



# **Manitoba's Designated Oil Fields & Pools 2014**

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Manitoba Mineral Resources  
Petroleum Branch**

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## FOREWORD

This annual report was compiled by P. Fulton-Regula, M.Sc., P.Geo. for the Director of the Petroleum Branch in accordance with section 11(4) of The Oil & Gas Act. This order does not include previously designated fields and pools that have been amalgamated or reassigned.

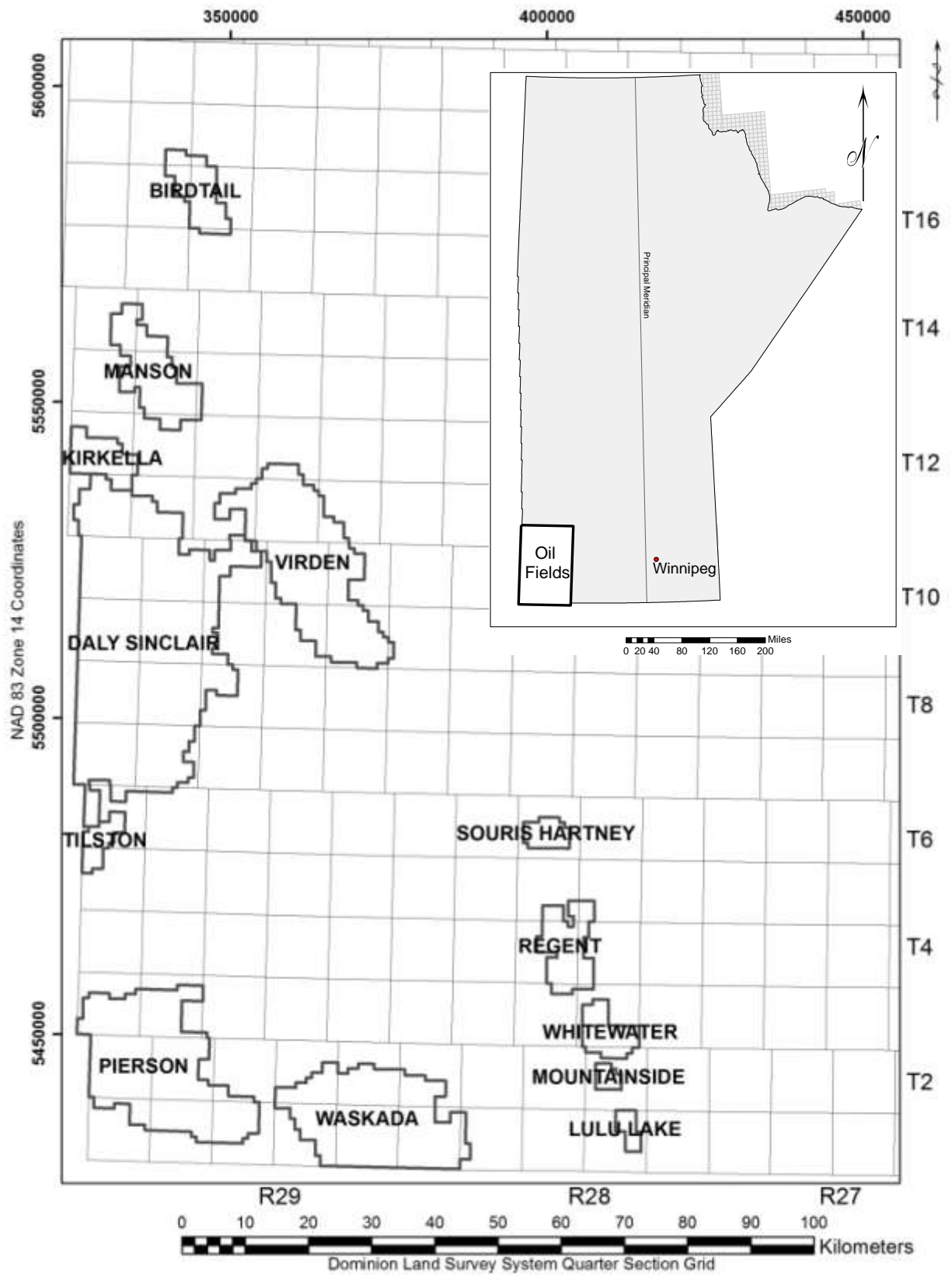
This report details the boundaries of the known oil fields and pools in Manitoba on January 1<sup>st</sup> 2014. It states the names and numerical codes used in the Manitoba Oil and Gas Information System to track the area and stratigraphic interval producing oil. Further information pertaining to the history of field or pool designations may be obtained by contacting the Petroleum Branch.

Please note that there was a change in the formal Manitoba stratigraphic nomenclature in 2013. The Three Forks has been moved from the formation to the group level and the Torquay is now the term used to describe the formation directly beneath the Bakken formation in Manitoba. This change is described by Nicolas, 2011 (Nicolas, M.P.B. 2011: Stratigraphy and regional geology of the Late Devonian–Early Mississippian Three Forks Group, southwestern Manitoba (NTS 62F, parts of 62G, K); Manitoba Innovation, Energy and Mines, Manitoba Geological Survey, Geoscientific Report GR2012-3, 92 p.).

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**Figure 1 - Oil Field Location Map**

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## MANITOBA'S DESIGNATED FIELDS

Effective **January 1, 2014**, the following Fields are designated under clause 11(4)(b) of The Oil and Gas Act.

The area encompassed by each Field is outlined on the reference plats, Figure 2 to Figure 11. All Fields and Pools are drawn on the Dominion Land Survey System Grid, please see Appendix A for a description of this system.

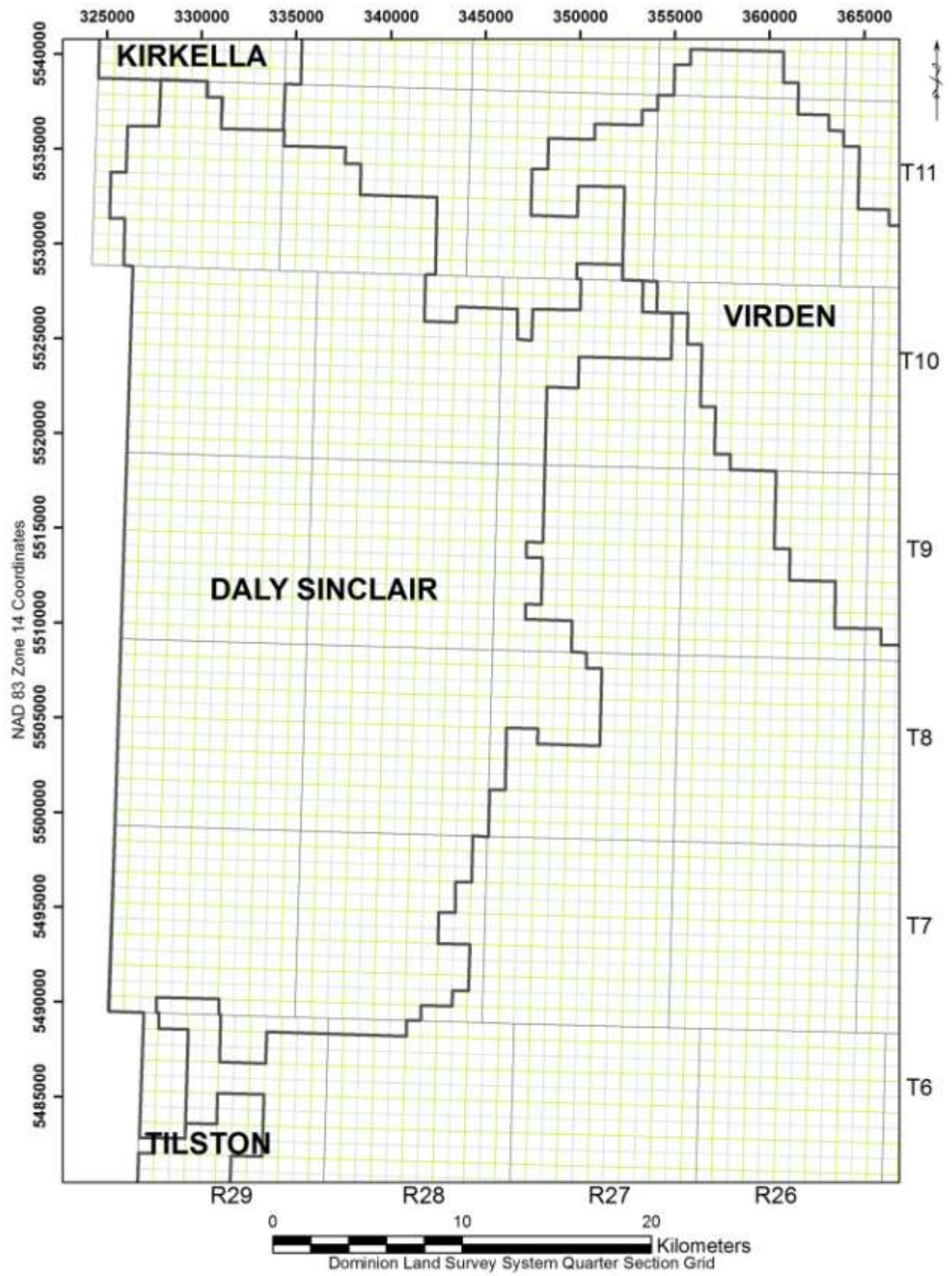


Keith Lowdon, Director

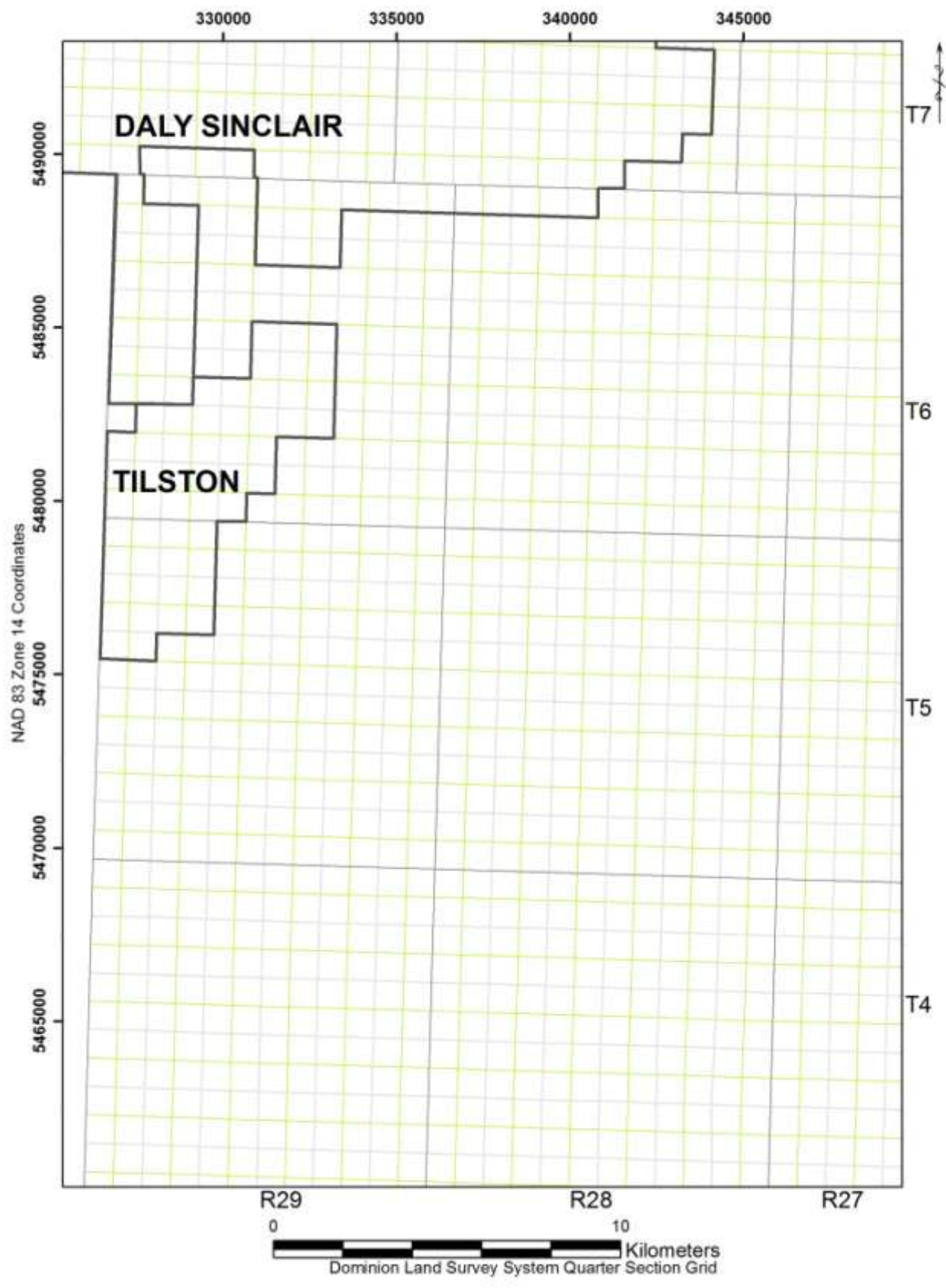
<b>FIELD</b>	<b>CODE</b>	<b>PLAT</b>
Daly Sinclair Field	01	p. 9
Tilston Field	02	p. 10
Waskada Field	03	p. 11
Lulu Lake Field	04	p. 12
Viriden Field	05	p. 13
Whitewater Field	06	p. 12
Pierson Field	07	p. 14
Kirkella Field	09	p. 15
Souris Hartney Field	10	p. 16
Regent Field	13	p. 16
Mountainside Field	14	p. 12
Birdtail Field	15	p. 17
Manson Field	17	p. 18

## **MANITOBA'S DESIGNATED FIELD PLATS**

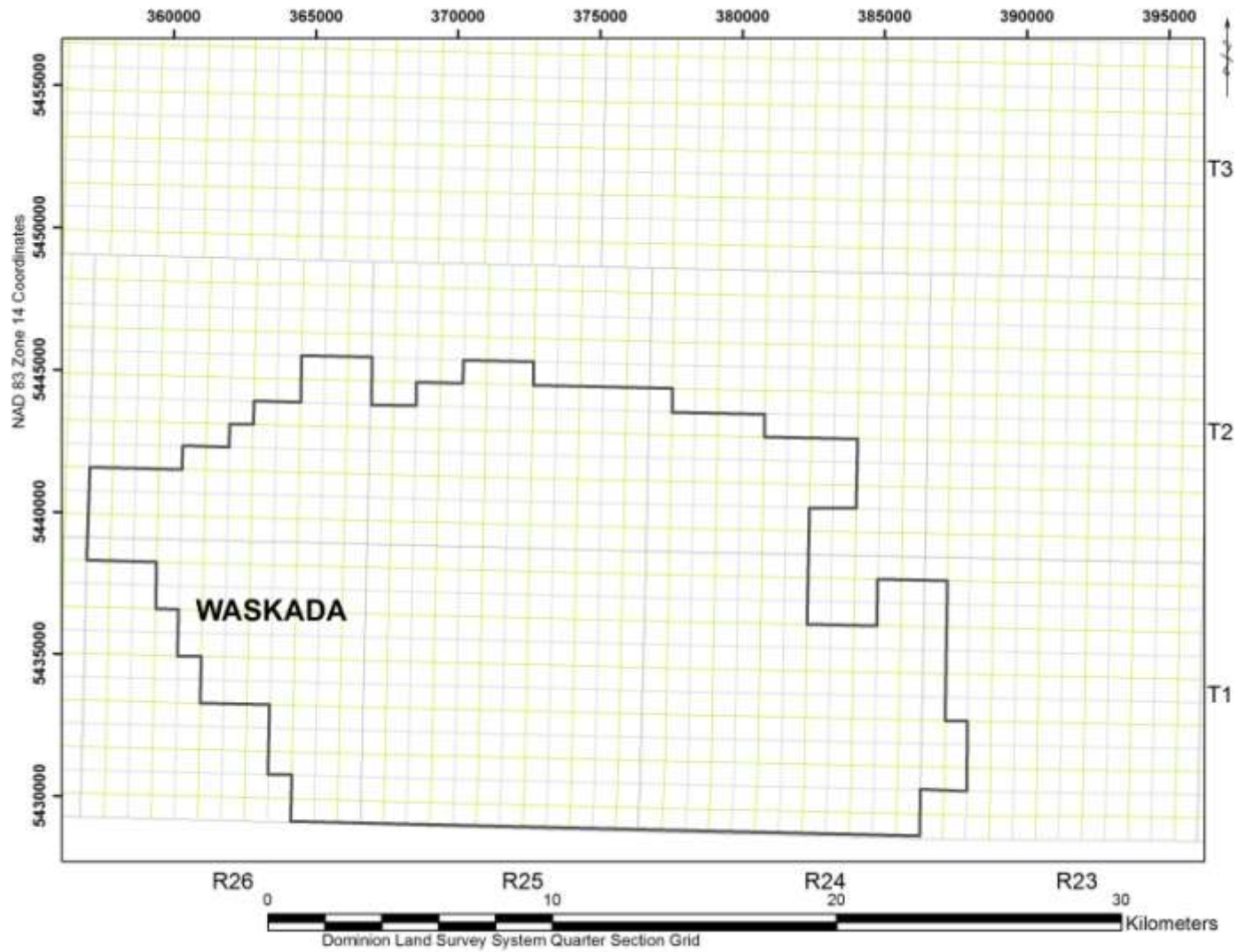




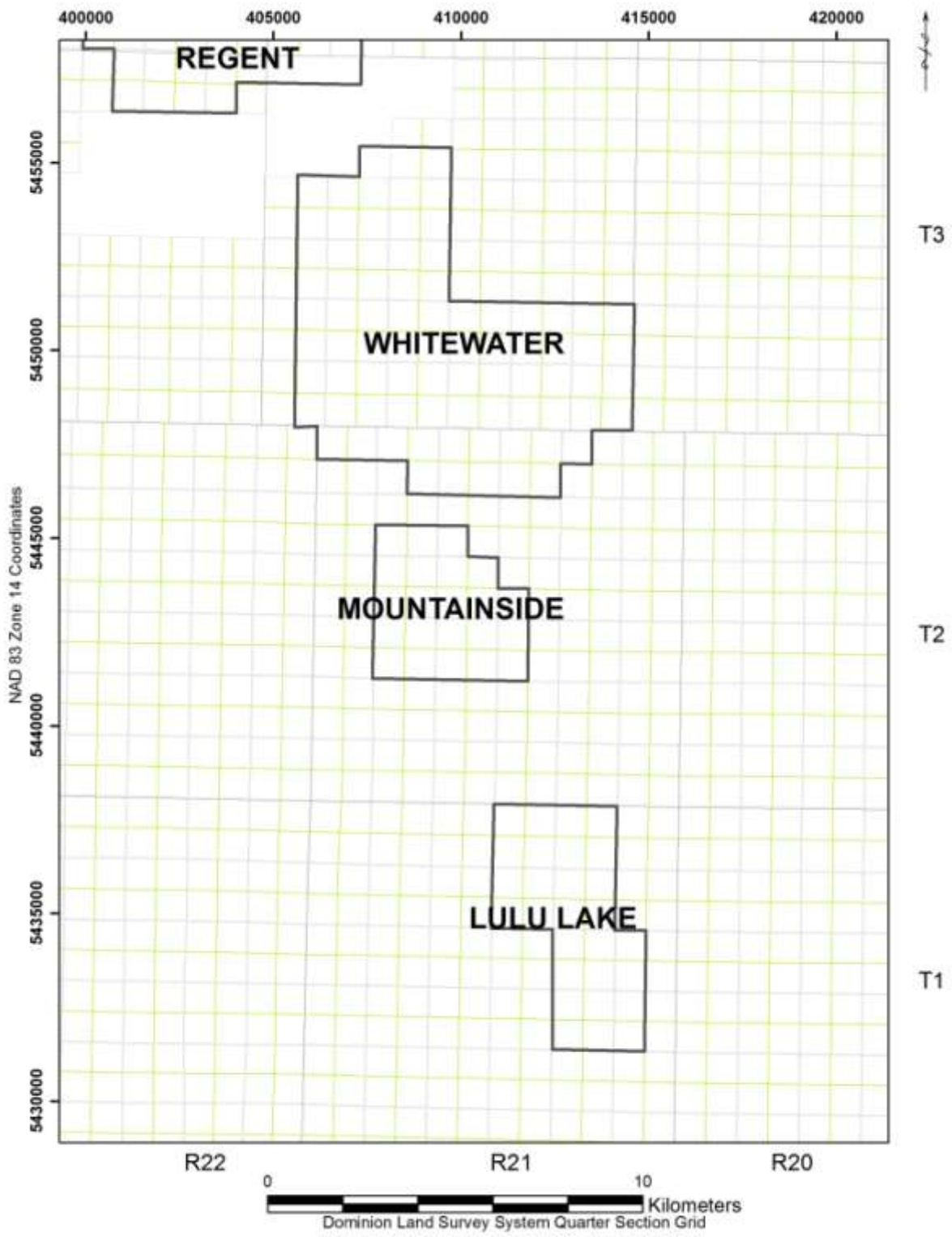
**Figure 2 - Daly Sinclair (01)**



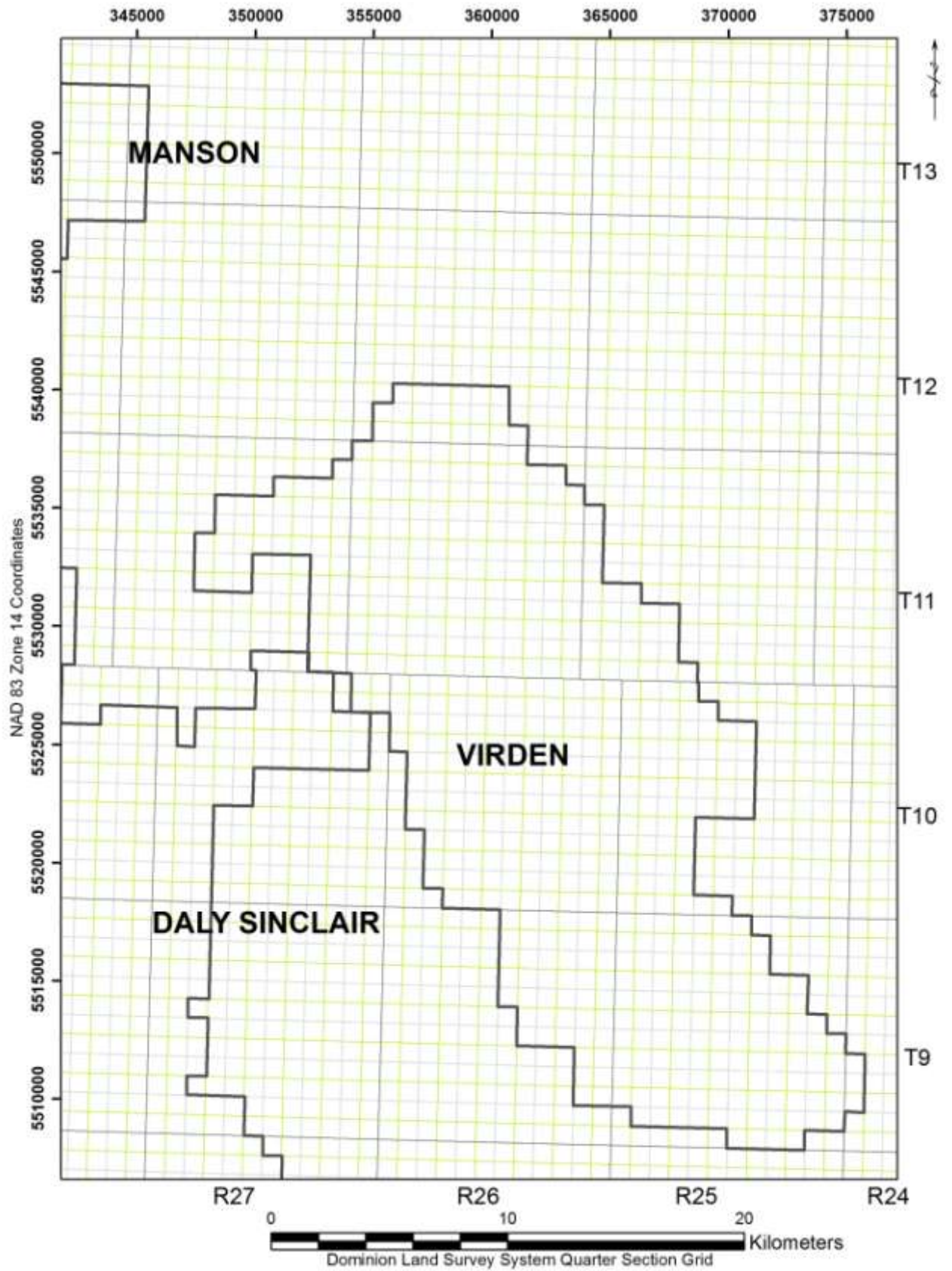
**Figure 3 - Tilston Field (02)**



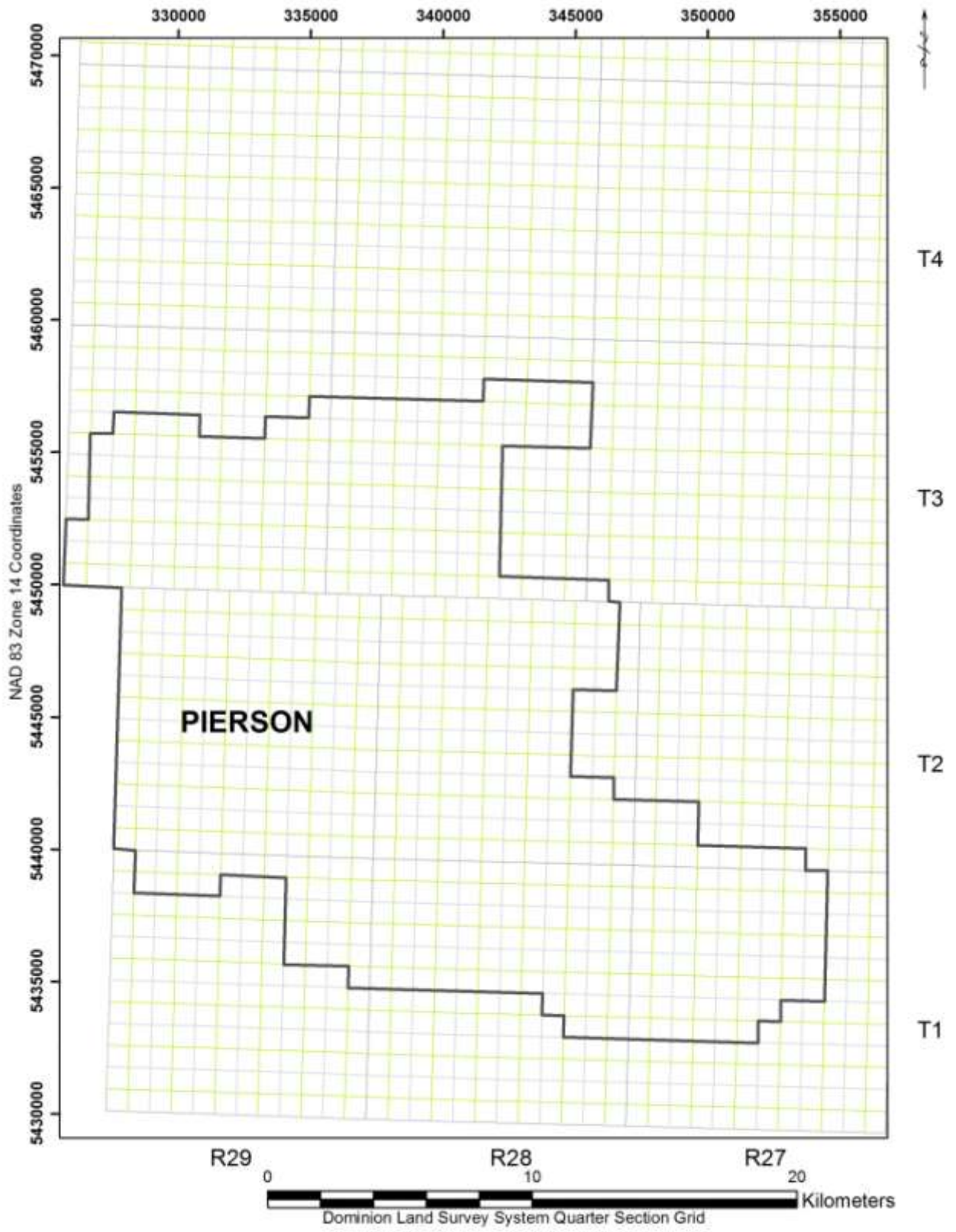
**Figure 4 - Waskada Field (03)**



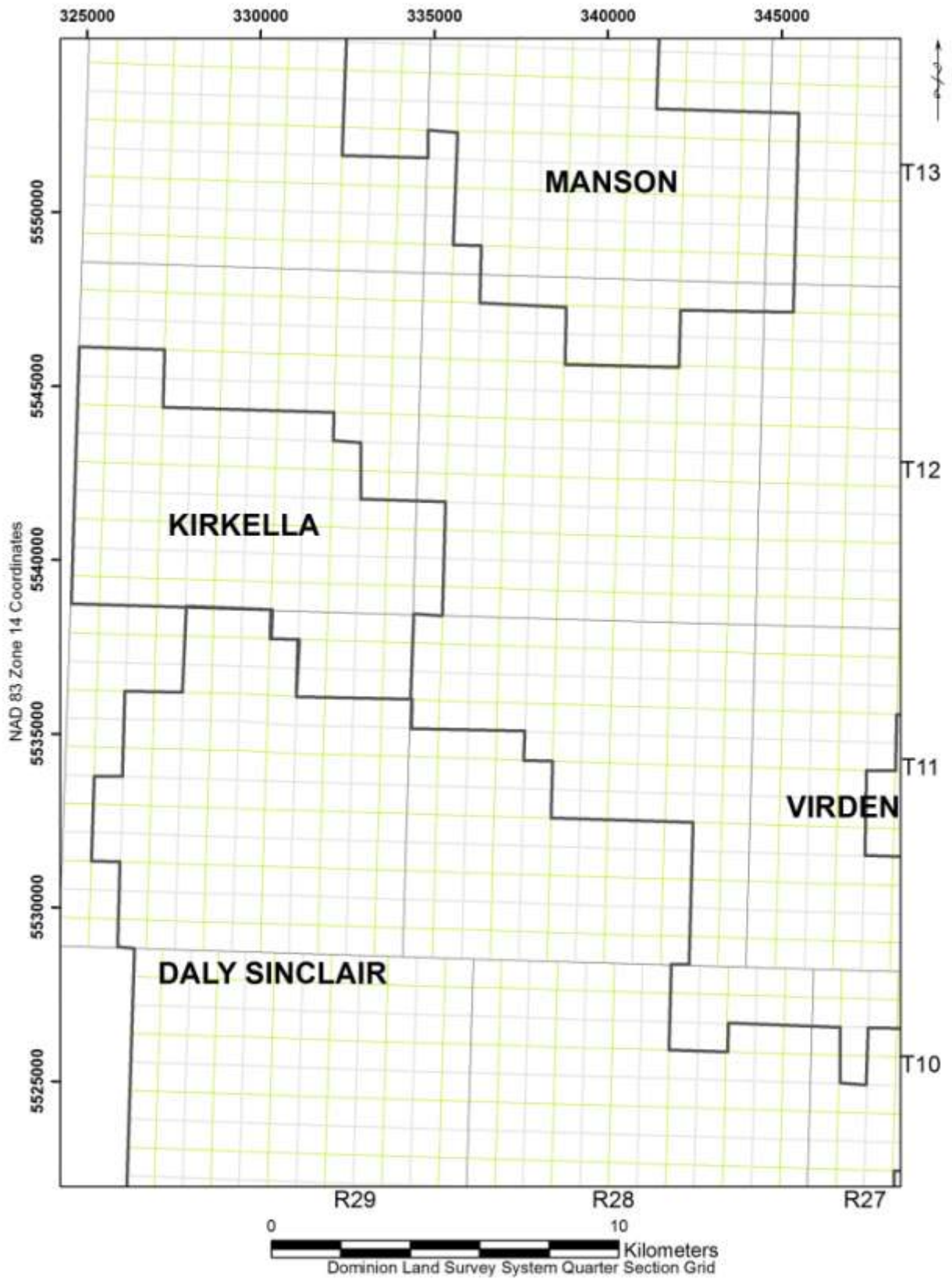
**Figure 5 - Lulu Lake (04), Whitewater (06) and Mountainside (14) Fields.**



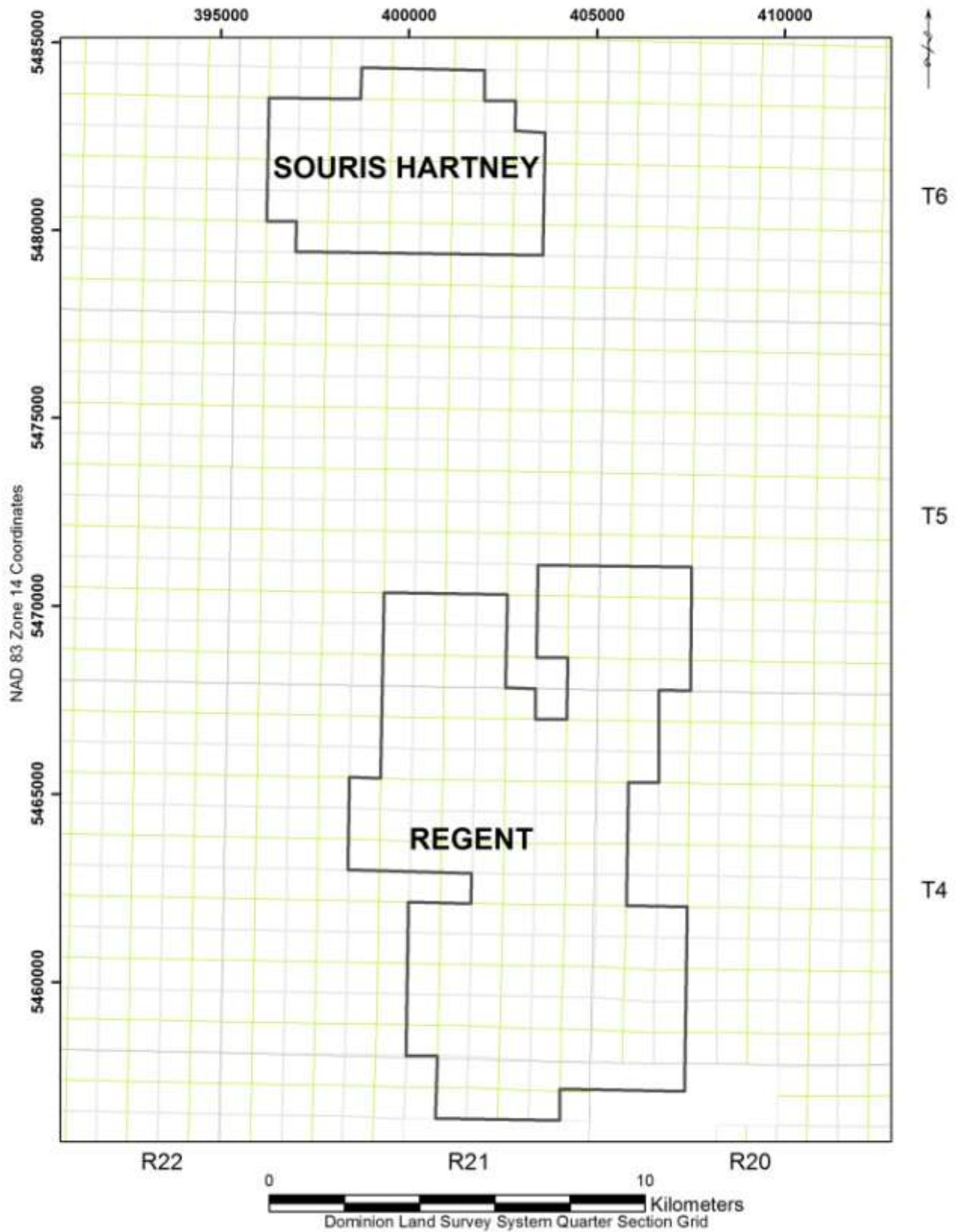
**Figure 6 - Virден Field (05)**



**Figure 7 - Pierson Field (07)**

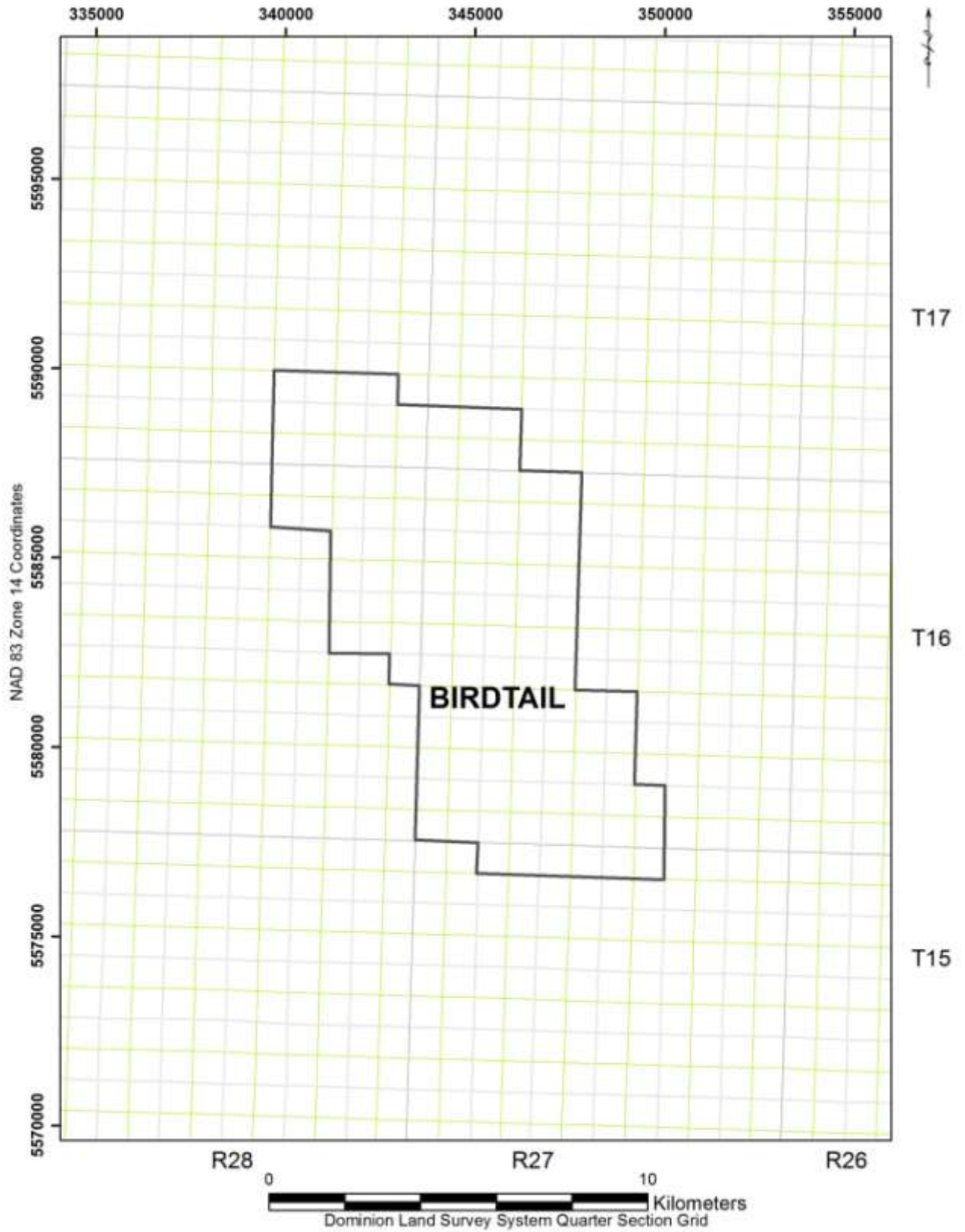


**Figure 8 - Kirkella Field (09)**

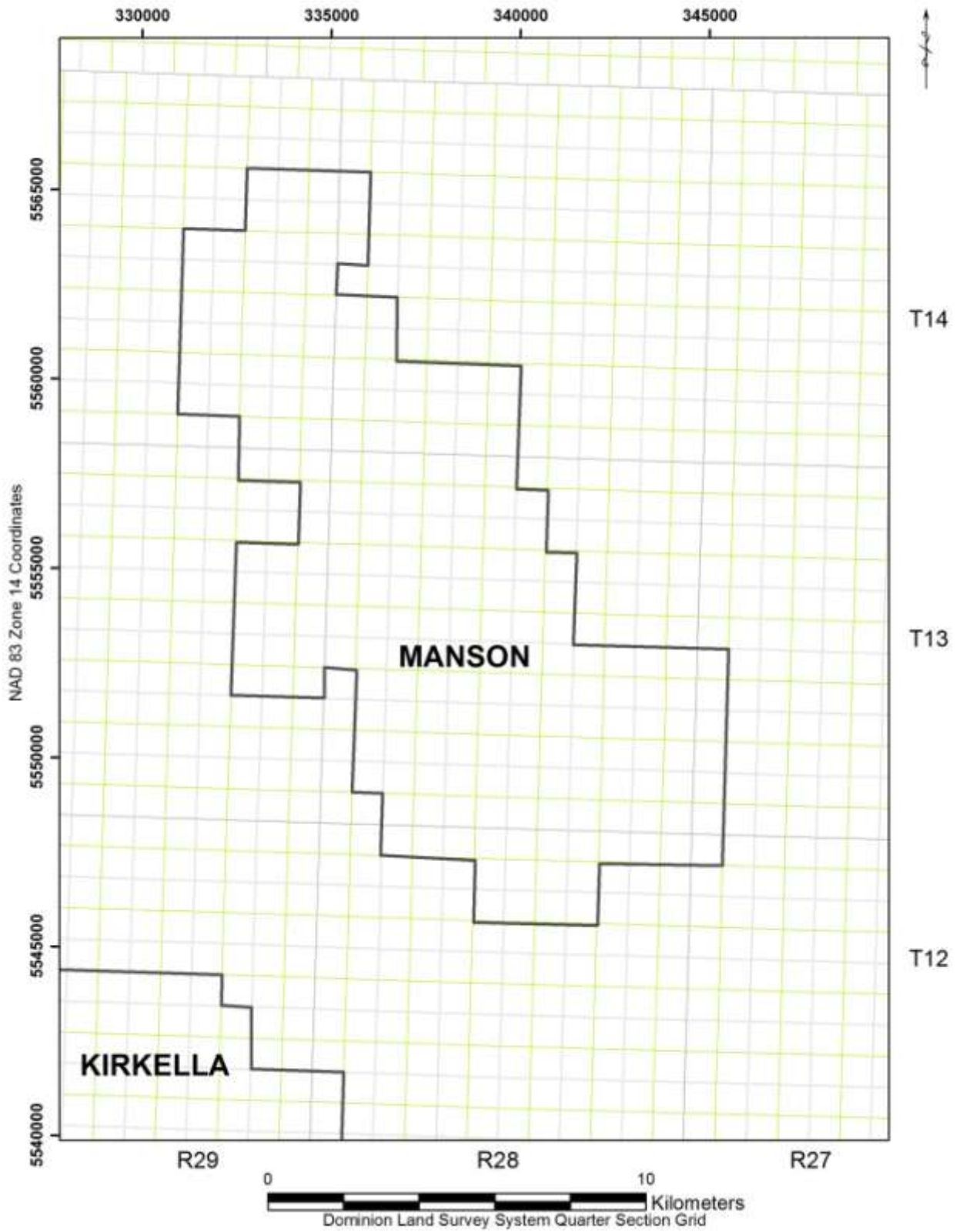


**Figure 9 - Souris Hartney (10) and Regent Fields (13)**





**Figure 10 - Birdtail Field (15)**



**Figure 11 - Manson Field (17)**

## MANITOBA'S DESIGNATED POOLS

Effective **January 1, 2014** the following Pools are designated under clause 11(4)(a) of the Oil and Gas Act.

The area encompassed by each pool and stratigraphic interval is described herein, or outlined on the reference plats, Figures 12 to 45. The complete table of Manitoba pool codes can be found in Appendix B.

A handwritten signature in black ink, appearing to read "Keith Lowdon". The signature is written in a cursive, flowing style.

Keith Lowdon, Director

**MANITOBA'S DESIGNATED POOLS**

POOL	CODE	PLAT (Page #)	REFERENCE WELL	
			UWI	TVD INTERVAL (meters KB)
<b>DALY SINCLAIR FIELD</b>				
Lodgepole A	01 59A	28	100/14-04-010-28W1/00	725.4-821.4
Lodgepole B	01 59B	28	100/13-14-009-28W1/00	736.4-832.7
Lodgepole C	01 59C	28	100/03-33-008-27W1/00	736.7-837.0
Lodgepole D	01 59D	28	100/07-26-009-29W1/00	783.3-883.3
Lodgepole I	01 59I	28	100/05-07-010-29W1/00	822.0-865.0
Lodgepole K	01 59K	28	100/08-30-010-29W1/00	788.0-877.5
Lodgepole P	01 59P	28	100/03-27-010-29W1/00	769.0-853.2
Lodgepole T	01 59T	28	100/08-17-010-29W1/00	808.0-813.0
Lodgepole W	01 59W	28	100/10-18-007-29W1/00	927.5-932.5
Lodgepole X	01 59X	28	100/02-21-007-28W1/00	
Lodgepole Y	01 59Y	28	100/03-03-009-29W1/00	822.5-825.5
Lodgepole Z	01 59Z	28	100/16-35-008-29W1/00	812.0-880.0
Lodgepole AA	01 59AA	28	100/06-15-008-28W1/00	778.0-888.0
Lodgepole DD	01 59DD	28	100/06-33-008-28W1/00	769.0-872.0
Lodgepole EE	01 59EE	28	100/15-05-008-28W1/00	826.5-832.5
Lodgepole FF	01 59FF	28	100/12-11-011-29W1/00	730.5-733.5; 748.5-751
Lodgepole GG	01 59GG	28	100/06-16-011-29W1/00	744-783.3
Lodgepole HH	01 59HH	28	100/05-10-011-29W1/00	826.6-827.7
Lodgepole II	01 59II	28	100/11-27-011-29W1/00	836.5-838; 839-840
Lodgepole JJ	01 59JJ	28	102/12-34-011-29W1/00	730-748.2
Lodgepole KK	01 59KK	28	102/12-22-008-29W1/00	834.83
Lodgepole MM	01 59MM	28	102/01-14-008-29W1/00	846.93
Lodgepole NN	01 59NN	28	102/03-03-008-28W1/00	814.77-819.73
Lodgepole OO	01 59OO	28	102/09-29-008-29W1/00	871.02-877.05
Bakken G	01 60G	29	100/13-06-009-27W1/00	828.0-832.0
Bakken J	01 60J	29	100/07-18-010-27W1/02	780.3-784.6
Bakken L	01 60L	29	100/16-10-010-28W1/02	809.5-813.0
Bakken P	01 60P	29	100/12-28-009-28W1/02	842.7-845.7
Bakken-Three Forks A	01 62A	29	100/01-22-010-29W1/00	859.5-866.0
Bakken-Three Forks B	01 62B	29	100/04-21-009-29W1/02	917.0-927.0
Bakken-Three Forks N	01 62N	29	103/04-24-010-28W1/02	814.0-917.0
Bakken-Three Forks Q	01 62Q	29	100/08-30-009-27W1/00	834.0-873.0
Bakken-Three Forks R	01 62R	29	100/16-31-009-27W1/02	832.5-834.5
Bakken-Three Forks S	01 62S	29	100/10-18-007-29W1/00	1061.5-1063
Bakken-Three Forks T	01 62T	29	100/11-07-007-29W1/00	1066-1072.4
Bakken-Three Forks X	01 62X	29	100/03-34-006-29W1/00	1029-1041
Bakken-Three Forks Z	01 62Z	29	100/07-16-011-29W1/00	753-757.5; 842-846
Bakken-Three Forks CC	01 62CC	29	100/12-24-011-29W1/00	837-840; 842-846
Bakken-Three Forks DD	01 62DD	29	100/12-34-010-27W1/00	765-774.34

POOL	CODE	PLAT (Page #)	REFERENCE WELL	
			UWI	TVD INTERVAL (meters KB)
Bakken-Three Forks GG	01 62GG	29	102/02-30-006-29W1/00	1096.18-1106.81
Bakken-Three Forks HH	01 62HH	29	102/01-26-010-27W1/00	770.22-782.03
Bakken-Three Forks II	01 62II	29	100/16-18-006-29W1/00	1099-1105.95
Three Forks B	01 65B	30	100/09-30-007-28W1/00	969.0-971.0
<b>TILSTON FIELD</b>				
Mission Canyon 1 A	02 44A	31	100/06-31-005-29W1/00	940.0-969.0
Mission Canyon 1 C	02 44C	31	100/02-08-006-29W1/00	925.0-940.0
Mission Canyon 1 D	02 44D	31	100/11-15-006-29W1/00	907.0-910.5
Bakken-Three Forks A	02 62A	32	100/13-29-005-29W1/00	1118.7-1120.7
<b>WASKADA FIELD</b>				
Favel A	03 10A	33	100/01-03-002-25W1/02	479.5-841.0
Favel B	03 10B	33	100/03-27-001-25W1/02	478.0-479.5
Favel C	03 10C	33	100/10-17-001-24W1/00	481.5-484.5
Lower Amaranth A	03 29A	34	100/11-30-001-25W1/03	884.5-920.5
Lower Amaranth I	03 29I	34	100/03-01-001-25W1/00	873.7-910.0
Lower Amaranth J	03 29J	34	100/01-03-001-25W1/00	885.0-920.5
Lower Amaranth K	03 29K	34	100/03-24-001-25W1/02	866.0-898.0
Lower Amaranth O	03 29O	34	100/13-10-002-24W1/00	869.5-879.5
Mission Canyon 3b A	03 42A	35	100/11-30-001-25W1/03	920.5-929.6
Mission Canyon 3b B	03 42B	35	100/13-27-001-26W1/00	920.0-936.5
Mission Canyon 3b C	03 42C	35	100/05-07-001-25W1/00	931.5-941.0
Mission Canyon 3b E	03 42E	35	100/04-08-001-25W1/00	936.0-948.0
Mission Canyon 3b F	03 42F	35	100/11-22-001-26W1/02	929.5-948.0
Mission Canyon 3b G	03 42G	35	100/11-05-002-26W1/00	929.0-955.5
Mission Canyon 3a A	03 43A	36	100/01-25-001-26W1/00	928.0-950.0
Mission Canyon 3a B	03 43B	36	100/12-23-001-25W1/00	904.6-912.6
Mission Canyon 3a C	03 43C	36	100/12-26-001-26W1/00	924.0-940.0
Mission Canyon 3a D	03 43D	36	100/10-30-001-25W1/00	921.0-931.0
Mission Canyon 3a E	03 43E	36	100/02-12-001-26W1/02	930.0-944.0
Mission Canyon 3a F	03 43F	36	100/15-05-001-25W1/00	931.0-941.0
Mission Canyon 3a G	03 43G	36	100/12-31-001-25W1/00	912.5-929.0
Mission Canyon 3a H	03 43H	36	100/06-18-002-251W1/00	899.0-907.0
Mission Canyon 3a I	03 43I	36	100/07-35-001-26W1/00	917.0-935.0
Mission Canyon 3a K	03 43K	36	100/06-19-001-25W1/00	924.0-934.0
Mission Canyon 3a L	03 43L	36	100/08-32-001-25W1/00	909.5-917.0
Mission Canyon 3a M	03 43M	36	100/10-10-001-25W1/00	915.0-925.0

POOL	CODE	PLAT (Page #)	REFERENCE WELL	
			UWI	TVD INTERVAL (meters KB)
Mission Canyon 3a N	03 43N	36	100/02-20-001-25W1/00	919.5-930.0
Mission Canyon 3a O	03 43O	36	100/10-04-001-25W1/00	931.5-933
Mission Canyon 1 A	03 44A	37	100/01-30-001-25W1/00	917.4-947.9
Mission Canyon 1 B	03 44B	37	100/09-13-001-26W1/00	920.5-967.4
Mission Canyon 1 C	03 44C	37	100/02-22-001-25W1/00	908.3-943.0
Mission Canyon 1 D	03 44D	37	100/04-09-002-25W1/00	986.0-912.0
Mission Canyon 1 E	03 44E	37	100/06-33-001-25W1/00	905.5-942.0
Mission Canyon 1 F	03 44F	37	100/02-27-001-25W1/00	902.5-930.0
Mission Canyon 1 G	03 44G	37	100/04-05-001-24W1/00	910.0-937.0
Mission Canyon 1 H	03 44H	37	100/03-24-001-25W1/00	898.0-910.0
Mission Canyon 1 I	03 44I	37	100/02-14-002-25W1/00	882.0-915.0
Mission Canyon 1 I	03 44J	37	100/04-24-002-26W1/00	898.0-900.0
Mission Canyon 1 K	03 44K	37	100/02-33-001-24W1/00	871.7-900.0
Mission Canyon 1 L	03 44L	37	100/04-12-001-24W1/00	941.5-946.0
Mission Canyon 1 M	03 44M	37	100/09-25-001-24W1/00	939.5-941.5
Mission Canyon 1 N	03 44N	37	100/06-07-001-24W1/00	897.5-898.5
Mission Canyon 1 O	03 44O	37	100/13-09-002-24W1/00	865.0-873.0
Mission Canyon 1 P	03 44P	37	100/15-10-002-24W1/00	888.8-893.8
Mission Canyon 1Q	03 44Q	37	100/07-06-002-24W1/00	876.5-878.5
<b>LULU LAKE FIELD</b>				
Lodgepole WL A	04 52A	39	100/08-23-001-21W1/00	1008.5-1027.0
Lodgepole WL B	04 52B	39	100/15-27-001-21W1/00	1005.5-1024.0
<b>VIRDEN FIELD</b>				
Lodgepole A	05 59A	41	102/06-27-011-26W1/00	563.9-667.0
Lodgepole B	05 59B	41	100/06-28-010-26W1/00	623.0-726.0
Lodgepole C	05 59C	41	100/10-21-009-25W1/00	595.0-648.0
Lodgepole D	05 59D	41	100/07-11-009-25W1/00	598.9-655.3
Lodgepole E	05 59E	41	100/07-26-009-26W1/00	634.0-732.1
Lodgepole G	05 59G	41	100/10-01-011-27W1/00	647.0-710.0
Lodgepole K	05 59K	41	100/15-16-011-27W1/00	895.2
<b>WHITEWATER FIELD</b>				
Lower Amaranth A	06 29A	38	100/04-21-003-21W1/02	745.0-757.7
Lodgepole WL A	06 52A	39	100/16-17-003-21W1/00	759.6-786.1
Lodgepole WL B	06 52B	39	100/16-02-003-21W1/00	790.5-812.5
Lodgepole Virden A	06 53A	40	100/05-12-003-21W1/00	787.0-804.5

POOL	CODE	PLAT (Page #)	REFERENCE WELL	
			UWI	TVD INTERVAL (meters KB)
<b>PIERSON FIELD</b>				
Lower Amaranth A	07 29A	42	100/04-26-003-28W1/00	915.7-949.5
Lower Amaranth B	07 29B	42	100/12-30-002-28W1/02	955.0-992.0
Lower Amaranth L	07 29L	42	100/02-26-001-29W1/00	1000.0-1038.0
Lower Amaranth S	07 29S	42	100/02-31-002-29W1/00	
Lower Amaranth T	07 29T	42	100/15-32-001-29W1/02	
Lower Amaranth U	07 29U	42	100/11-35-002-28W1/00	962.18-964.3
Lower Amaranth V	07 29V	42	100/11-35-002-28W1/00	952.94
Lower Amaranth W	07 29W	42	100/06-07-002-29W1/00	1029.5-1032.5
Lower Amaranth – Mission Canyon 3b A	07 35A	43	100/14-17-002-29W1/02	1023.5-1028.5; 1036.5-1038.8
Lower Amaranth – Mission Canyon 3b B	07 35B	43	100/01-35-002-28W1/00	959.0-963.0; 950.5-956.5
Lower Amaranth – Mission Canyon 3b C	07 35C	43	100/11-34-002-28W1/00	974-975; 955-961
Lower Amaranth – Mission Canyon 3b D	07 35D	43	100/15-20-002-28W1/02	975.0-979.0; 988.5-990
Mission Canyon 3 B	07 41B	44	100/14-05-002-28W1/02	1007.5-1030.0
Mission Canyon 3 C	07 41C	44	100/12-06-003-29W1/00	1165.0-1605.0 md
Mission Canyon 3 D	07 41D	44	100/07-21-001-27W1/00	
Mission Canyon 3b B	07 42B	45	100/08-07-003-28W1/00	981.5-990.6
Mission Canyon 3b C	07 42C	45	100/06-17-003-29W1/00	1002.0-1016.0
Mission Canyon 3b D	07 42D	45	100/13-32-002-29W1/00	1021.1-1033.3
Mission Canyon 3b E	07 42E	45	100/11-30-002-28W1/00	990.0-1002.0
Mission Canyon 3b F	07 42F	45	100/14-20-002-28W1/02	987.5-1003.4
Mission Canyon 3b J	07 42J	45	100/13-33-001-28W1/00	1002.0-1026.0
Mission Canyon 3b K	07 42K	45	100/05-30-001-28W1/00	1025.0-1043.5
Mission Canyon 3b L	07 42L	45	100/06-23-002-29W1/00	1012-1020
Mission Canyon 3b M	07 42M	45	100/08-06-002-27W1/00	967.7-969.7
Mission Canyon 3b N	07 42N	45	100/04-34-002-28W1/00	974.5-975.8
Mission Canyon 3b O	07 42O	45	100/09-26-002-28W1/00	963-965
Mission Canyon 3b P	07 42P	45	102/06-15-002-29W1/00	1029.49-1032.35
Mission Canyon 3b Q	07 42Q	45	100/10-29-002-29W1/00	1029.5-1031.5
Mission Canyon 3a A	07 43A	46	100/08-16-003-29W1/00	999.7-1018.0
Mission Canyon 3a B	07 43B	46	100/09-18-003-28W1/00	976.9-990.6
Mission Canyon 3a E	07 43E	46	100/06-10-003-28W1/00	970.3-985.0
Mission Canyon 3a F	07 43F	46	100/14-05-003-29W1/03	1085.0-1385.0 md
Mission Canyon 3a G	07 43G	46	100/06-36-002-29W1/02	1002.8-1003.85
Mission Canyon 3a H	07 43H	46	100/10-29-002-29W1/00	1029.5-1031.5

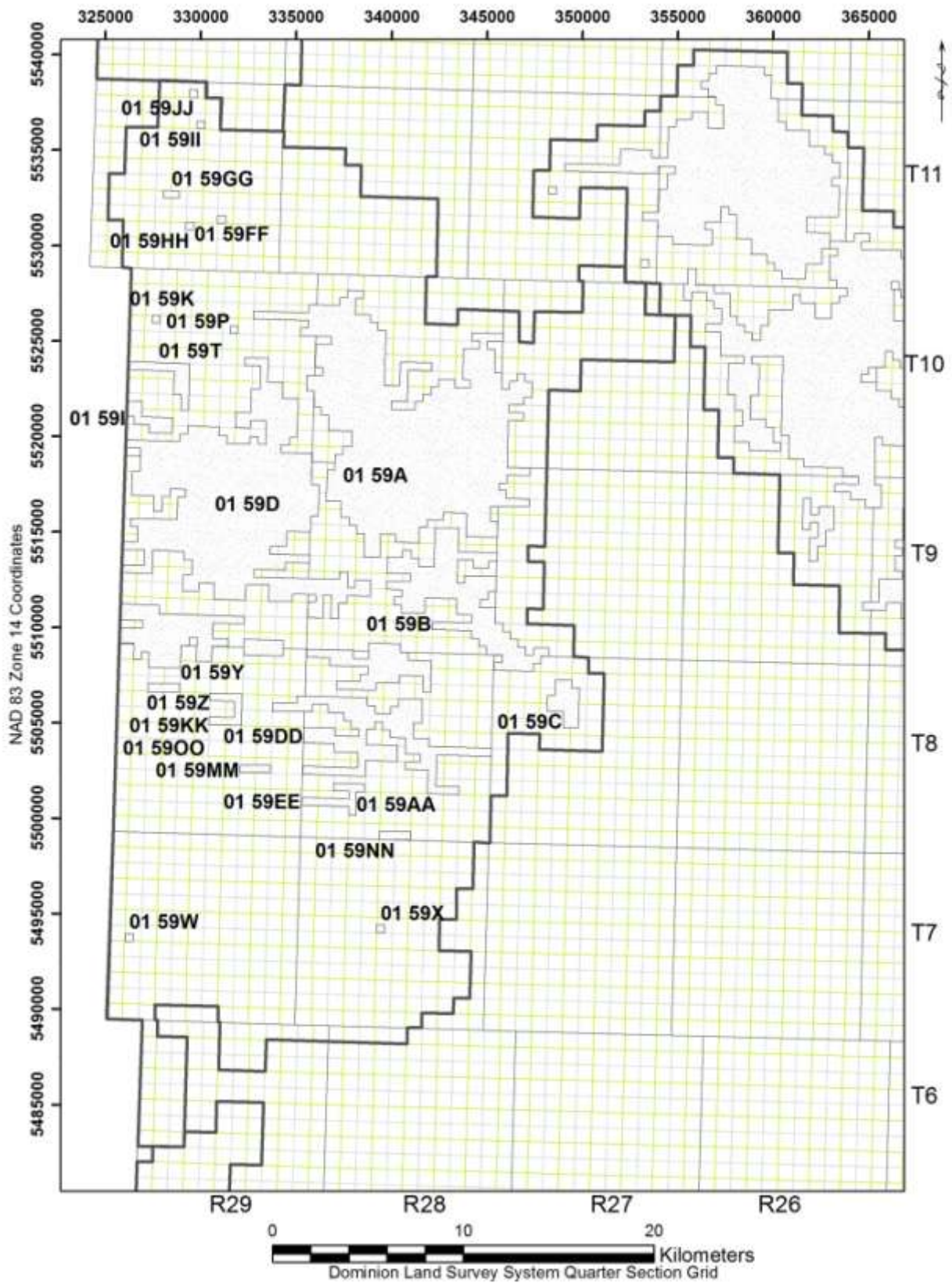
POOL	CODE		REFERENCE WELL	
			UWI	TVD INTERVAL (meters KB)
Mission Canyon 1 A	07 44A	47	100/04-25-003-28W1/00	948.0-980.0
<b>KIRKELLA FIELD</b>				
Lodgepole Dolomite A	09 51A	48	100/14-08-012-29W1/00	725.0-742.0
Lodgepole Dolomite B	09 51B	48	100/04-19-012-29W1/00	729.0-744.0
Lodgepole Daly A	09 54A	49	100/14-10-012-29W1/00	722.4-734.3
Lodgepole Daly B	09 54B	49	100/05-17-012-29W1/00	746.0-755.0
Lodgepole Daly C	09 54C	49	100/04-18-012-29W1/00	745.5-757.0
Lodgepole Daly D	09 54D	49	100/14-01-012-29W1/00	714.0-740.0
Lodgepole Daly E	09 54E	49	100/16-06-012-29W1/00	746.0-758.0
Lodgepole Crinoidal A	09 55A	50	100/10-03-012-29W1/00	758.0-761.5
Lodgepole Crinoidal B	09 55B	50	100/11-15-012-29W1/00	716.0-720.0 md
Lodgepole Crinoidal C	09 55C	50	100/15-10-012-29W1/00	715.0-729.0
Lodgepole A	09 59A	51	100/16-16-12-29W1/03	741.5-742.5; 752.5-753.5
Bakken-Three Forks A	09 62A	52	100/12-15-012-29W1/02	786.5-791.5
Bakken-Three Forks B	09 62B	52	100/16-03-012-29W1/02	809.0-811.0
Bakken-Three Forks C	09 62C	52	100/14-35-011-29W1/00	817-818.5
<b>SOURIS HARTNEY FIELD</b>				
Lodgepole Virden A	10 53A	54	100/04-16-006-22W1/00	653.2-671.8
<b>REGENT FIELD</b>				
Lodgepole WL A	13 52A	53	100/16-02004-22W1/00	761.5-780.0
Lodgepole WL B	13 52B	53	100/15-21-004-22W1/00	758.6-777.8
Lodgepole Virden A	13 53A	54	100/06-07-004-21W1/00	766.9-781.8
Lodgepole Virden B	13 53B	54	100/14-13-004-22W1/00	759.0-780.0
Lodgepole Virden D	13 53D	54	100/12-31-004-21W1/00	733.0-738.4
Lodgepole Virden E	13 53E	54	100/02-07-005-21W1/00	713.5-715
<b>MOUNTAINSIDE FIELD POOL</b>				
Lodgepole WL A	14 52A	39	103/11-16-002-21W1/00	1078.0-1451.4
<b>BIRDTAIL FIELD</b>				



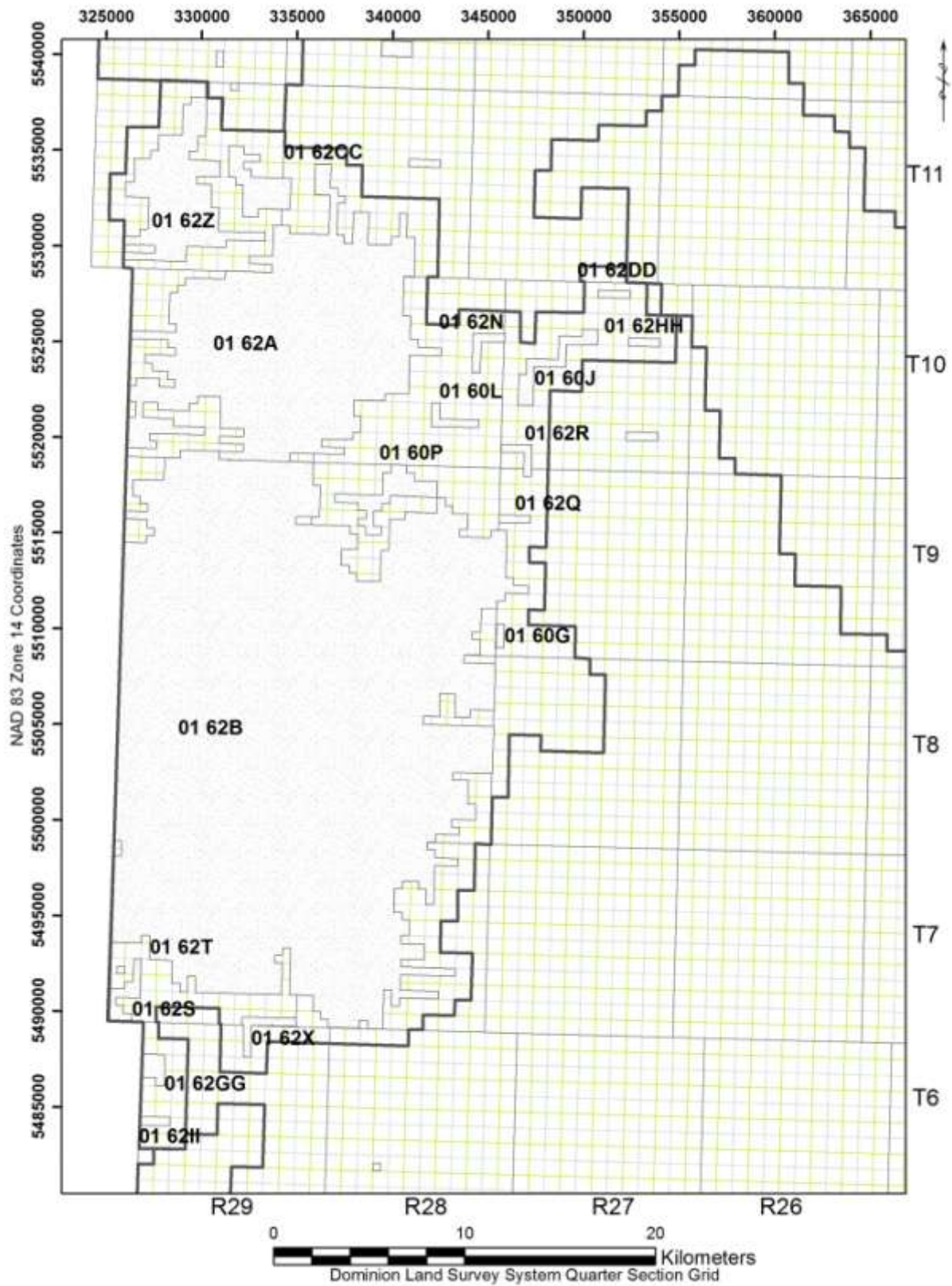
POOL	CODE		REFERENCE WELL	
			UWI	TVD INTERVAL (meters KB)
Bakken A	15 60A	55	100/05-04-016-27W1/00	518.5-524.5
Bakken B	15 60B	55	100/09-09-016-27W1/00	518.5-527.5
Bakken-Three Forks A	15 62A	55	100/09-30-016-27W1/00	535.5-538
Bakken-Three Forks C	15 62C	55	100/14-35-016-28W1/00	499.5-502
<b>MANSON FIELD</b>				
Bakken-Three Forks A	17 62A	56	100/01-34-012-28W1/00	700.41-707.44
Bakken-Three Forks B	17 62B	56	100/14-09-013-28W1/00	672-674
Bakken-Three Forks F	17 62F	56	100/01-34-012-28W1/00	700.41-707.44
Bakken-Three Forks G	17 62G	56	100/04-06-014-28W1/00	
Bakken-Three Forks H	17 62H	56	100/11-04-014-28W1/00	625.7-629.2; 630.9-633.2
<b>OTHER AREAS</b>				
Melita A	99 19A	57	100/14-15-016-29W1/00	432.3-446.0
Melita B	99 19B	57	100/06-17-016-29W1/00	438-441
Melita D	99 19D	57	100/16-19-012-26W1/00	548-551
Lower Amaranth-Lodgepole	99 40A	60	100/03-33-008-24W1/00	570.0-584.0
Mission Canyon 1 A	99 44A	37	100/08-31-002-23W1/00	812.0-843.0
Mission Canyon 1 D	99 44D	37	100/16-02-003-26W1/00	879.0-922.0
Mission Canyon 1 E	99 44E	31	100/16-06-006-28W1/00	905.0-908.0
Mission Canyon 1 G	99 44G	60	100/02-16-006-26W1/00	855.0-1229.0 md
Mission Canyon 1 H	99 44H	60	100/03-13-006-27W1/00	786.5-790.0
Mission Canyon 1 J	99 44J	31	100/11-36-005-29W1/00	923.0-927.5
Mission Canyon 1 K	99 44K	60	100/09-02-007-27W1/00	777.0-779.5
Mission Canyon 1 L	99 44L	60	100/06-03-007-27W1/00	789.7-794.0
Mission Canyon 1 M	99 44M	37	100/05-35-002-24W1/00	842.0-845.0
Mission Canyon 1 O	99 44O	37	100/14-36-001-23W1/00	944-948
Mission Canyon 1 R	99 44R	31	100/12-21-005-28W1/00	905-908; 899-902
Lodgepole WL C	99 52C	53	100/13-19-004-22W1/00	762.0-775.7
Lodgepole Virden C	99 53C	61	100/05-32-002-23W1/00	827.0-828.5
Lodgepole I	99 59I	61	100/11-35-002-24W1/00	960.0-1955 md, 1063-1308 md
Lodgepole J	99 59J	53	100/10-18-005-22W1/00	757.0-759; 764.0- 765.5
Lodgepole N	99 59N	58	100/01-34-12-27W1/00	556-557
Lodgepole P	99 59P	58	100/04-27-012-27W1/00	565-566

POOL	CODE	PLAT (Page #)	REFERENCE WELL	
			UWI	TVD INTERVAL (meters KB)
Lodgepole Q	99 59Q	58	100/01-30-012-26W1/00	582-584.5
Bakken-Three Forks L	99 62L	32	100/05-08-004-29W1/00	1209.5-1214.5
Bakken-Three Forks M	99 62M	32	100/10-08-006-28W1/00	1064.0-1066.0
Bakken-Three Forks U	99 62U	29	100/01-11-010-27W1/00	779.7-789.4
Bakken-Three Forks DD	99 62DD	55	100/15-32-017-28W1/00	511-513
Bakken-Three Forks GG	99 62GG	59	100/01-34-012-27W1/00	644-645
Bakken-Three Forks HH	99 62HH	59	100/08-36-013-28W1/00	606-608
Bakken-Three Forks JJ	99 62JJ	59	100/08-10-012-28W1/02	740.62-759.93
Bakken-Three Forks KK	99 62KK	59	100/09-23-011-28W1/00	821.11-824.91
Bakken-Three Forks LL	99 62LL	59	100/04-25-015-27W1/00	527.7

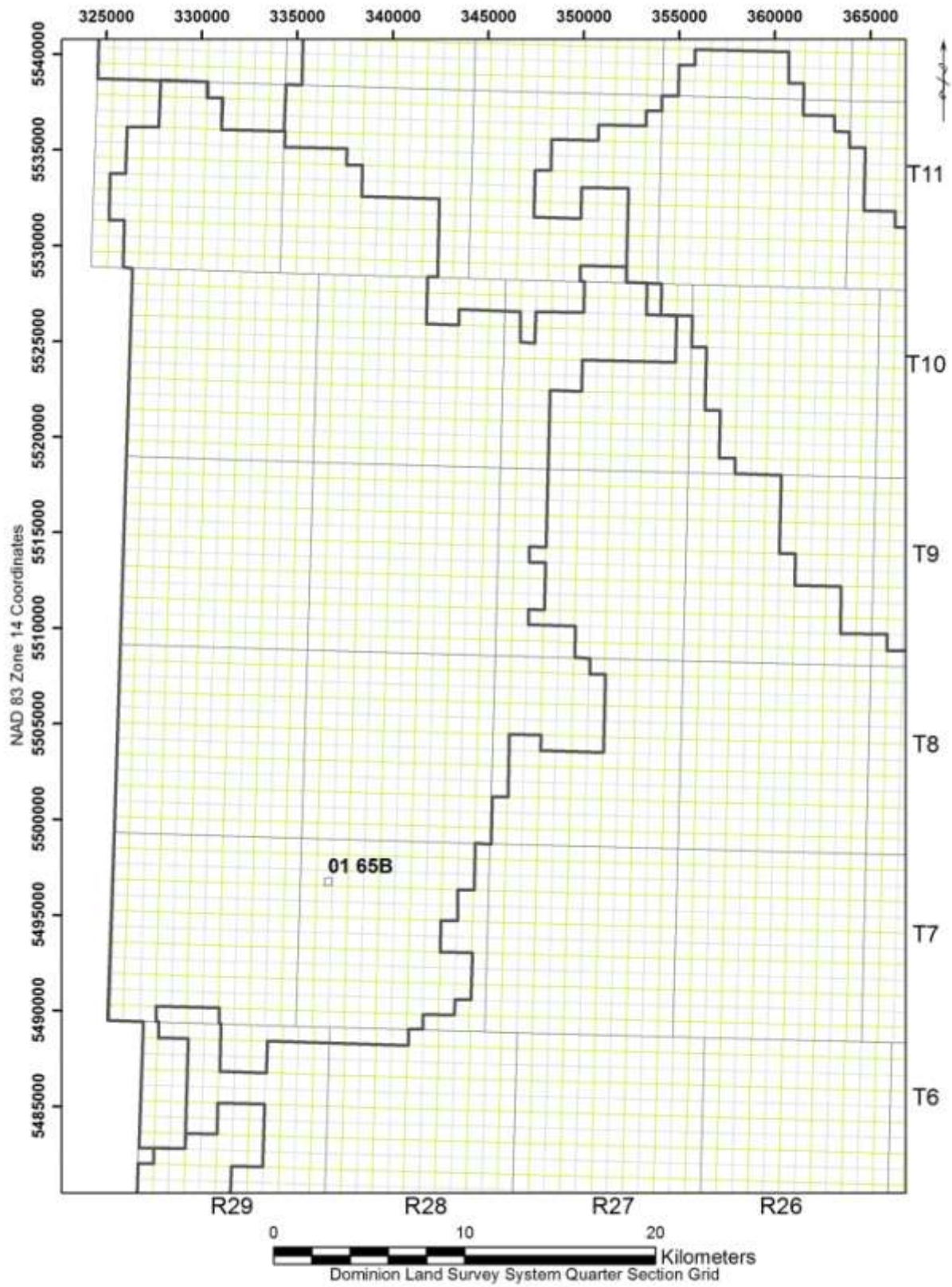
## **MANITOBA'S DESIGNATED POOL PLATS**



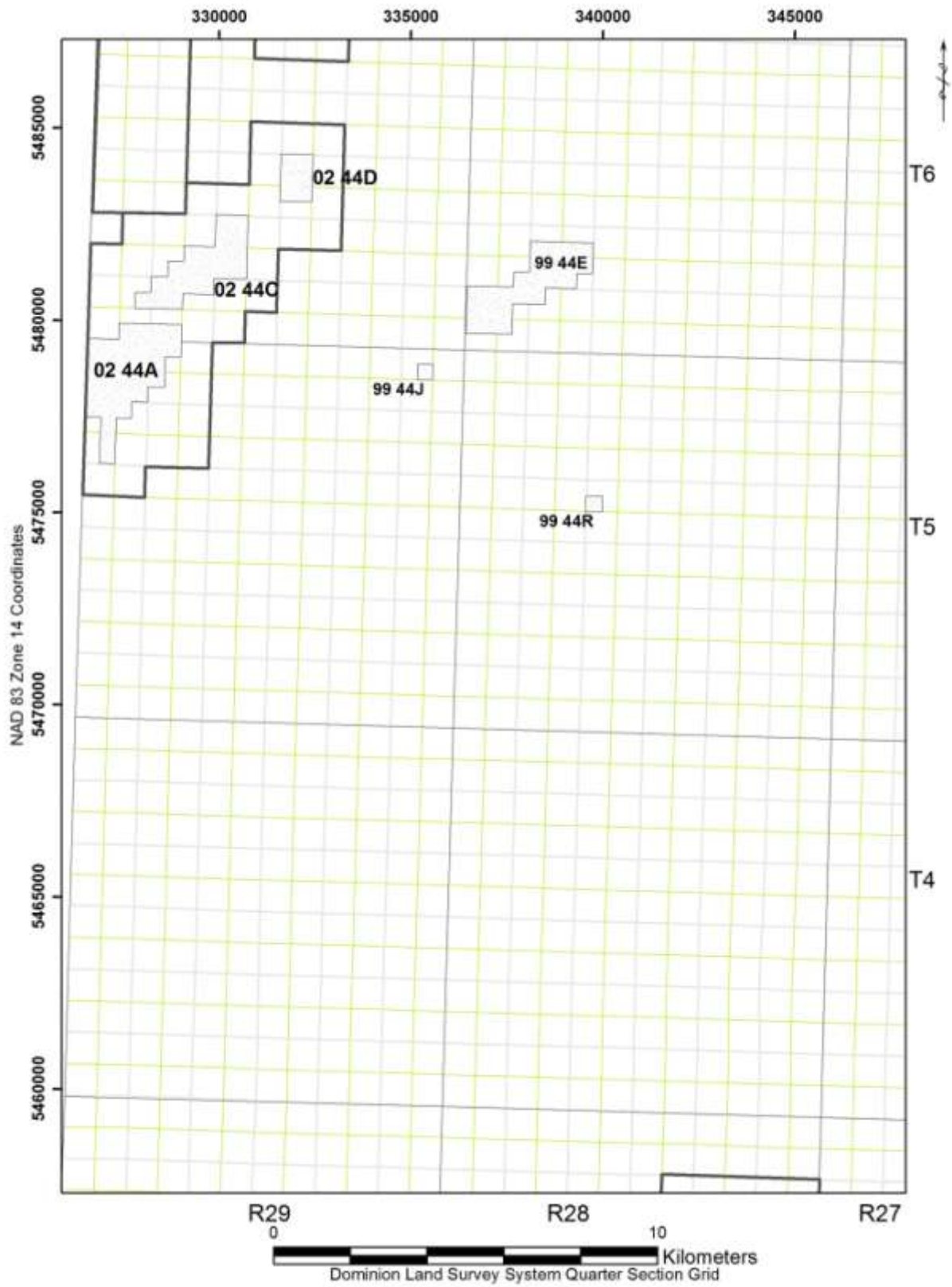
**Figure 12 - Daly Sinclair Lodgepole Pools (01 59A - 01 59OO)**



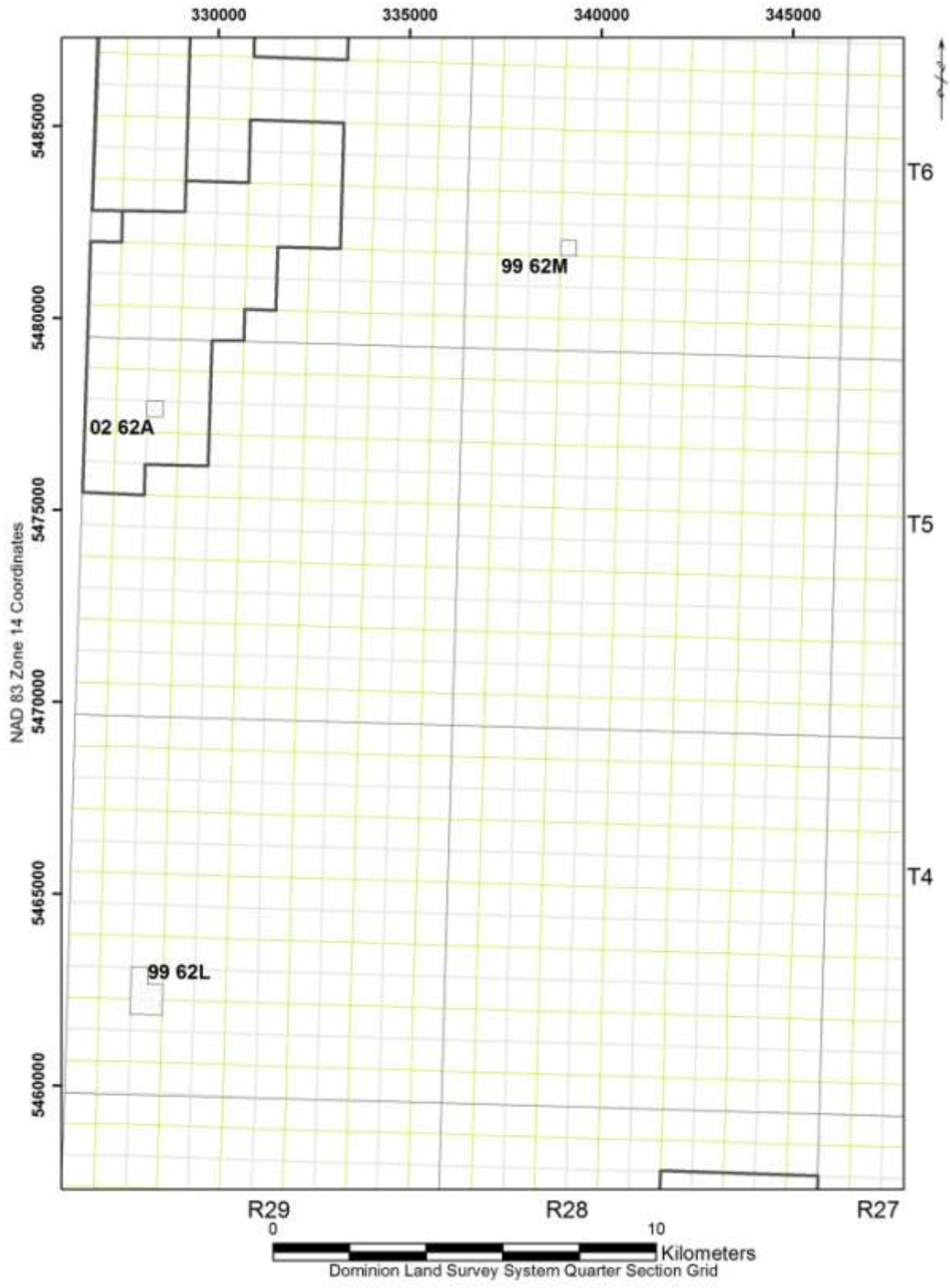
**Figure 13 - Daly Sinclair Bakken & Bakken-Torquay Pools (01 60A-0160P & 01 62A-01 62II).**



**Figure 14 - Daly Sinclair Torquay Pools (01 65B)**

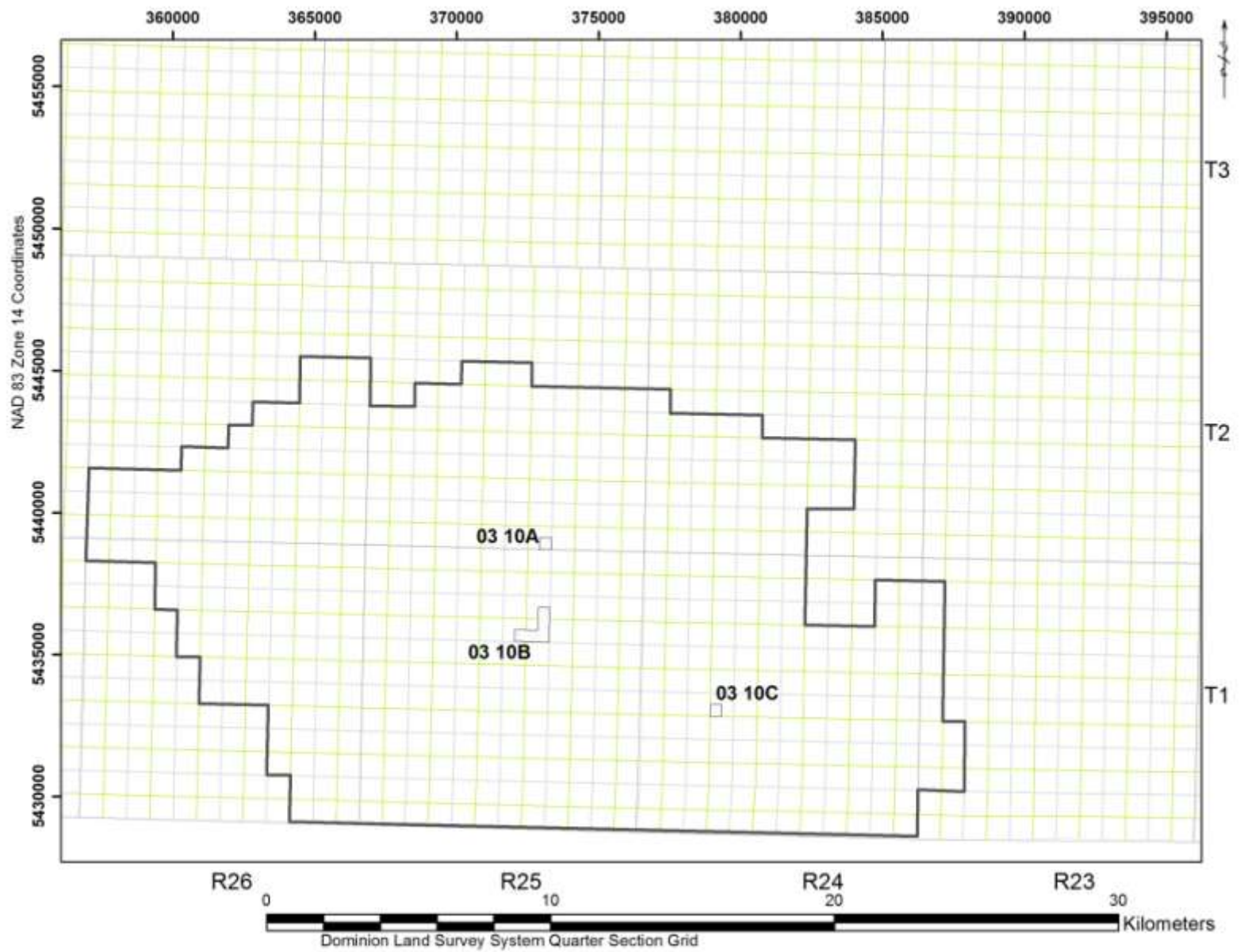


**Figure 15 - Tilston & Other Areas Mission Canyon 1 Pools (02 44A-02 44D, 99 44E, 99 44J & 99 44R).**

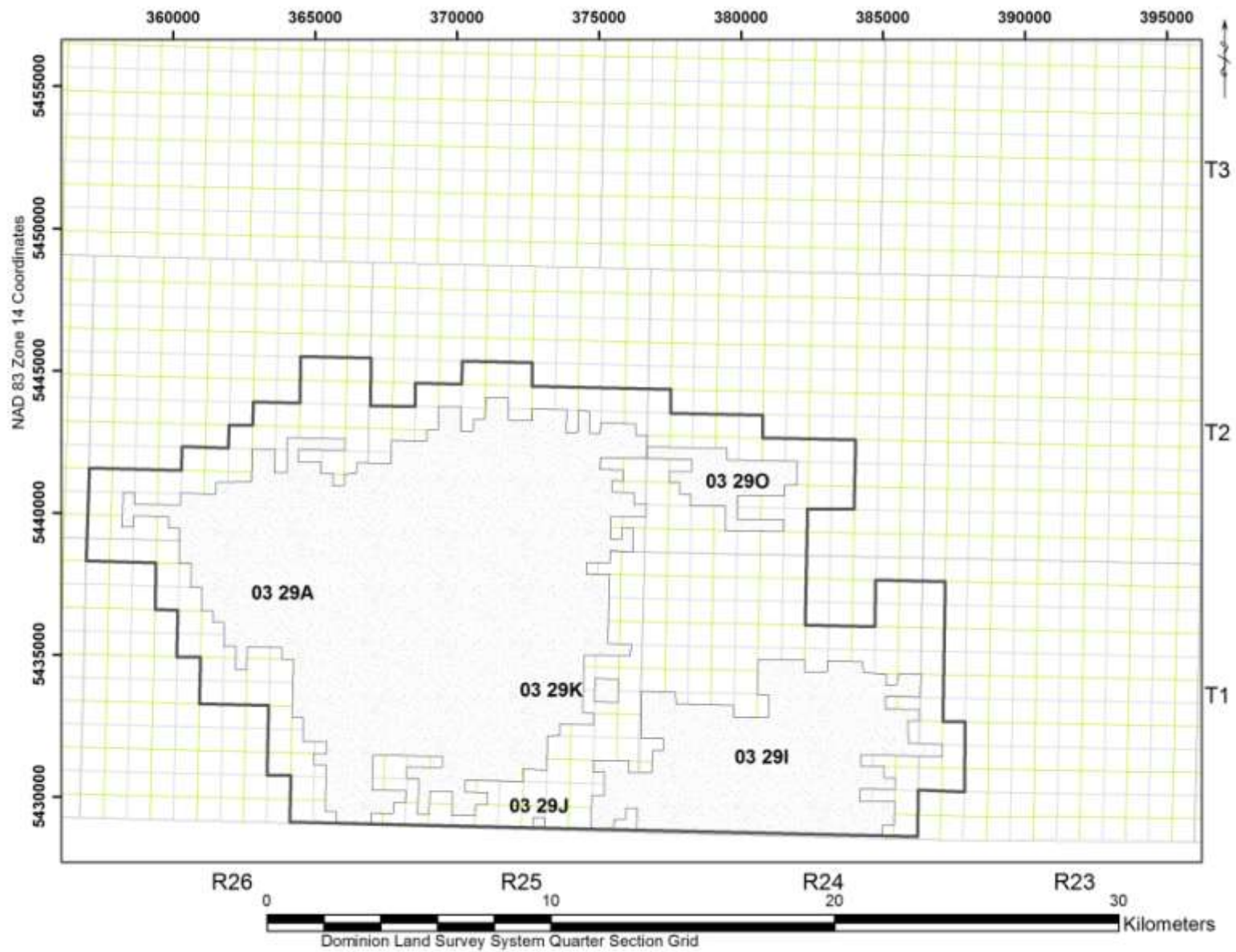


**Figure 16 - Tilston & Other Areas Bakken-Torquay Pools (02 62A & 99 62M).**

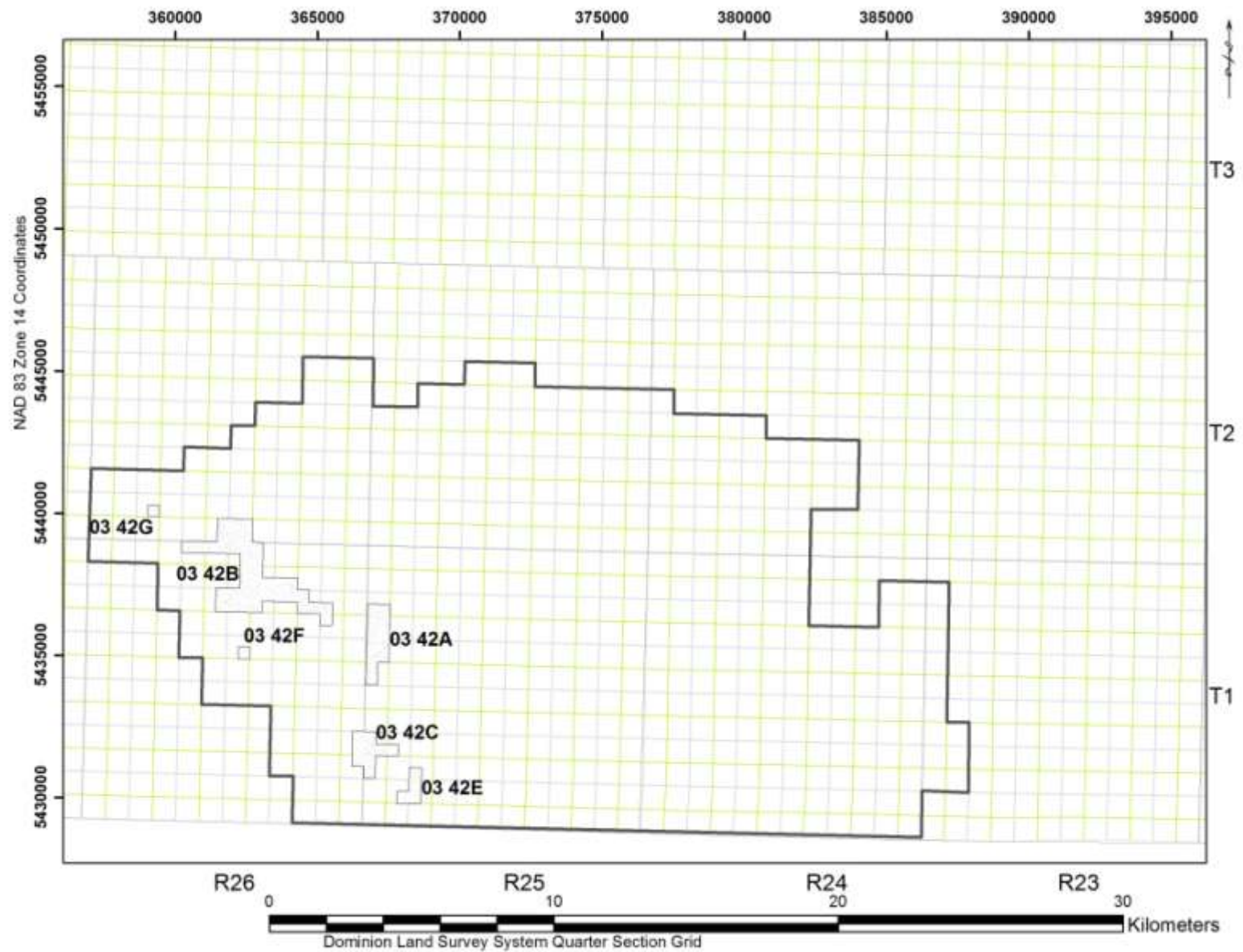




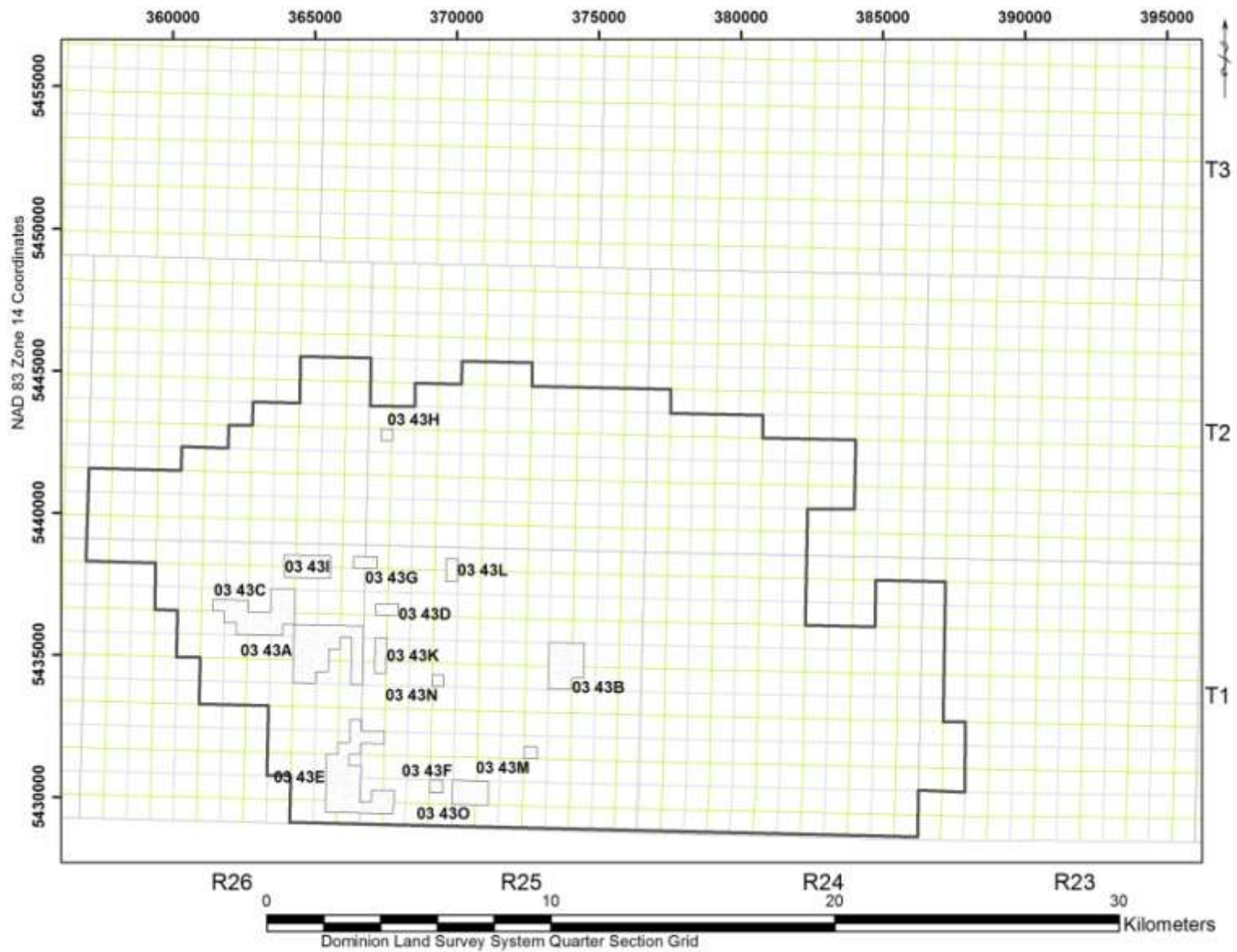
**Figure 17 - Waskada Favel Pools (03 10A – 03 10C)**



**Figure 18 - Waskada Lower Amaranth Pools (03 29A – 03 29O)**



**Figure 19 - Waskada Mission Canyon 3b Pools (03 42A - 03 42G)**



**Figure 20 - Waskada Mission Canyon 3a Pools (03 43A - 03 43M)**

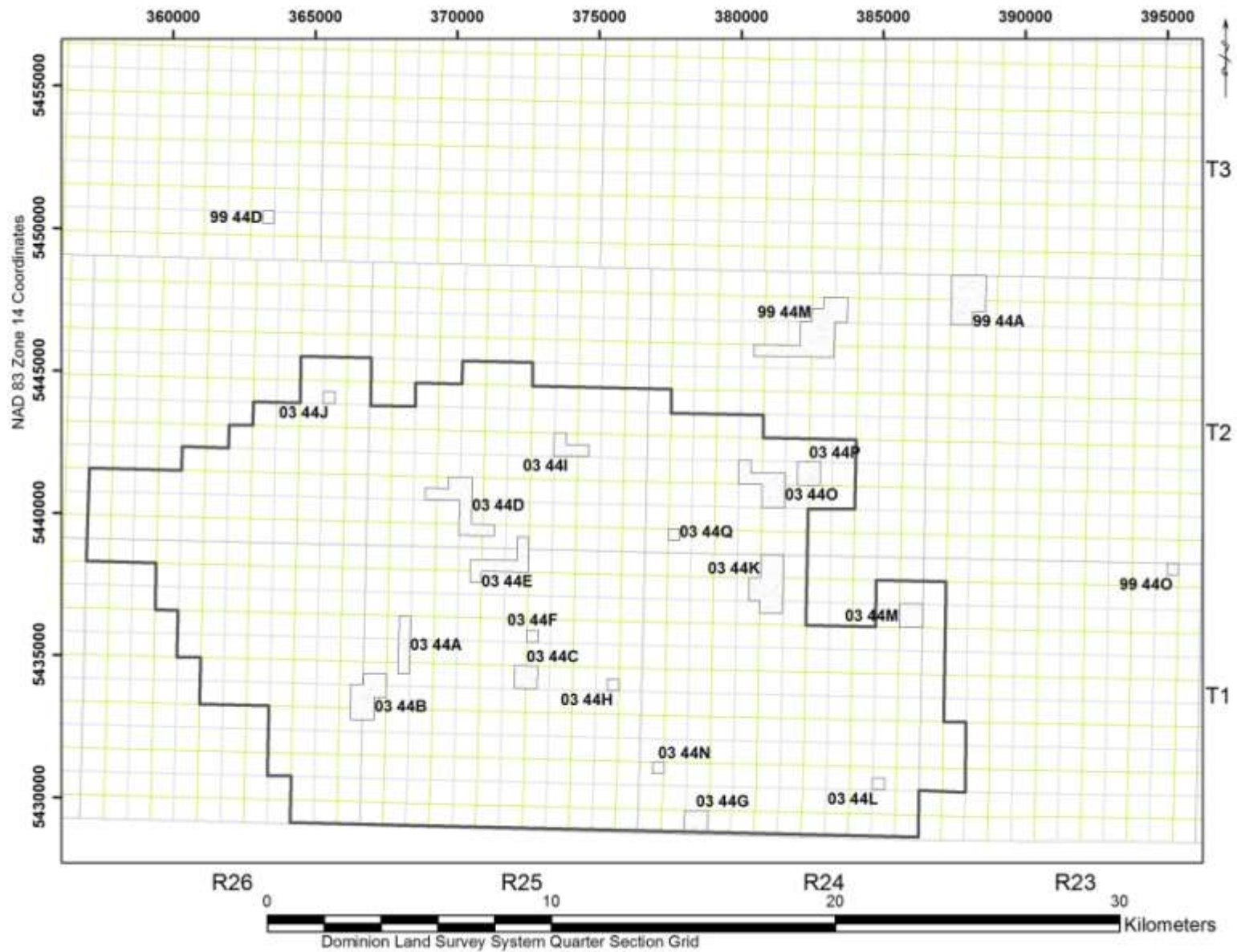
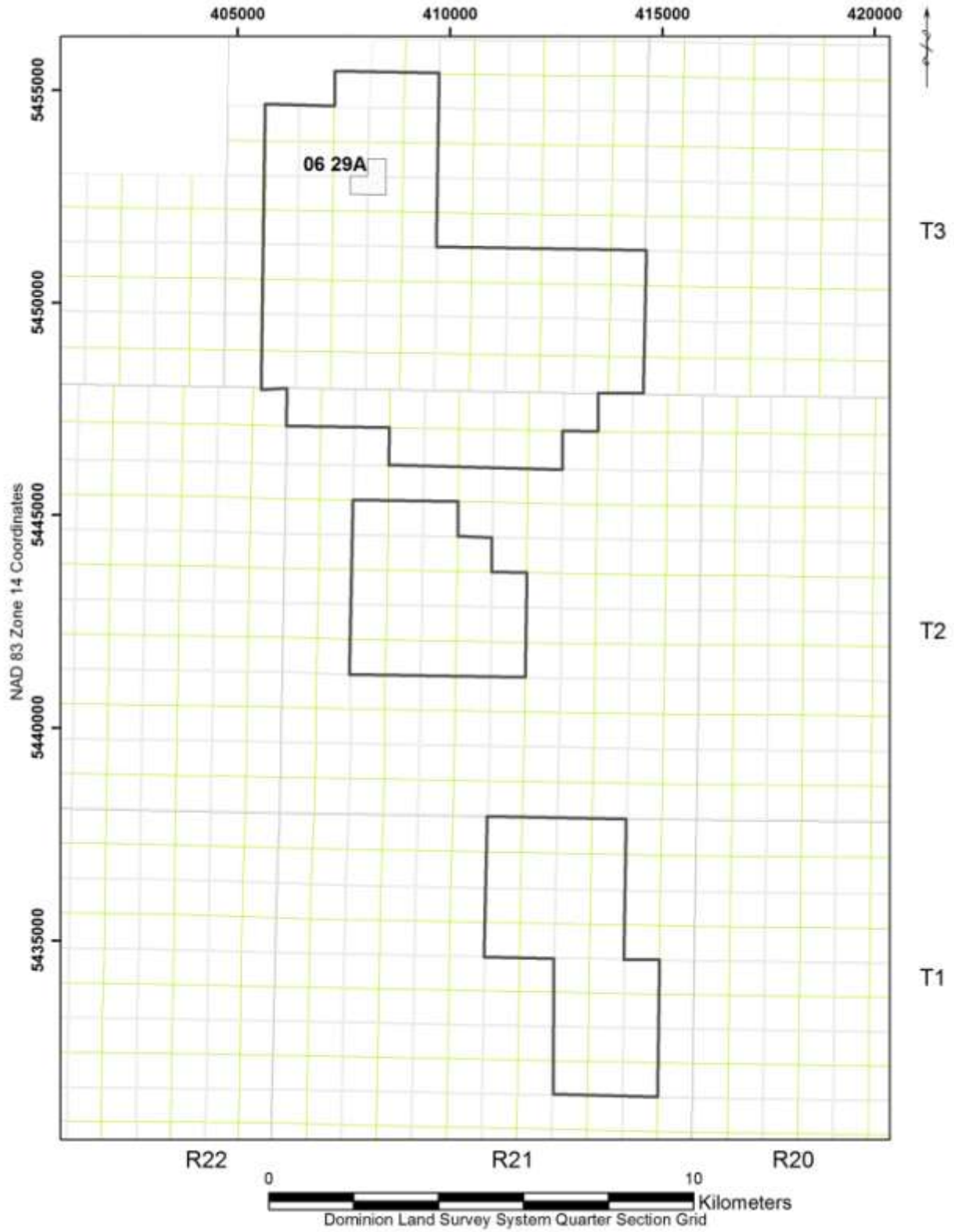
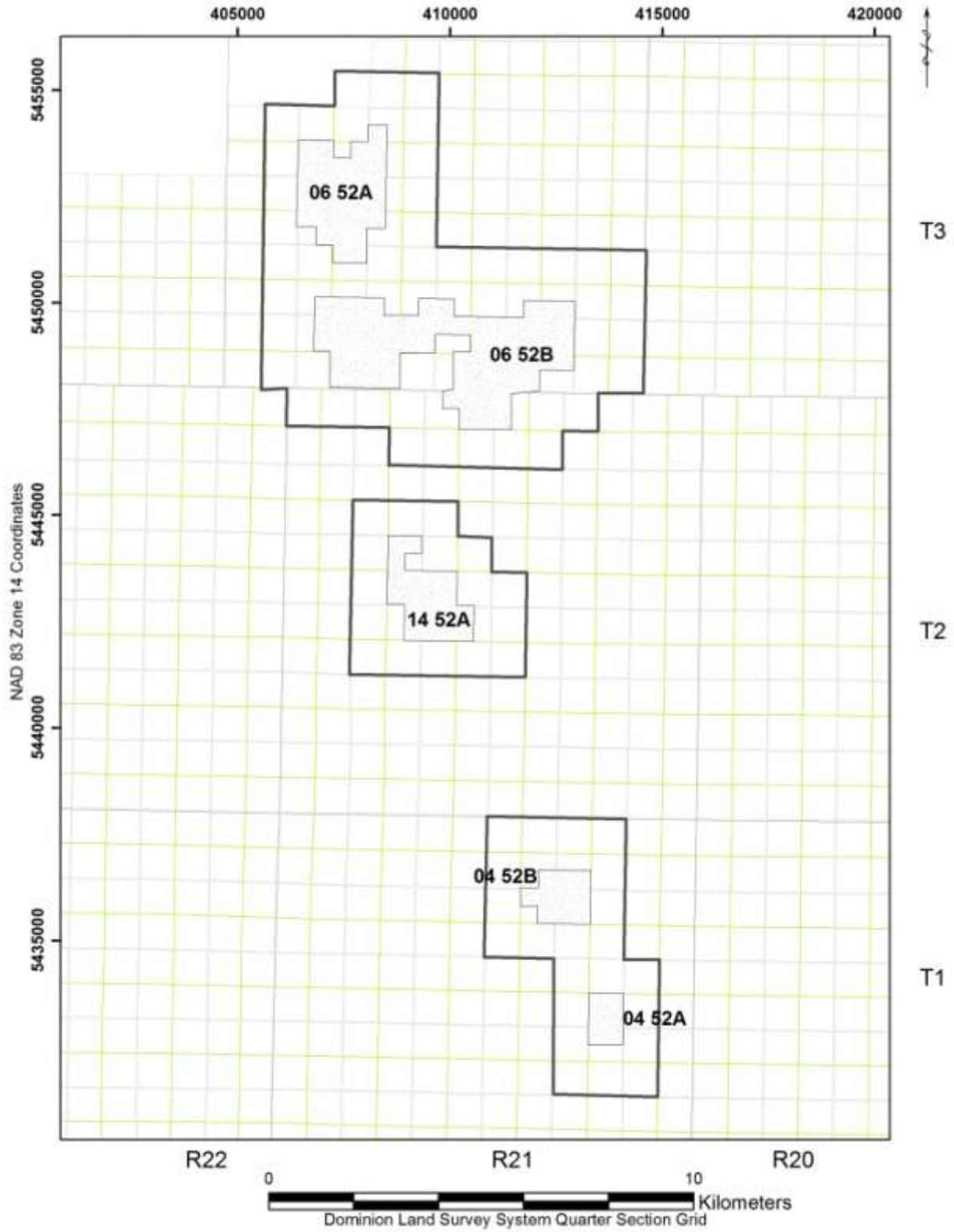


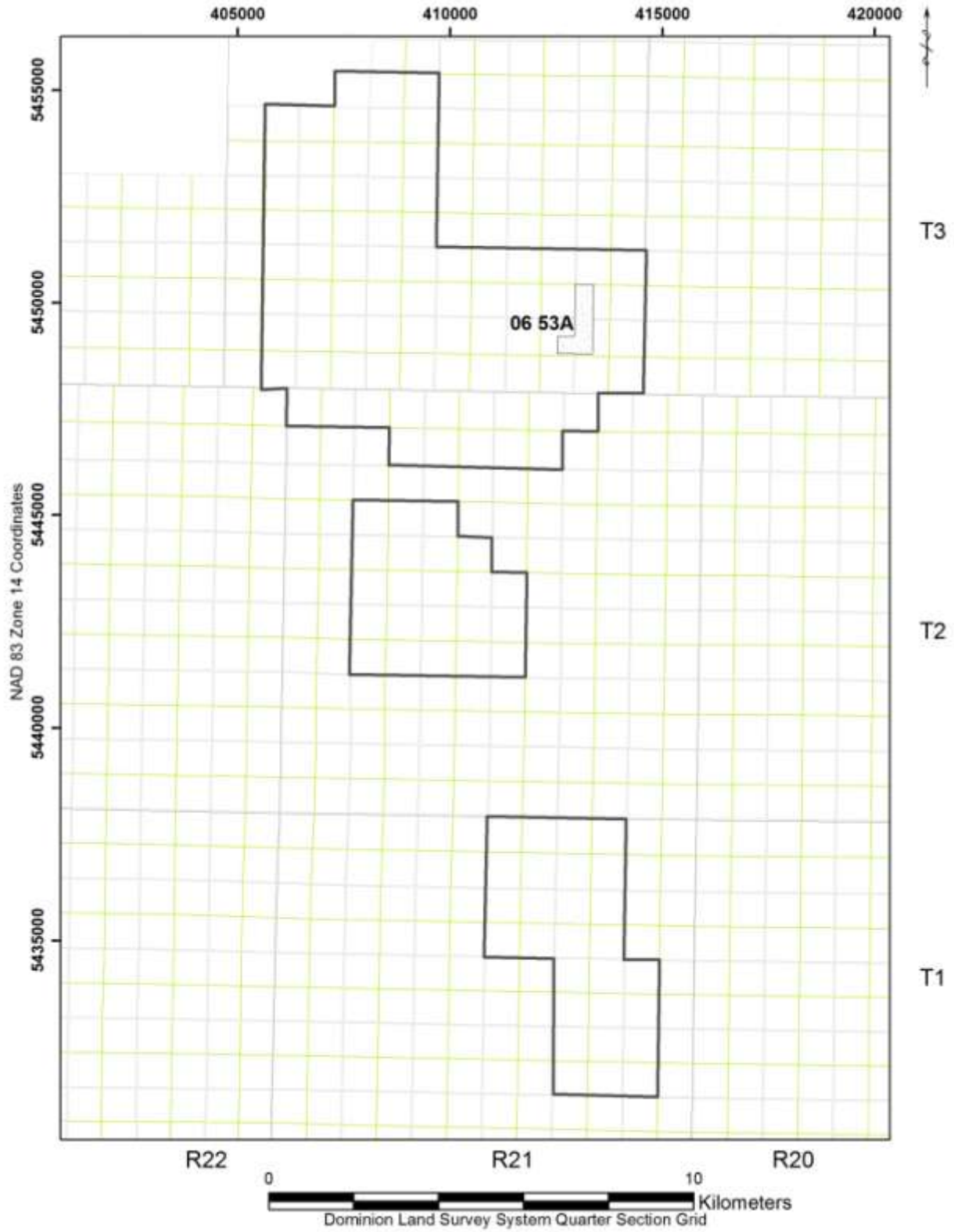
Figure 21 - Waskada & Other Areas Mission Canyon 1 Pools (03 44A – 03 44Q, 99 44A, 99 44D, 99 44M & 99 44O)



**Figure 22 - Lulu Lake, Mountainside & Whitewater Lower Amaranth Pools (06 29A)**

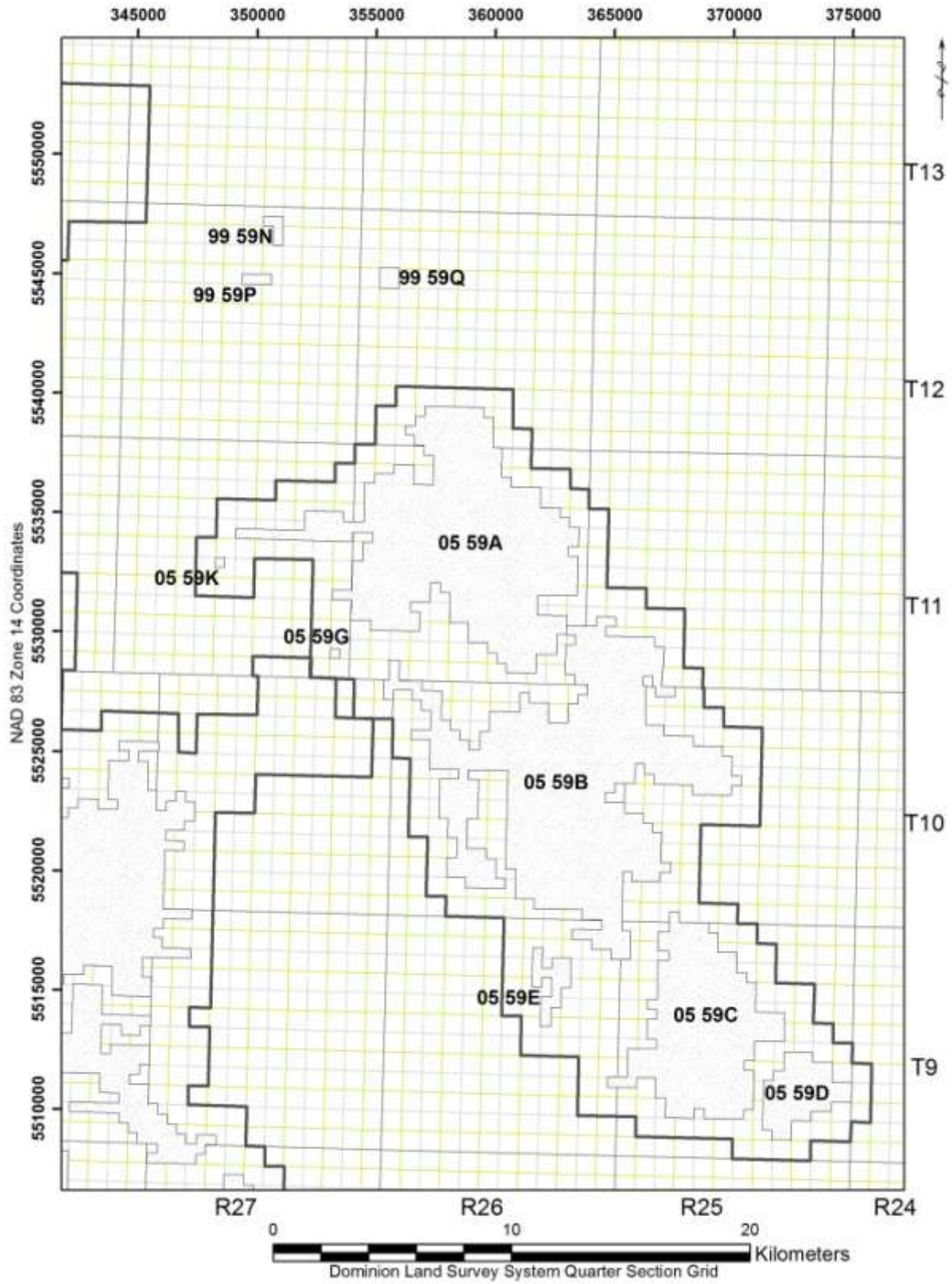


**Figure 23 - Lulu Lake, Mountainside & Whitewater Lodgepole Whitewater Lake Pools (04 52A, 04 52B, 06 52A, 06 52B & 14 52A)**

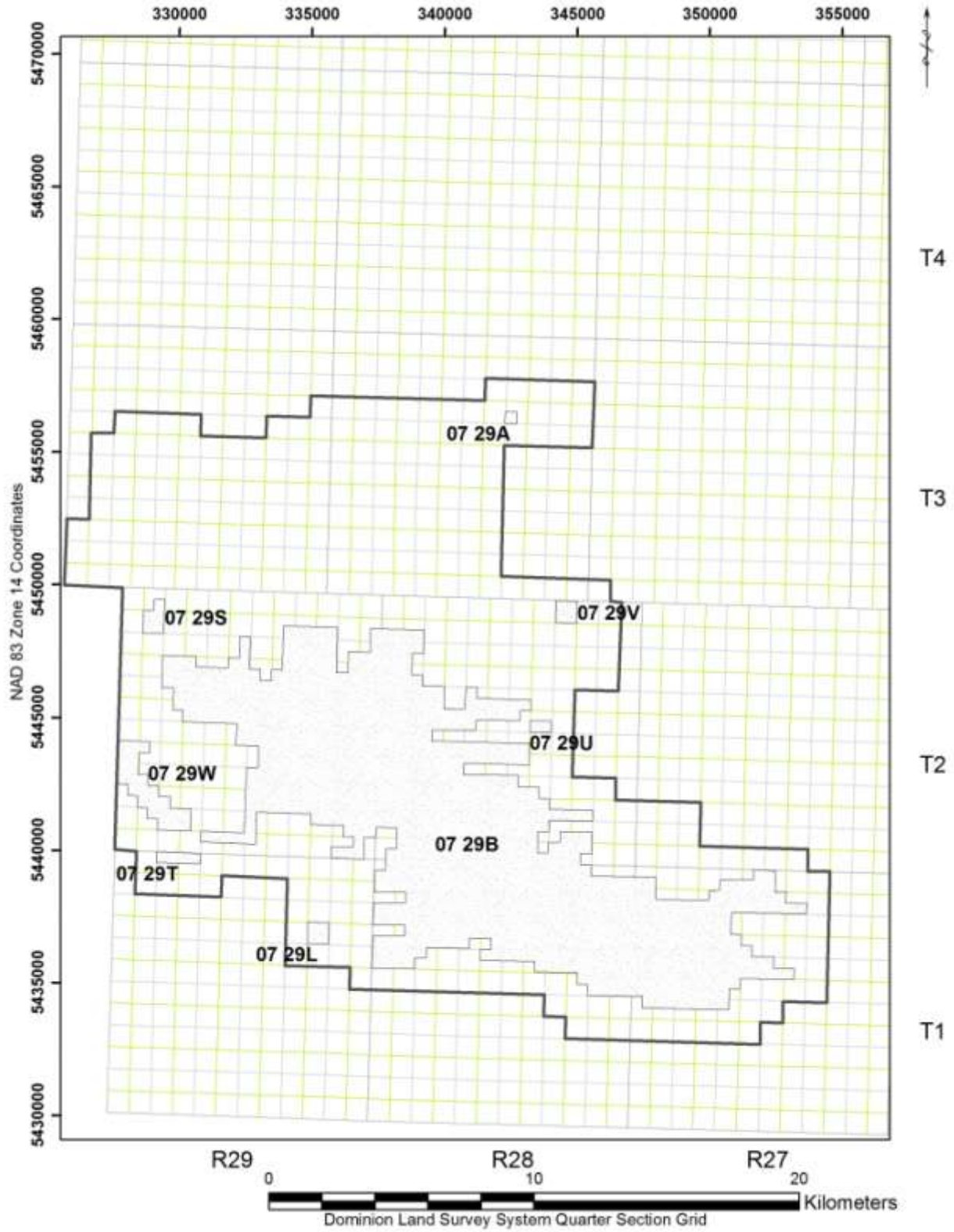


**Figure 24 - Lulu Lake, Mountainside & Whitewater Lodgepole Virden Pools (06 53A)**

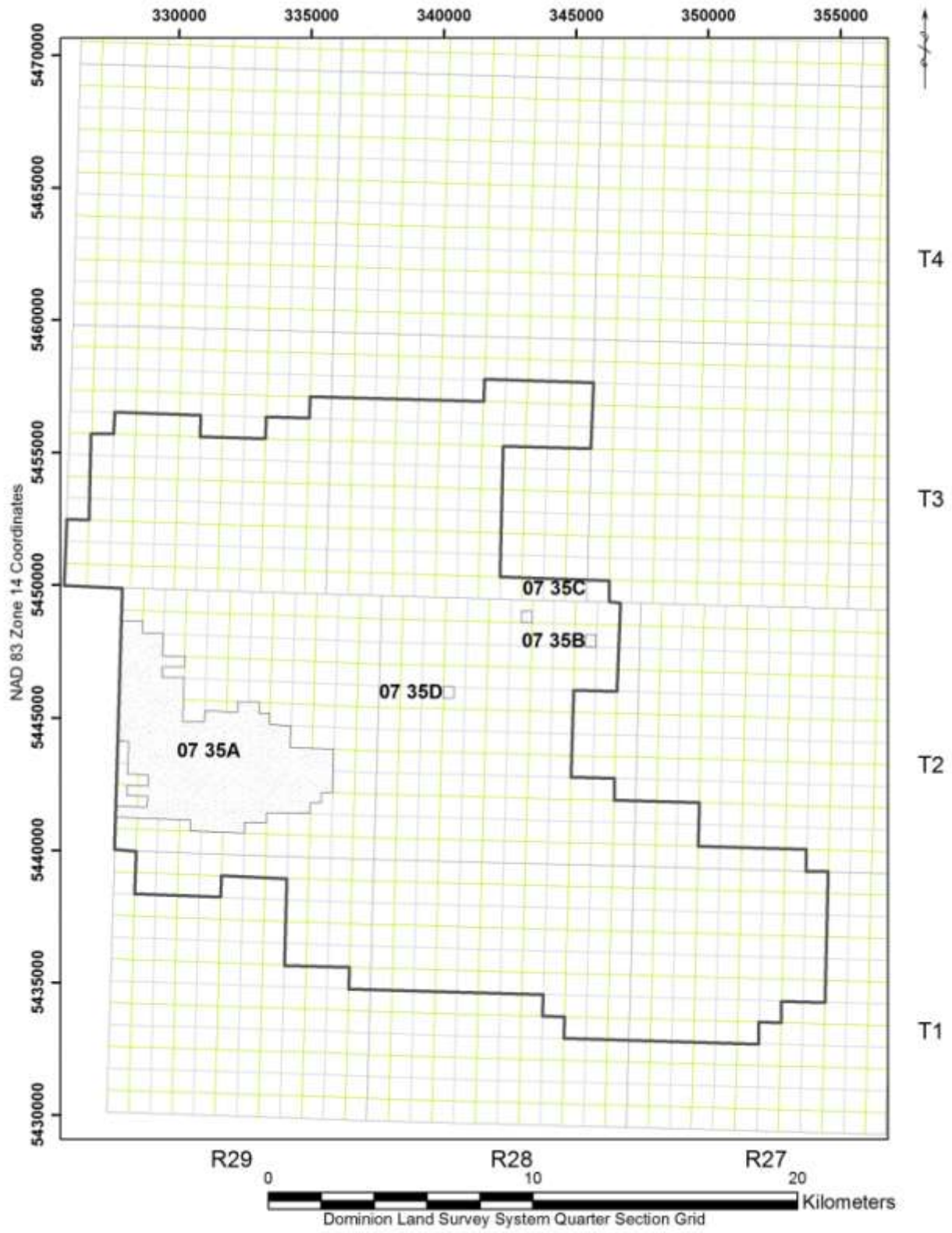




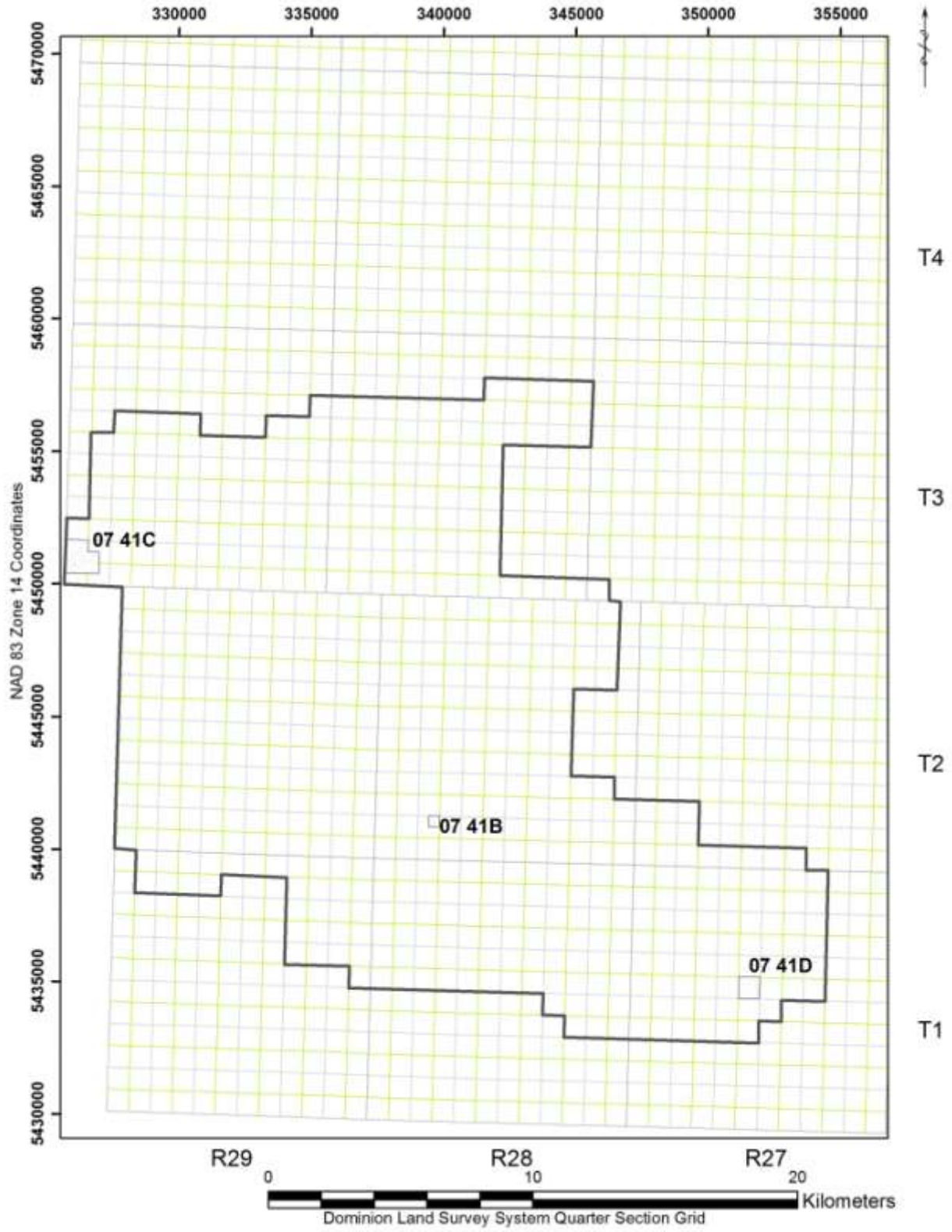
**Figure 25 - Virden & Other Areas Lodgepole Pools (05 59A – 05 59K, 99 59N, 99 59P & 99 59Q)**



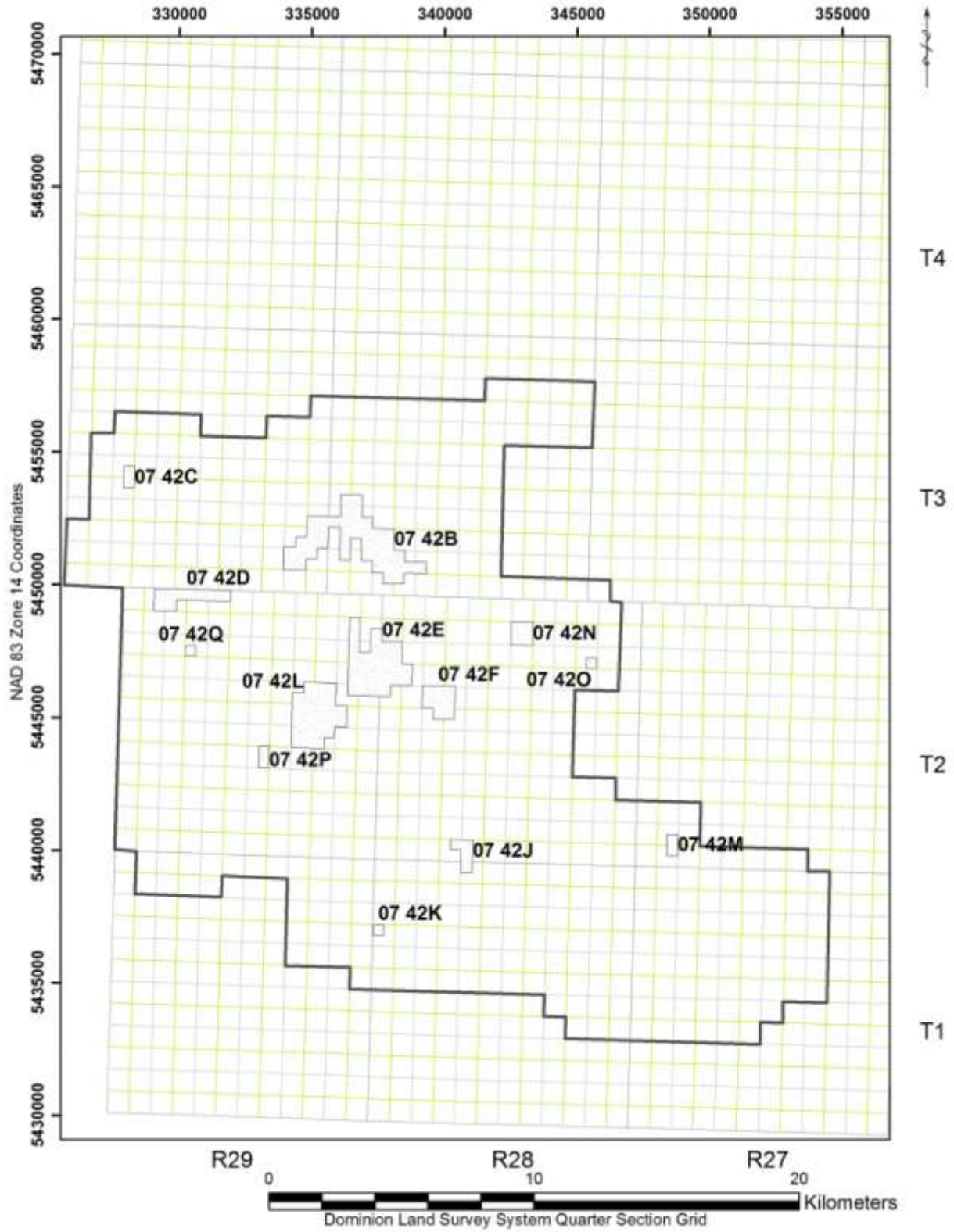
**Figure 26 - Pierson Lower Amaranth Pools (07 29A – 07 29W)**



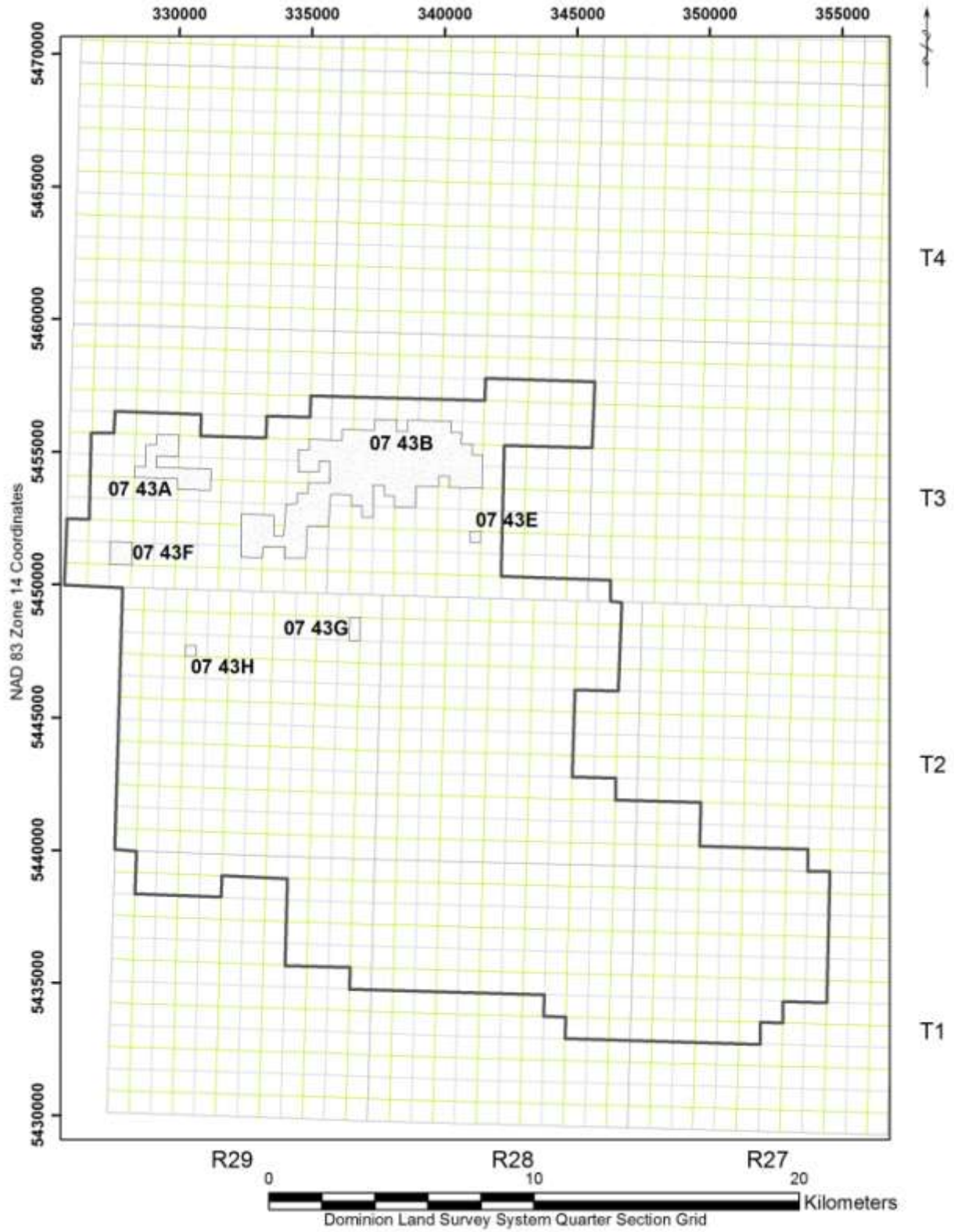
**Figure 27 - Pierson Lower Amaranth – Mission Canyon 3b Pools  
(07 35A – 07 35D)**



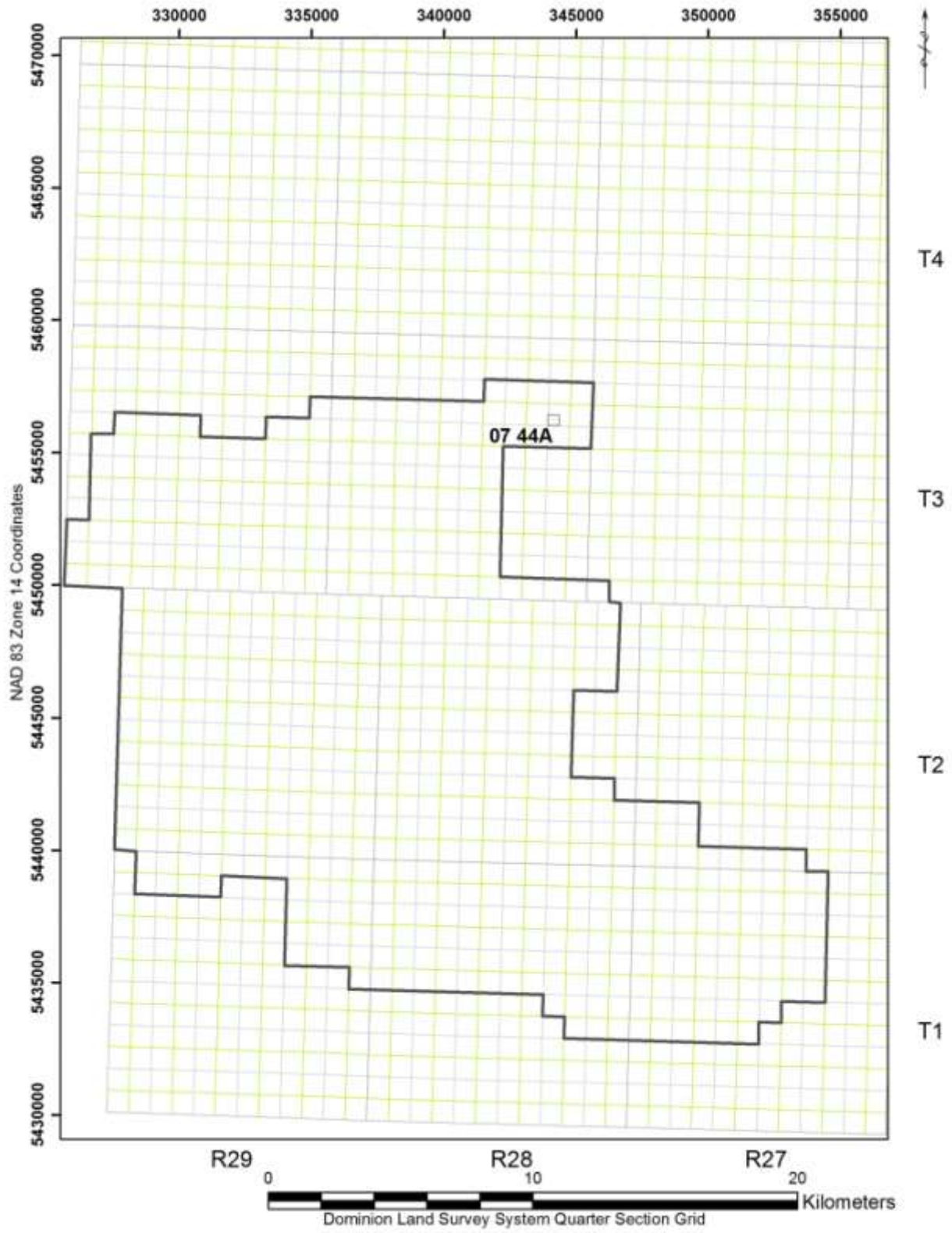
**Figure 28 - Pierson Mission 3 Pools (07 41B - 07 41D)**



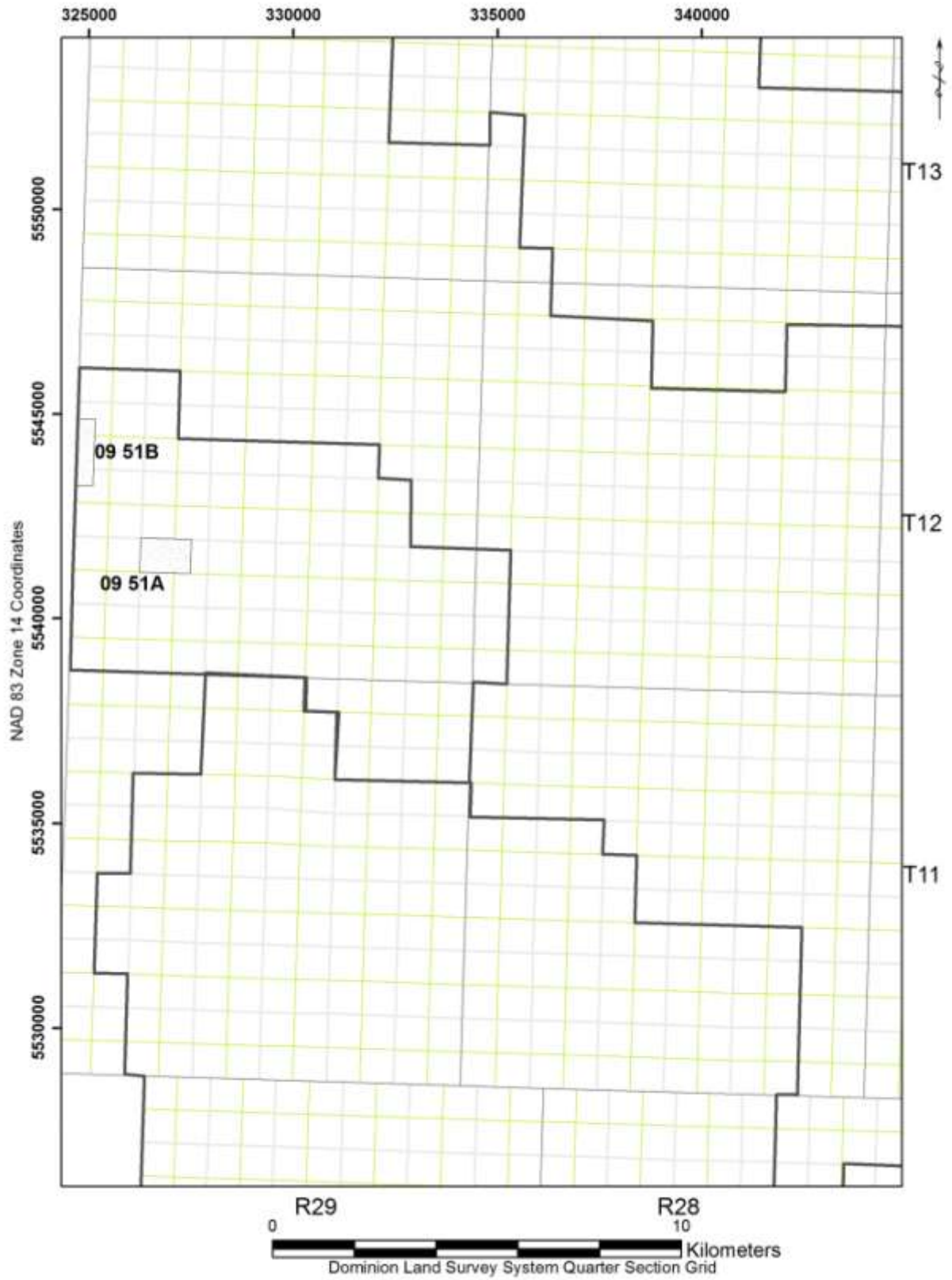
**Figure 29 - Pierson Mission Canyon 3b Pools (07 42B – 07 42M)**



**Figure 30 - Pierson Mission Canyon 3a Pools (07 43A – 07 43G)**

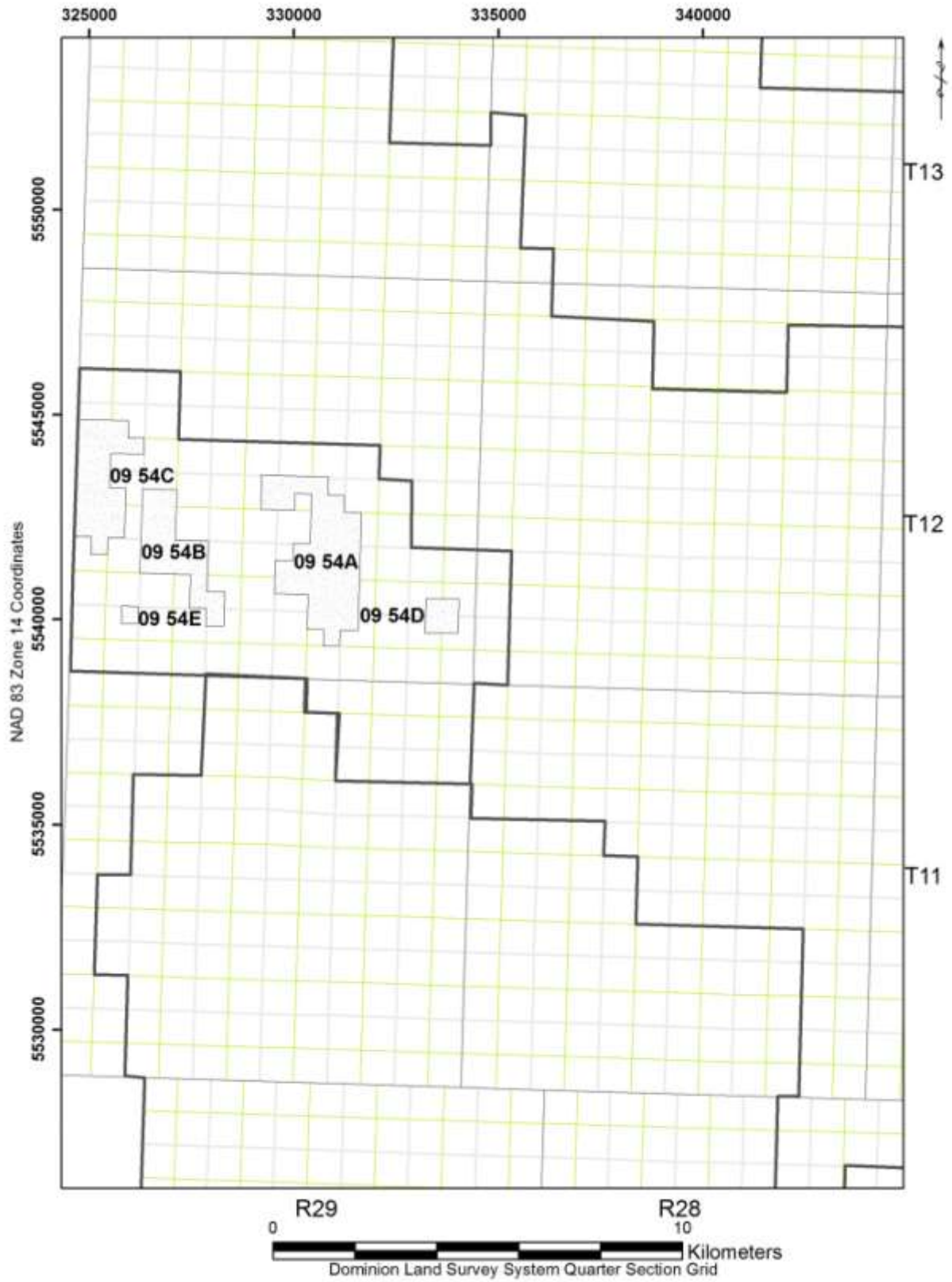


**Figure 31 - Pierson Mission Canyon 1 A Pool (07 44A)**

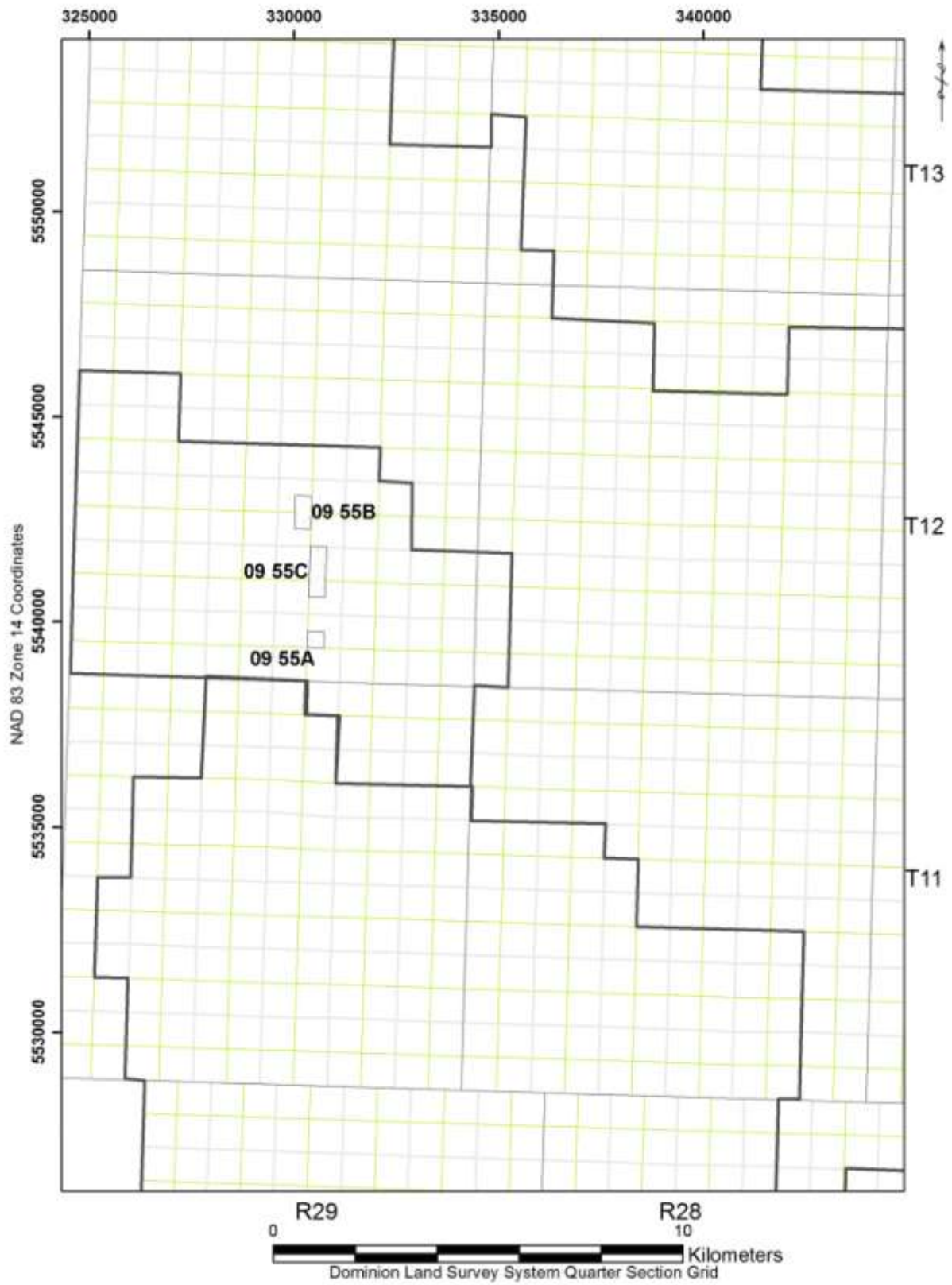


**Figure 32 - Kirkella Lodgepole Dolomite Pools (09 51A – 09 51B)**

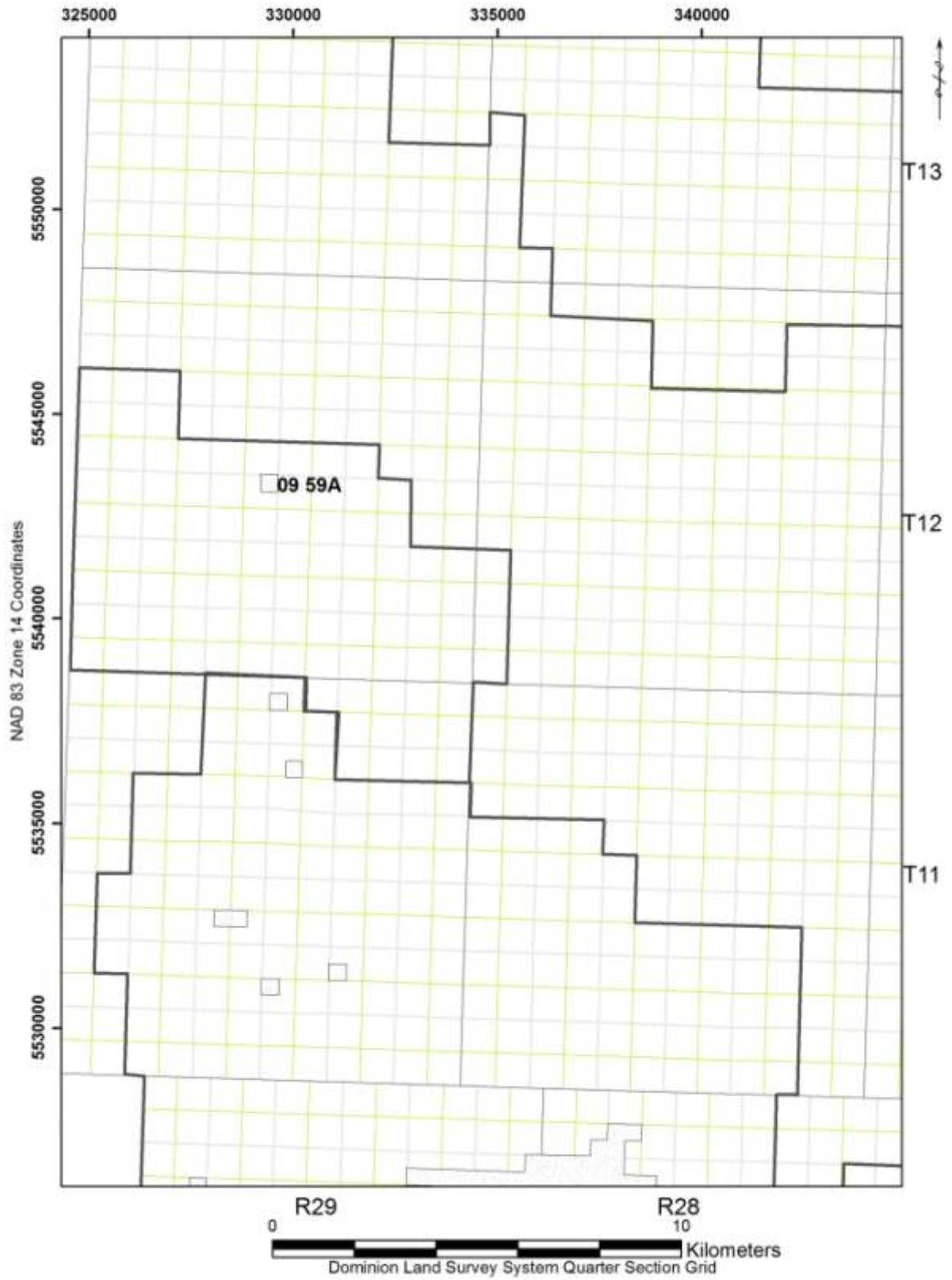




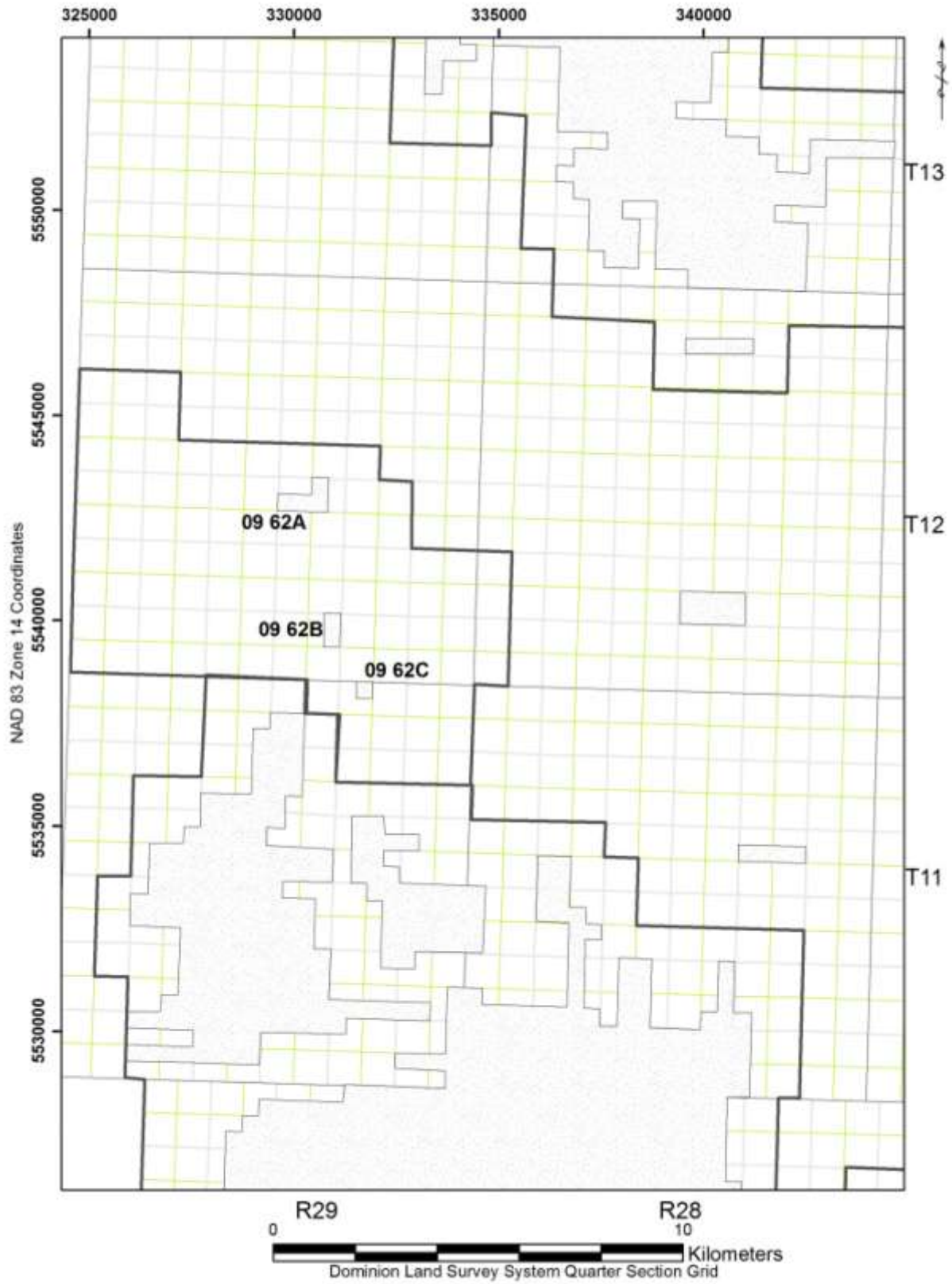
**Figure 33 - Kirkella Lodgepole Daly Pools (09 54A – 09 54E)**



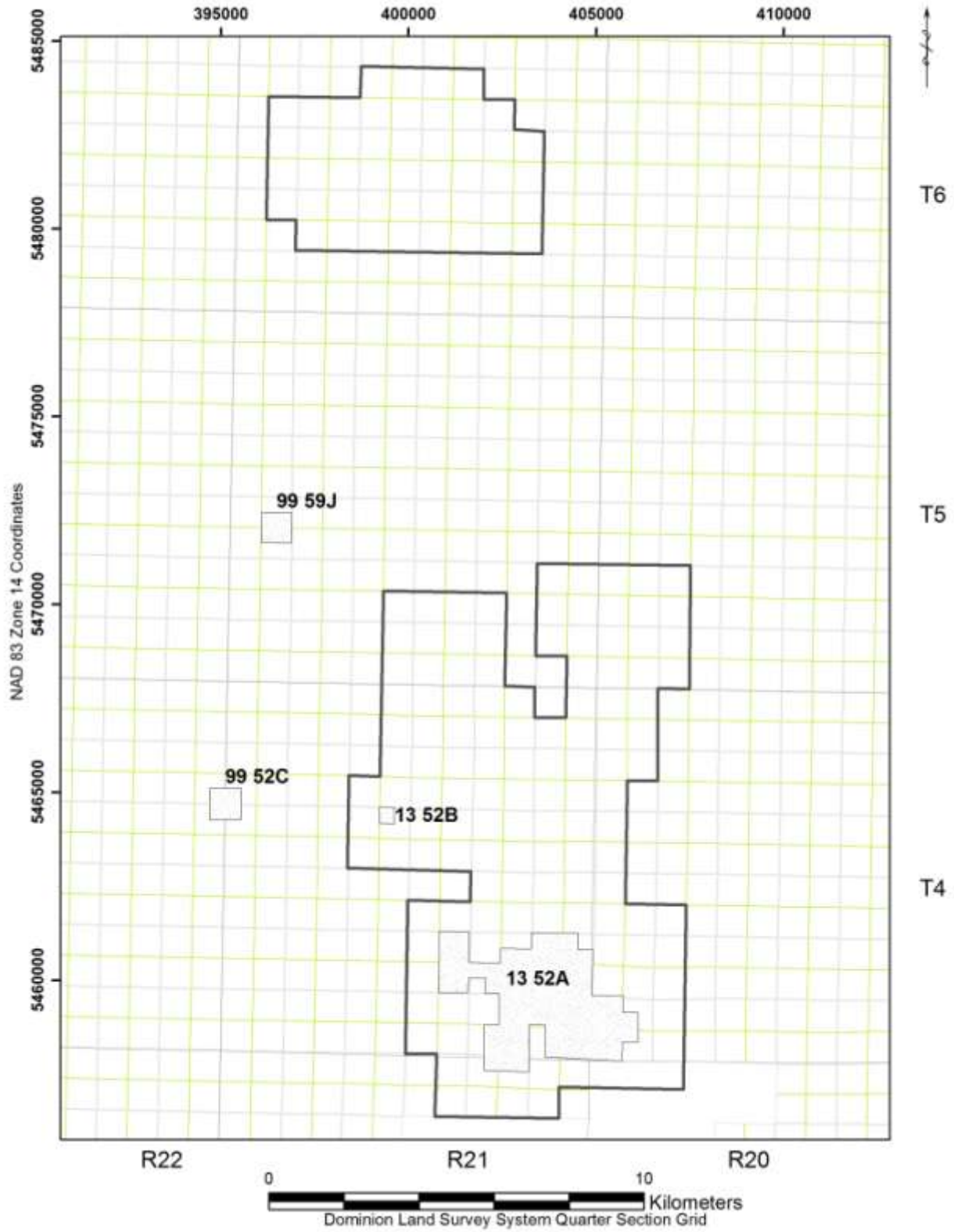
**Figure 34 - Kirkella Lodgepole Crinoidal Pools (09 55A – 09 55C)**



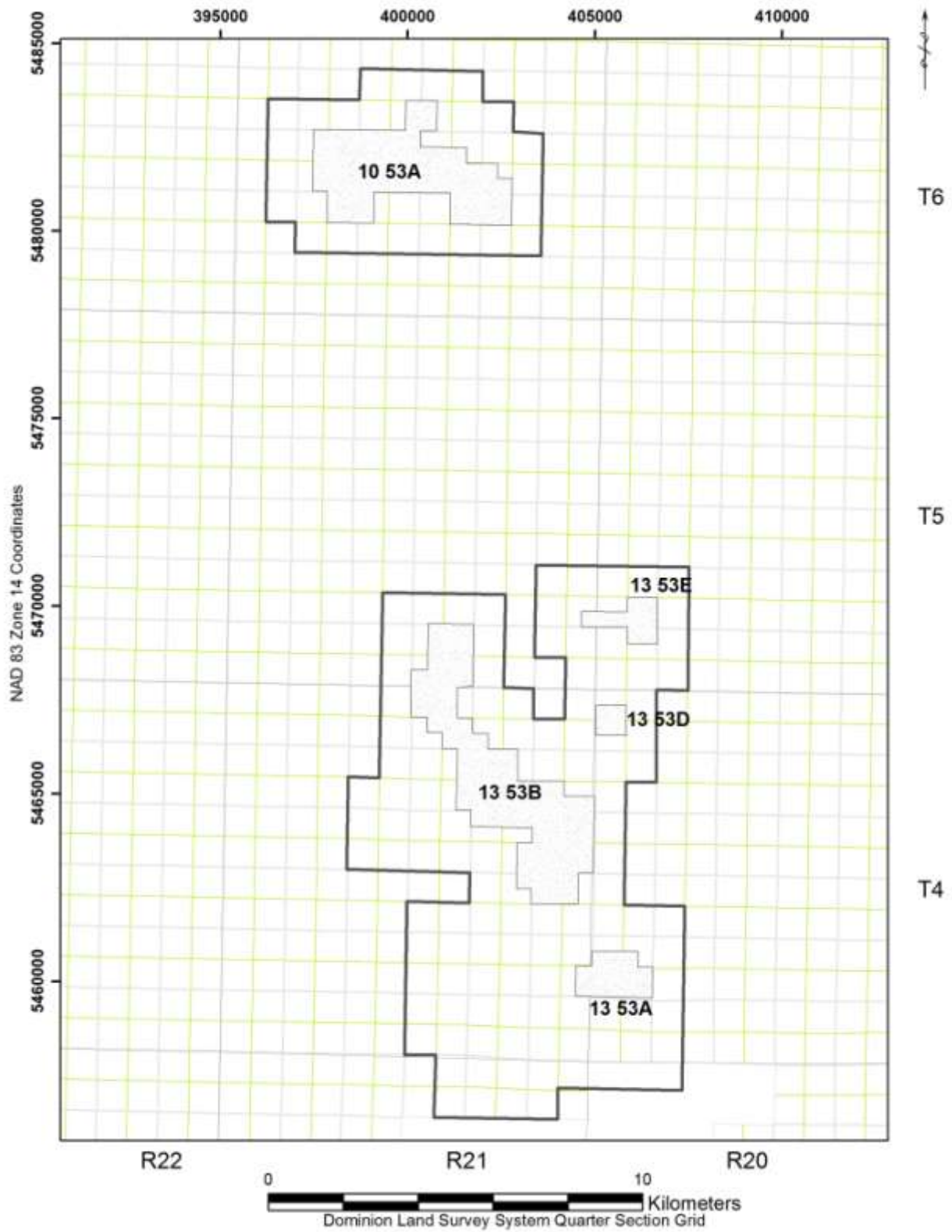
**Figure 35 - Kirkella Lodgepole Pools (09 59A)**



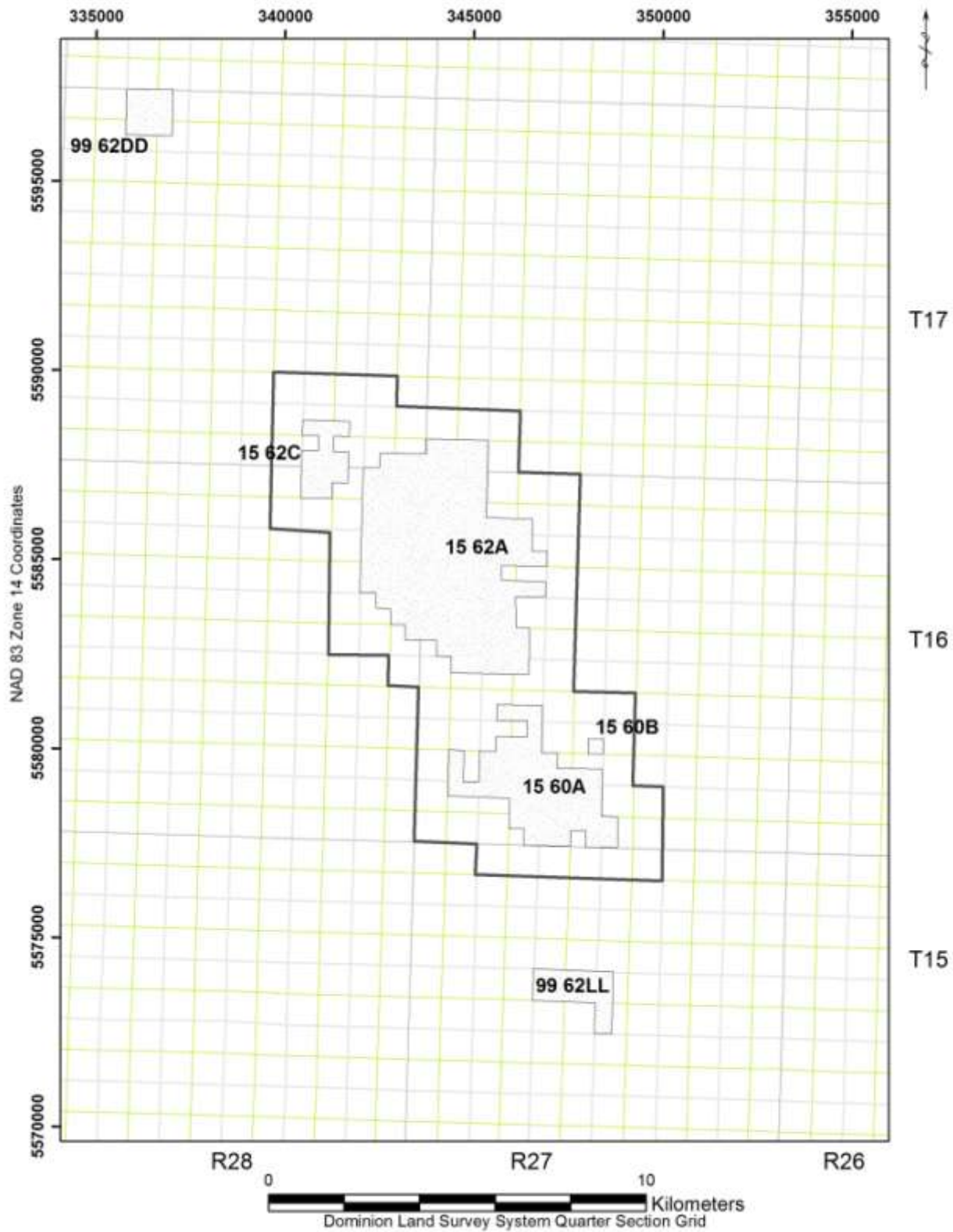
**Figure 36 - Kirkella Bakken-Torquay Pools (09 62A - 09 62C)**



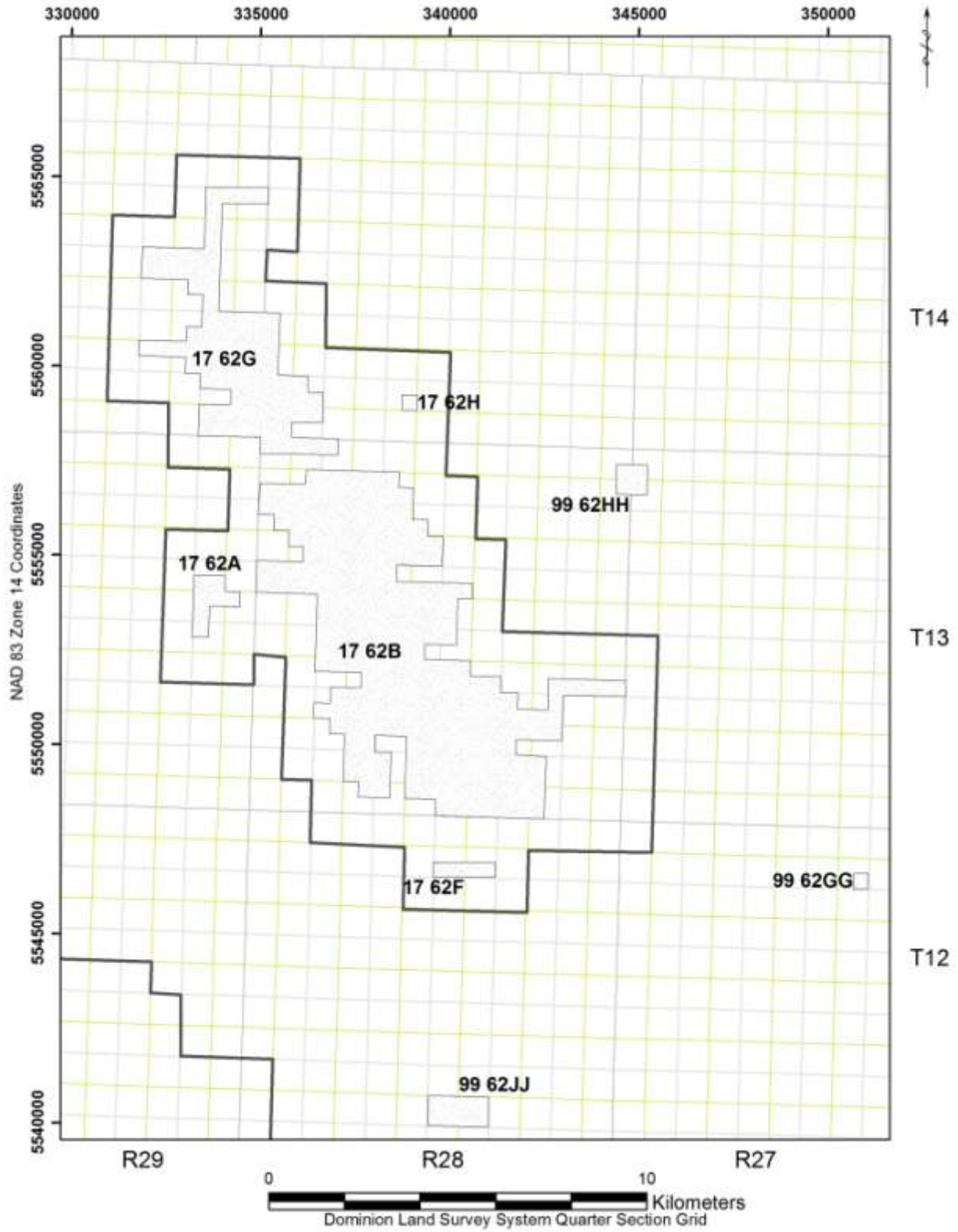
**Figure 37 - Souris Hartney, Regent & Other Areas, Lodgepole Whitewater Lake Pools & Other Areas Lodgepole Pools (13 52A, 13 52B, 99 52C & 99 59J)**



**Figure 38 - Souris Hartney & Regent Lodgepole Virden Pools (10 53A, 13 53A-E)**

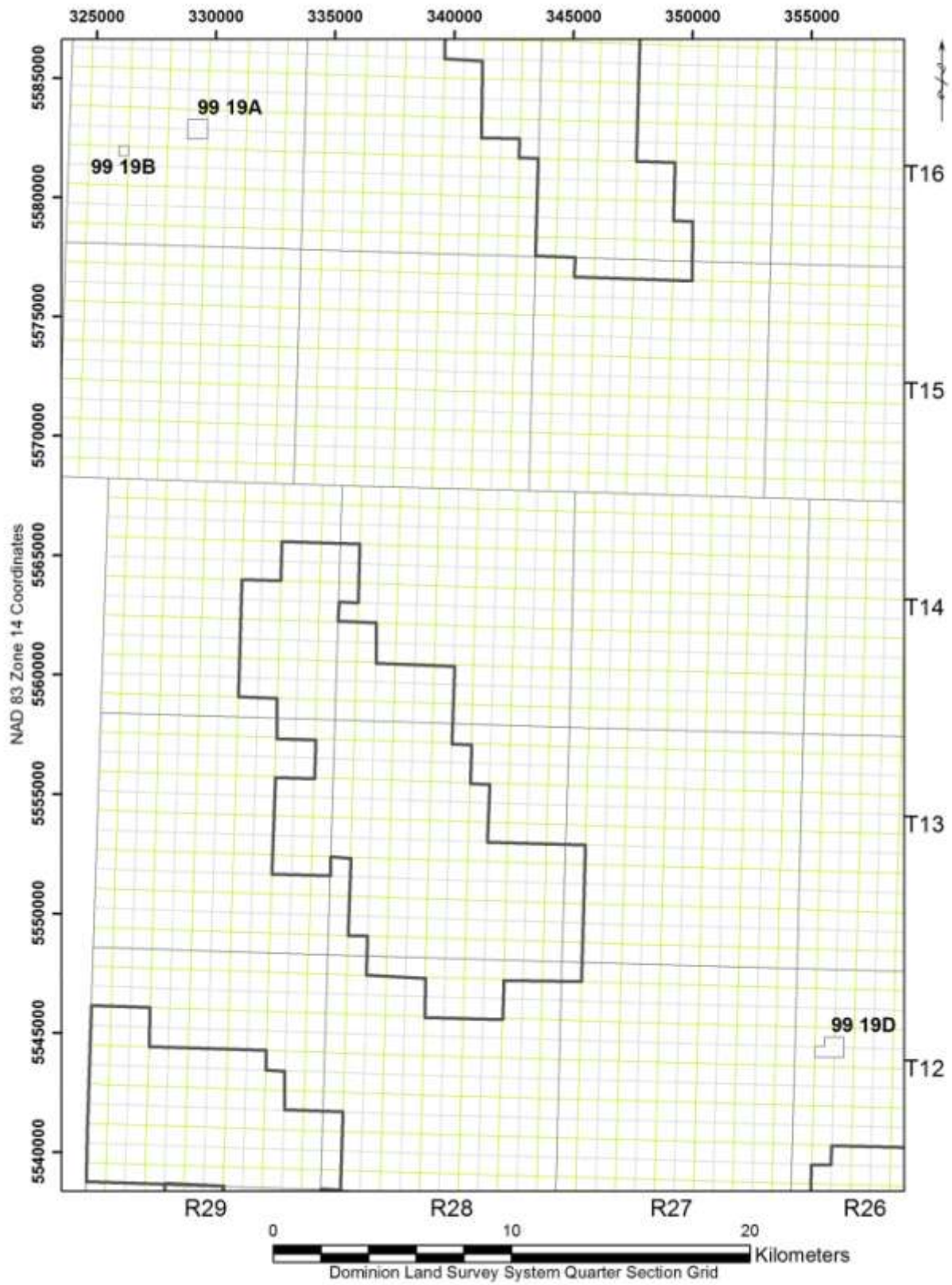


**Figure 39 - Birdtail & Other Areas Bakken & Bakken-Torquay Pools  
(15 60A – 15 60E, 15 62A - 15 62B, 99 62DD & 99 62LL)**



**Figure 40 - Manson & Other Areas Bakken-Torquay Pools  
(17 62A - 17 62H, 99 62GG, 99 62HH & 99 62JJ)**





**Figure 41 - Other Areas Melita A, B & D Pools  
(99 19A, 99 19B & 99 19D)**

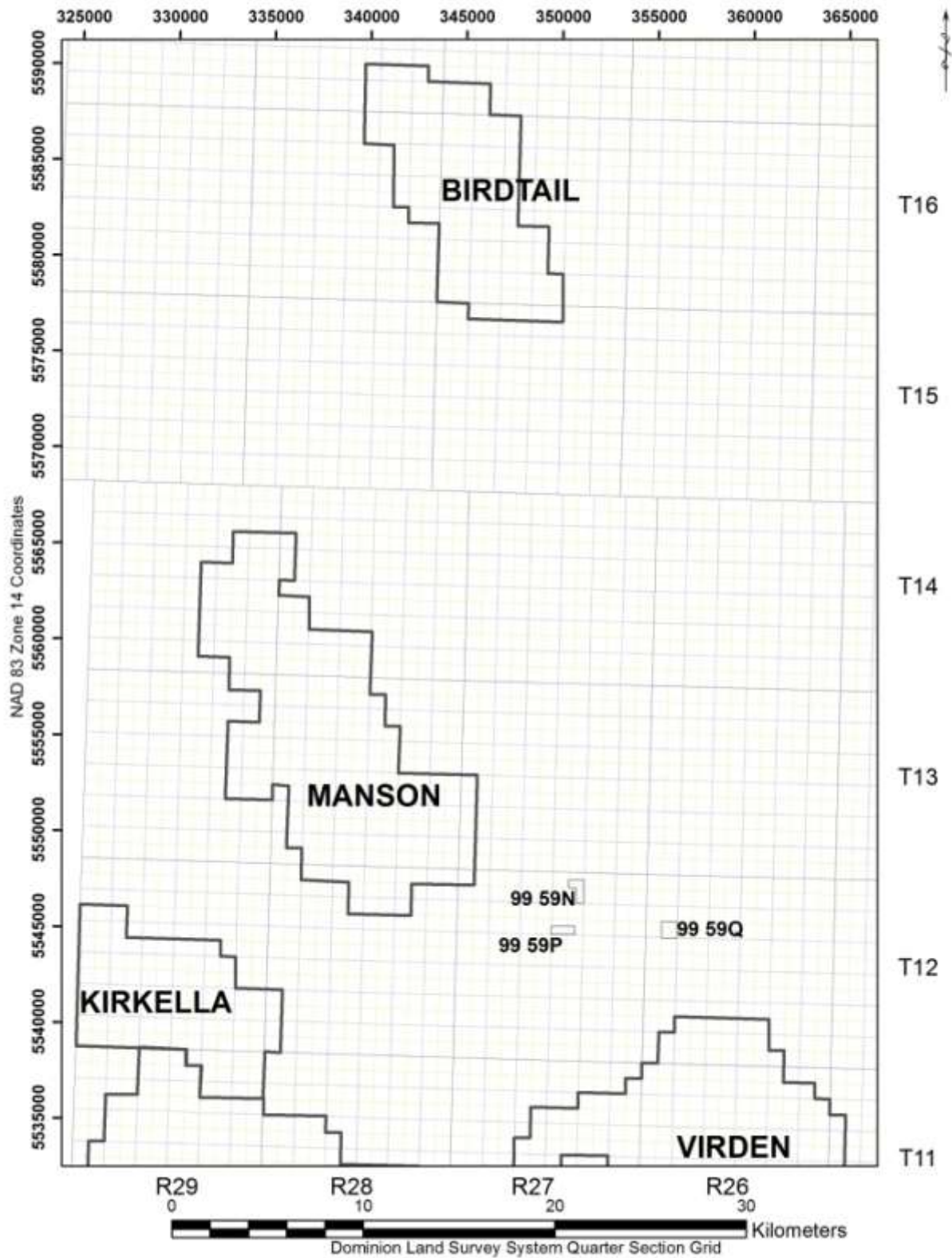


Figure 42 - Other Areas Lodgepole Undifferentiated N, P & Q Pools

(99 59N, 99 59P & 99 59Q)

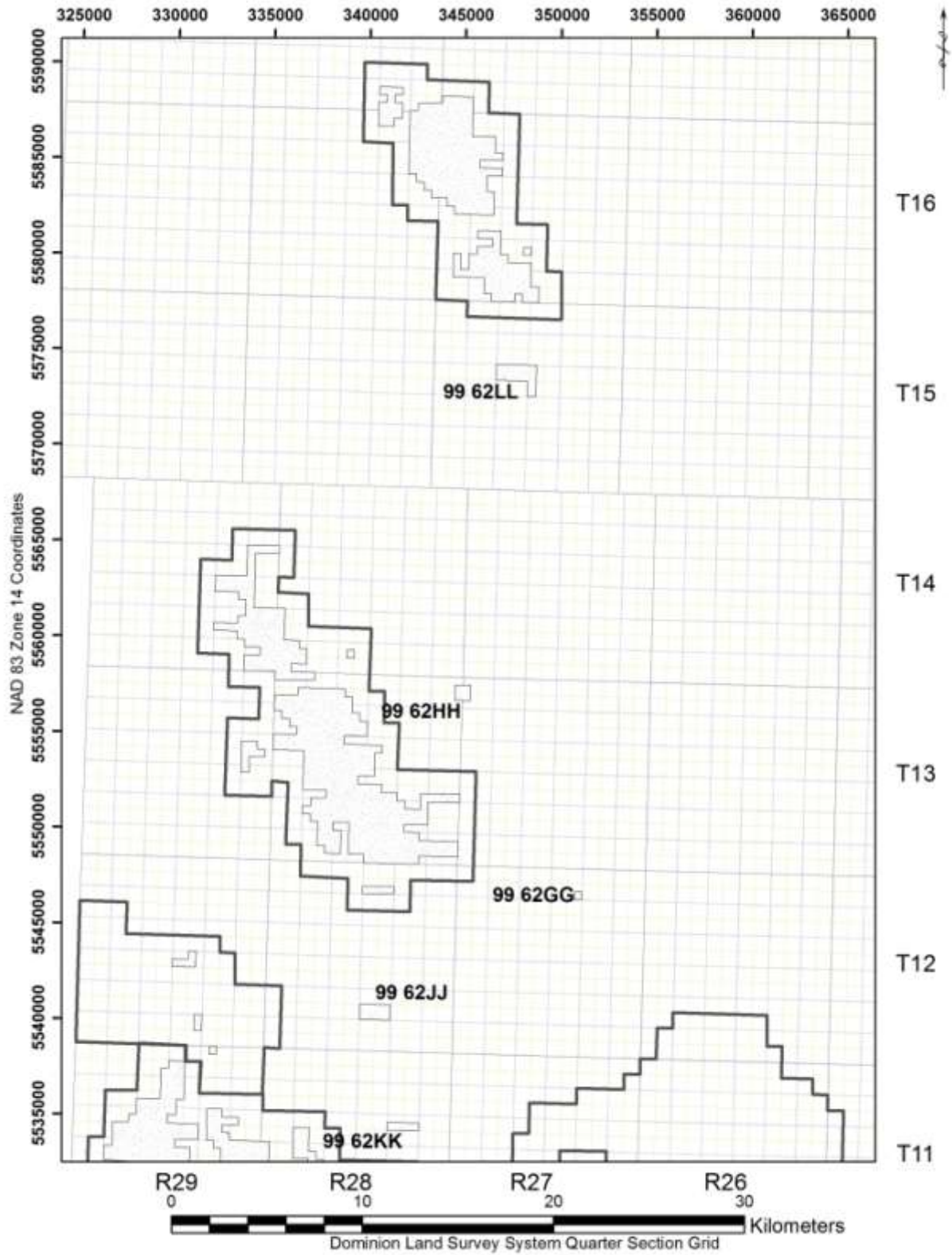
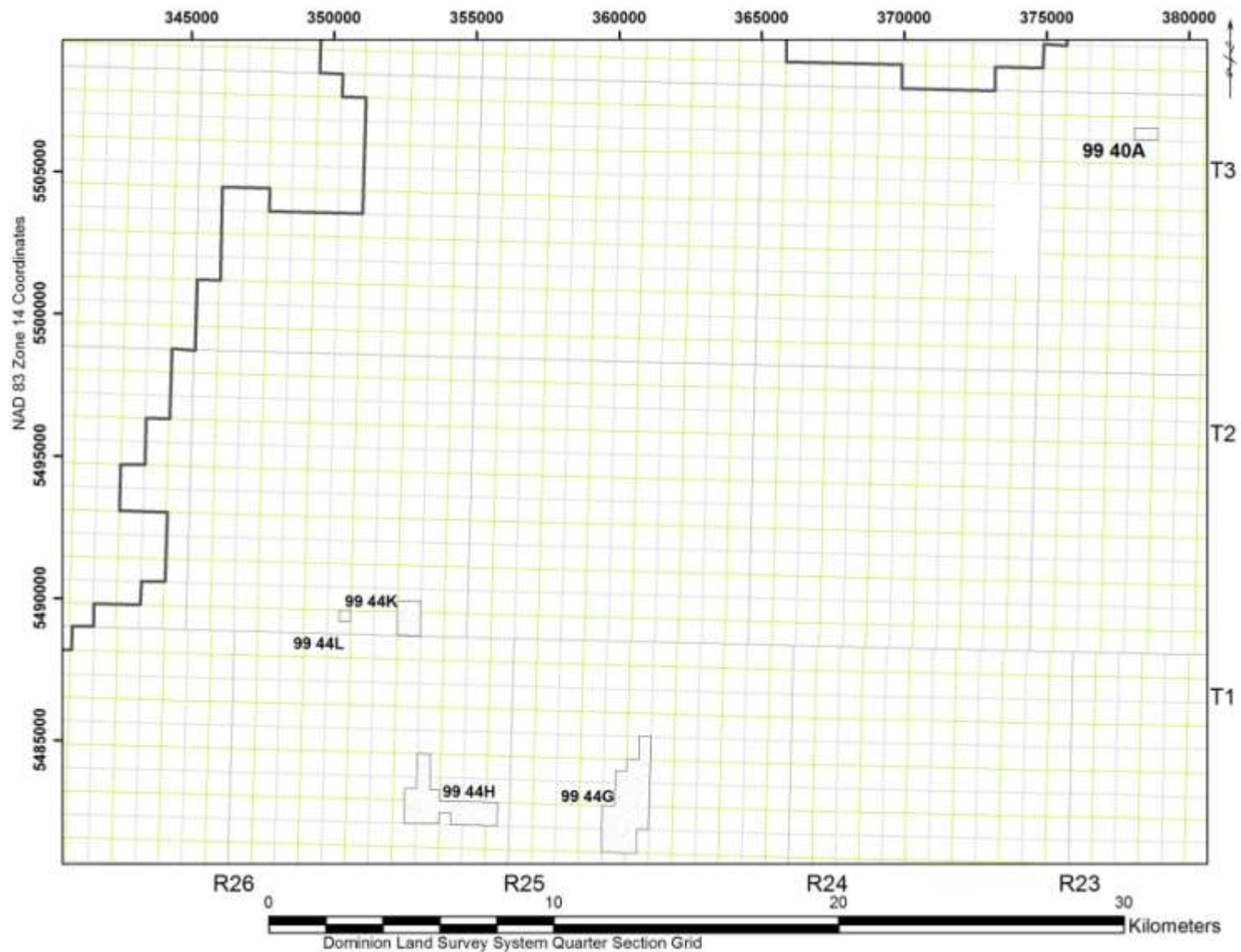
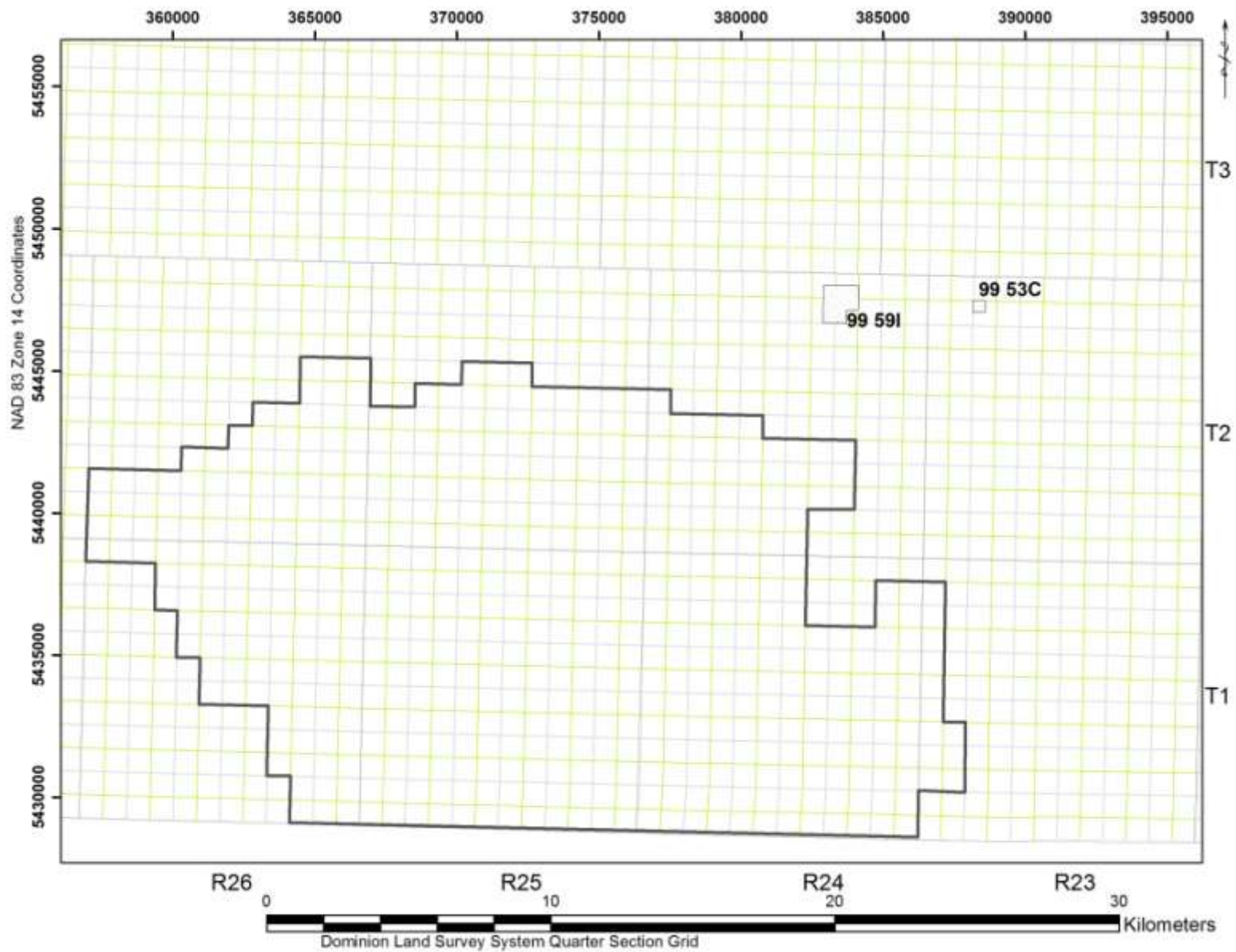


Figure 43 - Other Areas Bakken-Torquay Pools (99 62GG, HH, JJ, KK & LL)



**Figure 44 - Other Areas Mission Canyon 1 G, H, K, L (99 44G, H, K, L)  
& Lower Amaranth-Lodgepole Pools (99 40A)**

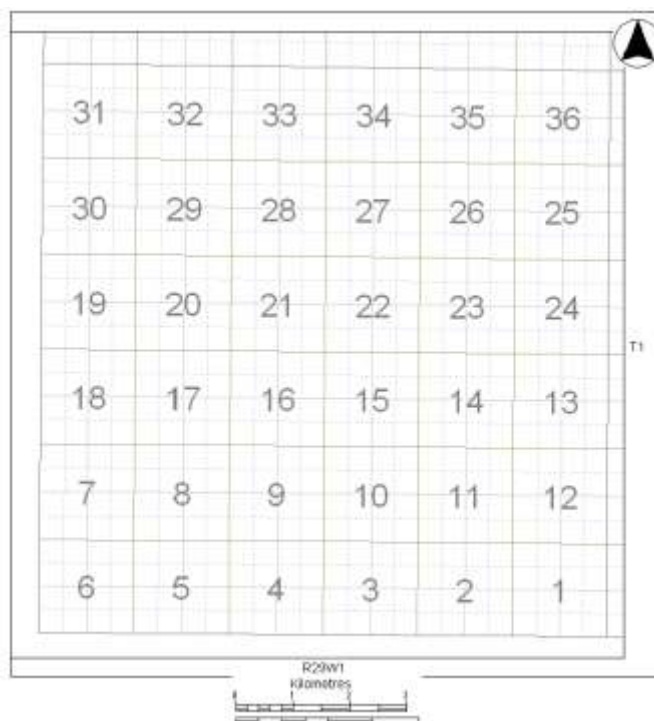


**Figure 45 - Other Areas Lodgepole Virden C & Lodgepole Undifferentiated I Pools (99 53C, 99 59I)**

## APPENDIX A - Grid and scale

The grid used in all the field and pool maps within this report are in the Dominion Land Survey System (DLS) for western Canada and north is always to the top of the map. The Prairie Provinces are divided north and south into 5 areas separated by meridians. The first or Principal meridian is in Manitoba and it is denoted by W1 or WPM in all Unique Well Identifiers (UWI). The area between meridians is divided into ranges (R) each 6 miles wide. These ranges are cross-divided by township lines which run east-west six miles apart, to form townships (T) six miles square. See Figure 1.

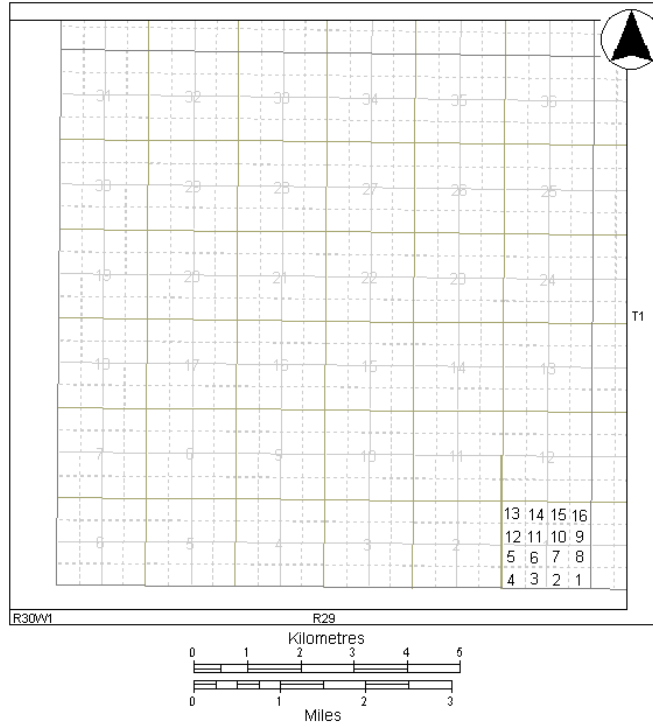
Each Township is divided into Sections (Sec) one mile square (640 acres per section) and there are 36 sections in a Township, 6 sections wide by 6 sections high. Each Section is numbered as shown in Figure 47:



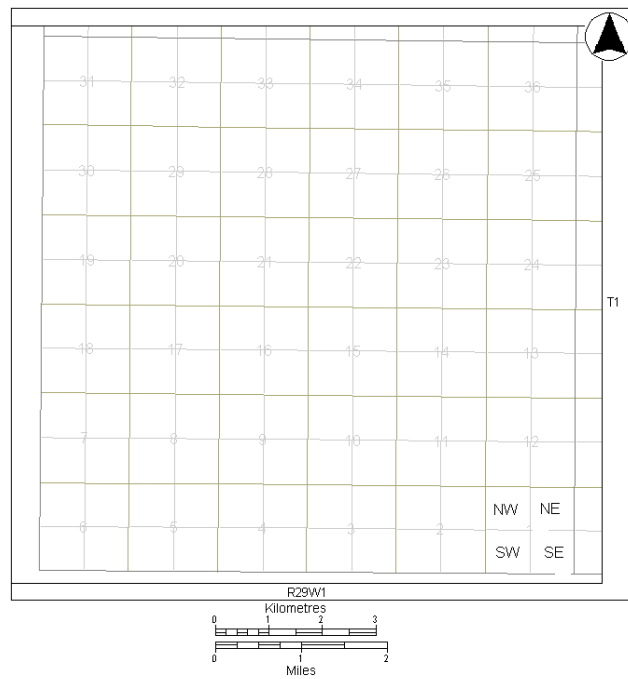
**Figure 46 - Sections in a Township.**

Each Section is divided into 16 legal subdivisions (Lsd), 4 Lsd's wide by 4 Lsd's high, each 402.36m square or 40 acres. Pool boundaries are adjusted by Lsd. Each Lsd is numbered as shown in section 1 of Figure 46. Each section can also be split into  $\frac{1}{4}$  sections as shown in Figure 49. This is important to note as field boundaries are adjusted by  $\frac{1}{4}$  section. Each  $\frac{1}{4}$  section consists of 4 Lsd's and a  $\frac{1}{4}$  section is 804.72m square or 160 acres.

A map reference is given in the format of a legal survey system reference, Lsd-Sec-Township-Range W1, i.e. 02-09-010-29W1. This is incorporated into the Unique Well Identifier (UWI) a code used to identify each oil well in Manitoba. A UWI is coded as: 'Survey system code' 'Location' 'Exception code'/legal survey system/event sequence code i.e. 100/16-09-010-09W1/00. The DLS system is always represented by a designated code of 01.



**Figure 47 - Legal subdivisions in a section.**



**Figure 48 - Quarter Section illustration.**

**APPENDIX B - Manitoba Pool Codes**

<b>CODE</b>	<b>FORMATION OR MEMBER</b>	<b>CODE</b>	<b>FORMATION OR MEMBER</b>
10	Favel Formation		
11	Ashville Formation, Newcastle Member	59	Lodgepole, undifferentiated
15	Swan River Formation	60	Bakken Formation
19	Melita Formation	62	Bakken – Torquay formations
26	Triassic, undifferentiated	65	Torquay Formation
29	Lower Amaranth, undifferentiated	71	Birdbear Formation
35	Lower Amaranth – Mission Canyon Formation, MC3b	72	Duperow Formation
39	Mississippian Undifferentiated	73	Souris River Formation
40	Lower Amaranth – Lodgepole undifferentiated	74	Dawson Bay Formation
41	Mission Canyon Formation, MC-3 Member, undifferentiated	75	Prairie Evaporite Formation
42	Mission Canyon Formation, MC-3b	76	Winnipegosis Formation (formerly 75)
43	Mission Canyon Formation, MC-3a	78	Devonian, undifferentiated (formerly 79)
44	Mission Canyon Formation, MC-1 Member	79	Silurian, Interlake Group
49	Mission Canyon Formation, undifferentiated	80	Stonewall Formation
51	Lodgepole Formation, dolomitic	81	Stony Mountain Formation
52	Lodgepole Formation, Whitewater Lake Member	82	Red River Formation
53	Lodgepole Formation, Virden Member	85	Winnipeg Formation
54	Lodgepole Formation, Daly Member	89	Ordovician, undifferentiated
55	Lodgepole Formation, Crinoidal Cruickshank facies	90	Cambrian, Deadwood Formation
56	Lodgepole Formation, Scallion Member(formerly 55)		

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