APPENDIX A
ADDITIONAL FIGURES

Figure 2-4. Land Cover – Flathead Lake Basin
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Figure 2-6. Land Cover – North Fork Basin
Figure 2-7. Land Cover – South Fork Basin
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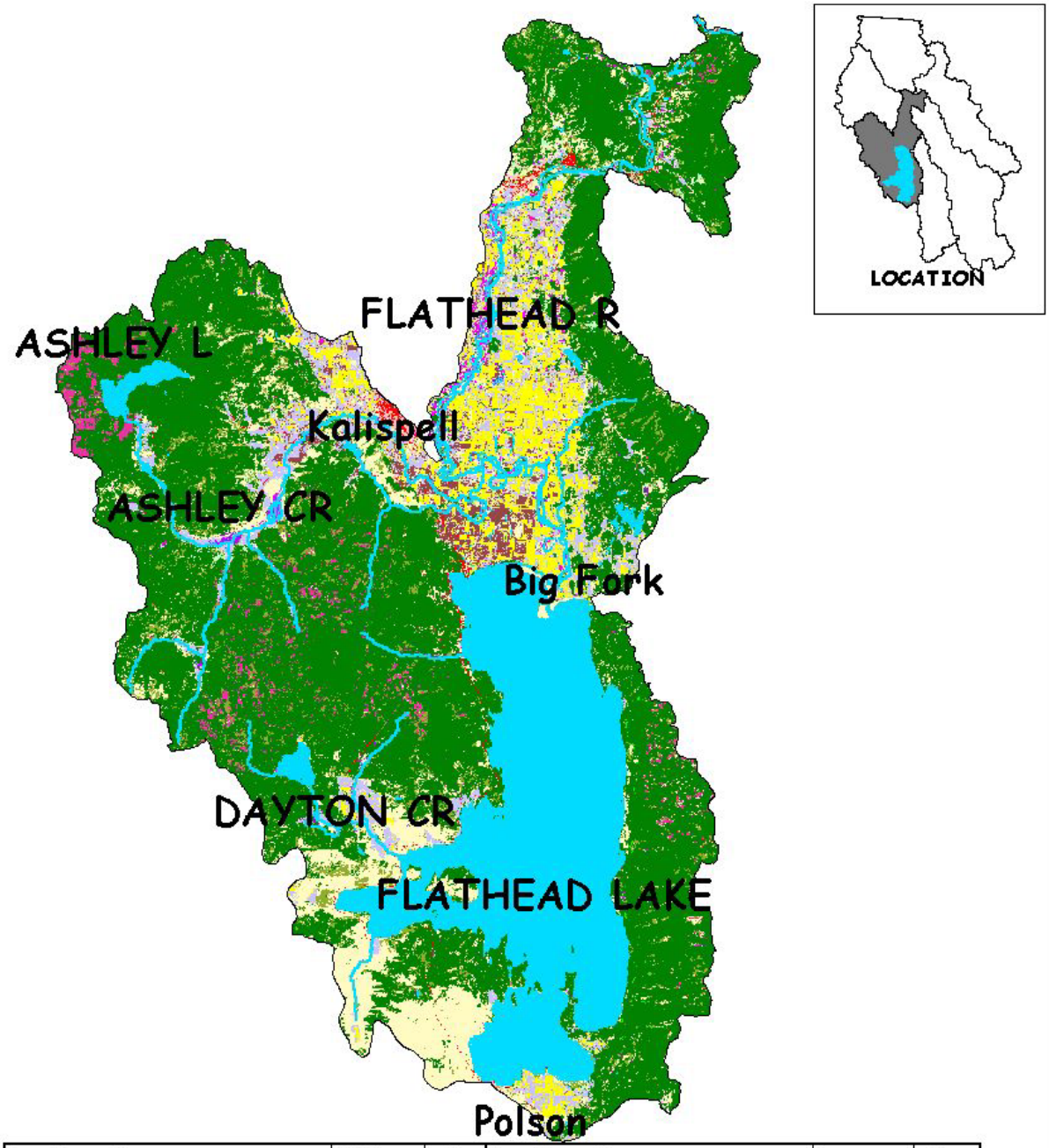

Land Cover Type	Acres	%	Land Cover Type	Acres	%
Open Water	135246	18.57	Shrubland	36785	5.05
Perennial Ice/Snow	48	0.01	Orchards/Vineyards/Others	0	0.00
Low Intensity Resid.	2494	0.34	Grassland/Herbaceous	72186	9.91
High Intensity Resid.	22	0.00	Pasture/Hay	38022	5.52
Commercial/Industrial/Trans.	3264	0.45	Row Crops	0	0.00
Bare Rock/Sand/Clay	748	0.10	Small Grains	37127	5.10
Quarries/Strip Mines/Gravel	0	0.00	Fallow	11354	1.56
Transitional	9978	1.37	Urban/Recreational Grasses	273	0.04
Deciduous Forest	3764	0.52	Woody Wetlands	4319	0.59
Evergreen Forest	371483	51.01	Emergent Herb. Wetland	928	0.13
Mixed Forest	273	0.04			

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Figure 2-4. Land Cover - Flathead Lake Basin.

Source: USGS National Land Cover Dataset based on 1992 Landsat Thematic Mapper Imagery.

By: RFS

Date: 2/5/01

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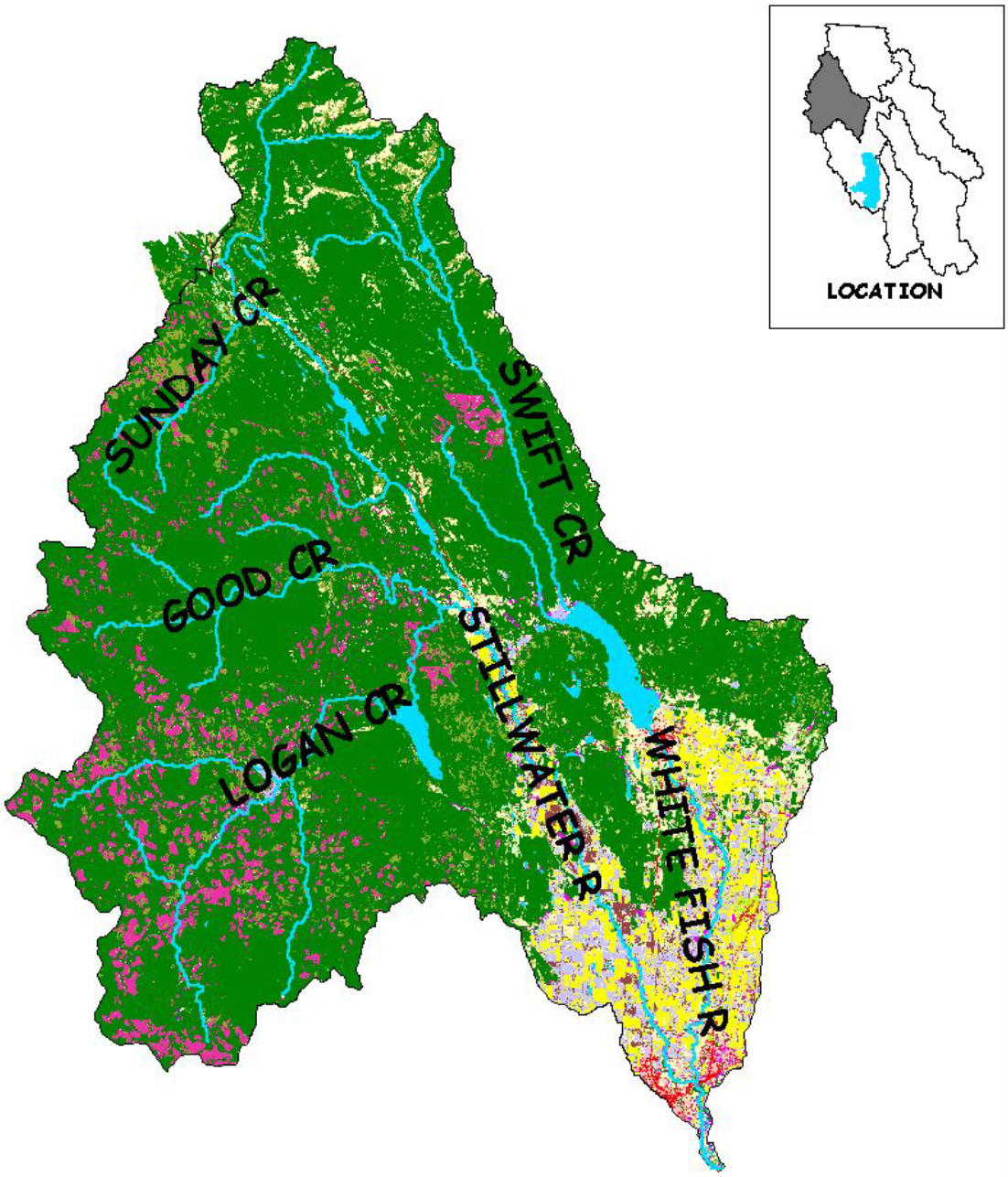

Land Cover Type	Acres	%	Land Cover Type	Acres	%
Open Water	7709	1.47	Shrubland	30805	5.89
Perennial Ice/Snow	8	0.00	Orchards/Vineyards/Others	0	0.00
Low Intensity Resid.	3143	0.60	Grassland/Herbaceous	27709	5.29
High Intensity Resid.	13	0.00	Pasture/Hay	17887	3.42
Commercial/Industrial/Trans.	2500	0.48	Row Crops	0	0.00
Bare Rock/Sand/Clay	552	0.11	Small Grains	21760	4.16
Quarries/Strip Mines/Gravel	0	0.00	Fallow	5789	1.11
Transitional	27496	5.25	Urban/Recreational Grasses	460	0.09
Deciduous Forest	4219	0.81	Woody Wetlands	3214	0.61
Evergreen Forest	369836	70.67	Emergent Herb. Wetland	215	0.04
Mixed Forest	1	0.00			

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Figure 2-5. Land Cover - Stillwater Basin.

Source: USGS National Land Cover Dataset based on 1992 Landsat Thematic Mapper Imagery.

By: RFS

Date: 2/5/01

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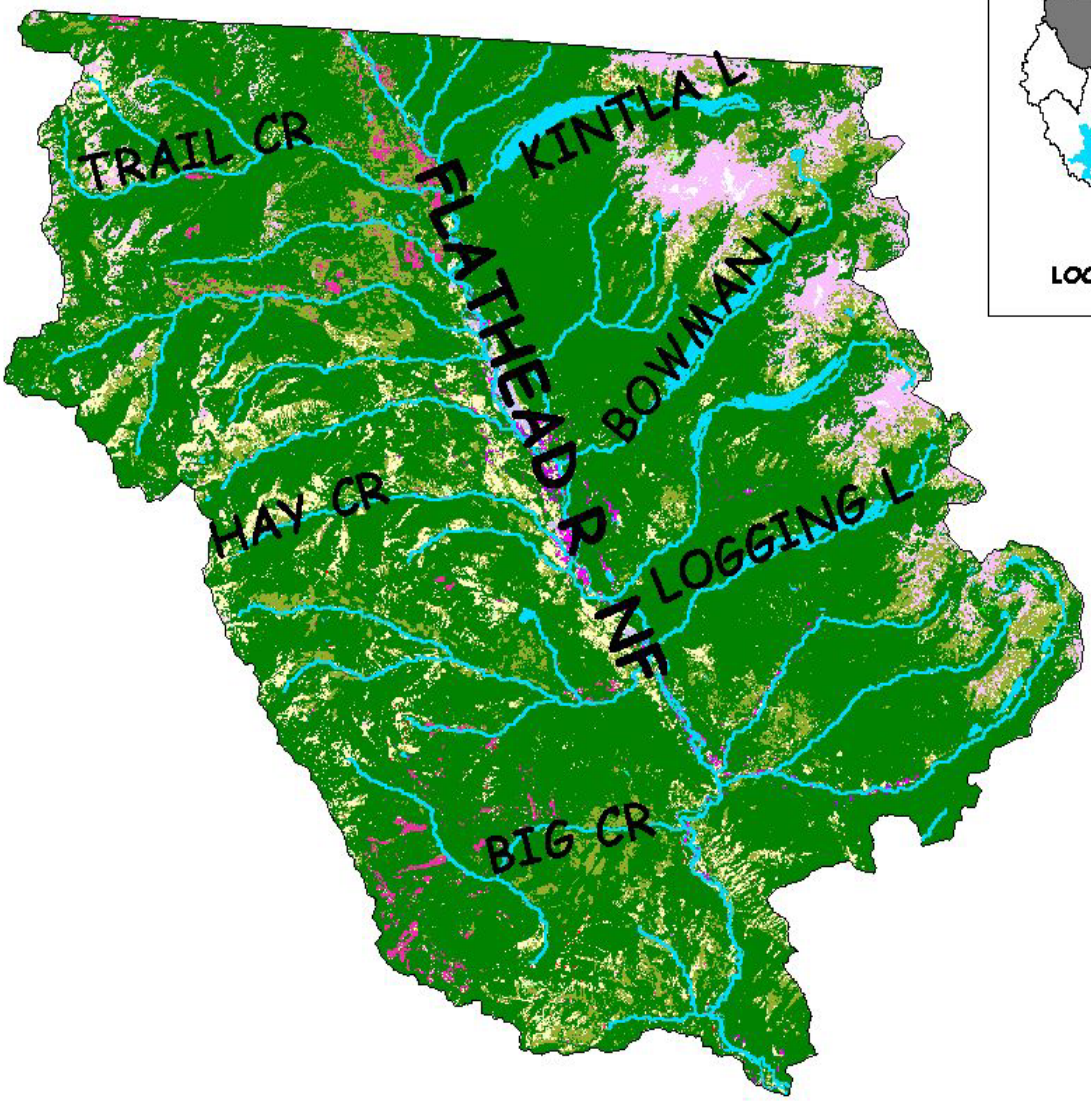

Land Cover Type	Acres	%	Land Cover Type	Acres	%
Open Water	10,863	1.77	Shrubland	59,924	9.79
Perennial Ice/Snow	1,152	0.19	Orchards/Vineyards/Others	0	0.00
Low Intensity Resid.	10	0.00	Grassland/Herbaceous	36,910	6.03
High Intensity Resid.	0	0.00	Pasture/Hay	1,230	0.20
Commercial/Industrial/Trans.	238	0.04	Row Crops	0	0.00
Bare Rock/Sand/Clay	26,487	4.33	Small Grains	0	0.00
Quarries/Strip Mines/Gravel	0	0.00	Fallow	0.2	0.00
Transitional	5,110	0.84	Urban/Recreational Grasses	6	0.00
Deciduous Forest	2,354	0.38	Woody Wetlands	2,586	0.42
Evergreen Forest	464,498	75.89	Emergent Herb. Wetland	589	0.10
Mixed Forest	89	0.01			

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Figure 2-6. Land Cover - North Fork Flathead Basin.

Source: USGS National Land Cover Dataset based on 1992 Landsat Thematic Mapper Imagery.

By: RFS

Date: 2/2/01

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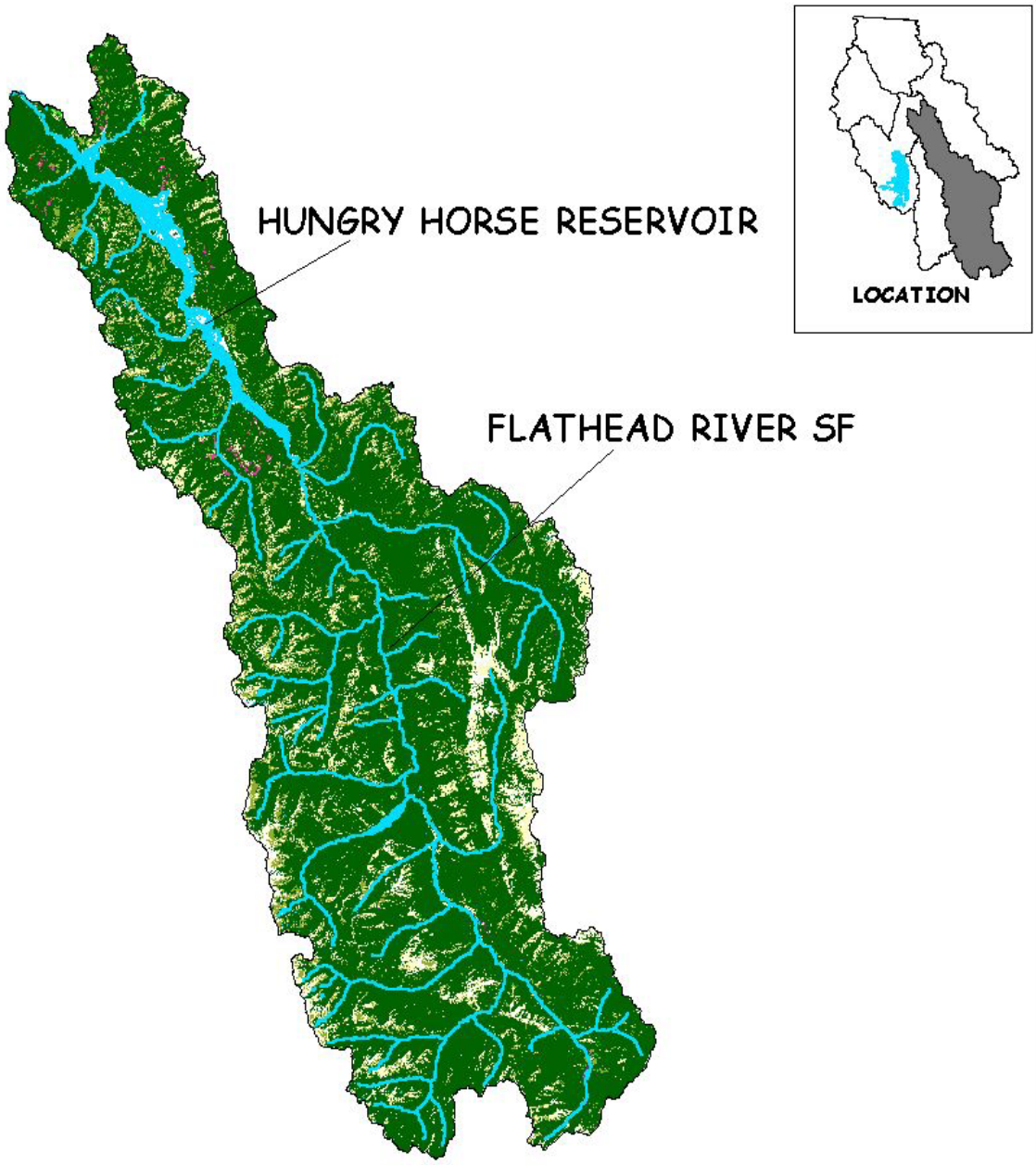

Land Cover Type	Acres	%	Land Cover Type	Acres	%
Open Water	24095	2.26	Shrubland	67113	6.28
Perennial Ice/Snow	531	0.05	Orchards/Vineyards/Others	28	0.00
Low Intensity Resid.	59	0.01	Grassland/Herbaceous	81145	7.60
High Intensity Resid.	0	0.00	Pasture/Hay	11	0.00
Commercial/Industrial/Trans.	109	0.01	Row Crops	0	0.00
Bare Rock/Sand/Clay	34455	3.23	Small Grains	0	0.00
Quarries/Strip Mines/Gravel	0	0.00	Fallow	3	0.00
Transitional	1997	0.19	Urban/Recreational Grasses	2	0.00
Deciduous Forest	1299	0.12	Woody Wetlands	1042	0.10
Evergreen Forest	855122	80.06	Emergent Herb. Wetland	46	0.00
Mixed Forest	1024	0.10			

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Figure 2-7. Land Cover - South Fork Flathead Basin.

Source: USGS National Land Cover Dataset based on 1992 Landsat Thematic Mapper Imagery.

By: RFS

Date: 2/5/01

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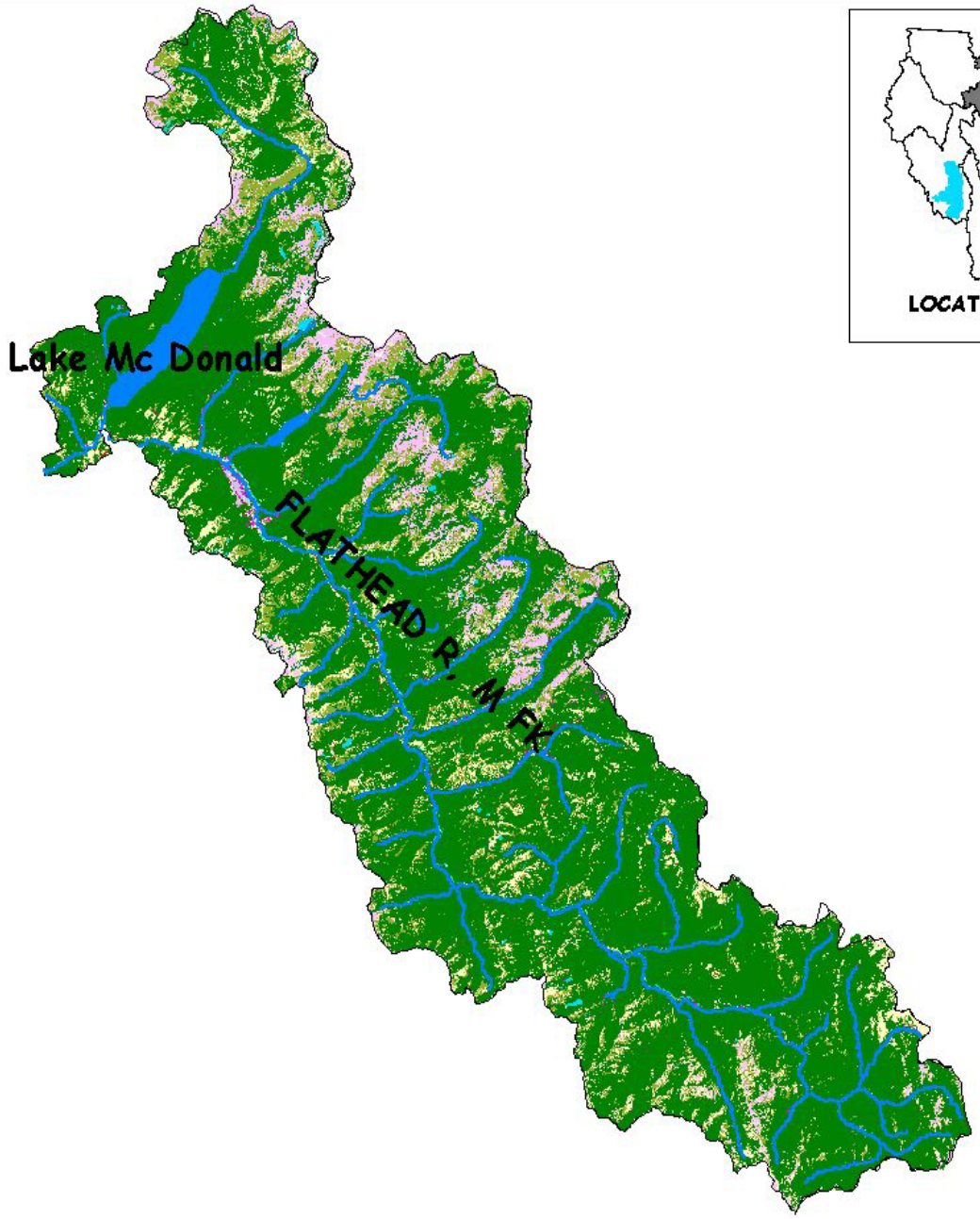

Land Cover Type	Acres	%	Land Cover Type	Acres	%
Open Water	11657	1.61	Shrubland	68253	9.45
Perennial Ice/Snow	924	0.13	Orchards/Vineyards/Others	0	0.00
Low Intensity Resid.	20	0.00	Grassland/Herbaceous	48013	6.65
High Intensity Resid.	0	0.00	Pasture/Hay	490	0.07
Commercial/Industrial/Trans.	847	0.12	Row Crops	0	0.00
Bare Rock/Sand/Clay	39311	5.44	Small Grains	0	0.00
Quarries/Strip Mines/Gravel	0	0.00	Fallow	0	0.00
Transitional	0	0.00	Urban/Recreational Grasses	3	0.00
Deciduous Forest	3688	0.51	Woody Wetlands	2266	0.31
Evergreen Forest	546407	75.62	Emergent Herb. Wetland	112	0.02
Mixed Forest	535	0.07			

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Figure 2-8. Land Cover - MIDDLE FORK FLATHEAD BASIN

Source: USGS National Land Cover Dataset based on 1992 Landsat Thematic Mapper Imagery.

By: RFS

Date: 2/5/01

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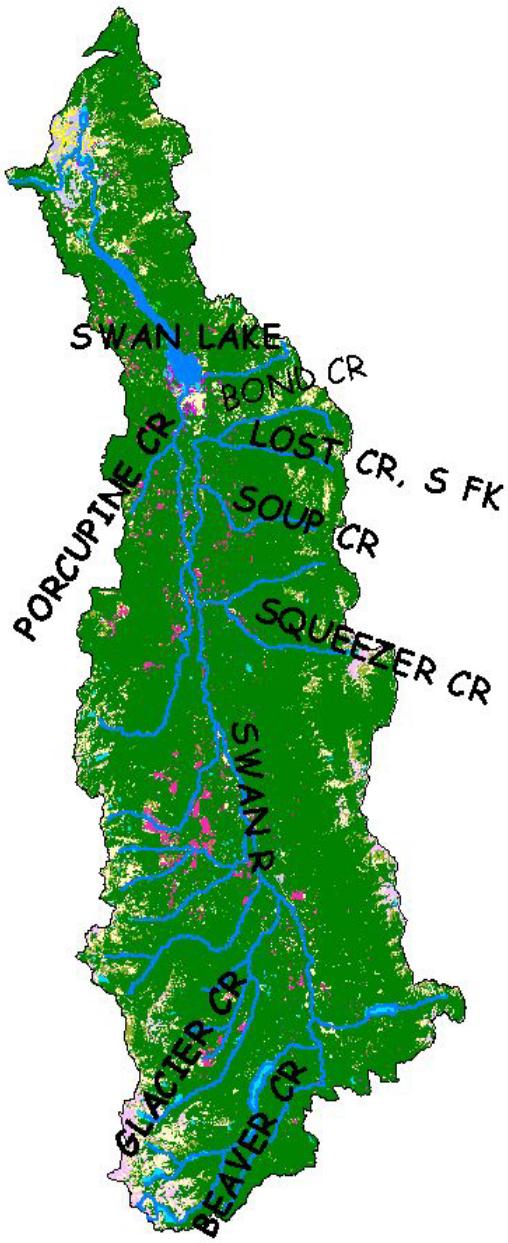

Land Cover Type	Acres	%	Land Cover Type	Acres	%
Open Water	9,848	2.10	Shrubland	20,808	4.45
Perennial Ice/Snow	154	0.03	Orchards/Vineyards/Others	7.6	0.00
Low Intensity Resid.	28	0.01	Grassland/Herbaceous	26,370	5.63
High Intensity Resid.	3.4	0.00	Pasture/Hay	2,760	0.59
Commercial/Industrial/Trans.	67	0.01	Row Crops	0	0.00
Bare Rock/Sand/Clay	8,886	1.90	Small Grains	963	0.21
Quarries/Strip Mines/Gravel	0	0.00	Fallow	29	0.01
Transitional	7,902	1.69	Urban/Recreational Grasses	26	0.01
Deciduous Forest	781	0.17	Woody Wetlands	1,640	0.35
Evergreen Forest	387,355	82.75	Emergent Herb. Wetland	196	0.04
Mixed Forest	281	0.06			

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Figure 2-9. Land Cover - Swan Basin.

Source: USGS National Land Cover Dataset based on 1992 Landsat Thematic Mapper Imagery.

By: RFS

Date: 2/5/01

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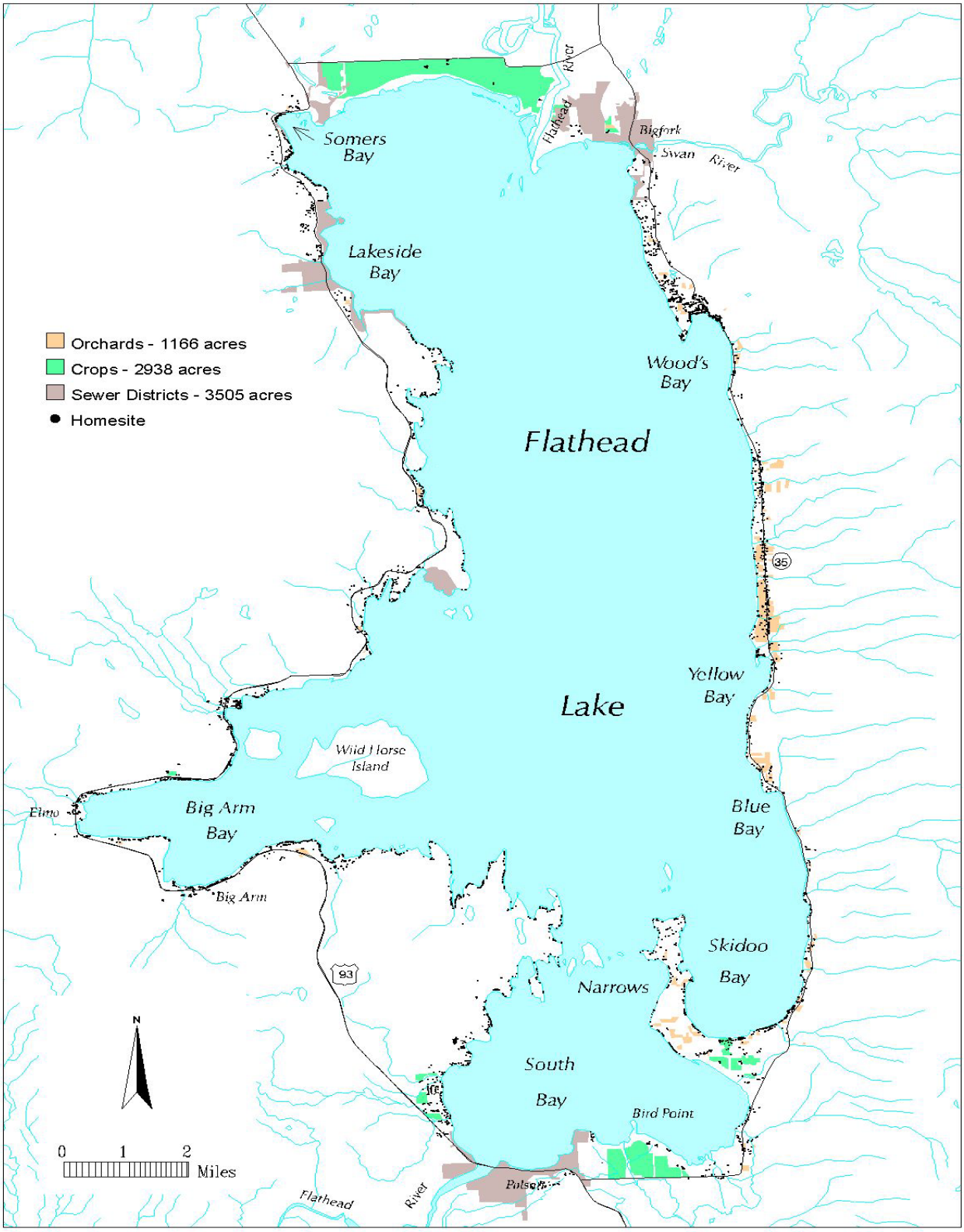

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Figure 2-10. Flathead Lake Land Use - June 1994

Source: Makepeace and Mladenich, 1996.

Figure 2-10

By: MT DEQ

Date: 1996

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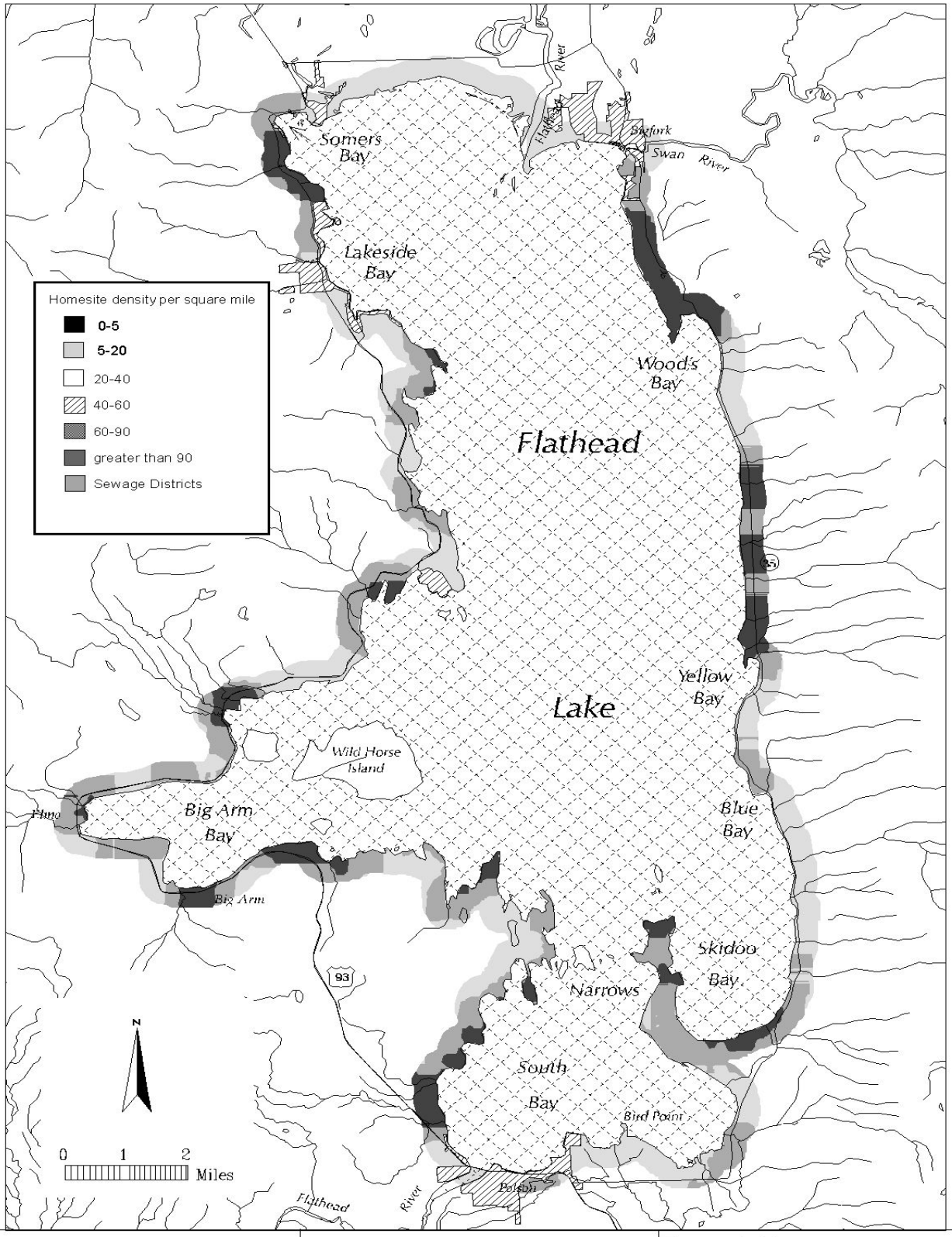

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Figure 2-11. Flathead Lake Homesite Density - June 1994

Source: Makepeace and Mladenich, 1996.

Figure 2-11

By: MT DEQ

Date: 1996

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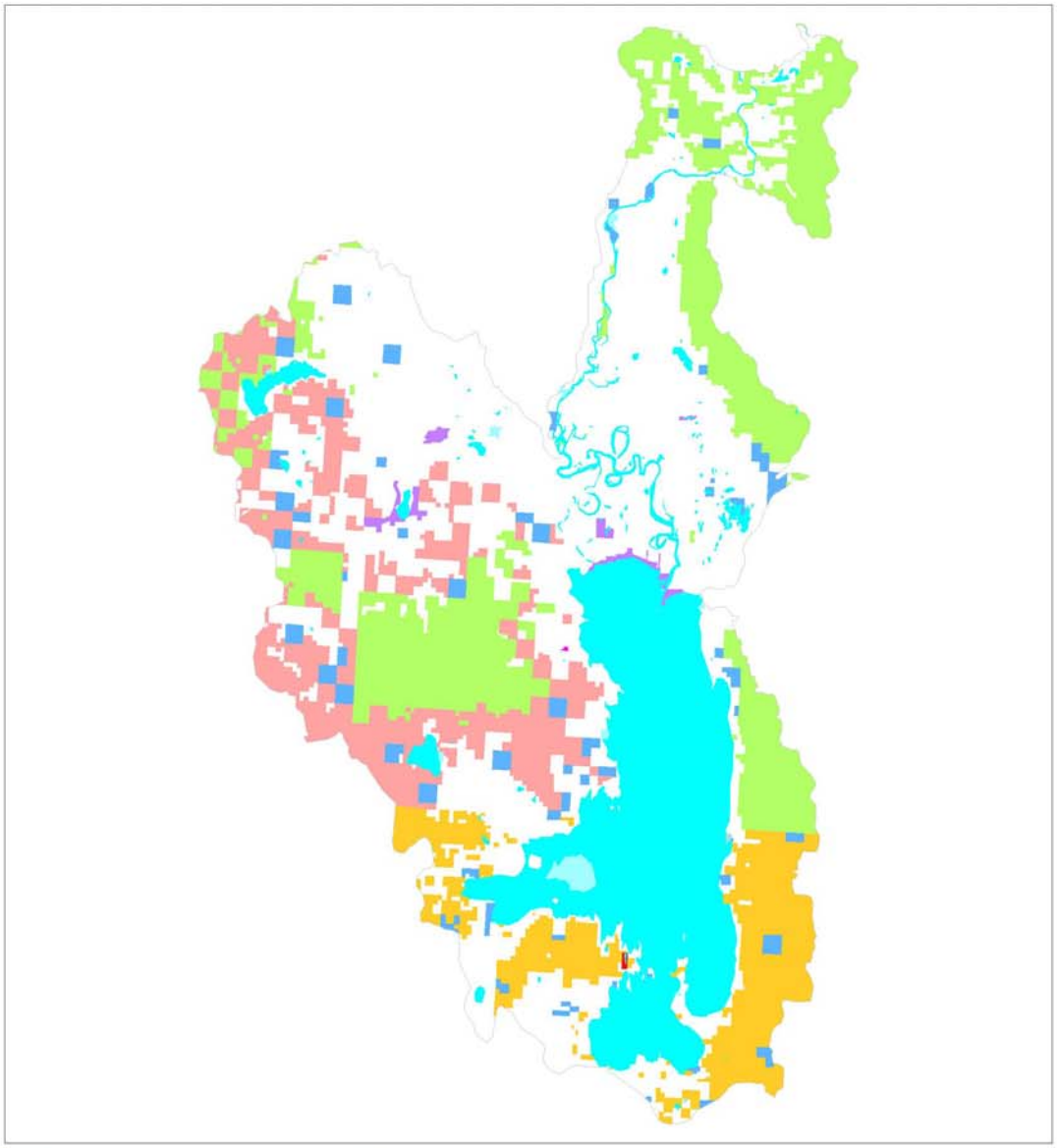

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Private Conservation Lands
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Water

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Figure 2-12. Land Ownership Flathead Lake Basin

Source: Land Ownership and Managed Areas of Montana available from Montana Natural Resource Information System.

MONTANA Natural Resource Information System
Montana State Library – 1515 East 6th Avenue
Helena, Montana – (406) 444-5357

NRIS Map # 01nris365 - 10/3/2001

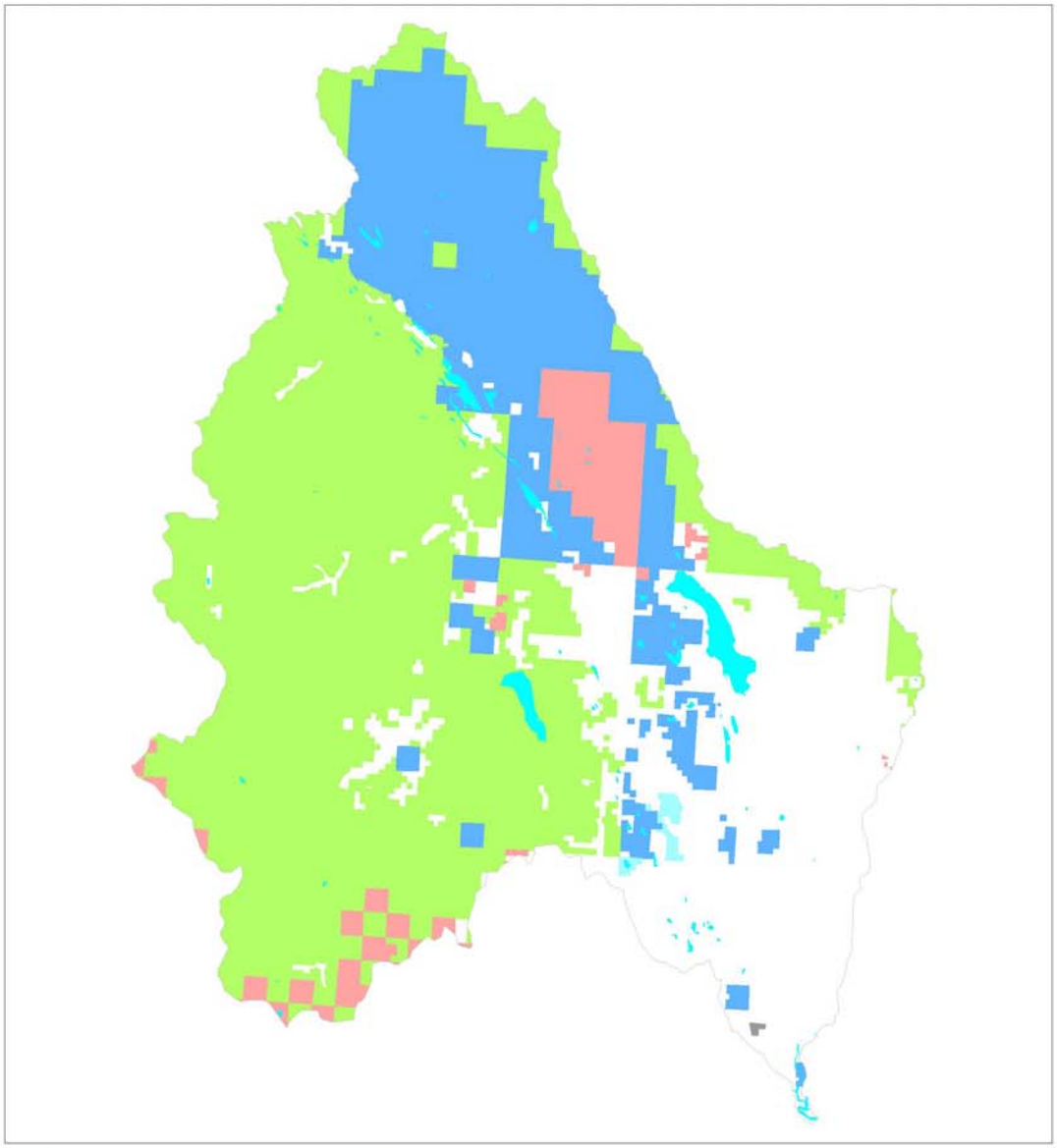

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Figure 2-13. Land Ownership Stillwater/Whitefish Basin

Source: Land Ownership and Managed Areas of Montana available from Montana Natural Resource Information System.

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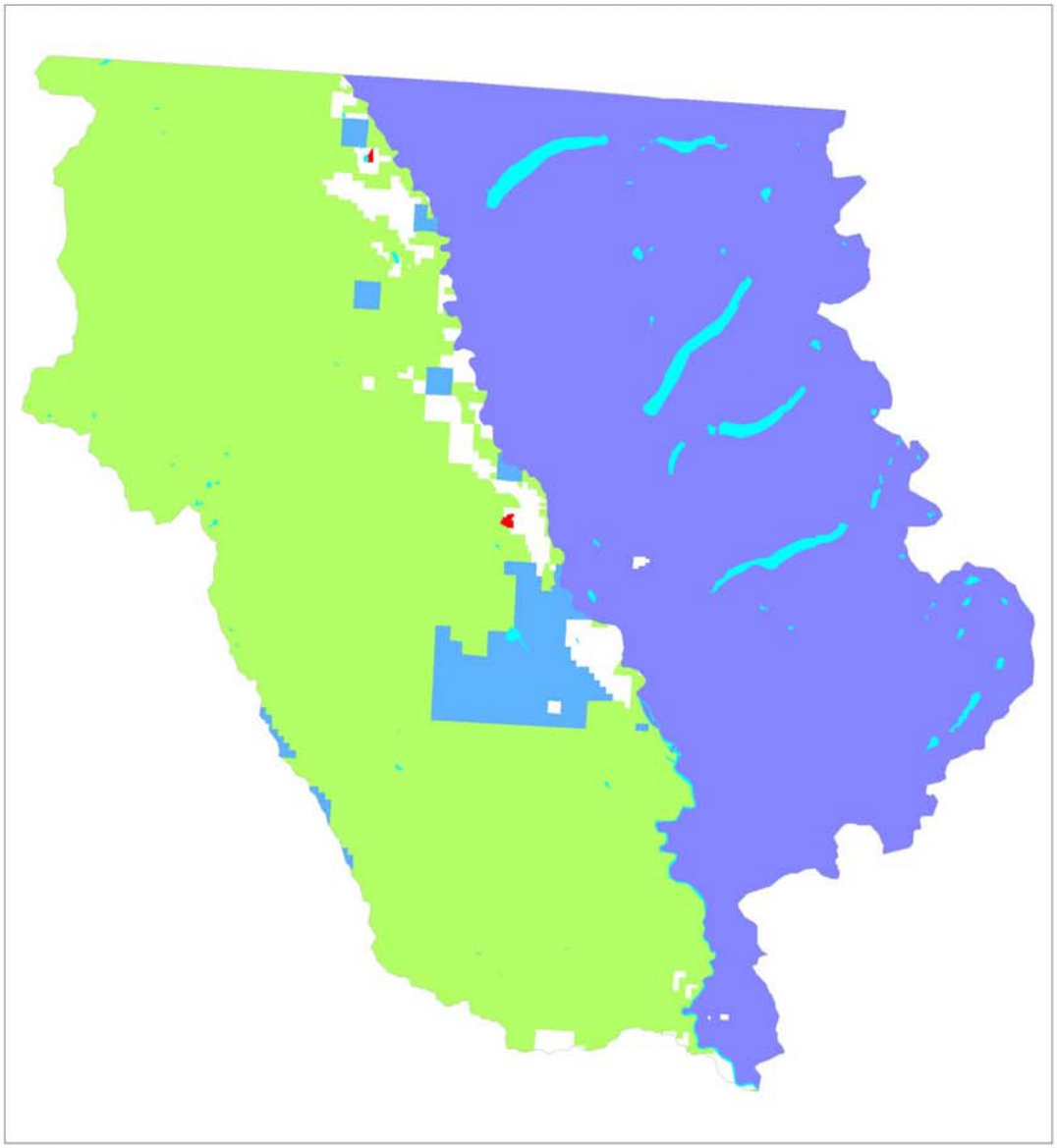

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Figure 2-14. Land Ownership North Fork Basin

Source: Land Ownership and Managed Areas of Montana available from Montana Natural Resource Information System.

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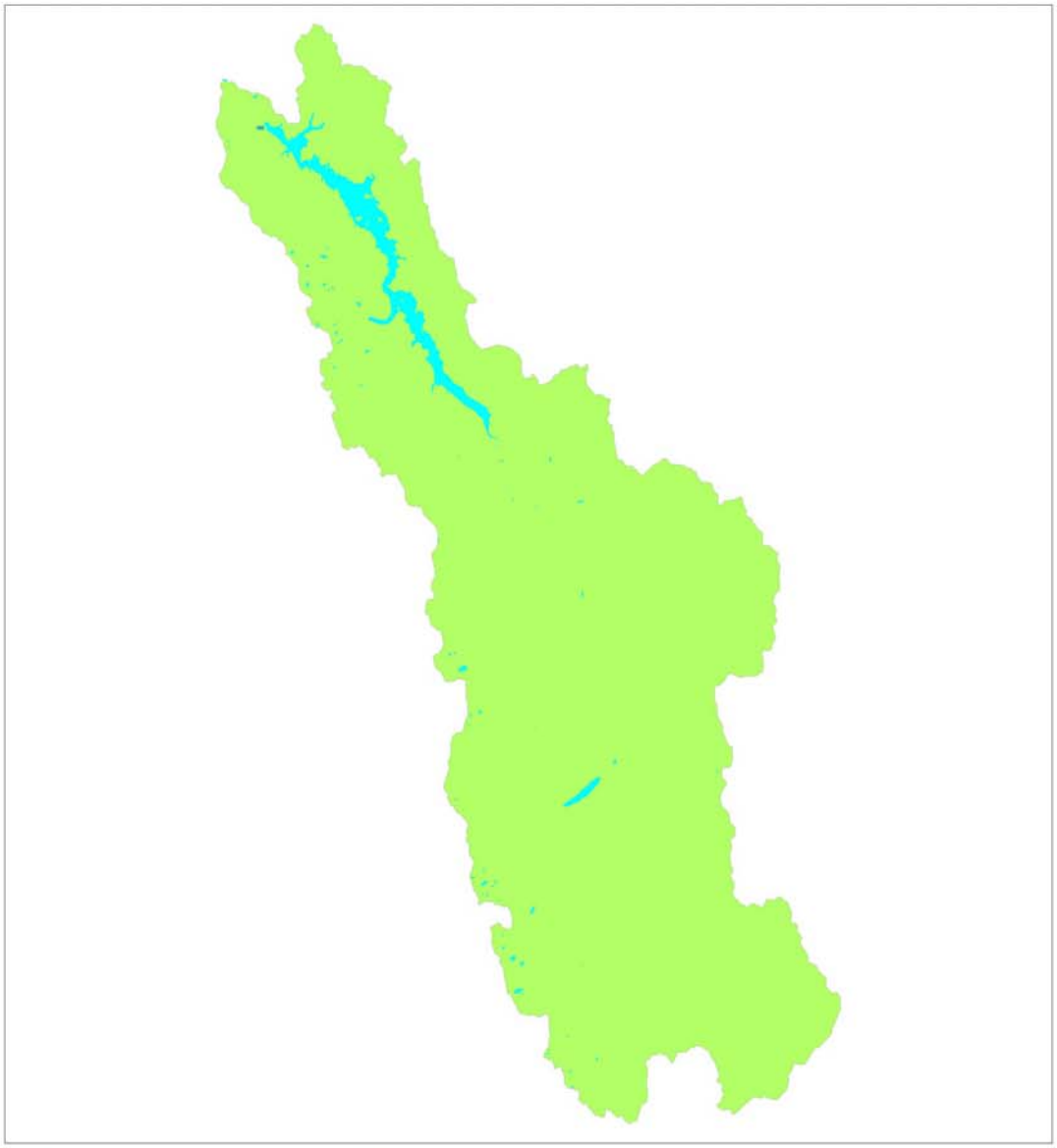

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Figure 2-15. Land Ownership South Fork Basin

Source: Land Ownership and Managed Areas of Montana available from Montana Natural Resource Information System.

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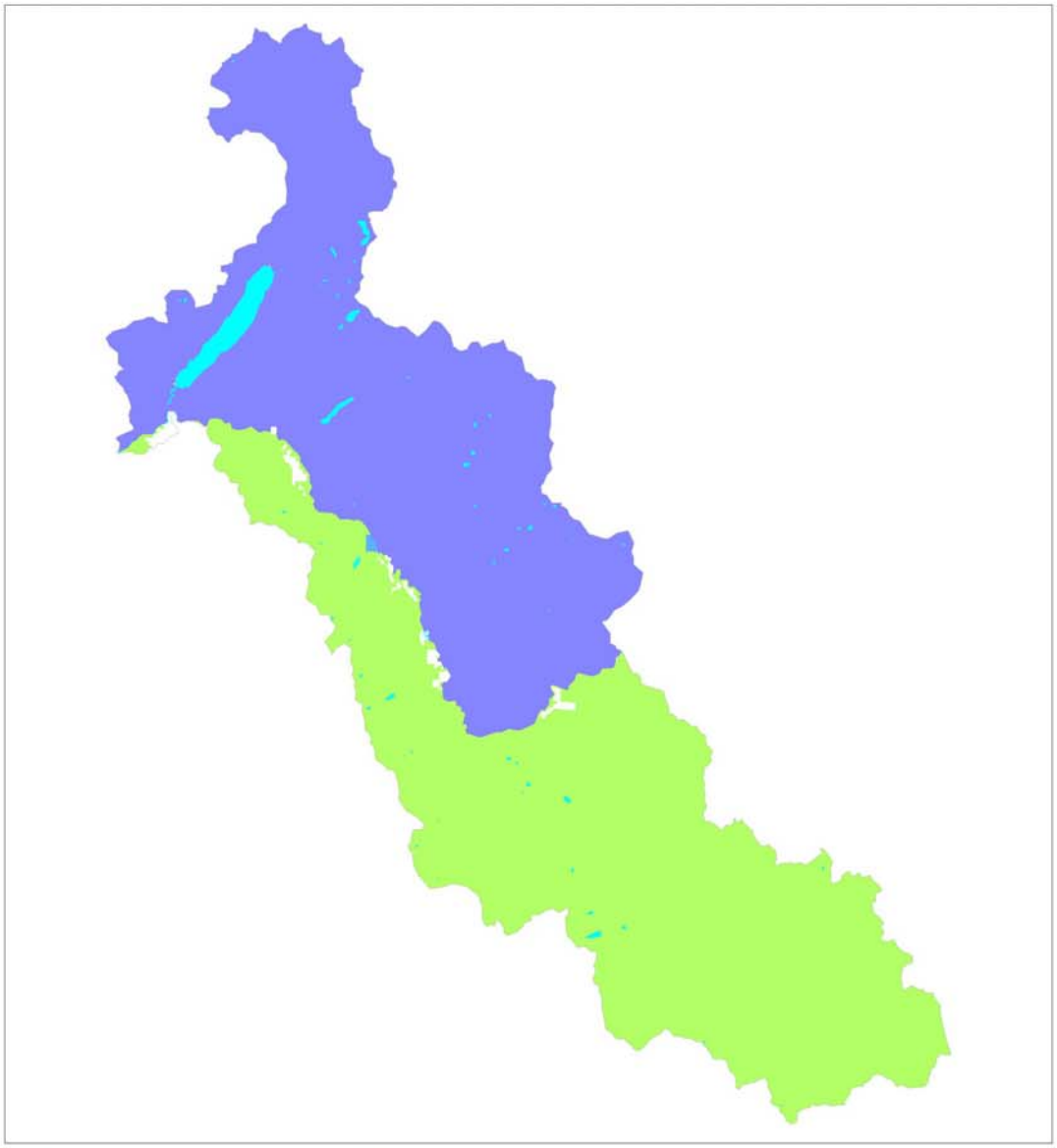

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Figure 2-16. Land Ownership Middle Fork Basin

Source: Land Ownership and Managed Areas of Montana available from Montana Natural Resource Information System.

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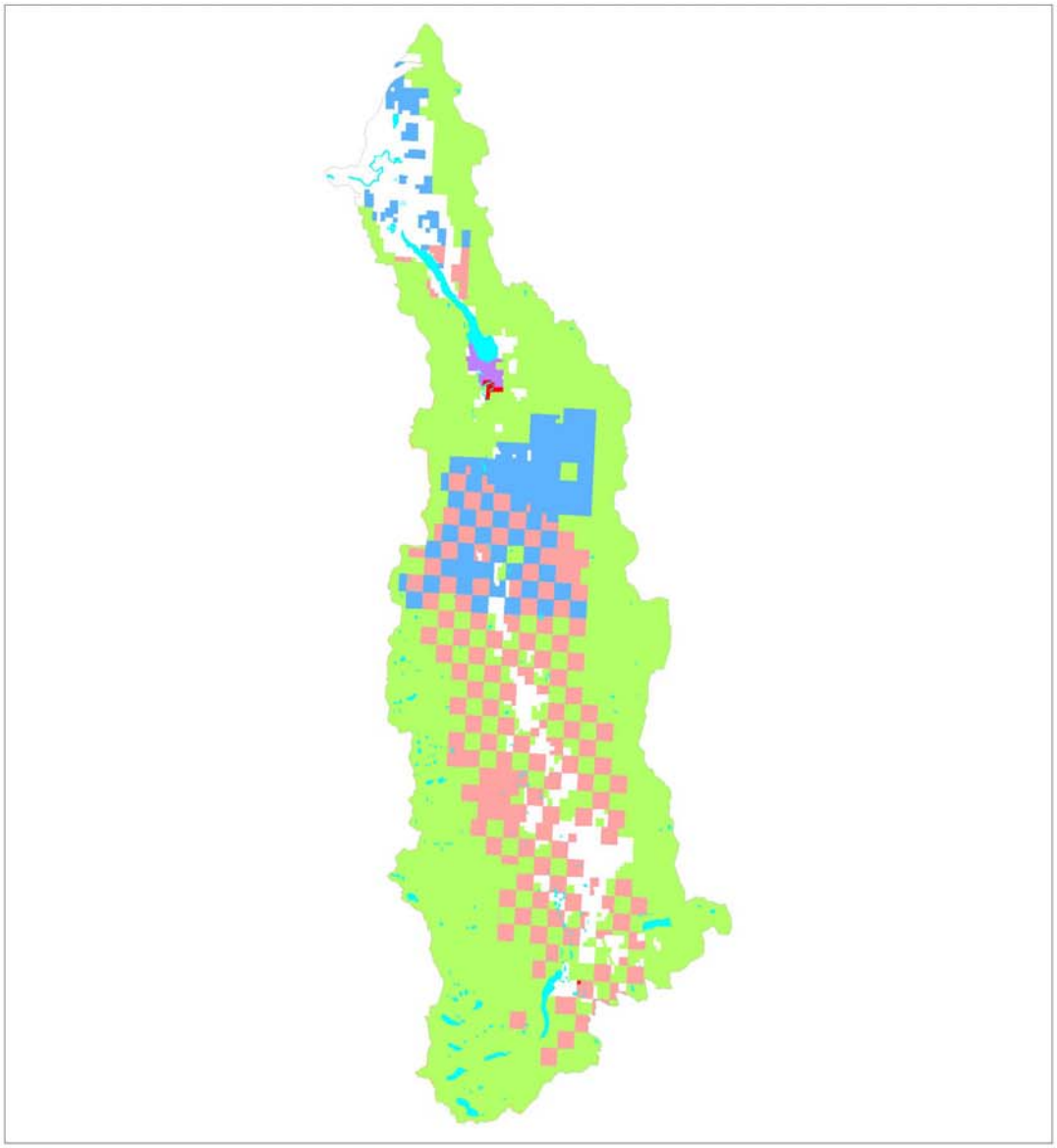

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Figure 2-17. Land Ownership Swan Basin

Source: Land Ownership and Managed Areas of Montana available from Montana Natural Resource Information System.

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