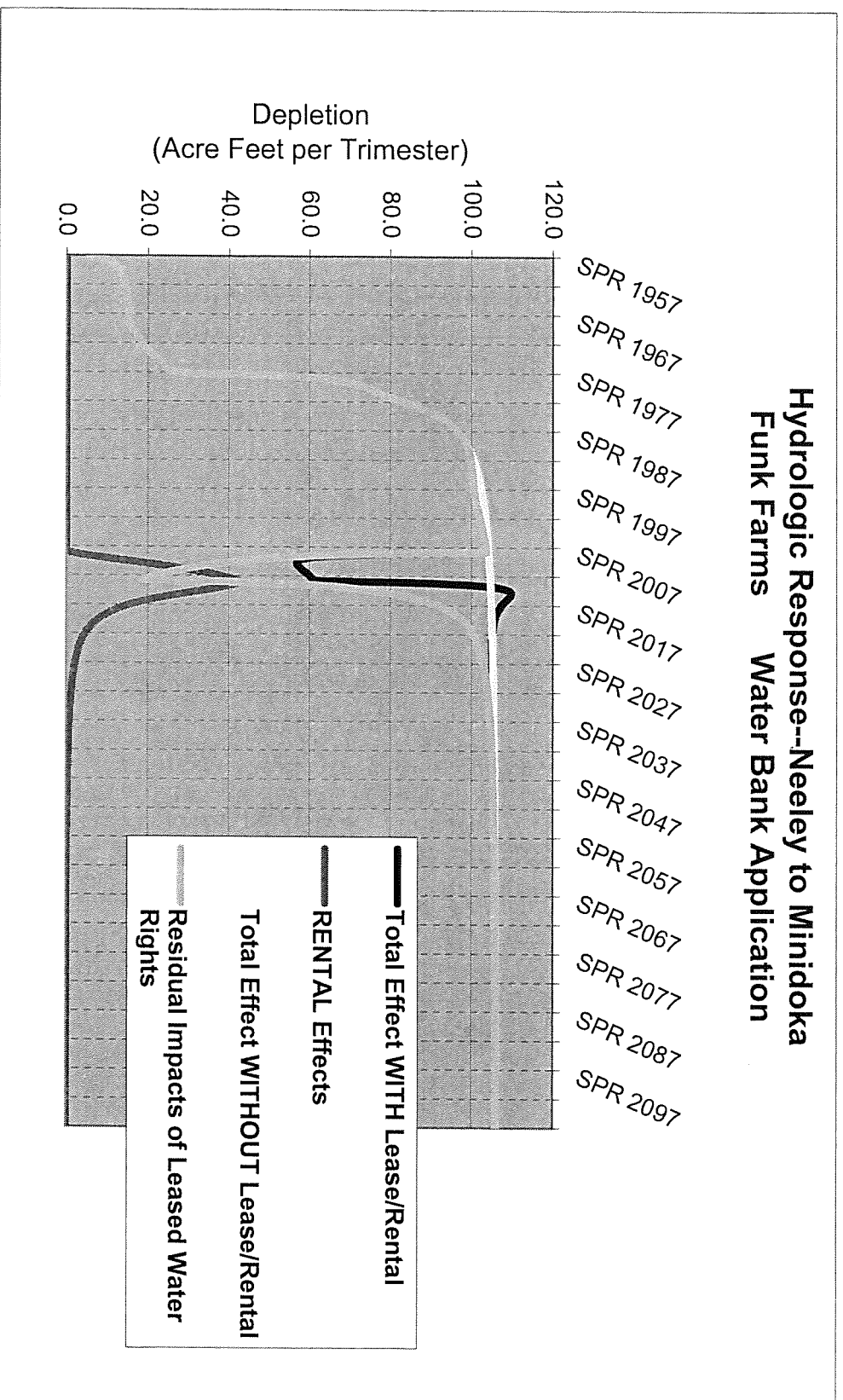
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**Hydrologic Response--Near Blackfoot to Neeley
 Funk Farms Water Bank Application**



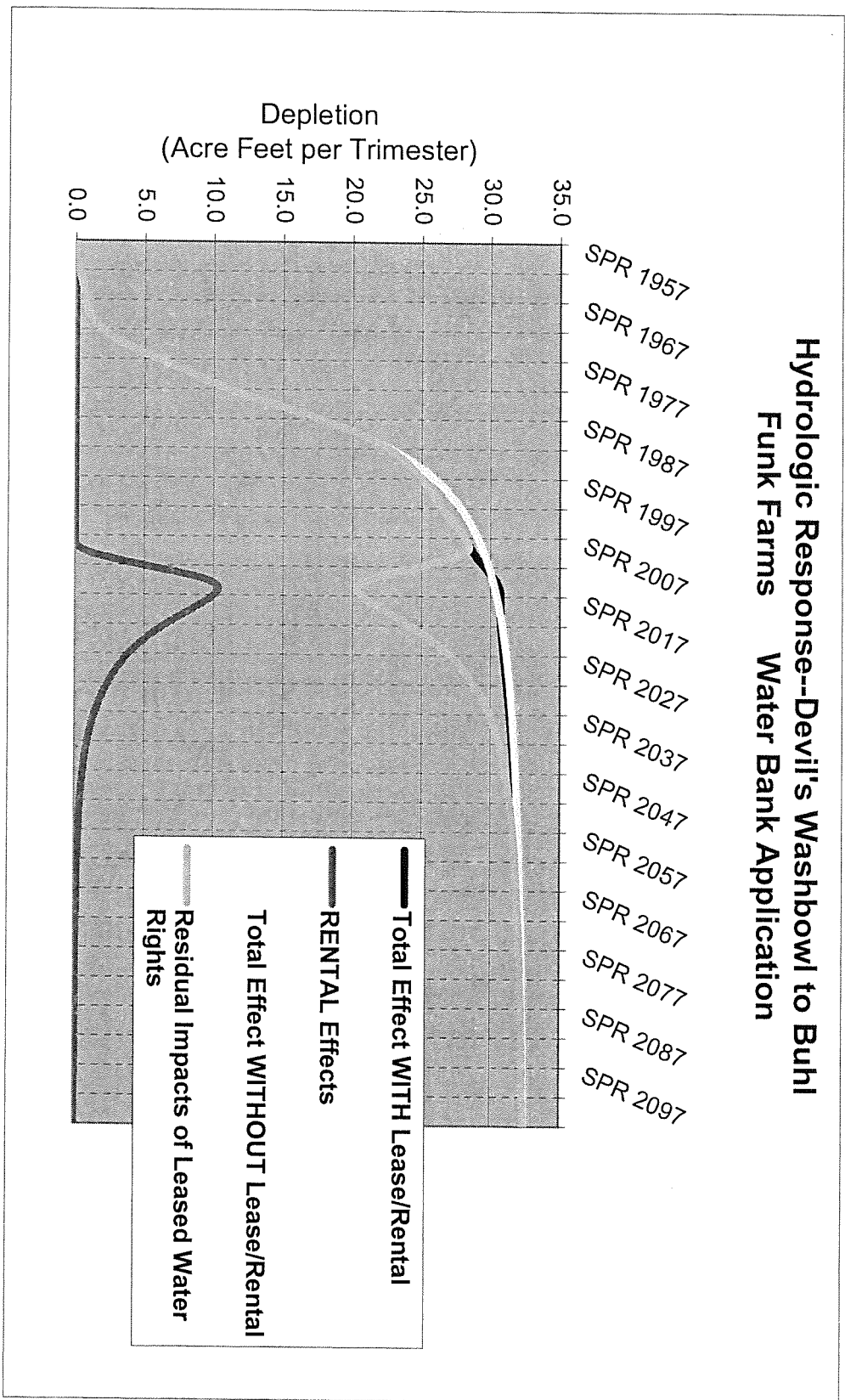
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Hydrologic Response--Neeley to Minidoka
 Funk Farms Water Bank Application



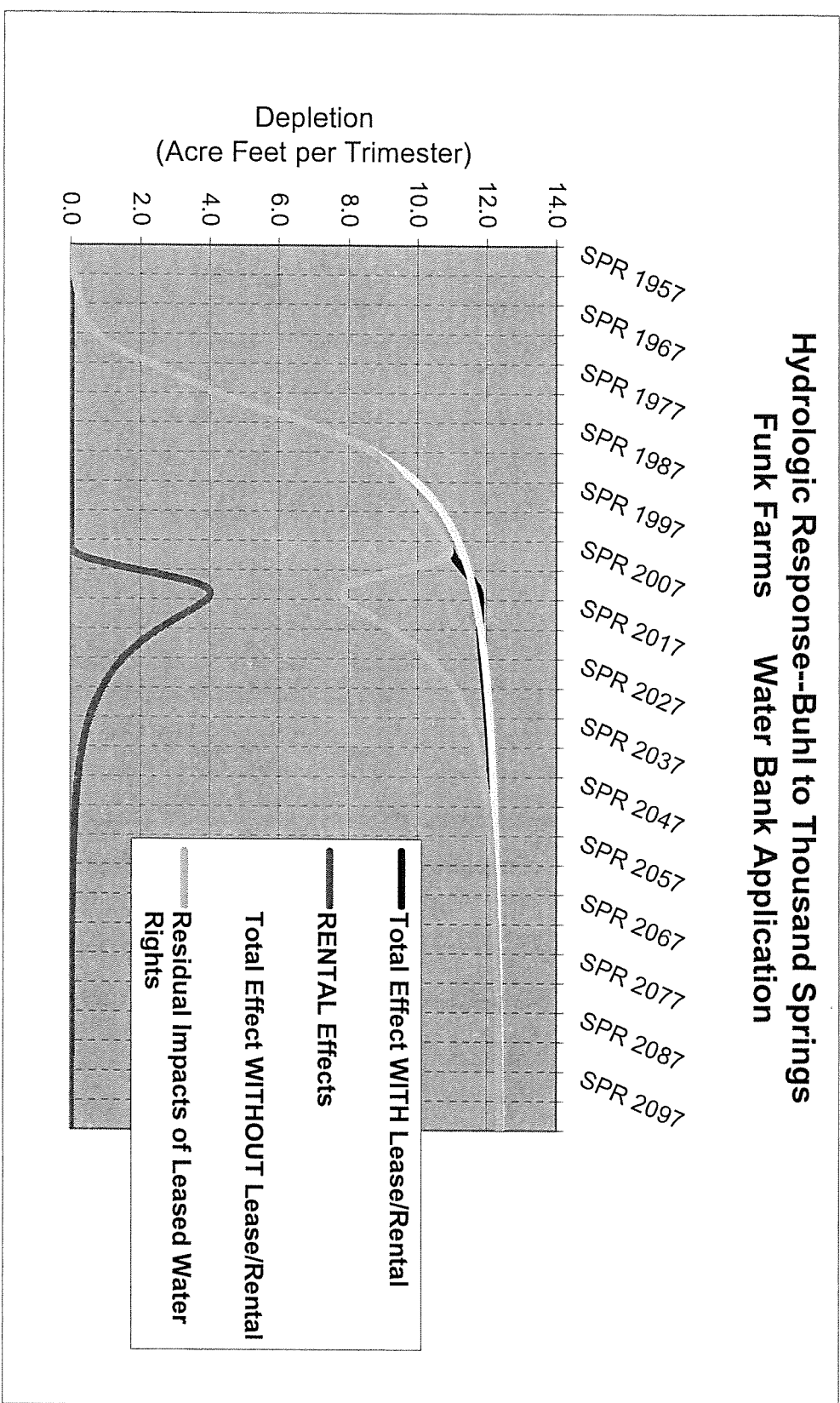
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Hydrologic Response--Devil's Washbowl to Buhl
Funk Farms Water Bank Application



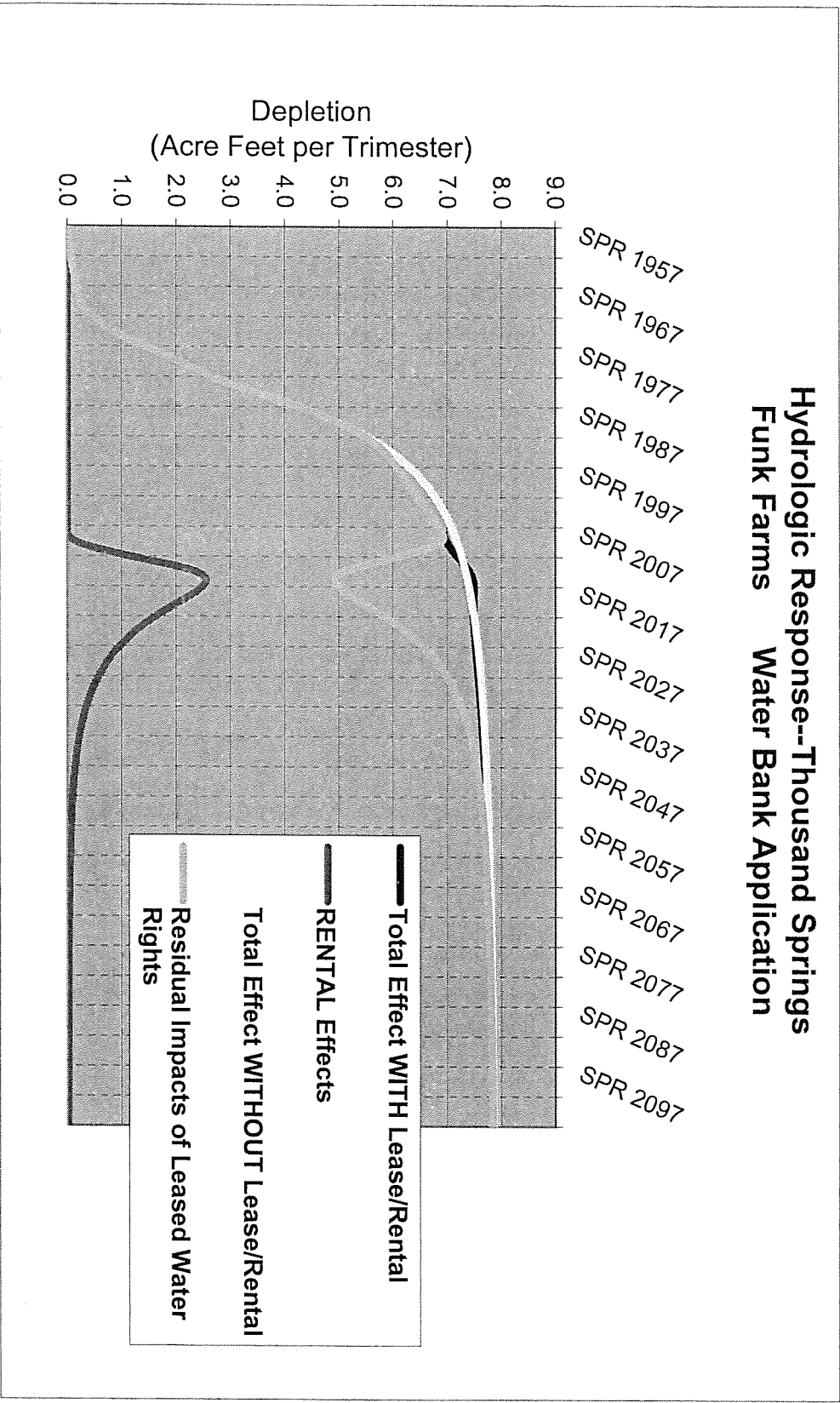
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Hydrologic Response--Buhl to Thousand Springs
Funk Farms Water Bank Application



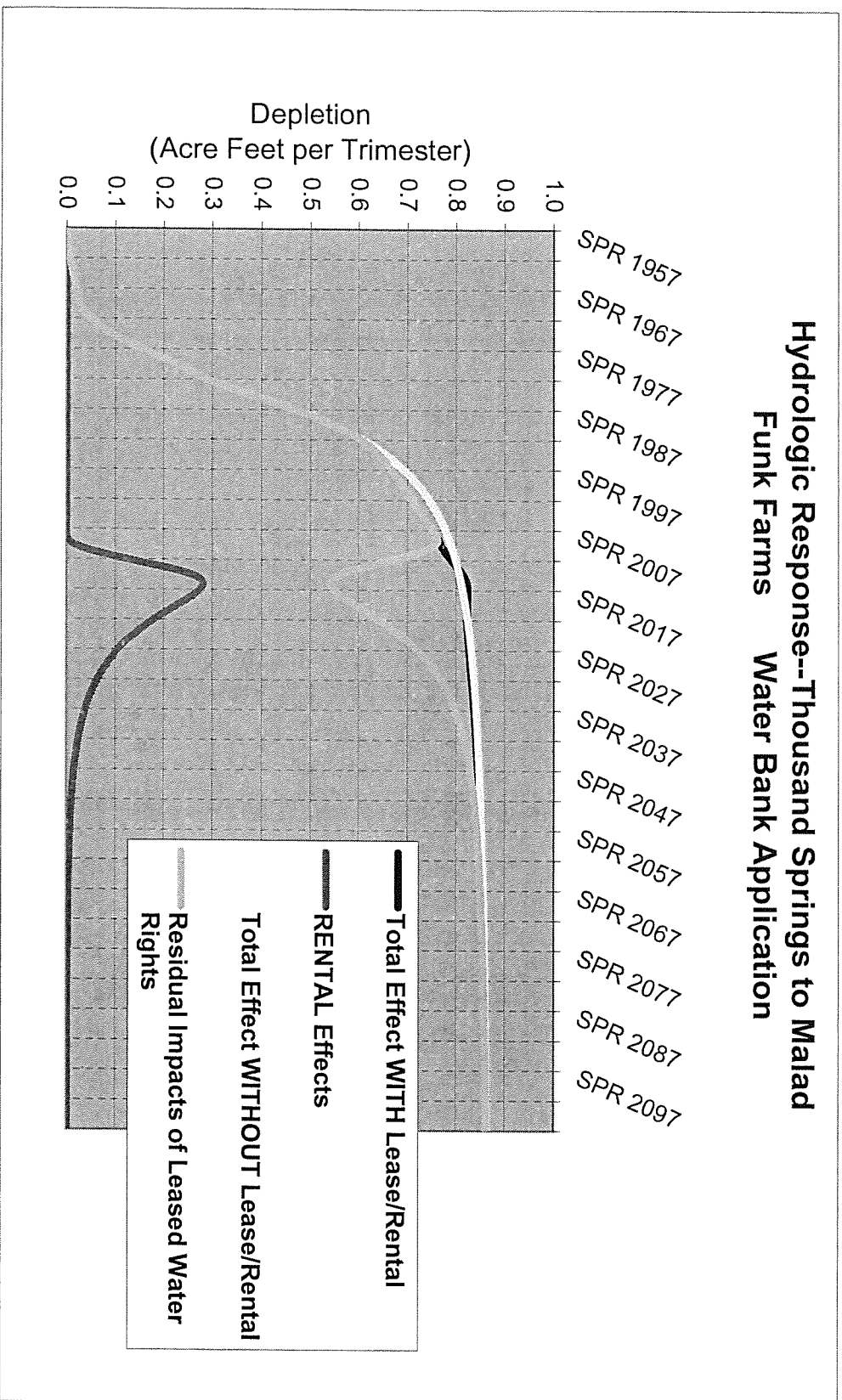
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**Hydrologic Response--Thousand Springs
 Funk Farms Water Bank Application**



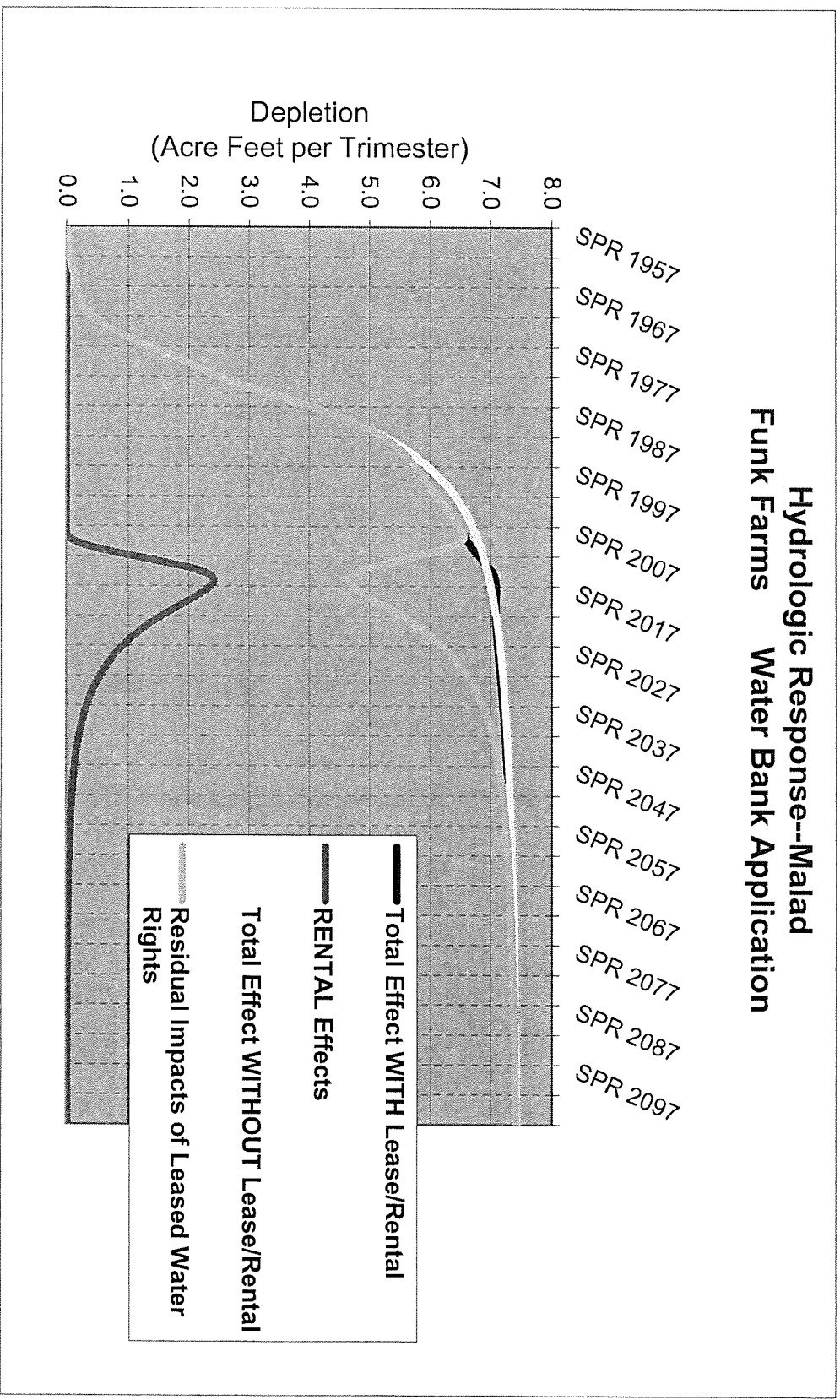
Funk Farms
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 Waterbank Rental Application

Hydrologic Response--Thousand Springs to Malad
Funk Farms Water Bank Application



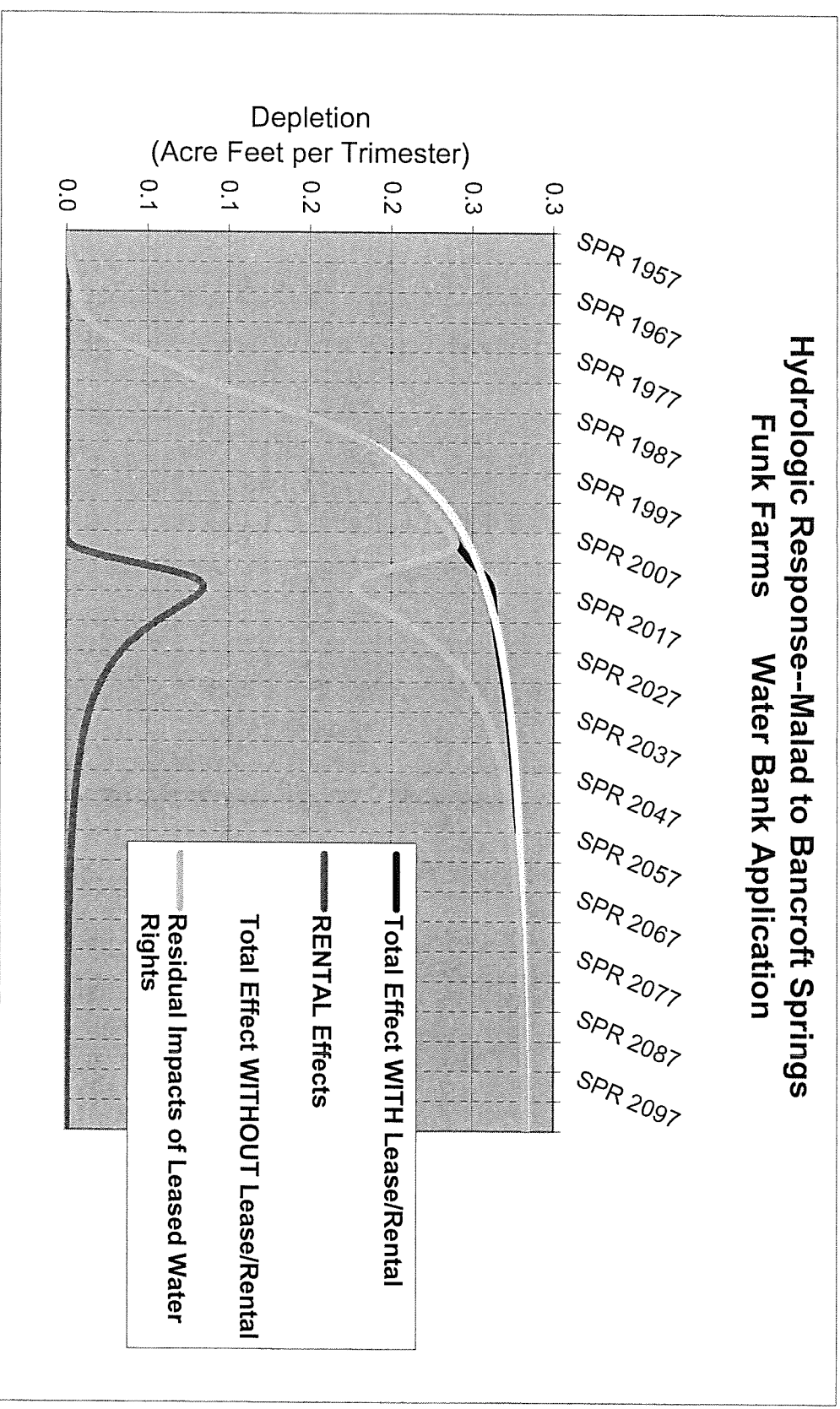
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Hydrologic Response--Malad
 Funk Farms Water Bank Application



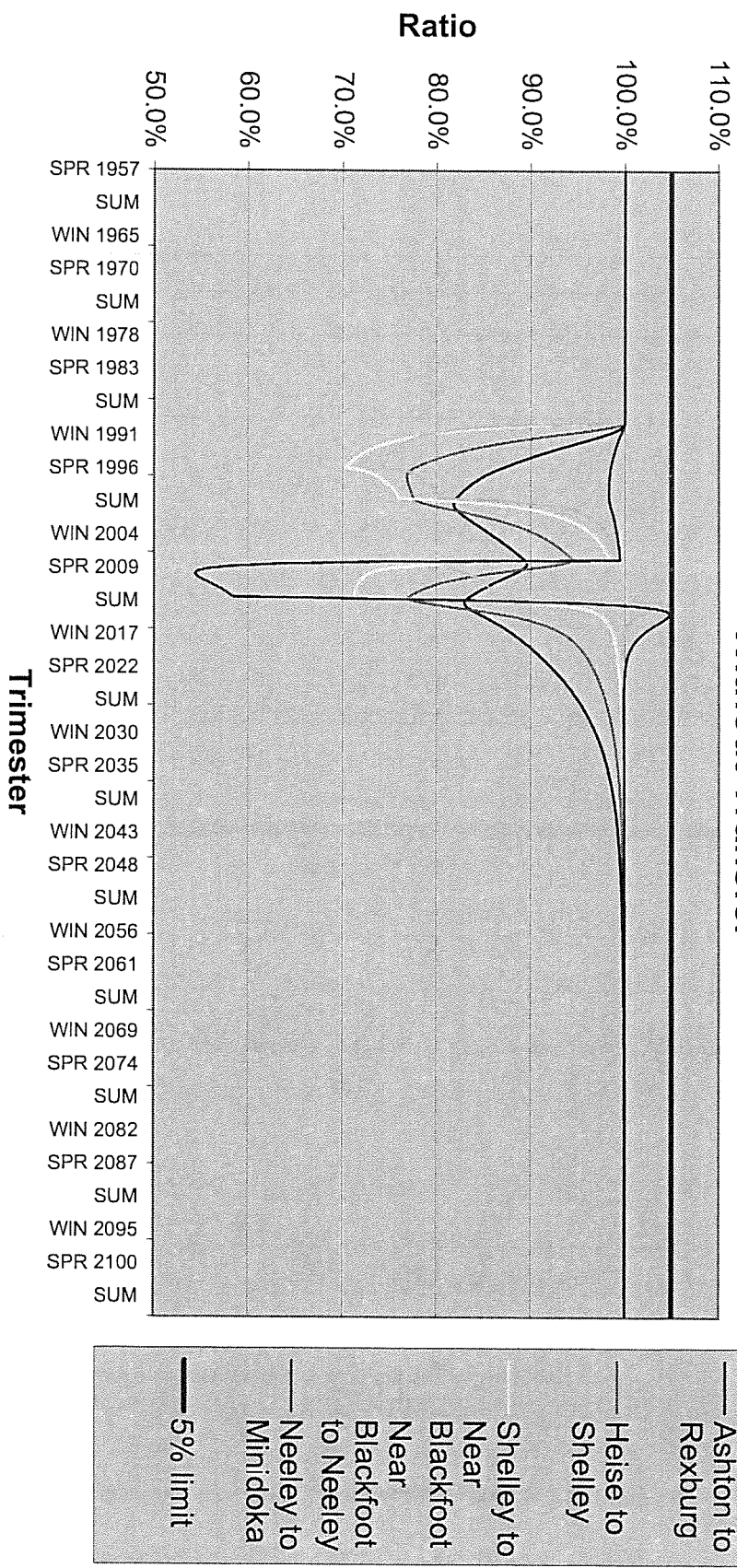
Funk Farms
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 Waterbank Rental Application

Hydrologic Response--Malad to Bancroft Springs
Funk Farms Water Bank Application



Funk Farms
 Calculated ESPA Impacts due to short-term
 Waterbank Rental Application

Change Above Milner as Ratio of Impact With Transfer to Impact
 Without Transfer



Funk Farms
 Calculated ESPA Impacts due to short-term
 Waterbank Rental Application

Change Below Milner as Ratio of Impact With Transfer to Impact
 Without Transfer

