

Appendix B
Characterization Data Sheets

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Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	AENEAS LAKE	L AEN 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L AEN 00	16	14	1	1	21%	0%	0%	0%	7%	43%	0%	29%
Totals/Avg:	16	14	1	1	21%	0%	0%	0%	7%	43%	0%	29%

Comprehensive Plan Designations

Unclassified
WATER

Public Access Points

DEVELOPED: 1
UNDEVELOPED:
INFORMAL:
UNKNOWN: 1

Zoning

MINREQ
WATER

Structures

L AEN 00	26
Total	26

Current Shoreline Designations

L AEN 00 RUR
 WATER

Overwater Structures

L AEN 00 1 ramp

Quad Score

	Score 1	Score 2	Quad Score
L AEN 00	0.80	0.27	1
Averages:	0.80	0.27	1

Setbacks

	Avg	Max	Min	Std Dev
L AEN 00	161.33	290.00	2.00	92.23
Averages:	161.33	290.00	2.00	92.23

Subdivision Density

L AEN 00	0.44
Average:	0.44

Narrative

Aeneas Lake is located in Section 25 T37N R26E. The lake measures 52.6 acres and is banded by a narrow strip of vegetation. An intermittent creek provides inflow, but there is no outflow. The lake is surrounded by some residential development and undeveloped lands within a matrix of agriculture, orchards, and range lands. A public access boat launch is operated by WDFW in the SE corner of the Lake and a common open space exists in the NE corner adjacent to a short plat.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	ALBRIGHT LAKE	L ALB 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L ALB 00	6	6	0	0	33%	0%	0%	0%	17%	0%	0%	50%
Totals/Avg:	6	6	0	0	33%	0%	0%	0%	17%	0%	0%	50%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	2 DEVELOPED: 1 UNDEVELOPED: INFORMAL: UNKNOWN:	MINREQ

Structures	Current Shoreline Designations
L ALB 00	L ALB 00 CONS
Total	0

Overwater Structures	QuadScore
L ALB 00 none	
	Score 1 Score 2 Quad Score
	L ALB 00 0.82 0.47 1
	Averages: 0.82 0.47 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L ALB 00	2 L ALB 00 0.20
Averages:	Average: 0.20

Narrative

Albright Lake, also known as Peninsula Lake, is located in Section 7 of T35N R26E with an area of 21.4 acres. The lake is undeveloped and surrounded by WDFW lands to the southwest and private range lands to northeast. There is a developed access point located in the SW corner on WDFW property. Vegetation around lake is limited and the alkaline water chemistry cannot support fish life.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	ALKALI LAKE	L ALK 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L ALK 00	25	24	0	1	0%	0%	0%	0%	0%	25%	0%	75%
Totals/Avg:	25	24	0	1	0%	0%	0%	0%	0%	25%	0%	75%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified WATER		MINREQ WATER

Structures	Current Shoreline Designations
L ALK 00 11	L ALK 00 CONS
Total 11	WATER

Overwater Structures	QuadScore
L ALK 00 none	
	Score 1 Score 2 Quad Score
	L ALK 00 0.88 0.35 2
	Averages: 0.88 0.35 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L ALK 00 181.11 400.00 70.00 118.68	3 L ALK 00 0.53
Averages: 181.11 400.00 70.00 118.68	Average: 0.53

Narrative

Alkali Lake is located in Section 22 of T35N R26E. Alkali lake is a kettle lake with an area of 63.8 and a shoreline perimeter measuring 2 miles. The lake is surrounded by private land that is roughly 1/3 developed amidst undeveloped lands. No developed Public access is available on the lake. The water in Alkali lake is considered alkaline, displaying a greenish blue tinge and it's water chemistry cannot support fish.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER METHOW	ALTA LAKE	L ALT 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L ALT 00	75	70	5	0	19%	0%	0%	0%	4%	60%	10%	7%
Totals/Avg:	75	70	5	0	19%	0%	0%	0%	4%	60%	10%	7%

Comprehensive Plan Designations	Public Access Points	Zoning
Rec Res	4 DEVELOPED: 1 UNDEVELOPED: INFORMAL: UNKNOWN: 1	MINREQ WATER
TC		
Unclassified		
WATER		

Structures	Current Shoreline Designations
L ALT 00	L ALT 00
16	CONS WATER
Total	
16	

Overwater Structures	Quad Score
L ALT 00 4 docks	
	Score 1 Score 2 Quad Score
	L ALT 00 0.72 0.35 1
	Averages: 0.72 0.35 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	4 L ALT 00 1.41
L ALT 00	Average: 1.41
Averages:	

Narrative

Alta Lake is located in Section 15, T29N R23E. Alta Lake is 219.6 acres and measures about two miles long and half mile wide. The lake sits in a coulee at the base of steep forested and shrub steppe terrain. The lake contains no inflow or outflow. The north and eastern shoreline houses Alta Lake State Park, where a campground, and trails provide visual and direct access to the lakeside including two boat launch ramps. Residential development for seasonal and full time homes exists along the western, northeastern and southern shores. The USFS owns a large portion of the east and west shorelines at the south end of the lake. Alta Lake is used for fishing, motor boating, and swimming.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
UPPER OKANOGAN RIVER	ANTOINE CREEK	S ANT 01 S ANT 02 S ANT 03

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S ANT 01	26	25	1	0	100%	0%	0%	0%	0%	0%	0%	0%
S ANT 02	6	6	0	0	100%	0%	0%	0%	0%	0%	0%	0%
S ANT 03	6	6	0	0	83%	0%	0%	0%	0%	0%	0%	17%
Totals/Avgs:	38	37	1	0	94%	0%	0%	0%	0%	0%	0%	6%

Comprehensive Plan Designations	PublicAccess Points	Zoning
IA Unclassified Unclassified Unclassified		MINREQ

Structures	Current Shoreline Designations
S ANT 01 9	S ANT 01 RUR
S ANT 02	S ANT 02 RUR
S ANT 03	S ANT 03 RUR
<hr/> Total 9	

Overwater Structures	QuadScore
S ANT 01 2	Score 1 Score 2 Quad Score
S ANT 02 1	S ANT 01 0.77 0.56 3
S ANT 03 1	S ANT 02 0.88 0.26 2
	S ANT 03 0.81 0.27 1
	<hr/> Averages: 0.82 0.36 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	7 S ANT 01 0.15
S ANT 01 620.00 1010.00 230.00 551.54	8 S ANT 02 0.13
S ANT 02	9 S ANT 03 0.18
S ANT 03	<hr/> Average: 0.15
<hr/> Averages: 620.00 1010.00 230.00 551.54	

Narrative

Antoine Creek joins the mainstem of the Okanogan River at RM 61.2. The Antoine Creek Character Zone reaches approximately 5 miles and is oriented in a east-west direction. The creek drains a dry landscape of shrub and rangelands, with some irrigated fields through a narrow, steep-sided canyon noted for erosive gullies exacerbated by hoof wear. Management issues include bank erosion, noxious weeds, and heavy grazing.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	BEAVER CREEK	S BEA 01 S BEA 02 S BEA 03 S BEA 04

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S BEA 01	34	33	1	0	42%	0%	0%	0%	0%	48%	0%	9%
S BEA 02	18	18	0	0	89%	0%	0%	0%	0%	11%	0%	0%
S BEA 03	25	24	1	0	25%	0%	0%	0%	17%	21%	0%	38%
S BEA 04	6	5	1	0	0%	0%	0%	0%	100%	0%	0%	0%
Totals/Avgs:	83	80	3	0	39%	0%	0%	0%	29%	20%	0%	12%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Sub-Unit C		Uplands
Sub-Unit C		Valley Floor
Sub-Unit C		
Sub-Unit D		
Unclassified		
Unclassified		

Structures	Current Shoreline Designations
S BEA 01 54	S BEA 01 RUR
S BEA 02 30	S BEA 02 RUR
S BEA 03 9	S BEA 03 RUR
S BEA 04	S BEA 04 Undesignated
S BEA 04	S BEA 04 Undesignated
<hr/> Total 93	

Overwater Structures	QuadScore
S BEA 01 2	
S BEA 02 none	
S BEA 03 3	
S BEA 04 1	
	Score 1 Score 2 Quad Score
	S BEA 01 0.75 0.66 3
	S BEA 02 0.88 0.68 4
	S BEA 03 0.89 0.65 4
	S BEA 04 0.93 0.67 4
	<hr/> Averages: 0.86 0.67 4

Setbacks	Subdivision Density
Avg Max Min Std Dev	0 S BEA 01 0.25

S BEA 01	238.42	530.00	80.00	117.58	S BEA 02	0.13
S BEA 02	302.00	800.00	100.00	197.59	S BEA 03	0.25
S BEA 03	220.00	340.00	100.00	169.71	S BEA 04	0.08
S BEA 04					Average:	0.18
Averages:	253.47	556.67	93.33	161.62		

Narrative

The Beaver Creek Character Zone includes those shorelines below the 20 cfs point in the lower 9 miles of the Beaver Creek. Beaver Creek is a high-moderate gradient, north/south creek draining mountainous terrain and undulating range lands. The creek enters the Methow River at RM 35. The shorelines are privately owned with the exception of the middle and upper reaches that lie within Department of Fish and Wildlife and Okanogan National Forest ownerships. Land uses along Beaver Creek are dominated by open range grazing, some irrigated fields and dispersed rural residences. There is no public access to the creek within the lower 7 miles except for that provided at bridge crossings.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	BIG TWIN LAKE	L BIG 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L BIG 00	36	31	4	1	0%	0%	0%	0%	3%	52%	3%	42%
Totals/Avg:	36	31	4	1	0%	0%	0%	0%	3%	52%	3%	42%

Comprehensive Plan Designations	Public Access Points	Zoning
Sub-Unit B WATER	7 DEVELOPED: 2 UNDEVELOPED: INFORMAL: UNKNOWN:	Valley Floor WATER

Structures	Current Shoreline Designations
L BIG 00 11	L BIG 00 CONS
Total 11	WATER

Overwater Structures	Quad Score
L BIG 00 1 dock	Score 1 Score 2 Quad Score
	L BIG 00 0.78 0.39 1
	Averages: 0.78 0.39 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	5 L BIG 00 0.81
L BIG 00 417.78 690.00 120.00 196.84	Average: 0.81
Averages: 417.78 690.00 120.00 196.84	

Narrative

Big Twin Lake is located in Section 15 T34N R21E. A kettle lake, Big Twin Lake is a deep depression lined by steep slopes to the SW, S, and East, while the Northern shoreline is a more gradual slope. It is fed by groundwater and supports a trout fishery. The lake measures 65.4 acres with a perimeter of 2 miles. WDFW owns a large portion of shoreline in the sw corner for fishing access as well as a boat launch in the NE corner of the lake. The surrounding land uses are rural residential and a private RV campground.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SINLAHEKIN RIVER	BLUE LAKE (SIN)	L BLS 01 L BLS 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L BLS 01	10	8	1	1	0%	0%	0%	0%	100%	0%	0%	0%
L BLS 02	4	4	0	0	0%	0%	0%	0%	100%	0%	0%	0%
Totals/Avgs:	14	12	1	1	0%	0%	0%	0%	100%	0%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		MINREQ
Unclassified		WATER
WATER		

Structures	Current Shoreline Designations
L BLS 01	L BLS 01 CONS
L BLS 02	WATER
Total	L BLS 02 CONS

Overwater Structures	QuadScore
L BLS 01 none	Score 1 Score 2 Quad Score
L BLS 02 none	L BLS 01 0.96 0.38 2
	L BLS 02 0.97 0.41 2
	Averages: 0.97 0.40 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	6 L BLS 01 0.17
L BLS 01	7 L BLS 02 0.08
L BLS 02	Average: 0.12
Averages:	

Narrative

Blue Lake is located in Section 22 T37N R25E. The 205 acre lake, is a storage reservoir built by the Whitestone Reclamation District in 1923. During periods of high water, flows are diverted from Sinlahekin creek into the Lake to provide groundwater recharge for Sinlahekin Creek to maintain flows in the Creek for irrigators and fish during the summer months, however there is only outflow from the Lake into the Creek during periodic high spring runoff. The Blue Lake Dam, constructed by the WRD did not hold water and was abandoned by 1934.

The entire shoreline is owned by WDFW and there are four public access points, three with trailer launch

ramps, one with a hand launch site along the eastern shoreline.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
I BONAPARTE CREEK	BONAPARTE CREEK	S BON 02 S BON 03 S BON 04 S BON 05 S BON 06 S BON 07 S BON 08 S BON 09

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S BON 02	66	66	0	0	48%	0%	0%	0%	0%	27%	0%	24%
S BON 03	7	7	0	0	100%	0%	0%	0%	0%	0%	0%	0%
S BON 04	30	30	0	0	30%	0%	0%	0%	0%	50%	0%	20%
S BON 05	16	16	0	0	38%	0%	0%	0%	0%	44%	0%	19%
S BON 06	12	12	0	0	75%	0%	0%	0%	0%	25%	0%	0%
S BON 07	8	7	1	0	71%	0%	0%	0%	0%	29%	0%	0%
S BON 08	9	7	2	0	86%	0%	0%	0%	0%	0%	0%	14%
S BON 09	26	24	2	0	54%	0%	4%	0%	0%	25%	0%	17%
Totals/Avgs:	174	169	5	0	63%	0%	1%	0%	0%	25%	0%	12%

Comprehensive Plan Designations

Unclassified
 Unclassified
 Unclassified
 Unclassified
 Unclassified
 Unclassified
 Unclassified
 Unclassified

Public Access Points

0 DEVELOPED:
 UNDEVELOPED: 1
 INFORMAL:
 UNKNOWN:

Zoning

MINREQ

Structures

S BON 02 31
 S BON 03 6
 S BON 04
 S BON 05
 S BON 06

Current Shoreline Designations

S BON 02 RUR
 S BON 03 RUR
 S BON 04 RUR
 Undesignated
 S BON 05 Undesignated
 S BON 06 Undesignated

S BON 07		S BON 07	Undesignated
S BON 08		S BON 08	Undesignated
S BON 09	6	S BON 09	Undesignated
Total	43		

Overwater Structures		QuadScore			
		Score 1	Score 2	Quad Score	
S BON 02	7	S BON 02	0.79	0.35	1
S BON 03	none	S BON 03	0.89	0.26	2
S BON 04	1	S BON 04	0.86	0.24	2
S BON 05	2	S BON 05	0.81	0.33	1
S BON 06	1	S BON 06	0.84	0.45	2
S BON 07	none	S BON 07	0.92	0.49	2
S BON 08	none	S BON 08	0.93	0.45	2
S BON 09	5	S BON 09	0.83	0.28	2
		Averages:	0.86	0.36	2

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S BON 02	171.18	330.00	40.00	92.46	S BON 02	0.27
S BON 03	105.00	180.00	30.00	106.07	S BON 03	0.09
S BON 04					S BON 04	0.32
S BON 05					S BON 05	0.24
S BON 06					S BON 06	0.15
S BON 07					S BON 07	0.06
S BON 08					S BON 08	0.04
S BON 09	535.00	680.00	390.00	205.06	S BON 09	0.10
Averages:					Average:	0.16
Averages:						

Narrative

Bonaparte Creek drains roughly 98,738 (HUC 10) – 102,120 (SubBasin Plan) acres of sparsely developed range lands. This 4th order stream flows 24 miles from its headwaters in the east and winds westward to meet the Okanogan River at the city of Tonasket at Okanogan RM 56.7. The creek begins at a gentle gradient supporting a variable width of riparian vegetation and wetlands in its upper reaches. A complex wetland/riparian band can be found at its confluence with Peony Creek. The creek then flows through steeper terrain into a narrow canyon eventually cascading over a natural fall at river mile 1.0—just east of the city. This is where the Bonaparte Creek Character Zone ends. The falls create a natural barrier to fish migration, though resident trout and sculpin can be found above the falls. The entire creek is surrounded by private land, primarily used for agricultural grazing. The canyon section holds high potential for wildlife in a relatively undeveloped environment although issues related to winter grazing, hoof sheer erosion, lack of cover and invasive species were noted in the Sub Basin Plan. No known public access exists along its shorelines although the canyon is visible in the vicinity of the falls via an unofficial overlook at the Hwy 20 Bridge.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	BONAPARTE LAKE	L BON 01
		L BON 02
		L BON 03

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L BON 01	4	3	1	0	67%	0%	0%	0%	0%	33%	0%	0%
L BON 02	4	3	0	0	0%	0%	0%	0%	100%	0%	0%	0%
L BON 03	2	2	0	0	0%	0%	0%	0%	50%	0%	50%	0%
Totals/Avg:	10	8	1	0	22%	0%	0%	0%	50%	11%	17%	0%

Comprehensive Plan Designations

Unclassified
Unclassified
Unclassified

Public Access Points

DEVELOPED: 1
UNDEVELOPED:
INFORMAL:
UNKNOWN:

Zoning

MINREQ

Structures

L BON 01	0
L BON 02	0
L BON 03	0
Total	0

Current Shoreline Designations

L BON 01	CONS
L BON 02	CONS
L BON 03	CONS

Overwater Structures

L BON 01	none
L BON 02	1
L BON 03	none

Quad Score

	Score 1	Score 2	Quad Score
L BON 01	0.77	0.58	3
L BON 02	0.86	0.53	2
L BON 03	0.82	0.75	3
Averages:	0.82	0.62	3

Setbacks

	Avg	Max	Min	Std Dev
L BON 01				
L BON 02				
L BON 03				
Averages:				

Subdivision Density

9 L BON 01	0.34
0 L BON 02	0.00
L BON 03	0.10
Average:	0.15

Narrative

Bonaparte Lake is located in Section 17 T38N R30E at an altitude of 3550 ft. It measures 151.7 acres. The lake is connected to a chain of small ponds and wetlands that serve as the headwaters of Bonaparte Creek. The shoreline is forested and owned mostly by Okanogan National Forest with exception of the SE corner that is owned by the state. A campground and boat launch in the southern tip is managed by ONF. There is also a small resort with lake access and one dock is located at a boy scout camp along the northern shoreline.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	BOOHER LAKE	L BOO 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L BOO 00	3	3	0	0	100%	0%	0%	0%	0%	0%	0%	0%
Totals/Avg:	3	3	0	0	100%	0%	0%	0%	0%	0%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		MINREQ

Structures	Current Shoreline Designations
L BOO 00 0	L BOO 00 CONS
Total 0	

Overwater Structures	QuadScore
L BOO 00 none	
	Score 1 Score 2 Quad Score
	L BOO 00 0.85 0.45 2
	Averages: 0.85 0.45 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	2 L BOO 00 0.10
L BOO 00	Average: 0.10
Averages:	

Narrative

Booher Lake is located at T35N R26E. The surface area of the lake is variable depending on hydrologic fluctuations, with a range of 18 – 29 acres. The lake is surrounded by private agricultural range lands with no structures in the shoreline to date. Pine Creek, and intermittent creek provides inflow to the lake; no outflow exists. No public access exists on the lake.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
COLUMBIA RIVER	BREWSTER	S COL 04 S COL 05 S OKA 01

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
------------	--	---

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S COL 04	105	97	6	2	18%	6%	2%	0%	26%	32%	0%	16%
S COL 05	185	169	15	1	14%	2%	1%	0%	27%	33%	0%	23%
S OKA 01	15	12	2	1	42%	0%	0%	0%	50%	0%	0%	8%
Totals/Avg:	305	278	23	4	24%	3%	1%	0%	34%	22%	0%	16%

Comprehensive Plan Designations

Public Access Points

Zoning

CBD	3	DEVELOPED: 5	C-1
IA		UNDEVELOPED: 7	C-2
IA		INFORMAL:	MINREQ
MIXED COM/LI		UNKNOWN:	PU
MIXED DENS RES			R-1
MIXED DENS RES			R-2
PU			WATER
PU			
RUR RES			
RUR RES			
RUR RES			
SFR			
Unclassified			
Unclassified			
WATER			
WATER			
WATER			
WELLS DAM RES			
WELLS DAM RES			
WELLS DAM RES			

Structures

Current Shoreline Designations

S COL 04	45	S COL 04	RUR
S COL 05	59		SUB
S OKA 01			Undesignated
			WATER
Total	104	S COL 05	CONS

CONS/URB
 RUR
 SUB
 Undesignated
 URB
 WATER
 S OKA 01
 RUR
 Undesignated
 WATER

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S COL 04	1 dock	S COL 04	0.80	0.58	3
S COL 05	1 pier, 1 float, 3 docks, 1 bri	S COL 05	0.80	0.54	1
S OKA 01	none	S OKA 01	0.92	0.36	2
		Averages:	0.84	0.49	2

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S COL 04	131.00	370.00	30.00	77.65	S COL 04	1.02
S COL 05	143.04	410.00	50.00	66.58	S COL 05	1.72
S OKA 01					S OKA 01	0.71
					Average:	1.15
Averages:	137.02	390.00	40.00	72.11		

Narrative

Shorelines in the Brewster Character Zone include the banks of the Columbia River along the Wells Pools running from RM 527-536 as well as upstream along the Okanogan River where it meets the Columbia. These shorelines are within or adjoining the Urban Growth Boundary of the city of Brewster and are characterized by tree fruit agriculture, residential and commercial uses. The majority of the waterfront shoreline area is owned by the Douglas County PUD. Access can be found at the city park, including two docks and a launch, and along the river walk in downtown Brewster. The shoreline along this portion has been greatly modified as part of the development of the Wells Dam impoundment. The entire shoreline has been stabilized with rip rap and supports a narrow band of riparian species in some areas. Fluctuations of the pool create variable habitat zones along the water's edge, and some side bar islands and wetlands do exist; however, the shoreline has been greatly simplified and is more reflective of lakeside environments than river systems.

The southern portion of this Character Zone encompasses the shoreline area parallel to US 97 and the BNSF rail road along the Columbia River between Brewster and Indian Dan Canyon, RM 529- 527. It is almost entirely owned by the Douglas County PUD. Those portions not owned by the PUD are composed of residential subdivisions near Brewster and some orchards and industrial uses related to agriculture and transportation. The shoreline through this section has been highly altered from hydroelectric development and includes heavy armoring to support and protect this vital transportation corridor for the railroad and highway. There is one developed access point operated by the PUD near RM 529.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER OKANOGAN RIVER	BREWSTER	S COL 04 S COL 05 S OKA 01

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S COL 04	105	97	6	2	18%	6%	2%	0%	26%	32%	0%	16%
S COL 05	185	169	15	1	14%	2%	1%	0%	27%	33%	0%	23%
S OKA 01	15	12	2	1	42%	0%	0%	0%	50%	0%	0%	8%
Totals/Avg:	305	278	23	4	24%	3%	1%	0%	34%	22%	0%	16%

Comprehensive Plan Designations	PublicAccess Points	Zoning
CBD	3 DEVELOPED: 5	C-1
IA	UNDEVELOPED: 7	C-2
IA	INFORMAL:	MINREQ
MIXED COM/LI	UNKNOWN:	PU
MIXED DENS RES		R-1
MIXED DENS RES		R-2
PU		WATER
PU		
RUR RES		
RUR RES		
RUR RES		
SFR		
Unclassified		
Unclassified		
WATER		
WATER		
WATER		
WELLS DAM RES		
WELLS DAM RES		
WELLS DAM RES		

Structures	Current Shoreline Designations
S COL 04 45	S COL 04 RUR
S COL 05 59	SUB
S OKA 01	Undesignated
Total 104	WATER
	S COL 05 CONS
	CONS/URB

RUR
SUB
Undesignated
URB
WATER
S OKA 01
RUR
Undesignated
WATER

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S COL 04	1 dock				
S COL 05	1 pier, 1 float, 3 docks, 1 bri	S COL 04	0.80	0.58	3
S OKA 01	none	S COL 05	0.80	0.54	1
		S OKA 01	0.92	0.36	2
		Averages:	0.84	0.49	2

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S COL 04	131.00	370.00	30.00	77.65	S COL 04	1.02
S COL 05	143.04	410.00	50.00	66.58	S COL 05	1.72
S OKA 01					S OKA 01	0.71
					Average:	1.15
Averages:	137.02	390.00	40.00	72.11		

Narrative

Shorelines in the Brewster Character Zone include the banks of the Columbia River along the Wells Pools running from RM 527-536 as well as upstream along the Okanogan River where it meets the Columbia. These shorelines are within or adjoining the Urban Growth Boundary of the city of Brewster and are characterized by tree fruit agriculture, residential and commercial uses. The majority of the waterfront shoreline area is owned by the Douglas County PUD. Access can be found at the city park, including two docks and a launch, and along the river walk in downtown Brewster. The shoreline along this portion has been greatly modified as part of the development of the Wells Dam impoundment. The entire shoreline has been stabilized with rip rap and supports a narrow band of riparian species in some areas. Fluctuations of the pool create variable habitat zones along the water's edge, and some side bar islands and wetlands do exist; however, the shoreline has been greatly simplified and is more reflective of lakeside environments than river systems.

The southern portion of this Character Zone encompasses the shoreline area parallel to US 97 and the BNSF rail road along the Columbia River between Brewster and Indian Dan Canyon, RM 529- 527. It is almost entirely owned by the Douglas County PUD. Those portions not owned by the PUD are composed of residential subdivisions near Brewster and some orchards and industrial uses related to agriculture and transportation. The shoreline through this section has been highly altered from hydroelectric development and includes heavy armoring to support and protect this vital transportation corridor for the railroad and highway. There is one developed access point operated by the PUD near RM 529.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	CARLTON - TWISP	S MET 14
		S MET 15
		S MET 16
		S MET 17
		S MET 18
		S MET 19
		S MET 20
		S MET 21
		S MET 22

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 14	29	26	2	1	15%	0%	0%	0%	0%	42%	0%	42%
S MET 15	50	47	2	1	4%	0%	4%	0%	2%	55%	0%	34%
S MET 16	29	26	2	1	31%	0%	0%	0%	0%	65%	0%	4%
S MET 17	30	28	1	1	50%	0%	0%	0%	0%	39%	0%	11%
S MET 18	29	26	1	2	38%	0%	0%	0%	8%	35%	0%	19%
S MET 19	56	48	3	5	15%	2%	0%	0%	31%	33%	0%	19%
S MET 20	44	37	3	4	43%	0%	0%	0%	0%	30%	0%	27%
S MET 21	24	21	1	2	10%	5%	10%	0%	0%	38%	0%	38%
S MET 22	26	23	1	2	30%	4%	0%	0%	4%	35%	0%	26%
Totals/Avg:	317	282	16	19	26%	1%	2%	0%	5%	41%	0%	24%

Comprehensive Plan Designations

Sub-Unit C
 Sub-Unit C
 Sub-Unit D
 WATER
 WATER
 WATER

Public Access Points

5 DEVELOPED:
 UNDEVELOPED: 15
 INFORMAL:
 UNKNOWN: 1

Zoning

Carlton AG
 MRD1
 Valley Floor
 WATER

WATER
WATER
WATER
WATER
WATER
WATER

Structures		Current Shoreline Designations	
S MET 14	22	S MET 14	RUR WATER
S MET 15	32	S MET 15	RUR WATER
S MET 16	33	S MET 16	RUR WATER
S MET 17	45	S MET 17	RUR WATER
S MET 18	24	S MET 18	RUR WATER
S MET 19	34	S MET 19	RUR WATER
S MET 20	39	S MET 20	RUR WATER
S MET 21	25	S MET 21	RUR WATER
S MET 22	18	S MET 22	RUR WATER
Total	272		

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S MET 14	none	S MET 14	0.85	0.72	4
S MET 15	none	S MET 15	0.75	0.73	3
S MET 16	none	S MET 16	0.74	0.74	3
S MET 17	none	S MET 17	0.81	0.72	3
S MET 18	none	S MET 18	0.88	0.73	4
S MET 19	none	S MET 19	0.89	0.77	4
S MET 20	none	S MET 20	0.88	0.76	4
S MET 21	none	S MET 21	0.88	0.74	4
S MET 22	none	S MET 22	0.84	0.75	4
Averages:			0.84	0.74	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S MET 14	304.00	980.00	2.00	257.89	S MET 14	0.42
S MET 15	212.73	410.00	50.00	98.28	S MET 15	0.63
S MET 16	257.89	460.00	30.00	140.74	S MET 16	0.58
S MET 17	265.79	730.00	70.00	184.76	S MET 17	0.46
S MET 18	860.77	3140.00	100.00	1033.09	S MET 18	0.17
S MET 19	463.50	2110.00	80.00	482.80	S MET 19	0.16
S MET 20	471.18	1470.00	90.00	452.86	S MET 20	0.11
S MET 21	405.00	1140.00	100.00	279.83	S MET 21	0.16
S MET 22	397.50	1110.00	50.00	304.13	S MET 22	0.17

Averages:	404.26	1283.33	63.56	359.38	Average:	0.32
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Narrative

The Carlton-Twisp Character Zone of the Methow River extends south from the southern UGA of Twisp near the Hwy 20 Junction to Carlton -- RM 37.5 – 27.6. The upper portion of this zone meanders through a wide, active channel, creating large gravel bars and mid-channel islands. As the river approaches Carlton the stream channel narrows and is surrounded by steep erosive bluffs. Riparian vegetation can be found along stable banks and wide bars. Bank stabilization has occurred throughout this zone for road and land protection. There is no developed public access within this zone. An informal public access exists between RM 33-34 on WDFW property. The surrounding land uses include rural residential and agriculture.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER METHOW	CARLTON LAMIRD	S MET 13

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 13	60	52	6	2	23%	8%	13%	0%	2%	29%	0%	25%
Totals/Avg:	60	52	6	2	23%	8%	13%	0%	2%	29%	0%	25%

Comprehensive Plan Designations

Sub-Unit D
WATER

Public Access Points

6 DEVELOPED: 1
UNDEVELOPED: 1
INFORMAL:
UNKNOWN:

Zoning

Carlton Commercial
Uplands
Valley Floor
WATER

Structures

S MET 13	45
Total	45

Current Shoreline Designations

S MET 13
RUR
WATER

Overwater Structures

S MET 13 1

Quad Score

	Score 1	Score 2	Quad Score
S MET 13	0.86	0.67	4
Averages:	0.86	0.67	4

Setbacks

	Avg	Max	Min	Std Dev
S MET 13	365.50	2170.00	70.00	445.04
Averages:	365.50	2170.00	70.00	445.04

Subdivision Density

8	S MET 13	0.42
	Average:	0.42

Narrative

The Carlton LAMIRD character zone includes a 1 mile reach of river that encompasses the population center of Carlton centered around RM 27. Carlton houses a post office, RV park, motel, restaurant, general store and fire station, and shoreline uses include public access and dispersed rural residential development. A WDFW fishing access site serves this area adequately for access. It is a popular launch site for commercial and private float trips with a great swimming beach that brings in visitors to Carlton.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
CHEWACK RIVER	CHEWACK RIVER	S CHE 02
		S CHE 03
		S CHE 04
		S CHE 05
		S CHE 06
		S CHE 07
		S CHE 08

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S CHE 02	89	84	4	1	5%	0%	0%	0%	7%	49%	0%	39%
S CHE 03	48	43	3	2	5%	2%	0%	0%	2%	35%	0%	56%
S CHE 04	63	55	2	6	24%	0%	0%	0%	13%	31%	0%	33%
S CHE 05	9	6	2	1	0%	0%	0%	0%	83%	17%	0%	0%
S CHE 06	19	13	5	1	0%	62%	0%	0%	0%	15%	0%	23%
S CHE 07	27	22	4	1	0%	0%	0%	0%	0%	73%	0%	27%
S CHE 08	8	4	4	0	0%	0%	0%	0%	50%	25%	0%	25%
Totals/Avgs:	263	227	24	12	5%	9%	0%	0%	22%	35%	0%	29%

Comprehensive Plan Designations

Public Access Points

Zoning

Rockview/Big Val
 Sub-Unit B
 Unclassified
 Unclassified
 WATER
 WATER
 WATER
 WATER
 WATER
 WATER

7 DEVELOPED: 3
 UNDEVELOPED: 6
 INFORMAL:
 UNKNOWN: 4

MRD1
 Rural Residential
 Uplands
 Valley Floor
 WATER

Structures		Current Shoreline Designations	
S CHE 02	61	S CHE 02	RUR WATER
S CHE 03	27	S CHE 03	RUR WATER
S CHE 04	25	S CHE 04	RUR WATER
S CHE 05		S CHE 05	RUR
S CHE 06	10	S CHE 06	Undesignated WATER
S CHE 07	13	S CHE 07	Undesignated WATER
S CHE 08		S CHE 08	Undesignated WATER
Total	136		

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S CHE 02	none	S CHE 02	0.91	0.82	4
S CHE 03	none	S CHE 03	0.95	0.77	4
S CHE 04	1	S CHE 04	0.77	0.75	3
S CHE 05	none	S CHE 05	0.82	0.78	3
S CHE 06	none	S CHE 06	0.73	0.86	3
S CHE 07	none	S CHE 07	0.89	0.77	4
S CHE 08	none	S CHE 08	0.96	0.83	4
		Averages:	0.86	0.80	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S CHE 02	281.58	1170.00	50.00	283.19	S CHE 02	0.28
S CHE 03	288.00	540.00	20.00	156.40	S CHE 03	0.26
S CHE 04	211.82	980.00	20.00	206.46	S CHE 04	0.36
S CHE 05					S CHE 05	0.29
S CHE 06	122.50	280.00	40.00	81.02	S CHE 06	0.27
S CHE 07	104.12	300.00	20.00	82.24	S CHE 07	1.42
S CHE 08					S CHE 08	0.05
					Average:	0.42
Averages:	201.60	654.00	30.00	161.86		

Narrative

The Chewack (Chewuch) River flows southwest from high elevations in the Pasayten Wilderness on USFS land through sparsely populated residential and agricultural lands until it meets the Methow River in the town of Winthrop. The Lower Chewack Watershed (HUC 10), which encompasses all shorelines designated in this SMP, drains nearly 200,000 acres of mountainous terrain through a surrounding landscape of forested slopes with patches of meadows in the highlands and shrub-steppe terraced hillsides in the lower reaches. Riparian cover is relatively continuous throughout the reach. There are 5 diversions for irrigation and extensive portions of the river's banks, including the alluvial fans of receiving streams have been rip rapped for flood control. Public access along the Chewack is plentiful above RM 35 where various developed campgrounds and day use sites are managed by the USFS and WDFW. Informal and undeveloped access sites also exist. A new park, "Sa Teekh Wa", in the Town of Winthrop also provides shoreline access via a pedestrian bridge and riverfront trail. Limited access exists in the more heavily developed areas between RM 28 and 35, with the exception of one WDFW non-motorized (walk-in) location and a scattering of privately owned community open spaces. The Okanogan County

Outdoor Recreation Plan identifies “river trails” as a high priority and this lower portion of the Chewack River has no trail system.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SANPOIL RIVER	CHOPAKA LAKE	L CHO 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L CHO 00	10	4	4	2	100%	0%	0%	0%	0%	0%	0%	0%
Totals/Avg:	10	4	4	2	100%	0%	0%	0%	0%	0%	0%	0%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified WATER		MINREQ WATER

Structures	Current Shoreline Designations
L CHO 00 5	L CHO 00 CONS
<hr/> Total 5	WATER

Overwater Structures	QuadScore
L CHO 00 none	
	Score 1 Score 2 Quad Score
	L CHO 00 0.83 0.53 2
	Averages: 0.83 0.53 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L CHO 00 50.00 50.00 50.00 0.00	4 L CHO 00 0.06
Averages: 50.00 50.00 50.00 0.00	Average: 0.06

Narrative

Chopaka Lake is located in Section 4 T39N R25E. The lake measures 68 acres. It sits in a narrow trough with a north-south orientation and surrounded by steep forested slopes. The lake flows out into Chopaka Creek, a tributary of Sinlahekin River. The southwestern 1/3 is privately owned, but the remainder of the shoreline is publicly owned with one WDFW access and a BLM campground and access along the western shoreline.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SALMON CREEK	CONCONULLY LAKE	L CON 01 L CON 02 L CON 03 L CON 04

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L CON 01	15	6	8	1	50%	0%	0%	0%	17%	33%	0%	0%
L CON 02	8	3	4	1	33%	33%	0%	0%	33%	0%	0%	0%
L CON 03												
L CON 04												
Totals/Avgs:	23	9	12	2	42%	17%	0%	0%	25%	17%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	9 DEVELOPED: 1 UNDEVELOPED: INFORMAL: UNKNOWN: 1	MINREQ
Unclassified		WATER
Unclassified		
Unclassified		
WATER		

Structures	Current Shoreline Designations
L CON 01 24	L CON 01 CONS
L CON 02 5	WATER
<u> 29</u>	L CON 02 CONS
	WATER
	L CON 03 CONS
	WATER
	L CON 04 CONS
	WATER

Overwater Structures	QuadScore
L CON 01 15 docks or floats	Score 1 Score 2 Quad Score
L CON 02 3 docks	L CON 01 0.78 0.46 1
L CON 03 none	L CON 02 0.85 0.46 2
L CON 04 none	L CON 04 0.76 0.45 1
	L CON 03 0.72 0.42 1

Averages: 0.78 0.45 1

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
L CON 01	50.00	120.00	10.00	49.67	L CON 01	0.31
L CON 02	80.00	120.00	40.00	56.57	L CON 02	0.22
Averages:	65.00	120.00	25.00	53.12	L CON 03	0.00
					L CON 04	0.00
					Average:	0.13

Narrative

Conconully Reservoir is located in Section 18 T35N R25E. The reservoir is an artificial lake impounded by a USBOR dam built just below the confluence of the West and North Forks of Salmon Creek in 1910. Used for irrigation storage, the lake now supports broad recreational and residential uses. Surrounding land uses include open range, agriculture, urbanization and forest lands. Most of the land around the lake is owned by the federal Bureau of Reclamation with much of the north and western shorelines leased to the owners of private cabins and several small resorts. Public access is found along the NE corner at Conconully State Park, as well as at the southern shoreline at the dam.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SANPOIL RIVER	CRAWFISH LAKE	L CRA 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L CRA 00	37	31	5	1	0%	0%	0%	0%	0%	74%	0%	26%
Totals/Avgs:	37	31	5	1	0%	0%	0%	0%	0%	74%	0%	26%

Comprehensive Plan Designations

Unclassified
WATER

Public Access Points

0 DEVELOPED:
UNDEVELOPED:
INFORMAL:
UNKNOWN: 1

Zoning

MINREQ
WATER

Structures

L CRA 00	17
Total	17

Current Shoreline Designations

L CRA 00 RUR
WATER

Overwater Structures

L CRA 00 1 dock

Quad Score

	Score 1	Score 2	Quad Score
L CRA 00	0.84	0.44	2
Averages:	0.84	0.44	2

Setbacks

	Avg	Max	Min	Std Dev
L CRA 00	52.22	100.00	10.00	25.57
Averages:	52.22	100.00	10.00	25.57

Subdivision Density

9 L CRA 00	3.74
Average:	3.74

Narrative

Crawfish Lake is located in Section 35 T35N R29E. The lake is 80 acres in area. The lake sits in a shallow basin amidst a forested landscape of gentle slopes. About 1/3 of the shoreline is privately developed with recreational cabins, including some docks. Approximately half of the shoreline lies within the bounds of the Colville Indian Reservation. Public access is available at the northeast corner in USFS campground.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	DAVIS LAKE	L DAV 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
------------	--	---

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L DAV 00	23	20	3	0	0%	0%	0%	5%	10%	25%	5%	55%
Totals/Avgs:	23	20	3	0	0%	0%	0%	5%	10%	25%	5%	55%

Comprehensive Plan Designations

Sub-Unit B
Sub-Unit C

Public Access Points

DEVELOPED:
UNDEVELOPED:
INFORMAL:
UNKNOWN: 2

Zoning

Uplands

Structures

L DAV 00	0
Total	0

Current Shoreline Designations

L DAV 00 CONS

Overwater Structures

L DAV 00 none

Quad Score

	Score 1	Score 2	Quad Score
L DAV 00	0.83	0.40	2
Averages:	0.83	0.40	2

Setbacks

	Avg	Max	Min	Std Dev
L DAV 00				
Averages:				

Subdivision Density

0	L DAV 00	0.56
	Average:	0.56

Narrative

Davis Lake is located in Section 20 T34N R22E. The lake, 39.8 acres in area, is fed by an unnamed creek the flows in from the east; no outflow exists, though the lake does terminate to the north in a wetland. There is a public boat launch operated by WDFW at the northern tip of the lake and the southwestern quarter of the lake is owned by the federal government. A small RV park occupies the eastern shoreline. Otherwise, the lake is privately owned and surrounded by open range lands characterized by shrub-steppe habitat.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	DUCK LAKE	L DUC 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
------------	--	---

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L DUC 00	13	12	0	1	33%	0%	0%	0%	0%	25%	0%	42%
Totals/Avg:	13	12	0	1	33%	0%	0%	0%	0%	25%	0%	42%

Comprehensive Plan Designations	Public Access Points	Zoning
IA WATER	9 DEVELOPED: UNDEVELOPED: INFORMAL: UNKNOWN: 2	MINREQ WATER

Structures	Current Shoreline Designations
L DUC 00 0	L DUC 00 RUR
Total 0	WATER

Overwater Structures	QuadScore
L DUC 00 none	
	Score 1 Score 2 Quad Score
	L DUC 00 0.78 0.30 1
	Averages: 0.78 0.30 1

Setbacks	Subdivision Density
	L DUC 00 0.35
	Average: 0.35
Avg Max Min Std Dev	
L DUC 00 130.00 220.00 30.00 74.83	
Averages: 130.00 220.00 30.00 74.83	

Narrative

Duck Lake is located in Section 10 of T34N R26E. The lake is in a closed basin with no outflow. However it is fed by Johnson and Salmon Creeks as well as supplemented by irrigation diversions. The water is used for irrigation. Surrounding land uses included limited residential development and open range land. The margins of the shoreline support some woody vegetation. There is no public access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
UPPER OKANOGAN RIVER	EAST OSOYOOS	L OSO 03 L OSO 04

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

L OSO 03
L OSO 04

Totals/Avg:

Comprehensive Plan Designations	Public Access Points	Zoning
IA		MINREQ
IA		WATER
WATER		
WATER		

Structures	Current Shoreline Designations
L OSO 03 15	L OSO 03 SUB
L OSO 04 108	WATER
Total 123	L OSO 04 SUB
	WATER

Overwater Structures	QuadScore
L OSO 03 6 docks, 6 floats, 1 unknown	Score 1 Score 2 Quad Score
L OSO 04 10 docks, 2 floats	L OSO 04 0.80 0.41 1
L OSO 03 6 docks, 6 floats, 1 unknown	L OSO 03 0.84 0.43 2
L OSO 04 10 docks, 2 floats	Averages: 0.82 0.42 2

Setbacks	Subdivision Density
	8 L OSO 03 0.00
	9 L OSO 04 0.00
	Average: 0.00

Narrative

The East Osoyoos character zone is differentiated from West Osoyoos based on its relative lower level of development. While there are some undeveloped portions of the shoreline, the shoreline still remains primarily in agricultural use. In recent years there has been an emerging resort development as agricultural lands are converted. Access is on this side of the lake to private parcels and resorts. The entire lake is within the city of Oroville's UGA with much of the existing development served by city water and an growing number of sewer connections.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	EVANS LAKE	L EVA 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L EVA 00	4	4	0	0	50%	0%	0%	0%	0%	25%	0%	25%
Totals/Avgs:	4	4	0	0	50%	0%	0%	0%	0%	25%	0%	25%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		MINREQ

Structures	Current Shoreline Designations
L EVA 00	1
Total	1

Overwater Structures	QuadScore
L EVA 00	none
	Score 1 Score 2 Quad Score
	L EVA 00 0.82 0.34 1
	Averages: 0.82 0.34 1

Setbacks	Subdivision Density
	2 L EVA 00 0.14
Avg	Average: 0.14
L EVA 00	
550.00	
550.00	
550.00	
0.00	
Averages:	
550.00	
550.00	
550.00	
0.00	

Narrative
 Evan Lake is located in Section 28 of T35N R26E. It is a silt bottomed alkaline lake measuring 32.7 acres. The shoreline is entirely privately owned with no public access or road for access. Surrounding land uses include open space rangeland and one seasonal cabin.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
UPPER OKANOGAN RIVER	FANCHER DAM RES	L FAN 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L FAN 00	7	7	0	0	86%	0%	0%	0%	0%	0%	0%	14%
Totals/Avg:	7	7	0	0	86%	0%	0%	0%	0%	0%	0%	14%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		MINREQ

Structures	Current Shoreline Designations
L FAN 00	0
<hr/> Total	<hr/> 0
	L FAN 00 RUR

Overwater Structures	QuadScore
L FAN 00 none	
	Score 1 Score 2 Quad Score
	L FAN 00 0.75 0.49 1
	Averages: 0.75 0.49 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L FAN 00	3 L FAN 00 0.18
Averages:	Average: 0.18

Narrative
 Fancher Dam Reservoir is located in Section 35 T39N R28E. The lake is 26 acres in area. The reservoir is impounded by a dam built in 1923 at the headwaters of Antoine Creek for livestock watering. The southern shoreline and outflow area is heavily forested. There are no public access sites, as the shoreline is entirely privately owned.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MYERS	FIELDS LAKE	L FIE 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
------------	--	---

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L FIE 00	1	1	0	0	100%	0%	0%	0%	0%	0%	0%	0%
Totals/Avgs:	1	1	0	0	100%	0%	0%	0%	0%	0%	0%	0%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified		MINREQ

Structures	Current Shoreline Designations
L FIE 00	0
Total	0

Overwater Structures	QuadScore
L FIE 00	none
	Score 1 Score 2 Quad Score
	L FIE 00 0.73 0.58 3
	Averages: 0.73 0.58 3

Setbacks	Subdivision Density
Avg Max Min Std Dev	4 L FIE 00 0.02
L FIE 00	Average: 0.02
Averages:	

Narrative
 Fields Lake is located in Section 26 of T40N R29E. The lake measures 25 acres. The sinuous shoreline of the lake is lined by a narrow band of forested vegetation. The lake is fed by a perennial stream as part of the headwaters of Mary Ann Creek, a tributary to Myers Creek. The shoreline is owned by a single private ownership and has no public access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	FISH LAKE	L FIS 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L FIS 00	7	5	2	0	0%	0%	0%	0%	100%	0%	0%	0%
Totals/Avg:	7	5	2	0	0%	0%	0%	0%	100%	0%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	6 DEVELOPED: 4 UNDEVELOPED: INFORMAL: UNKNOWN:	MINREQ

Structures	Current Shoreline Designations
L FIS 00	L FIS 00 CONS
Total	0

Overwater Structures	QuadScore
L FIS 00 none	Score 1 Score 2 Quad Score
	L FIS 00 0.90 0.45 2
	Averages: 0.90 0.45 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	5 L FIS 00 0.08
L FIS 00	Average: 0.08
Averages:	

Narrative

Fish Lake is located in Sect 22 T36N R25E. The lake measures 101.6 acres. The lake is fed by Gibson Creek and sits in a narrow coulee where the outflow forms Coulee Creek. The northern shoreline is a steep, rocky slope with little vegetated cover. The southern and western shorelines support forested and wet meadows. Public access is provided via a road that circumscribes the lakeshore and campgrounds along the southern shore. The entire shoreline is owned by the USFS or WDFW.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER METHOW	GOLD CREEK	S GOL 01
		S GOL 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S GOL 01	25	24	1	0	17%	0%	0%	0%	0%	54%	0%	29%
S GOL 02	23	19	4	0	5%	0%	0%	0%	0%	68%	0%	26%
Totals/Avg:	48	43	5	0	11%	0%	0%	0%	0%	61%	0%	28%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Lower Methow	7 DEVELOPED:	MINREQ
Unclassified	UNDEVELOPED: 1	
Unclassified	INFORMAL:	
	UNKNOWN:	

Structures	Current Shoreline Designations
S GOL 01 18	S GOL 01 RUR
S GOL 02 10	S GOL 02 RUR
Total 28	Undesignated

Overwater Structures	QuadScore
S GOL 01 none	Score 1 Score 2 Quad Score
S GOL 02 2	S GOL 01 0.81 0.71 3
	S GOL 02 0.74 0.67 3
	Averages: 0.78 0.69 3

Setbacks	Subdivision Density
	8 S GOL 01 0.50
Avg Max Min Std Dev	9 S GOL 02 0.14
S GOL 01 170.00 630.00 30.00 194.53	Average: 0.32
S GOL 02 193.33 630.00 50.00 218.88	
Averages: 181.67 630.00 40.00 206.70	

Narrative

Gold Creek drains a narrow valley of shrub-steppe and forested slopes in the Lower Methow Sub-watershed (HUC 10). The drainage flows west to east and empties into the Methow River at RM 22.7 and the character zone includes roughly 4 ½ miles of shoreline. The lower 3.5 miles of the creek has been channelized with rip rap, restricting lateral channel movement (Methow Subbasin Plan, 2004). This character zone is surrounded by rural residential property that supports grazing and timber harvest. There

is no public access along the creek other than an undeveloped USFS site located just east of the Middle Fork Gold Creek Road.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SALMON CREEK	GREEN LAKE	L GRE 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L GRE 00	7	5	0	2	40%	0%	0%	0%	40%	0%	0%	20%
Totals/Avg:	7	5	0	2	40%	0%	0%	0%	40%	0%	0%	20%

Comprehensive Plan Designations	Public Access Points	Zoning
IA Unclassified WATER	8 DEVELOPED: 1 UNDEVELOPED: INFORMAL: UNKNOWN:	MINREQ WATER

Structures	Current Shoreline Designations
L GRE 00 0	L GRE 00 CONS
Total 0	RUR WATER

Overwater Structures	QuadScore
L GRE 00 none	Score 1 Score 2 Quad Score
	L GRE 00 0.87 0.45 2
	Averages: 0.87 0.45 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	6 L GRE 00 0.09
L GRE 00	Average: 0.09
Averages:	

Narrative
 Green Lake is located in Section 13 T34N R25E. The surface area measures 45 acres. The lake sits in a narrow forested valley and the lake is oriented north-south with an average width less than 500 ft. WDFW operates an access site on the eastern shoreline with a boat launch while the remaining shorelines are privately owned and undeveloped.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	HORSESHOE LAKE	L HOR 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L HOR 00	10	9	1	0	44%	0%	0%	0%	0%	22%	0%	33%
Totals/Avg:	10	9	1	0	44%	0%	0%	0%	0%	22%	0%	33%

Comprehensive Plan Designations

Unclassified

Public Access Points

9 DEVELOPED:
UNDEVELOPED: 1
INFORMAL:
UNKNOWN:

Zoning

MINREQ

Structures

L HOR 00

Total

Current Shoreline Designations

L HOR 00

CONS

Overwater Structures

L HOR 00 none

Quad Score

	Score 1	Score 2	Quad Score
L HOR 00	0.94	0.42	2
Averages:	0.94	0.42	2

Setbacks

	Avg	Max	Min	Std Dev
L HOR 00				

Averages:

Subdivision Density

7	L HOR 00	0.27
	Average:	0.27

Narrative

Horseshoe Lake is located in Section 17, T36N R26E, just east of Albright (Peninsula) Lake. It is an alkaline kettle lake measuring 36 acres. The majority of the shoreline is surrounded by open rangeland, though the southern boundary has been subdivided for seasonal homes. There is no established public access, however, there is a large parcel of state-owned land in the northwest corner of lake.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	KEYSTONE - TONASKET	S OKA 27 S OKA 28 S OKA 29 S OKA 30

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 27	20	17	0	3	65%	0%	6%	0%	0%	18%	0%	12%
S OKA 28	9	8	0	1	25%	0%	0%	0%	0%	63%	0%	13%
S OKA 29	58	57	0	1	39%	0%	4%	0%	0%	46%	0%	12%
S OKA 30	88	86	1	1	15%	7%	3%	0%	3%	63%	0%	8%
Totals/Avgs:	175	168	1	6	36%	2%	3%	0%	1%	47%	0%	11%

Comprehensive Plan Designations

IA
IA
IA
IA
IND
TC
Unclassified
WATER
WATER
WATER
WATER

Public Access Points

0 DEVELOPED:
UNDEVELOPED: 1
INFORMAL:
UNKNOWN: 1

Zoning

M-1
MINREQ
WATER

Structures

S OKA 27	19
S OKA 28	18
S OKA 29	46
S OKA 30	112
Total	195

Current Shoreline Designations

S OKA 27 RUR
 WATER
S OKA 28 RUR
 WATER
S OKA 29 RUR
 WATER
S OKA 30 CONS/URB
 RUR
 SUB
 WATER

Overwater Structures

QuadScore

S OKA 27	1			Score 1	Score 2	Quad Score	
S OKA 28	none			S OKA 27	0.81	0.65	3
S OKA 29	none			S OKA 28	0.84	0.64	4
S OKA 30	none			S OKA 29	0.83	0.65	4
				S OKA 30	0.67	0.60	3
				Averages:	0.79	0.64	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S OKA 27	323.75	860.00	70.00	268.64	S OKA 27	0.20
S OKA 28	581.43	1760.00	70.00	664.69	S OKA 28	0.21
S OKA 29	339.20	1330.00	30.00	329.73	S OKA 29	0.34
S OKA 30	320.82	860.00	60.00	211.59	S OKA 30	0.49
Averages:	391.30	1202.50	57.50	368.66	Average:	0.31

Narrative

The Keystone-Tonasket Character Zone extends south along the Okanogan River from the southern boundary of Tonasket at RM 56.1 – 52.3. This area occupies a broad floodplain with rural residential and agricultural uses. Residential and agricultural uses have minimized the extent of riparian vegetation as well as the complexity of the channel. The channel is primarily a single course though some mid-channel islands do exist, suggesting a degree of dynamism through this zone. There are no developed public access points throughout this section.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	KEYSTONE CANYON	S OKA 23 S OKA 24 S OKA 25 S OKA 26

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 23	47	44	1	2	82%	0%	0%	0%	0%	9%	0%	9%
S OKA 24	34	30	1	3	93%	3%	0%	0%	0%	3%	0%	0%
S OKA 25	24	21	2	1	90%	0%	0%	0%	0%	0%	0%	10%
S OKA 26	32	31	0	1	81%	0%	3%	0%	0%	10%	0%	6%
Totals/Avgs:	137	126	4	7	87%	1%	1%	0%	0%	6%	0%	6%

Comprehensive Plan Designations	PublicAccess Points	Zoning
IA	DEVELOPED:	MINREQ
IA	UNDEVELOPED: 3	WATER
IA	INFORMAL:	
IA	UNKNOWN: 2	
WATER		

Structures	Current Shoreline Designations
S OKA 23 42	S OKA 23 RUR WATER
S OKA 24 41	S OKA 24 CONS RUR WATER
S OKA 25 10	S OKA 25 CONS RUR WATER
S OKA 26 24	S OKA 26 RUR WATER
Total 117	

Overwater Structures	QuadScore
S OKA 23 none	Score 1 Score 2 Quad Score
S OKA 24 none	S OKA 23 0.70 0.62 3
	S OKA 24 0.87 0.63 4

S OKA 25	none	S OKA 25	0.88	0.69	4
S OKA 26	none	S OKA 26	0.83	0.61	4
		Averages:	0.82	0.64	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S OKA 23	335.00	840.00	50.00	266.71	S OKA 23	0.12
S OKA 24	300.00	870.00	50.00	352.34	S OKA 24	0.08
S OKA 25	355.00	970.00	50.00	385.16	S OKA 25	0.10
S OKA 26	414.17	1370.00	30.00	504.97	S OKA 26	0.25
Averages:	351.04	1012.50	45.00	377.30	Average:	0.14

Narrative

The Keystone Canyon Character Zone extends from the Janis Bridge at RM 52.3 to RM 41.7 just north of Riverside. The river is confined to a narrow, steep canyon through much of this zone, limiting the extent of a natural floodplain. Where a floodplain does exist, agricultural fields occupy the landscape, confining the river to a single channel. Much of this reach lacks robust riparian vegetation or channel complexity due to natural topography and agricultural conversion. Public access does not exist outside of informal right of ways or bridge crossings.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER METHOW	LAKE PATEROS	S COL 03 S MET 01 S MET 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S COL 03	59	54	3	2	11%	41%	4%	0%	28%	6%	2%	9%
S MET 01	53	46	5	2	2%	0%	0%	0%	30%	57%	0%	11%
S MET 02	54	49	4	1	18%	0%	0%	0%	22%	55%	0%	4%
Totals/Avg:	166	149	12	5	11%	14%	1%	0%	27%	39%	1%	8%

Comprehensive Plan Designations	Public Access Points	Zoning
CBD	2 DEVELOPED: 4	CBD
COM/RET	UNDEVELOPED:	COMRET
INTS AG	INFORMAL:	LI
Light Industrial	UNKNOWN:	MINREQ
PU		PU
PU		R1A
PU		TCD
SFR		WATER
SFR		
TC		
UGA-RES		
Unclassified		
Unclassified		
WATER		
WATER		
WATER		
WELLS DAM RES		

Structures	Count	Current Shoreline Designations
S COL 03	38	S COL 03 RUR URB WATER
S MET 01	30	S MET 01 RUR SUB WATER
S MET 02	40	S MET 02 RUR SUB
Total	108	

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S COL 03	5 docks, 1 pier				
S MET 01	1 dock, Bridge	S COL 03	0.78	0.61	3
S MET 02	1 float, 1 dock	S MET 01	0.83	0.40	2
		S MET 02	0.81	0.52	1
		Averages:	0.81	0.51	2

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S COL 03	182.92	520.00	50.00	106.10	S COL 03	0.66
S MET 01	72.63	120.00	1.00	21.28	S MET 01	2.01
S MET 02	107.93	300.00	20.00	69.46	S MET 02	0.91
Averages:	121.16	313.33	23.67	65.61	Average:	1.19

Narrative

Shorelines in the Lake Pateros Character Zone include the banks of the Columbia River along the Wells Pool running downstream from RM 523 to the confluence with the Methow River and extending up the Methow to RM 1.7. It is characterized by the inundation zone of the Wells Pool along the Columbia and the Methow within the urban growth boundary of Pateros. This area has been heavily altered by inundation and filling. The entire shoreline is composed of up to nine feet of fill and is therefore supported by continuous rip rap along the shoreline. The majority of the waterfront shoreline is owned by the Douglas County PUD. Native riparian vegetation can be found in portions of the Methow River where mid-channel islands, bars, and wetlands have been established for wildlife. The majority of the zone, however, is dominated by residential lawns or parkland landscaping along the PUD lands. Residential and commercial development line the north bank of Lake Pateros and the Methow River while public access is provided in the at numerous PUD locations and city parks. WDFW operates 2 access sites in this reach, including a boat launch and fishing site. It is a popular site for all types of watercraft including rafts, kayaks, motorized boats and jet skis. The WDFW site on the south bank of the Methow across from Pateros is the primary take-out site for commercial float trips on the lower Methow River.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	LEADER LAKE	L LEA 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L LEA 00	7	6	1	0	67%	0%	0%	0%	0%	0%	0%	33%
Totals/Avg:	7	6	1	0	67%	0%	0%	0%	0%	0%	0%	33%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	3 DEVELOPED: 1 UNDEVELOPED: INFORMAL: UNKNOWN:	MINREQ

Structures	Current Shoreline Designations
L LEA 00	L LEA 00 RUR
<hr/>	
Total	

Overwater Structures	QuadScore
L LEA 00 none	Score 1 Score 2 Quad Score
	L LEA 00 0.75 0.51 1
	Averages: 0.75 0.51 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	8 L LEA 00 0.08
L LEA 00	Average: 0.08
<hr/>	
Averages:	

Narrative

Leader Lake is located in Section 16 T33N R25E. The lake area measures 155 acres and the perimeter is 4 miles in length. The lake is a natural lake supplemented by diversions from Loup Loup Creek and artificially controlled by a dam built circa 1910, but would otherwise drain into Tallant Creek. The shoreline is surrounded by open range lands and sparsely forested hillsides. Approximated 1/3 of the western shoreline is publicly owned and operated by WDFW for fishing, boating, and camping access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	LEMANASKI LAKE	L LEM 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L LEM 00	10	10	0	0	80%	0%	0%	0%	0%	20%	0%	0%
Totals/Avg:	10	10	0	0	80%	0%	0%	0%	0%	20%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	4 DEVELOPED: UNDEVELOPED: INFORMAL: UNKNOWN: 1	MINREQ

Structures	Current Shoreline Designations
L LEM 00	L LEM 00 RUR
Total	6

Overwater Structures	QuadScore
L LEM 00 none	Score 1 Score 2 Quad Score
	L LEM 00 0.75 0.42 1
	Averages: 0.75 0.42 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	9 L LEM 00 0.23
L LEM 00	Average: 0.23
Averages:	500.00 580.00 350.00 130.00

Narrative

Lemanaski Lake is located in Section 3 T37N R25E. The lake measures 20 acres. There is a private dam that impounds the lake to supplement water supply. The lake is privately owned with no public access other than informal ROW access along the western shoreline.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	LITTLE TWIN LAKE	L LIT 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L LIT 00	16	13	2	1	0%	0%	0%	0%	8%	15%	8%	69%
Totals/Avg:	16	13	2	1	0%	0%	0%	0%	8%	15%	8%	69%

Comprehensive Plan Designations

Sub-Unit B
WATER

Public Access Points

Zoning

Valley Floor
WATER

Structures

L LIT 00	3
Total	3

Current Shoreline Designations

L LIT 00 CONS
WATER

Overwater Structures

L LIT 00 none

QuadScore

	Score 1	Score 2	Quad Score
L LIT 00	0.78	0.42	1
Averages:	0.78	0.42	1

Setbacks

	Avg	Max	Min	Std Dev
L LIT 00	220.00	270.00	170.00	70.71
Averages:	220.00	270.00	170.00	70.71

Subdivision Density

0	L LIT 00	0.55
	Average:	0.55

Narrative

Little Twin Lake is located in Section 14 T34N R21E. Similar to Big Twin Lake, the water is ground fed and sits in a steep basin. Little Twin Lakes shares a boat launch access site with Big Twin Lake and is otherwise surrounded by private community open space owned by the surrounding rural residents.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SANPOIL RIVER	LOST CREEK	S LOS 01 S LOS 02 S LOS 03 S LOS 04 S LOS 06 S LOS 07

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S LOS 01	7	1	6	0	100%	0%	0%	0%	0%	0%	0%	0%
S LOS 02	5	2	3	0	100%	0%	0%	0%	0%	0%	0%	0%
S LOS 03	2	1	1	0	100%	0%	0%	0%	0%	0%	0%	0%
S LOS 04	4	2	2	0	100%	0%	0%	0%	0%	0%	0%	0%
S LOS 06	2	1	1	0	0%	0%	0%	0%	0%	100%	0%	0%
S LOS 07	6	3	3	0	0%	0%	0%	0%	0%	33%	0%	67%
Totals/Avg:	26	10	16	0	67%	0%	0%	0%	0%	22%	0%	11%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified		MINREQ
Unclassified		

Structures	Current Shoreline Designations
S LOS 01	S LOS 01 RUR
S LOS 02	Undesignated
S LOS 03	S LOS 02 Undesignated
S LOS 04	S LOS 03 Undesignated
S LOS 06	S LOS 04 Undesignated
S LOS 07	S LOS 06 Undesignated
S LOS 07	S LOS 07 Undesignated
Total	2

Overwater Structures	QuadScore	Score 1	Score 2	Quad Score
S LOS 01 1	S LOS 01	0.94	0.30	2

S LOS 02	none	S LOS 02	0.93	0.50	2
S LOS 03	none	S LOS 03	0.95	0.42	2
S LOS 04	none	S LOS 04	0.96	0.39	2
S LOS 06	none	S LOS 06	0.84	0.31	2
S LOS 07	none	S LOS 07	0.92	0.40	2
		Averages:	0.92	0.39	2

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S LOS 01					S LOS 01	0.06
S LOS 02					S LOS 02	0.08
S LOS 03					S LOS 03	0.11
S LOS 04					S LOS 04	0.06
S LOS 06	600.00	600.00	600.00	0.00	S LOS 06	0.12
S LOS 07	600.00	600.00	600.00	0.00	S LOS 07	0.09
Averages:	600.00	600.00	600.00	0.00	Average:	0.09

Narrative

Lost Creek flows in a northeast direction from T34N, R30E to T35N, R31E approximately 7 miles. The creek lies in a V-shaped basin and drains a gently sloping, forested landscape almost entirely owned by the ONF before it enters into the West Fork of the Sanpoil River. Surrounding land uses are forestry and open rangelands. No developed public access exists.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER METHOW	LOWER METHOW	S MET 03 S MET 04 S MET 05

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 03	93	80	11	2	60%	0%	0%	0%	9%	15%	0%	16%
S MET 04	18	14	2	2	79%	0%	0%	0%	7%	7%	0%	7%
S MET 05	103	87	8	8	62%	3%	0%	0%	3%	18%	0%	13%
Totals/Avg:	214	181	21	12	67%	1%	0%	0%	6%	14%	0%	12%

Comprehensive Plan Designations	Public Access Points	Zoning
UGA-RES	7 DEVELOPED: 1	MINREQ
Unclassified	UNDEVELOPED: 4	WATER
Unclassified	INFORMAL:	
Unclassified	UNKNOWN: 1	
WATER		
WATER		
WATER		

Structures	Current Shoreline Designations
S MET 03 93	S MET 03 RUR
S MET 04 7	WATER
S MET 05 58	S MET 04 RUR
Total 158	WATER
	S MET 05 RUR
	WATER

Overwater Structures	QuadScore
S MET 03 2	Score 1 Score 2 Quad Score
S MET 04 none	S MET 03 0.78 0.68 3
S MET 05 1	S MET 04 0.82 0.68 3
	S MET 05 0.84 0.69 4
	Averages: 0.81 0.68 3

Setbacks	Subdivision Density
Avg Max Min Std Dev	8 S MET 03 0.23
S MET 03 330.34 1020.00 40.00 247.68	9 S MET 04 0.48
S MET 04 490.00 820.00 140.00 330.86	0 S MET 05 0.33

S MET 05	247.19	710.00	30.00	163.18	Average:	0.35
Averages:	355.84	850.00	70.00	247.24		

Narrative

The Lower Methow Character Zone extends from RM 12.8 beginning at the southern boundary of the population center known as Methow to the inundation zone of Lake Pateros at RM 1.7. This shoreline landscape is characterized by steep bluffs that form narrow reaches of canyon topped by wide benches that support rural residential development and orchards. Sandy point bar beaches are formed through wider reaches in this section and this zone is popular for white water rafting. It is served by informal access points at HWY 153 bridge crossings at RM 5 and 6 and an access using County road right of way at the Burma Road Bridge. USFS owns parcels along the shoreline between RM 9-10 which hold potential for access, however, only a single developed access point exists (A WDFW site at RM-___) between Methow and the WDFW sites on Lake Pateros as the majority of this reach is privately owned.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
METHOW RIVER	LOWER METHOW	S MET 03 S MET 04 S MET 05

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 03	93	80	11	2	60%	0%	0%	0%	9%	15%	0%	16%
S MET 04	18	14	2	2	79%	0%	0%	0%	7%	7%	0%	7%
S MET 05	103	87	8	8	62%	3%	0%	0%	3%	18%	0%	13%
Totals/Avgs:	214	181	21	12	67%	1%	0%	0%	6%	14%	0%	12%

Comprehensive Plan Designations	Public Access Points	Zoning
UGA-RES	7 DEVELOPED: 1	MINREQ
Unclassified	UNDEVELOPED: 4	WATER
Unclassified	INFORMAL:	
Unclassified	UNKNOWN: 1	
WATER		
WATER		
WATER		

Structures	Current Shoreline Designations
S MET 03 93	S MET 03 RUR
S MET 04 7	WATER
S MET 05 58	S MET 04 RUR
Total 158	WATER
	S MET 05 RUR
	WATER

Overwater Structures	QuadScore
S MET 03 2	Score 1 Score 2 Quad Score
S MET 04 none	S MET 03 0.78 0.68 3
S MET 05 1	S MET 04 0.82 0.68 3
	S MET 05 0.84 0.69 4
	Averages: 0.81 0.68 3

Setbacks	Subdivision Density
Avg Max Min Std Dev	8 S MET 03 0.23
S MET 03 330.34 1020.00 40.00 247.68	9 S MET 04 0.48
S MET 04 490.00 820.00 140.00 330.86	0 S MET 05 0.33
S MET 05 247.19 710.00 30.00 163.18	Average: 0.35

Averages:	355.84	850.00	70.00	247.24
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Narrative

The Lower Methow Character Zone extends from RM 12.8 beginning at the southern boundary of the population center known as Methow to the inundation zone of Lake Pateros at RM 1.7. This shoreline landscape is characterized by steep bluffs that form narrow reaches of canyon topped by wide benches that support rural residential development and orchards. Sandy point bar beaches are formed through wider reaches in this section and this zone is popular for white water rafting. It is served by informal access points at HWY 153 bridge crossings at RM 5 and 6 and an access using County road right of way at the Burma Road Bridge. USFS owns parcels along the shoreline between RM 9-10 which hold potential for access, however, only a single developed access point exists (A WDFW site at RM-___) between Methow and the WDFW sites on Lake Pateros as the majority of this reach is privately owned.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	LOWER OKANOGAN	S OKA 02
		S OKA 03
		S OKA 04
		S OKA 05
		S OKA 06
		S OKA 07
		S OKA 08
		S OKA 09

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 02	12	11	0	1	55%	0%	0%	0%	36%	0%	0%	9%
S OKA 03	44	37	3	4	35%	0%	0%	0%	57%	8%	0%	0%
S OKA 04	16	13	1	2	38%	0%	0%	0%	46%	8%	0%	8%
S OKA 05	37	35	1	1	26%	0%	0%	0%	54%	17%	0%	3%
S OKA 06	30	27	0	3	30%	0%	0%	0%	48%	11%	0%	11%
S OKA 07	32	30	1	1	33%	0%	0%	0%	50%	10%	0%	7%
S OKA 08	7	6	0	1	17%	0%	0%	0%	33%	33%	0%	17%
S OKA 09	72	71	0	1	18%	6%	4%	0%	3%	39%	0%	30%
Totals/Avg:	250	230	6	14	31%	1%	1%	0%	41%	16%	0%	10%

Comprehensive Plan Designations

Public Access Points

Zoning

IA
 IA
 IA
 IA
 IA
 IA
 IA
 IA
 IA
 SUB RES
 WATER
 WATER
 WATER
 WATER
 WATER
 WATER

8 DEVELOPED: 2
 UNDEVELOPED: 9
 INFORMAL:
 UNKNOWN: 2

MINREQ
 WATER

WATER
 WATER
 WELLS DAM RES
 WELLS DAM RES

Structures		Current Shoreline Designations	
S OKA 02	2	S OKA 02	RUR
S OKA 03	10		Undesignated WATER
S OKA 04	4	S OKA 03	RUR
S OKA 05	15		Undesignated WATER
S OKA 06	11	S OKA 04	RUR
S OKA 07	16		Undesignated WATER
S OKA 08	7	S OKA 05	RUR
S OKA 09	45		Undesignated WATER
Total	110	S OKA 06	RUR
			Undesignated WATER
		S OKA 07	RUR
			Undesignated WATER
		S OKA 08	RUR
			Undesignated WATER
		S OKA 09	RUR
			Undesignated WATER

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S OKA 03	1 dock	S OKA 02	0.81	0.43	1
S OKA 05	1 dock	S OKA 03	0.79	0.47	1
S OKA 02	none	S OKA 04	0.78	0.52	1
S OKA 04	none	S OKA 05	0.94	0.46	2
S OKA 06	none	S OKA 06	0.95	0.49	2
S OKA 07	none	S OKA 07	0.89	0.59	4
S OKA 08	none	S OKA 08	0.88	0.65	4
S OKA 09	1	S OKA 09	0.83	0.60	4
		Averages:	0.86	0.53	2

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S OKA 02	300.00	300.00	300.00	0.00	S OKA 02	0.44
					S OKA 03	0.38

S OKA 03	191.67	360.00	40.00	140.63	S OKA 04	0.28
S OKA 04	93.33	150.00	40.00	55.08	S OKA 05	0.51
S OKA 05	447.75	1110.00	1.00	410.87	S OKA 06	0.41
S OKA 06	291.43	530.00	90.00	180.87	S OKA 07	0.28
S OKA 07	322.22	920.00	140.00	256.11	S OKA 08	0.39
S OKA 08	153.33	240.00	80.00	80.83	S OKA 09	0.62
S OKA 09	324.81	1670.00	60.00	333.62	Average:	0.41
Averages:	265.57	660.00	93.88	182.25		

Narrative

The Lower Okanogan Character Zone extends from RM 16.7 of the mainstem of the Okanogan River downstream to the confluence with the Columbia River at the northern UGA boundary of Brewster. This reach of the river is impounded by Wells Dam on the Columbia River, creating a large, slow moving pool. The shoreline is dominated by agricultural uses, primarily orchards and hay fields. Riparian vegetation is stable due to the infrequent scour and flooding in this zone caused by the impoundment. The banks are silt and sand. The river divides Okanogan County shoreline jurisdiction from the Colville Confederate Tribe's jurisdiction on the eastern shoreline. Public access along the Lower Okanogan can be found at RM 0.5 at a WDFW fishing access and again at RM 4.5 at a PUD site. Between RM 4.5-16.7 no developed access exists. Informal access can be found along Monse River Road in the lower few miles, but otherwise this zone has limited access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SALMON CREEK	LOWER SALMON	S SAL 01

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S SAL 01	65	64	2	0	13%	5%	0%	0%	2%	44%	0%	36%
Totals/Avg:	65	64	2	0	13%	5%	0%	0%	2%	44%	0%	36%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		C-1 MINREQ R-3

Structures	Current Shoreline Designations
S SAL 01 2	S SAL 01 Undesignated
<u>Total</u> 2	

Overwater Structures	QuadScore
S SAL 01 6	Score 1 Score 2 Quad Score
	S SAL 01 0.78 0.52 1
	Averages: 0.78 0.52 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	8 S SAL 01 0.46
S SAL 01 310.00 310.00 310.00 0.00	Average: 0.46
Averages: 310.00 310.00 310.00 0.00	

Narrative
 The Lower Salmon Character Zone extends from approximately RM 4.3 at the Okanogan Irrigation Diversion Dam to the Confluence with the Okanogan River. This portion of Salmon Creek does not satisfy the 20 cfs minimum for inclusion in the SMP. However, restoration efforts by the Colville Confederated tribes are securing 10 cfs for Steelhead habitat.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER SIMILKAMEEN RIVER	LOWER SIMILKAMEEN	S SIM 03

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S SIM 03	41	31	2	8	52%	0%	10%	0%	16%	3%	0%	16%
Totals/Avg:	41	31	2	8	52%	0%	10%	0%	16%	3%	0%	16%

Comprehensive Plan Designations

Unclassified
WATER

Public Access Points

0 DEVELOPED: 2
UNDEVELOPED: 3
INFORMAL:
UNKNOWN: 1

Zoning

MINREQ
WATER

Structures

S SIM 03
Total

Current Shoreline Designations

S SIM 03
CONS
RUR
WATER

Overwater Structures

S SIM 03 1

Quad Score

	Score 1	Score 2	Quad Score
S SIM 03	0.81	0.48	1
Averages:	0.81	0.48	1

Setbacks

	Avg	Max	Min	Std Dev
S SIM 03				
Averages:				

Subdivision Density

8 S SIM 03	0.00
Average:	0.00

Narrative

The Lower Similkameen Character Zone includes those shorelines adjacent to the Similkameen River from RM 8.8 at the Enloe Dam downstream to the vicinity of the old rail trestle (RM 6.5). This is a turbulent section of river incised into a steep, sparsely vegetated bedrock canyon.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SINLAHEKIN RIVER	LOWER SINLAHEKIN	S SIN 01 S SIN 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S SIN 01	30	28	2	0	96%	0%	0%	0%	0%	0%	0%	4%
S SIN 02	9	8	1	0	100%	0%	0%	0%	0%	0%	0%	0%
Totals/Avgs:	39	36	3	0	98%	0%	0%	0%	0%	0%	0%	2%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified	DEVELOPED:	MINREQ
Unclassified	UNDEVELOPED: 1	
	INFORMAL:	
	UNKNOWN:	

Structures	Current Shoreline Designations
S SIN 01 7	S SIN 01 RUR
S SIN 02 6	S SIN 02 RUR
Total 13	

Overwater Structures	QuadScore
S SIN 01 1	Score 1 Score 2 Quad Score
S SIN 02 none	S SIN 01 0.85 0.48 2
	S SIN 02 0.80 0.39 1
	Averages: 0.83 0.44 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	6 S SIN 01 0.04
S SIN 01 1375.00 2300.00 700.00 763.22	7 S SIN 02 0.04
S SIN 02 1033.33 1300.00 800.00 251.66	Average: 0.04
Averages: 1204.17 1800.00 750.00 507.44	

Narrative

The Lower Sinlahekin Character zone reaches from RM 10 on Sinlahekin Creek at the confluence with Toats Coulee to RM 6.5 where the river empties into Palmer Lake. The river is highly sinuous and historically would have been multi-channeled. However, surrounding agricultural uses have restrained the river to a single channel. Nonetheless, at the Toats Coulee confluence, a wide wetland complex exists. No public access is found within this portion of the river.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
COLUMBIA RIVER	LOWER WELLS POOL	S COL 01
		S COL 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S COL 01	40	36	3	1	33%	0%	0%	0%	50%	8%	0%	8%
S COL 02	23	18	3	2	17%	0%	0%	0%	39%	11%	0%	33%
Totals/Avgs:	63	54	6	3	25%	0%	0%	0%	44%	10%	0%	21%

Comprehensive Plan Designations	Public Access Points	Zoning
IA	2 DEVELOPED: UNDEVELOPED: 1	MINREQ
IA		WATER
Unclassified	INFORMAL:	
WATER	UNKNOWN:	
WATER		
Wells Dam Res		
Wells Dam Res		

Structures	Current Shoreline Designations
S COL 01	S COL 01 RUR
S COL 02	WATER
Total	S COL 02 RUR
	WATER

Overwater Structures	Quad Score			
S COL 01 none		Score 1	Score 2	Quad Score
S COL 02 none	S COL 01	0.80	0.65	3
	S COL 02	0.85	0.65	4
	Averages:	0.83	0.65	4

Setbacks	Subdivision Density	
Avg Max Min Std Dev	S COL 01	0.32
S COL 01	2 S COL 02	0.36
S COL 02	Average:	0.34
Averages:		

Narrative

Shorelines in the Lower Wells Pool Character Zone include the banks of the Columbia River along the Wells Pool running from RM 517-522 just south of the confluence with the Methow River. The shoreline here has been greatly modified by inundation from hydroelectric development. Land uses through this

zone include agriculture and grazing and the shoreline is largely owned by the Douglas County PUD. One developed WDFW public access is located near RM 518.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	MALOTT LAMIRD	S OKA 09 S OKA 10

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 09	72	71	0	1	18%	6%	4%	0%	3%	39%	0%	30%
S OKA 10	64	63	0	1	37%	0%	3%	0%	0%	43%	0%	17%
Totals/Avgs:	136	134	0	2	27%	3%	4%	0%	1%	41%	0%	24%

Comprehensive Plan Designations	PublicAccess Points	Zoning
IA		MINREQ
IA		WATER
SUB RES		
SUB RES		
WATER		
WATER		
WELLS DAM RES		

Structures	Current Shoreline Designations
S OKA 09 45	S OKA 09 RUR
S OKA 10 68	Undesignated
<u>113</u>	WATER
	S OKA 10 RUR
	Undesignated
	WATER

Overwater Structures	QuadScore
S OKA 10 1 dock	
S OKA 09 1	
	Score 1 Score 2 Quad Score
	S OKA 09 0.83 0.60 4
	S OKA 10 0.77 0.62 3
	<u>Averages: 0.80 0.61 4</u>

Setbacks	Subdivision Density
Avg Max Min Std Dev	
S OKA 09 324.81 1670.00 60.00 333.62	4 S OKA 09 0.62
S OKA 10 298.85 710.00 2.00 187.95	5 S OKA 10 0.44
Averages: 311.83 1190.00 31.00 260.78	Average: 0.53

Narrative

The Malott LAMIRD Character Zone includes those shorelines within this unincorporated community along the main stem of the Okanogan River and its tributary, Loup Loup Creek. The Okanogan River shorelines in the LAMIRD contain residential and some limited commercial development. Loup Loup Creek contains native resident trout and steelhead but suffers from de-watering from irrigation diversions farther upstream. Eastern brook trout have likely out-competed native bull trout in the system. Anadromous fish cannot pass beyond RM 1 on Loup Loup Creek where a natural falls occurs. Shorelines in Malott support rural, low density residential and agricultural uses.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	MAZAMA	S MET 31 S MET 32 S MET 33 S MET 34 S MET 35 S MET 36 S MET 37 S WOL 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 31	28	23	3	2	30%	0%	0%	0%	9%	43%	0%	17%
S MET 32	31	28	2	1	7%	0%	0%	0%	0%	29%	0%	64%
S MET 33	76	71	4	1	27%	0%	0%	0%	15%	32%	1%	24%
S MET 34	36	31	4	1	16%	6%	0%	0%	3%	29%	0%	45%
S MET 35	79	76	3	0	0%	0%	0%	0%	5%	14%	0%	80%
S MET 36	39	36	2	1	3%	0%	0%	0%	6%	36%	0%	56%
S MET 37	134	115	17	2	12%	0%	0%	0%	0%	31%	0%	57%
S WOL 00	38	35	3	0	29%	0%	0%	0%	0%	34%	0%	37%
Totals/Avg:	461	415	38	8	15%	1%	0%	0%	5%	31%	0%	48%

Comprehensive Plan Designations

Public Access Points

Zoning

Early Winters
 Mazama
 Mazama Rural
 Mazama Rural
 Mazama Rural
 Mazama Rural
 Mazama Rural
 Rockview/Big Val
 Rockview/Big Val
 Rockview/Big Val
 Sub-Unit B
 Sub-Unit B
 Sub-Unit B
 WATER
 WATER

4 DEVELOPED: 6
 UNDEVELOPED: 13
 INFORMAL:
 UNKNOWN:

Rural Residential
 Special Review
 Comm
 Uplands
 Urban Residential
 WATER

WATER
 WATER
 WATER
 WATER
 Wolf Creek
 Wolf Creek
 Wolf Creek
 Wolf Creek

Structures		Current Shoreline Designations	
S MET 31	25	S MET 31	RUR
S MET 32	11		WATER
S MET 33	24	S MET 32	RUR
S MET 34	16		WATER
S MET 35	14	S MET 33	CONS
S MET 36	14		RUR
S MET 37	76		WATER
S WOL 00	10	S MET 34	RUR
			Undesignated
Total	190		WATER
		S MET 35	RUR
		S MET 36	CONS
			RUR
			WATER
		S MET 37	CONS
			RUR
			WATER
		S WOL 00	RUR

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S MET 33	1 dock	S MET 31	0.82	0.72	3
S MET 34	1 dock, 1 Bridge	S MET 32	0.82	0.68	3
S MET 31	none	S MET 33	0.88	0.86	4
S MET 32	none	S MET 34	0.87	0.76	4
S MET 35	none	S MET 35	0.96	0.82	4
S MET 36	none	S MET 36	0.90	0.83	4
S MET 37	1	S MET 37	0.83	0.79	4
S WOL 00	1	S WOL 00	0.79	0.73	3
Averages:			0.86	0.77	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S MET 31	213.33	970.00	20.00	250.21	S MET 31	0.45
S MET 32	462.22	990.00	70.00	422.99	S MET 32	0.28
S MET 33	443.64	1500.00	50.00	449.59	S MET 33	0.08
S MET 34	678.00	1500.00	70.00	534.25	S MET 34	0.17
S MET 35	236.75	1000.00	1.00	277.32	S MET 35	0.31
S MET 36	790.00	1840.00	50.00	573.80	S MET 36	0.15
S MET 37	375.28	1430.00	30.00	394.13	S MET 37	0.34
S WOL 00	251.25	970.00	80.00	294.59	S WOL 00	0.39
					Average:	0.27

Averages:	431.31	1275.00	46.38	399.61
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Narrative

The Mazama Character Zone begins at RM 67.5, where Early Winters Creek flows into the Methow River just upstream from the population center known as Mazama. This zone extends downstream through a wide glacially carved valley to RM 50.9 just west of the Town of Winthrop's Urban Growth Boundary. In addition to shorelines along the mainstem, this zone also includes shorelines associated with Wolf Creek extending approximately 2 miles upstream to the 20 cfs mark. Major tributaries include Goat Creek, Fawn Creek, and Wolf Creek. The Methow River is very dynamic through this zone, supporting a wide flood plain and channel migration zone with robust riparian forests, side channel habitats, and ox-bow wetlands. Despite the high level of ecologic integrity in this zone, shoreline modifications have been made for highway and property protection. Surrounding land uses are characterized by irrigated hay fields, rural residences, seasonal homes, and small-scale resorts and rentals. Access to the river includes Big Valley Ranch, a WDFW property; the Community trail in Mazama; and Early Winters Campground at the confluence of Early Winters Creek and the Methow River. There are also informal access points along road right of ways and at private common areas created via short and long plats.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
UPPER METHOW	MAZAMA	S MET 31 S MET 32 S MET 33 S MET 34 S MET 35 S MET 36 S MET 37 S WOL 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; text-align: center;">Column Key</td> <td style="width: 30%;">(a) Number of Parcels</td> <td style="width: 30%;">(g) Industrial</td> </tr> <tr> <td></td> <td>(b) Parcels Analyzed</td> <td>(h) Mining</td> </tr> <tr> <td></td> <td>(c) Unknown Use</td> <td>(i) Public Use</td> </tr> <tr> <td></td> <td>(d) Number of Water Parcels</td> <td>(j) Residential</td> </tr> <tr> <td></td> <td>(e) Agriculture</td> <td>(k) Resort/Camp</td> </tr> <tr> <td></td> <td>(f) Commercial</td> <td>(l) Undeveloped</td> </tr> </table>												Column Key	(a) Number of Parcels	(g) Industrial		(b) Parcels Analyzed	(h) Mining		(c) Unknown Use	(i) Public Use		(d) Number of Water Parcels	(j) Residential		(e) Agriculture	(k) Resort/Camp		(f) Commercial	(l) Undeveloped
	Column Key	(a) Number of Parcels	(g) Industrial																											
	(b) Parcels Analyzed	(h) Mining																												
	(c) Unknown Use	(i) Public Use																												
	(d) Number of Water Parcels	(j) Residential																												
	(e) Agriculture	(k) Resort/Camp																												
	(f) Commercial	(l) Undeveloped																												
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)																		
S MET 31	28	23	3	2	30%	0%	0%	0%	9%	43%	0%	17%																		
S MET 32	31	28	2	1	7%	0%	0%	0%	0%	29%	0%	64%																		
S MET 33	76	71	4	1	27%	0%	0%	0%	15%	32%	1%	24%																		
S MET 34	36	31	4	1	16%	6%	0%	0%	3%	29%	0%	45%																		
S MET 35	79	76	3	0	0%	0%	0%	0%	5%	14%	0%	80%																		
S MET 36	39	36	2	1	3%	0%	0%	0%	6%	36%	0%	56%																		
S MET 37	134	115	17	2	12%	0%	0%	0%	0%	31%	0%	57%																		
S WOL 00	38	35	3	0	29%	0%	0%	0%	0%	34%	0%	37%																		
Totals/Avg:	461	415	38	8	15%	1%	0%	0%	5%	31%	0%	48%																		

Comprehensive Plan Designations

Public Access Points

Zoning

Early Winters
 Mazama
 Mazama Rural
 Mazama Rural
 Mazama Rural
 Mazama Rural
 Mazama Rural
 Rockview/Big Val
 Rockview/Big Val
 Rockview/Big Val
 Sub-Unit B
 Sub-Unit B
 Sub-Unit B
 WATER
 WATER
 WATER
 WATER

4 DEVELOPED: 6
 UNDEVELOPED: 13
 INFORMAL:
 UNKNOWN:

Rural Residential
 Special Review
 Comm
 Uplands
 Urban Residential
 WATER

WATER
 WATER
 Wolf Creek
 Wolf Creek
 Wolf Creek
 Wolf Creek

Structures		Current Shoreline Designations	
S MET 31	25	S MET 31	RUR WATER
S MET 32	11	S MET 32	RUR WATER
S MET 33	24	S MET 33	CONS RUR WATER
S MET 34	16	S MET 34	RUR Undesignated
S MET 35	14	S MET 35	RUR
S MET 36	14	S MET 36	CONS RUR WATER
S MET 37	76	S MET 37	CONS RUR WATER
S WOL 00	10	S WOL 00	RUR
Total	190		

Overwater Structures		QuadScore			
		Score 1	Score 2	Quad Score	
S MET 33	1 dock	S MET 31	0.82	0.72	3
S MET 34	1 dock, 1 Bridge	S MET 32	0.82	0.68	3
S MET 31	none	S MET 33	0.88	0.86	4
S MET 32	none	S MET 34	0.87	0.76	4
S MET 35	none	S MET 35	0.96	0.82	4
S MET 36	none	S MET 36	0.90	0.83	4
S MET 37	1	S MET 37	0.83	0.79	4
S WOL 00	1	S WOL 00	0.79	0.73	3
		Averages:	0.86	0.77	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S MET 31	213.33	970.00	20.00	250.21	S MET 31	0.45
S MET 32	462.22	990.00	70.00	422.99	S MET 32	0.28
S MET 33	443.64	1500.00	50.00	449.59	S MET 33	0.08
S MET 34	678.00	1500.00	70.00	534.25	S MET 34	0.17
S MET 35	236.75	1000.00	1.00	277.32	S MET 35	0.31
S MET 36	790.00	1840.00	50.00	573.80	S MET 36	0.15
S MET 37	375.28	1430.00	30.00	394.13	S MET 37	0.34
S WOL 00	251.25	970.00	80.00	294.59	S WOL 00	0.39
Averages:	431.31	1275.00	46.38	399.61	Average:	0.27

Narrative

The Mazama Character Zone begins at RM 67.5, where Early Winters Creek flows into the Methow River just upstream from the population center known as Mazama. This zone extends downstream through a wide glacially carved valley to RM 50.9 just west of the Town of Winthrop's Urban Growth Boundary. In addition to shorelines along the mainstem, this zone also includes shorelines associated with Wolf Creek extending approximately 2 miles upstream to the 20 cfs mark. Major tributaries include Goat Creek, Fawn Creek, and Wolf Creek. The Methow River is very dynamic through this zone, supporting a wide flood plain and channel migration zone with robust riparian forests, side channel habitats, and ox-bow wetlands. Despite the high level of ecologic integrity in this zone, shoreline modifications have been made for highway and property protection. Surrounding land uses are characterized by irrigated hay fields, rural residences, seasonal homes, and small-scale resorts and rentals. Access to the river includes Big Valley Ranch, a WDFW property; the Community trail in Mazama; and Early Winters Campground at the confluence of Early Winters Creek and the Methow River. There are also informal access points along road right of ways and at private common areas created via short and long plats.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	MEDICINE LAKE	L MED 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L MED 00	4	4	0	0	100%	0%	0%	0%	0%	0%	0%	0%
Totals/Avgs:	4	4	0	0	100%	0%	0%	0%	0%	0%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		MINREQ

Structures	Current Shoreline Designations
L MED 00	L MED 00 CONS
<hr/> Total	

Overwater Structures	QuadScore
L MED 00 none	
	Score 1 Score 2 Quad Score
	<hr/> L MED 00 0.83 0.38 2
	Averages: 0.83 0.38 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L MED 00	<hr/> L MED 00 0.13
Averages:	Average: 0.13

Narrative
 Medicine Lake is located in Section 5 T35N R26E. It is an alkaline, kettle lake measuring 43.1 acres. The shoreline is entirely privately owned with no public access and surrounded by open range land.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER METHOW	METHOW - CARLTON	S MET 06
		S MET 07
		S MET 08
		S MET 09
		S MET 10
		S MET 11
		S MET 12

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 06	51	45	3	3	29%	0%	0%	2%	2%	38%	0%	29%
S MET 07	28	23	3	2	65%	0%	0%	0%	13%	9%	0%	13%
S MET 08	29	23	2	4	48%	0%	0%	0%	0%	22%	0%	30%
S MET 09	36	26	5	5	54%	0%	0%	0%	0%	23%	0%	23%
S MET 10	83	71	6	6	37%	0%	0%	0%	1%	51%	0%	11%
S MET 11	20	17	1	2	53%	0%	0%	0%	24%	12%	0%	12%
S MET 12	15	12	1	2	50%	0%	0%	0%	33%	17%	0%	0%
Totals/Avg:	262	217	21	24	48%	0%	0%	0%	11%	24%	0%	17%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Sub-Unit D	6 DEVELOPED: 2	MINREQ
Sub-Unit D	UNDEVELOPED: 11	Uplands
Sub-Unit D	INFORMAL:	Valley Floor
Sub-Unit D	UNKNOWN: 2	WATER
Unclassified		
WATER		

Structures		Current Shoreline Designations	
S MET 06	36	S MET 06	RUR WATER
S MET 07	10	S MET 07	RUR WATER
S MET 08	19	S MET 08	RUR WATER
S MET 09	18	S MET 09	RUR WATER
S MET 10	75	S MET 10	RUR WATER
S MET 11	15	S MET 11	RUR WATER
S MET 12	11	S MET 12	RUR WATER
Total	184		

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S MET 06	1	S MET 06	0.84	0.69	4
S MET 07	2	S MET 07	0.84	0.73	4
S MET 08	1	S MET 08	0.85	0.72	4
S MET 09	1	S MET 09	0.84	0.70	4
S MET 10	1	S MET 10	0.84	0.70	4
S MET 11	none	S MET 11	0.93	0.77	4
S MET 12	none	S MET 12	0.88	0.76	4
		Averages:	0.86	0.72	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S MET 06	141.50	330.00	40.00	80.61	S MET 06	0.33
S MET 07	184.29	330.00	40.00	101.96	S MET 07	0.26
S MET 08	283.00	870.00	40.00	309.34	S MET 08	0.45
S MET 09	141.00	350.00	40.00	100.71	S MET 09	0.19
S MET 10	184.87	890.00	20.00	200.18	S MET 10	0.29
S MET 11	208.33	400.00	50.00	112.32	S MET 11	0.27
S MET 12	211.67	430.00	50.00	132.88	S MET 12	0.29
Averages:	193.52	514.29	40.00	148.29	Average:	0.30

Narrative

This character zone runs from the population center of Carlton downstream to the community of Methow, RM 26.7 – 13.3. This zone is characterized by a narrowing of the valley floor and numerous steep, forested tributaries that empty in the mainstem of the Methow River, including Cow Creek, Libby Creek, Gold Creek, McFarland Creek, and French Creek. Irrigated pastures and cropland, orchards, rangelands, and rural residential uses border the shorelines. Riparian vegetation is limited to narrow bands along the often steep banks, though some point bars do support vigorous groves of gallery forests. Highway modifications have hardened and confined the banks around most of the large meanders. There are only two developed public access points within this zone, though many informal and common areas provide local access to residents. Public lands along the shoreline between RM 26-24 could hold potential for more access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER METHOW	METHOW LAMIRD	S MET 05

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 05	103	87	8	8	62%	3%	0%	0%	3%	18%	0%	13%
Totals/Avg:	103	87	8	8	62%	3%	0%	0%	3%	18%	0%	13%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified WATER		MINREQ WATER

Structures	Current Shoreline Designations
S MET 05 58	S MET 05 RUR
Total 58	WATER

Overwater Structures	QuadScore
S MET 05 1	
	Score 1 Score 2 Quad Score
	S MET 05 0.84 0.69 4
	Averages: 0.84 0.69 4

Setbacks	Subdivision Density
	0
Avg Max Min Std Dev	S MET 05 0.33
S MET 05 247.19 710.00 30.00 163.18	Average: 0.33
Averages: 247.19 710.00 30.00 163.18	

Narrative

The Methow LAMIRD (Limited Area of More Intense Rural Development) Zone includes a ½ stretch of shoreline that falls within the small community known as Methow and centered around RM 13. Point bars support some riparian vegetation along the shoreline through this zone, but much of the river is confined by steep banks in this section with little riparian cover. Shoreline ownership through this section is privately owned (except for a parcel owned by the Pateros School District - Methow Community Center) and primarily residential and agricultural in nature, although a private RV campground lines the north eastern shoreline. Resort and residential development is rapidly occurring in the vicinity of Methow which may cause an increase in demand for river access and services in Methow. The nearest public access is located at the French Creek Road junction where Hwy 153 crosses the river just north of the community.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	MIDDLE METHOW	S MET 24
		S MET 25
		S MET 26
		S MET 27
		S MET 28

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 24	80	74	2	4	16%	7%	0%	3%	3%	32%	0%	39%
S MET 25	27	23	1	3	43%	4%	0%	0%	0%	9%	9%	35%
S MET 26	44	35	7	2	31%	0%	0%	0%	0%	43%	0%	26%
S MET 27	19	16	1	2	6%	13%	0%	0%	0%	38%	0%	44%
S MET 28	58	55	1	2	31%	4%	0%	0%	0%	35%	0%	31%
Totals/Avg:	228	203	12	13	26%	5%	0%	1%	1%	31%	2%	35%

Comprehensive Plan Designations

Sub-Unit B
 Sub-Unit C
 Sub-Unit C
 Sub-Unit C
 Sub-Unit C
 Sub-Unit C
 WATER
 WATER
 WATER
 WATER
 WATER

Public Access Points

8 DEVELOPED:
 UNDEVELOPED: 7
 INFORMAL:
 UNKNOWN: 1

Zoning

Airport
 Development
 PU
 RSF
 Valley Floor
 WATER

Structures

S MET 24	60
S MET 25	34
S MET 26	29
S MET 27	16
S MET 28	39
Total	178

Current Shoreline Designations

S MET 24	RUR
	SUB
	URB
	WATER
S MET 25	RUR
	WATER
S MET 26	RUR
	WATER
S MET 27	RUR
	WATER

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S MET 24	none	S MET 24	0.89	0.76	4
S MET 25	none	S MET 25	0.89	0.78	4
S MET 26	none	S MET 26	0.90	0.77	4
S MET 27	none	S MET 27	0.93	0.81	4
S MET 28	none	S MET 28	0.84	0.72	4
		Averages:	0.89	0.77	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S MET 24	631.25	1730.00	60.00	366.30	S MET 24	0.21
S MET 25	711.67	2950.00	30.00	1117.88	S MET 25	0.08
S MET 26	844.38	2160.00	50.00	847.21	S MET 26	0.12
S MET 27	710.00	1370.00	70.00	589.68	S MET 27	0.18
S MET 28	304.78	980.00	70.00	226.45	S MET 28	0.28
Averages:	640.41	1838.00	56.00	629.50	Average:	0.18

Narrative

The Middle Methow Character Zone extends from RM 47.5, just south of the town of Winthrop UGA to the RM 41.9 to the Town of Twisp UGA. This extremely active portion of river contains wide meanders and supports a dynamic channel with abandoned and active side channels and mid-channel islands. Riparian forests of mixed cottonwoods and Ponderosa pine line the variable sloped banks and gravel bars. The surrounding land uses are primarily irrigated alfalfa fields, small-scale row crops, and rural residential homes, though there is an airport and some industrial uses as well. Open spaces in this section of river valley support large numbers of mule deer. Public access is limited to informal access along highway right-of-ways, and common areas; that is, no developed public access exists within this zone.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	MIDDLE OKANOGAN	S OKA 11 S OKA 12 S OKA 13

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 11	36	32	1	3	56%	0%	0%	0%	0%	34%	0%	9%
S OKA 12	10	9	0	1	78%	0%	0%	0%	0%	22%	0%	0%
S OKA 13	12	10	1	1	10%	0%	0%	0%	0%	90%	0%	0%
Totals/Avg:	58	51	2	5	48%	0%	0%	0%	0%	49%	0%	3%

Comprehensive Plan Designations	Public Access Points	Zoning
BARNHOLT	9 DEVELOPED: UNDEVELOPED: 1 INFORMAL: UNKNOWN: 2	MINREQ
BARNHOLT		WATER
BARNHOLT		
IA		
IA		
IA		
WATER		
WATER		
WATER		

Structures	Current Shoreline Designations
S OKA 11 67	S OKA 11 RUR Undesignated WATER
S OKA 12 4	S OKA 12 RUR Undesignated WATER
S OKA 13 11	S OKA 13 RUR Undesignated WATER
<u>Total</u> 82	

Overwater Structures	Quad Score
S OKA 11 1 dock	Score 1 Score 2 Quad Score
S OKA 12 none	S OKA 11 0.91 0.61 4
S OKA 13 none	S OKA 12 0.90 0.64 4
	S OKA 13 0.84 0.63 4
	<u>Averages:</u> 0.88 0.63 4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S OKA 11	405.45	1230.00	100.00	311.49	S OKA 11	0.26
S OKA 12	160.00	170.00	150.00	14.14	S OKA 12	0.44
S OKA 13	168.57	340.00	110.00	79.46	S OKA 13	1.41
Averages:	244.68	580.00	120.00	135.03	Average:	0.70

Narrative

The Middle Okanogan Character Zone extends downstream from RM 23 in the vicinity of Barnholt Loop to just below RM 20 north of Malott. The shoreline area is in transition from resource to residential uses and has some areas with extensive floodplain.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER SINLAHEKIN RIVER	MIDDLE SIMILKAMEEN	S SIM 04 S SIM 05 S SIM 06 S SIM 07

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S SIM 04	10	5	4	1	20%	0%	40%	0%	0%	0%	0%	40%
S SIM 05	19	11	7	1	36%	0%	9%	0%	0%	0%	0%	55%
S SIM 06	34	4	28	2	25%	0%	0%	0%	0%	50%	0%	25%
S SIM 07	57	1	53	3	0%	0%	0%	0%	0%	0%	0%	100%
Totals/Avgs:	120	21	92	7	20%	0%	12%	0%	0%	13%	0%	55%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified		MINREQ
Unclassified		WATER
Unclassified		
Unclassified		
WATER		

Structures	Current Shoreline Designations
S SIM 04	S SIM 04 CONS WATER
S SIM 05	S SIM 05 CONS WATER
S SIM 06	S SIM 06 CONS RUR WATER
S SIM 07	S SIM 07 RUR WATER
Total	8

Overwater Structures	QuadScore	Score 1	Score 2	Quad Score
S SIM 04	none			
S SIM 05	none			
S SIM 06	none			
	S SIM 04	0.83	0.36	2
	S SIM 05	0.88	0.30	2
	S SIM 06	0.85	0.29	2

S SIM 07	1	S SIM 07	0.78	0.40	1
		Averages:	0.84	0.34	2

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S SIM 04					S SIM 04	0.00
S SIM 05					S SIM 05	0.00
S SIM 06	217.50	470.00	50.00	179.51	S SIM 06	0.04
S SIM 07	150.00	150.00	150.00	0.00	S SIM 07	0.01
Averages:	183.75	310.00	100.00	89.76	Average:	0.01

Narrative

The Middle Similkameen River Character Zone runs northeast from the confluence with Palmer Creek at RM 19.5 then arcs downstream to the southeast where it ends at Enloe Dam. The upper three miles of this portion of river sits in a relatively wide valley with a low gradient and supports an active floodplain. Surrounding slopes include shrub-steppe and forested habitats, while agricultural fields occupy first and second flood terraces. Abandoned mines and mill sites and small-scale gold dredge mining occurs within this reach of the river. It is believed that Salmon never reached this portion of the Similkameen. Riparian cover is limited by agricultural use. Public access occurs at informal pull-outs along the Loomis-Oroville Rd with one primitive BLM campsite located at Similkameen Camp.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SINLAHEKIN RIVER	MIDDLE SINLAHEKIN RIVER	S SIN 03
		S SIN 04

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S SIN 03	29	28	1	0	89%	4%	0%	0%	0%	4%	0%	4%
S SIN 04	16	16	0	0	38%	0%	0%	0%	56%	0%	0%	6%
Totals/Avgs:	45	44	1	0	63%	2%	0%	0%	28%	2%	0%	5%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified	DEVELOPED: 2	MINREQ
Unclassified	UNDEVELOPED: 1	
	INFORMAL:	
	UNKNOWN:	

Structures	Current Shoreline Designations
S SIN 03 15	S SIN 03 RUR
S SIN 04	S SIN 04 CONS
Total 15	RUR

Overwater Structures	QuadScore
S SIN 03 1	
S SIN 04 3	
	Score 1 Score 2 Quad Score
	S SIN 03 0.84 0.41 2
	S SIN 04 0.86 0.45 2
	Averages: 0.85 0.43 2

Setbacks	Subdivision Density
	8 S SIN 03 0.08
Avg Max Min Std Dev	9 S SIN 04 0.09
S SIN 03 311.25 1000.00 20.00 373.46	Average: 0.08
S SIN 04	
Averages: 311.25 1000.00 20.00 373.46	

Narrative

The Middle Sinalhekin Character Zone runs north from RM 16.5 -10. It drains a forested valley and supports a flood plain. This zone ends just below the confluence with Toats Coulee Creek. At the confluence and below, a wide wetland complex exists. Surrounding uses include agriculture, forestry, and open range as well as public access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	MILES LAKE	L MIL 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L MIL 00	4	4	0	0	75%	0%	0%	0%	25%	0%	0%	0%
Totals/Avg:	4	4	0	0	75%	0%	0%	0%	25%	0%	0%	0%

Comprehensive Plan Designations	PublicAccess Points	Zoning
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Structures	Current Shoreline Designations
L MIL 00	
Total	

Overwater Structures	QuadScore
L MIL 00 none	
	Score 1 Score 2 Quad Score
	L MIL 00 0.86 0.37 2
	Averages: 0.86 0.37 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L MIL 00	2 L MIL 00 0.14
Averages:	Average: 0.14

Narrative

Also known as Big Buck Lake, Miles Lake is fresh water lake located at T34N R21E. The outflow into an unnamed creek (Frost Creek) is completely diverted into irrigation canals that serve rural properties along the Twisp River valley. The lake is surrounded by range land and one residential unit. WDFW owns the southern 1/3 portion of the lake, while the remaining 2/3rd is privately owned.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	OKANOGAN CITY	S OKA 14 S OKA 15 S OKA 16

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 14	151	144	4	3	8%	2%	0%	0%	1%	74%	0%	15%
S OKA 15	168	164	3	1	0%	14%	2%	0%	5%	57%	0%	22%
S OKA 16	112	110	1	1	4%	17%	4%	0%	3%	57%	0%	15%
Totals/Avg:	431	418	8	5	4%	11%	2%	0%	3%	63%	0%	18%

Comprehensive Plan Designations	Public Access Points	Zoning
BARNHOLT	6 DEVELOPED: 1	C-1
IA	UNDEVELOPED: 2	C-2
IA	INFORMAL: 1	C-3
IA	UNKNOWN: 4	CONS
IND		MINREQ
SUB RES		R-2
SUB RES		R-3
SUB RES		R-4
Unclassified		WATER
Unclassified		
Unclassified		
WATER		
WATER		
WATER		

Structures	Current Shoreline Designations
S OKA 14 160	S OKA 14 RUR Undesignated WATER
S OKA 15 121	S OKA 15 DIKED RUR Undesignated WATER
S OKA 16 108	S OKA 16 DIKED RUR Undesignated WATER
Total 389	

Overwater Structures

S OKA 14	1
S OKA 15	1
S OKA 16	none

QuadScore

	Score 1	Score 2	Quad Score
S OKA 14	0.59	0.61	3
S OKA 15	0.67	0.59	3
S OKA 16	0.83	0.55	4
Averages:	0.70	0.58	3

Setbacks

	Avg	Max	Min	Std Dev
S OKA 14	482.69	3230.00	0.00	394.86
S OKA 15	225.01	1450.00	1.00	241.32
S OKA 16	646.82	1590.00	30.00	399.70
Averages:	451.50	2090.00	10.33	345.29

Subdivision Density

S OKA 14	0.72
S OKA 15	1.86
S OKA 16	1.00
Average:	1.19

Narrative

The Okanogan City Character Zone includes those shorelines along the main stem of the Okanogan River and lower Salmon Creek within the UGA of the City of Okanogan as well as lands downstream along the Okanogan River to the vicinity of Barnholt Loop. Salmon Creek is the major tributary for this section river. However, Salmon Creek does not meet the 20 cfs minimum required for designation of its shoreline due to irrigation withdrawal 4.3 miles upstream. The main stem of the Okanogan River through this zone is confined to a single channel by channelization and armoring for levees and flood control. A narrow band of riparian vegetation exists throughout the zone however, providing a green buffer. Land uses span the range of urban development from rural residential, commercial, educational, institutional and industrial uses throughout this zone. Public Access exists at the Alma City Park, at the entrance to the Wastewater Treatment Plant and informal access points exist at Legion Park, at city owned property surrounding the treatment plant and along road rights-of-way and bridge crossings. Overall, access to the riverfront is limited within the City limits.

The shoreline area is the southern end of the Character Zone lies outside the urban growth area and is slowly changing from resource to residential uses.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	OMAK - RIVERSIDE	S OKA 20

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 20	12	10	0	2	60%	0%	0%	0%	0%	10%	0%	30%
Totals/Avg:	12	10	0	2	60%	0%	0%	0%	0%	10%	0%	30%

Comprehensive Plan Designations

IA
RES LOW
WATER

Public Access Points

7 DEVELOPED:
UNDEVELOPED: 3
INFORMAL:
UNKNOWN:

Zoning

MINREQ
WATER

Structures

S OKA 20	2
Total	2

Current Shoreline Designations

S OKA 20 RUR
Undesignated
WATER

Overwater Structures

S OKA 20 none

Quad Score

	Score 1	Score 2	Quad Score
S OKA 20	0.82	0.63	3
Averages:	0.82	0.63	3

Setbacks

	Avg	Max	Min	Std Dev
S OKA 20	145.00	170.00	120.00	35.36
Averages:	145.00	170.00	120.00	35.36

Subdivision Density

5	S OKA 20	0.39
	Average:	0.39

Narrative

The Omak-Riverside Character Zone extends from RM 40 – 35. This portion of river is primarily constrained to a single wide channel with very little channel complexity. There are two side channel islands located at RM 35 and 38 that support riparian vegetation. Shoreline riparian vegetation is limited by agricultural development throughout much of the zone, however, much of the areas between the railroad and river along the eastern bank contains riparian vegetation. Land uses include rangelands, agriculture, industrial and rural residential. There is no developed public access although there are right of ways that are used as informal access points.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	OMAK CITY	S OKA 17 S OKA 18 S OKA 19

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 17	35	29	3	3	38%	14%	3%	0%	0%	24%	0%	21%
S OKA 18	176	164	6	6	0%	24%	2%	0%	1%	51%	0%	22%
S OKA 19	39	36	1	2	31%	0%	0%	0%	0%	56%	0%	14%
Totals/Avg:	250	229	10	11	23%	13%	2%	0%	0%	43%	0%	19%

Comprehensive Plan Designations	Public Access Points	Zoning
CBD	8 DEVELOPED: 3	C-2
COM AUTO	UNDEVELOPED: 23	CBD
COM AUTO	INFORMAL:	COM AUTO
IA	UNKNOWN: 1	HB
IA		MINREQ
IA		PU
IND		R-2
MIXED USE		RD
PU		R-HI
PU		RM
RES HIGH		RMF
RES LOW		RSF
RES LOW		WATER
RES LOW		
RES MED		
RES MED		
Unclassified		
WATER		
WATER		
WATER		

Structures	Count	Current Shoreline Designations
S OKA 17	13	S OKA 17 CONS
S OKA 18	123	Undesignated
S OKA 19	22	URB/CONS
Total	158	WATER
		S OKA 18 CONS

RUR
 SUB/CONS
 Undesignated
 URB/CONS
 WATER
 S OKA 19
 RUR
 Undesignated
 WATER

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S OKA 17	none	S OKA 17	0.69	0.62	3
S OKA 18	2	S OKA 18	0.74	0.69	3
S OKA 19	none	S OKA 19	0.85	0.61	4
		Averages:	0.76	0.64	3

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S OKA 17	155.91	650.00	0.00	193.53	S OKA 17	0.35
S OKA 18	233.26	1250.00	20.00	256.05	S OKA 18	1.91
S OKA 19	307.73	870.00	40.00	195.57	S OKA 19	0.25
Averages:					Average:	0.84

Narrative

The Omak City Character Zone runs from RM 35 near the northern boundary of Omak's UGA downstream to RM 27.5 at the city of Okanogan's northern UGA boundary. The river through Omak takes on a variety of characteristics ranging from free flowing and complex at the lower portion to Corps of Engineers built levees and steep bluffs abutting the river through the heart of the city. Along Aston Island side channels support active wetlands. This wilder portion gives way to a constrained portion where a levees line both sides of the shoreline through the downtown where uses include residential and commercial developments. The northern reaches through Omak and north support rural residential development amidst a unique landscape pocked by massive boulders in the floodplain. Riparian vegetation is typically established between the armored banks and the river throughout this reach. The Omak Eastside Park and Stampede Grounds are an important cultural site in this zone. Public access exists at the Stampede Grounds as well as at Aston Island and Pioneer Park. The northern portion has limited public access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	OROVILLE CITY	S OKA 40 S OKA 41 S SIM 01 S SIM 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 40	130	48	77	5	17%	15%	8%	0%	0%	60%	0%	0%
S OKA 41	156	111	44	1	8%	12%	0%	0%	11%	61%	0%	8%
S SIM 01	41	25	15	1	8%	4%	0%	0%	4%	76%	0%	8%
S SIM 02	97	16	77	4	50%	0%	0%	0%	6%	38%	0%	6%
Totals/Avg:	424	200	213	11	21%	8%	2%	0%	5%	59%	0%	6%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Heavy Industrial	9 DEVELOPED: 9	C-1
Heavy Industrial	UNDEVELOPED: 2	C-2
IA	INFORMAL:	CONS
IA	UNKNOWN:	I-2
IA		MINREQ
IA		R-2
IND		R-3
Light Industrial		R-4
MF High		WATER
MF High		
RETAIL COMMERCIA		
SC		
SF/MU		
SFMFR		
SFMFR		
Unclassified		
WATER		

Structures		Current Shoreline Designations	
S OKA 40	90	S OKA 40	DIKED
S OKA 41	186		RUR
S SIM 01	33		SUB
S SIM 02	21		URB
			WATER
Total	330	S OKA 41	SUB
			URB
			WATER
		S SIM 01	DIKED
			RUR
			WATER
		S SIM 02	CONS
			RUR
			SUB
			URB
			WATER

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S OKA 41	1 float, 1 dock, 1 bridge				
S OKA 40	2	S OKA 40	0.53	0.70	3
S SIM 01	none	S OKA 41	0.56	0.61	3
S SIM 02	1	S SIM 01	0.66	0.63	3
		S SIM 02	0.70	0.56	3
		Averages:	0.61	0.63	3

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S OKA 40	777.69	2180.00	20.00	615.35	S OKA 40	0.15
S OKA 41	339.55	880.00	5.00	230.00	S OKA 41	0.94
S SIM 01	166.25	490.00	70.00	87.17	S SIM 01	0.28
S SIM 02	303.33	980.00	30.00	276.91	S SIM 02	0.13
Averages:	396.71	1132.50	31.25	302.36	Average:	0.37

Narrative

Shorelines within the Oroville City Character Zone include portions of the Similkameen and Okanogan Rivers upstream of their confluence and within the most heavily developed areas of Oroville. This zone is urbanized, yet the river systems maintain a high degree of channel complexity, including wide meanders, wetlands, and side channels. Development along the rivers includes commercial, industrial, and residential uses. WDFW also holds large tracts of land south of the confluence on Okanogan River (Driscoll Island). River access is well provided for in the northern portion of this zone on the Okanogan. The southern portion contains two WDFW access sites in the vicinity of the confluence. Lake Osoyoos State Park, located at the outlet of Lake Osoyoos into the Okanogan River provides a developed access and a variety of recreation improvements.

The Similkameen River portion of the Character zone begins where the river emerges from the narrow canyon at the old rail trestle. The river is sinuous and levels out creating large meanders and a well developed floodplain associated with the confluence with the Okanogan River. Surrounding land uses include orchards, range lands, and rural – urban residential at Oroville. Public access is available at the 12th Street Bridge and sewer treatment plant in Oroville.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SINLAHEKIN RIVER	PALMER CREEK CONFLUENCE	S PAL 00 S SIM 08

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S PAL 00	30	27	3	0	96%	0%	0%	0%	0%	0%	4%	0%
S SIM 08	46	31	13	2	87%	0%	10%	0%	0%	0%	0%	3%
Totals/Avgs:	76	58	16	2	92%	0%	5%	0%	0%	0%	2%	2%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	0	DEVELOPED:
Unclassified	UNDEVELOPED: 1	MINREQ
WATER	INFORMAL:	WATER
	UNKNOWN:	

Structures	Current Shoreline Designations
S PAL 00	S PAL 00 CONS
S SIM 08	RUR
Total	S SIM 08 RUR
	WATER

Overwater Structures	Quad Score
S PAL 00 none	Score 1 Score 2 Quad Score
S SIM 08 1	S PAL 00 0.80 0.53 1
	S SIM 08 0.85 0.48 2
	Averages: 0.83 0.51 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	7 S PAL 00 0.05
S PAL 00	3 S SIM 08 0.05
S SIM 08 1610.00 1610.00 1610.00 0.00	Average: 0.05
Averages: 1610.00 1610.00 1610.00 0.00	

Narrative
 The Palmer Creek Confluence Zone encompasses the confluence of the Similkameen River and Palmer Creek which flows from Palmer Lake. This area is very complex, sinuous wide floodplain that hosts a complex wetland system of active and abandoned meanders from the Similkameen and Palmer Creek. Grazing has altered plant composition, but the confluence support a diverse assemblage of riparian and wetland habitat types. There are no public access areas within this zone.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SINLAHEKIN RIVER	PALMER LAKE	L PAL 01
		L PAL 02
		L PAL 03
		L PAL 04

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L PAL 01	45	36	6	3	31%	0%	0%	0%	0%	44%	3%	22%
L PAL 02	55	48	4	3	46%	0%	0%	0%	0%	42%	0%	13%
L PAL 03												
L PAL 04												
Totals/Avgs:	100	84	10	6	38%	0%	0%	0%	0%	43%	1%	17%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified	DEVELOPED: 1	MINREQ
Unclassified	UNDEVELOPED: 2	WATER
Unclassified	INFORMAL:	
Unclassified	UNKNOWN:	
WATER		

Structures	Current Shoreline Designations
L PAL 01 13	L PAL 01 RUR
L PAL 02 33	WATER
<hr style="width: 100%;"/>	L PAL 02 RUR
Total 46	WATER
	L PAL 03 RUR
	WATER
	L PAL 04 CONS
	RUR
	WATER

Overwater Structures		QuadScore
L PAL 02 1 pier, 1 dock		Score 1 Score 2 Quad Score
L PAL 01 none	L PAL 04	0.90 0.69 4
L PAL 03 none	L PAL 02	0.77 0.37 1
	L PAL 01	0.83 0.53 2

L PAL 04	none	L PAL 03	0.86	0.51	2
		Averages:	0.84	0.53	2

Setbacks

	Avg	Max	Min	Std Dev	Subdivision Density	
L PAL 01	119.17	160.00	70.00	29.37	L PAL 01	0.59
L PAL 02	130.95	380.00	30.00	100.05	L PAL 02	0.74
Averages:	125.06	270.00	50.00	64.71	L PAL 03	0.00
					L PAL 04	0.00
					Average:	0.33

Narrative

Palmer Lake is located in Sect 11 T39N R25E. Measuring at over 2,000 acres, this is a lake of Statewide Significance. The shoreline is both privately and publicly owned. The lake is a glacially carved trough fed by the Sinlahekin River. Outflow of the lake is via Palmer Creek which flows into the Similakmeen River through a complex, braided wetland system. Surrounding land uses are primarily open range lands with some orchards to the east. The south and western shoreline is a steep, barren hillside with rock outcrops, whereas the north and eastern edges are more gradual and lined with vegetation. Private development along the eastern shoreline consists of permanent and seasonal residences and some private docks. There is a developed boat launch at the southern tip of the lake, a DNR campground and resort near the northern end and other public, undeveloped access points on the west and northern shorelines.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	PATTERSON LAKE	L PAT 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L PAT 00	45	16	16	13	56%	0%	0%	0%	13%	0%	19%	13%
Totals/Avg:	45	16	16	13	56%	0%	0%	0%	13%	0%	19%	13%

Comprehensive Plan Designations

Sub-Unit B
WATER
Wolf Creek

Public Access Points

3 DEVELOPED: 3
UNDEVELOPED:
INFORMAL:
UNKNOWN: 1

Zoning

Rural Residential
Valley Floor
WATER

Structures

L PAT 00	15
Total	15

Current Shoreline Designations

L PAT 00 CONS
 WATER

Overwater Structures

L PAT 00 1 dock

Quad Score

	Score 1	Score 2	Quad Score
L PAT 00	0.86	0.44	2
Averages:	0.86	0.44	2

Setbacks

	Avg	Max	Min	Std Dev
L PAT 00	80.00	80.00	80.00	0.00
Averages:	80.00	80.00	80.00	0.00

Subdivision Density

4 L PAT 00	0.18
Average:	0.18

Narrative

Patterson Lake is located in Section 19 of T34N R21E. The lake measures 160.3 acres. The lake is fed by Rader Creek and a small impoundment on the northern end maintains water levels where it empties into a series of beaver ponds and a single channel that eventually gets diverted for irrigation. The lake is heavily used for recreational fishing, non-motorized boating, swimming and hiking. There is a resort located on the northern shore with a common dock, as well as a launch site along the eastern shore that is operated by WDFW. Trails for hiking and mountain biking parallel the WDFW lands along the western shoreline while the southern end is privately owned and supports irrigated fields.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	PEARRYGIN LAKE	L PEA 01 L PEA 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L PEA 01	10	9	0	1	0%	0%	0%	0%	22%	0%	33%	44%
L PEA 02	29	24	3	2	8%	0%	0%	0%	71%	0%	0%	21%
Totals/Avgs:	39	33	3	3	4%	0%	0%	0%	47%	0%	17%	33%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Sub-Unit B	4 DEVELOPED: 3 UNDEVELOPED: INFORMAL: UNKNOWN:	Uplands
Sub-Unit B		Valley Floor
WATER		WATER
WATER		

Structures	Current Shoreline Designations
L PEA 01	L PEA 01 CONS
L PEA 02	WATER
Total	L PEA 02 CONS
	RUR
	WATER

Overwater Structures	QuadScore
L PEA 02 1 dock	Score 1 Score 2 Quad Score
L PEA 01 none	L PEA 01 0.78 0.45 1
	L PEA 02 0.80 0.47 1
	Averages: 0.79 0.46 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	5 L PEA 01 0.21
L PEA 01	6 L PEA 02 0.40
L PEA 02	Average: 0.31
Averages:	

Narrative

Pearrygin Lake is located in Section 36 of T35N R21E. The lake measures 182 acres. The lake is fed by two perennial streams, Pearrygin Creek and an unnamed creek. The outflow is captured for irrigation via canal. The glacially carved lake sits in a narrow valley where it abuts a forested slope to the south and open shrub-steppe habitat to the north. The majority of the shoreline is owned by Washington State

Parks and the park is used heavily for watercraft, camping, hiking and fishing. WDFW owns the eastern shoreline, and there are some private in-holdings along the southwest corner of the lake.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER OKANOGAN RIVER	RAT LAKE	L RAT 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L RAT 00	9	6	2	1	83%	0%	0%	0%	17%	0%	0%	0%
Totals/Avg:	9	6	2	1	83%	0%	0%	0%	17%	0%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified WATER	5 DEVELOPED: 1 UNDEVELOPED: 1 INFORMAL: UNKNOWN:	MINREQ WATER

Structures	Current Shoreline Designations
L RAT 00	L RAT 00 CONS
Total	WATER

Overwater Structures	QuadScore
L RAT 00 none	Score 1 Score 2 Quad Score
	L RAT 00 0.88 0.37 2
	Averages: 0.88 0.37 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	7 L RAT 00 0.19
L RAT 00	Average: 0.19
Averages:	

Narrative

Rat Lake is located in Section 22 of T31N R24E. It is an artificial lake created by an old dam built prior to 1917 for irrigation at the headwaters of Whitestone Creek. Today, it is managed for flood control. Surface area measures 61.2 acres. The eastern shoreline is privately owned while the western shoreline is owned by the federal government. There is small boat launch, operated by WDFW, at the southern tip of the lake at the dam.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	RIVERSIDE TOWN	S OKA 21 S OKA 22

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 21	100	92	3	5	58%	1%	0%	0%	2%	28%	0%	11%
S OKA 22	90	88	0	2	26%	7%	1%	0%	5%	45%	0%	16%
Totals/Avgs:	190	180	3	7	42%	4%	1%	0%	3%	37%	0%	13%

Comprehensive Plan Designations	PublicAccess Points	Zoning
IA	6 DEVELOPED: 2	MINREQ
IA	UNDEVELOPED: 1	WATER
WATER	INFORMAL:	
WATER	UNKNOWN:	

Structures	Current Shoreline Designations
S OKA 21 31	S OKA 21 RUR
S OKA 22 45	Undesignated
<u>76</u>	WATER
	S OKA 22 RUR
	WATER

Overwater Structures	QuadScore
S OKA 21 none	Score 1 Score 2 Quad Score
S OKA 22 none	S OKA 21 0.71 0.68 3
	S OKA 22 0.72 0.62 3
	Averages: 0.72 0.65 3

Setbacks	Subdivision Density
	6 S OKA 21 0.31
Avg Max Min Std Dev	7 S OKA 22 0.38
S OKA 21 444.24 1200.00 50.00 336.10	<u>0.34</u>
S OKA 22 423.89 1280.00 30.00 349.80	Average: 0.34
Averages: 434.07 1240.00 40.00 342.95	

Narrative

The Riverside Town Character Zone includes those shorelines along the Okanogan River within and to the south of the incorporated location of Riverside, RM 41.7 – RM 36, including the alluvial fan at the confluence of Johnson Creek. The Okanogan River takes a sweeping S-shaped bend through Riverside where the banks are armored with a levee for flood protection. Riparian vegetation waterward of the

levee is intact and robust, but limited to this narrow strip. The surrounding land uses include residential within the town proper and agriculture outside the town center. There are two developed public access sites within Riverside.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SALMON CREEK	ROBERTS LAKE	L ROB 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L ROB 00	6	6	0	0	50%	0%	0%	0%	50%	0%	0%	0%
Totals/Avg:	6	6	0	0	50%	0%	0%	0%	50%	0%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		MINREQ

Structures	Current Shoreline Designations
L ROB 00	L ROB 00 RUR
Total	

Overwater Structures	QuadScore
L ROB 00 none	
	Score 1 Score 2 Quad Score
	L ROB 00 0.85 0.32 2
	Averages: 0.85 0.32 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L ROB 00	8 L ROB 00 0.20
Averages:	Average: 0.20

Narrative
 Roberts Lake is located in Section 9 T35N R25E. This shallow bottomed lake measures 34 acres and fluctuates greatly depending on water levels. The shoreline does not support woody riparian vegetation. The surrounding land is privately owned, and the uses are open range; there is no public access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SALMON CREEK	SALMON/CONCONULLY LAKE	L SAL 01 L SAL 04

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L SAL 01	8	8	0	0	25%	0%	0%	0%	25%	13%	0%	38%
Totals/Avgs:	8	8	0	0	25%	0%	0%	0%	25%	13%	0%	38%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	8 DEVELOPED: 1	MINREQ
Unclassified	UNDEVELOPED:	
	INFORMAL:	
	UNKNOWN: 1	

Structures	Current Shoreline Designations
L SAL 01 15	L SAL 01 CONS
Total 15	L SAL 04 CONS

Overwater Structures	Quad Score
L SAL 01 36 docks or floats	Score 1 Score 2 Quad Score
L SAL 04 none	L SAL 01 0.73 0.36 1
	L SAL 04 0.83 0.43 2
	Averages: 0.78 0.40 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	9 L SAL 01 1.96
L SAL 01 20.00 20.00 20.00 0.00	0 L SAL 04 0.00
Averages: 20.00 20.00 20.00 0.00	Average: 0.98

Narrative

Salmon Lake is located in Section 6 T35N R25E. The surface area measures 292 acres. The lake is impounded by a dam along the western edge where an outlet releases water into the North Fork of Salmon Creek where it flows into Conconully Reservoir. The lake sits in a narrow valley trough at an east-west orientation, surrounded by steep forested hillsides. The lake is almost completely surrounded by public lands, including Forest Service and State lands. Land leases for cabins on BOR lands occur along the northern shoreline. Public access is found in the vicinity of the Dam and a WDFW launch site and resort on the northern shore.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MYERS	SIDLEY LAKE	L SID 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L SID 00	42	10	30	2	0%	0%	10%	0%	10%	80%	0%	0%
Totals/Avg:	42	10	30	2	0%	0%	10%	0%	10%	80%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified WATER		MINREQ WATER

Structures	Current Shoreline Designations
L SID 00 9	L SID 00 RUR
Total 9	WATER

Overwater Structures	QuadScore
L SID 00 1 dock, unknown	
	Score 1 Score 2 Quad Score
	L SID 00 0.73 0.58 3
	Averages: 0.73 0.58 3

Setbacks	Subdivision Density
Avg Max Min Std Dev	L SID 00 0.16
L SID 00 174.44 410.00 60.00 108.29	Average: 0.16
Averages: 174.44 410.00 60.00 108.29	

Narrative

Sidley Lake is located in Section 6 T40N R29E. The lake measures 104.8 acres. This high altitude lake sits a 3660 ft and has an average depth of 17 feet. The northern shoreline has been structurally modified to support Nine Mile Road. The west and sw shorelines have been platted and contain cabins and homes. Docks are present along private lands. Public access is available at the eastern shoreline where a WDFW launch site is shared with Molson Lake. No public beach exists.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SINLAHEKIN RIVER	SINLAHEKIN HEADWATER	S SIN 05 S SIN 06 S SIN 07

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S SIN 05	6	5	1	0	0%	0%	0%	0%	100%	0%	0%	0%
S SIN 06	5	5	0	0	0%	0%	0%	0%	100%	0%	0%	0%
S SIN 07	5	4	1	0	0%	0%	0%	0%	100%	0%	0%	0%
Totals/Avgs:	16	14	2	0	0%	0%	0%	0%	100%	0%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	0 DEVELOPED: 3	MINREQ
Unclassified	UNDEVELOPED:	
Unclassified	INFORMAL:	
	UNKNOWN: 1	

Structures	Current Shoreline Designations
S SIN 05	S SIN 05 CONS
S SIN 06	S SIN 06 CONS
S SIN 07	S SIN 07 CONS
Total	

Overwater Structures	Quad Score
S SIN 05 2	Score 1 Score 2 Quad Score
S SIN 06 none	S SIN 05 0.78 0.37 1
S SIN 07 2	S SIN 06 0.93 0.46 2
	S SIN 07 0.94 0.44 2
	Averages: 0.88 0.42 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	0 S SIN 05 0.02
S SIN 05	S SIN 06 0.02
S SIN 06	2 S SIN 07 0.03
S SIN 07	Average: 0.02
Averages:	

Narrative

Sinlahekin Creek out of the mountains on the western side of the valley and where it reaches the valley floor (T37N, R25E) it is diverted to flow into either Blue Lake for irrigation storage or northward through a series of impoundments and shallow pools connected by a meandering channel of low gradient. From the 1880's through the 1930's, the valley was filled with farms and ranches which have all subsequently been purchased by the Whitestone Reclamation District and more recently by the Washington Department of Fish and Wildlife (WDFW). This portion of the creek is flanked by relatively steep forested banks, but occupies a flat valley that supports flooding and extensive shrub wetlands along the banks. There are numerous WDFW campsites along the creek and impoundments (Connors and Forde Lakes and Reflection Pond) for fishing and camping. The WDFW also farms some of its land along the creek with dryland and irrigated hay.

Recommendations

Overwater Structures

L SPE 01	1 launch, 1 dock
L SPE 02	2 docks, 1 launch, 1 float
L SPE 03	2 docks, 1 float, 1 pier
L SPE 04	none
L SPE 05	none
L SPE 06	none

QuadScore

	Score 1	Score 2	Quad Score
L SPE 06	0.79	0.43	1
L SPE 05	0.81	0.46	1
L SPE 03	0.79	0.24	1
L SPE 01	0.73	0.21	1
L SPE 02	0.72	0.22	1
L SPE 04	0.72	0.26	1
Averages:	0.76	0.30	1

Setbacks

	Avg	Max	Min	Std Dev
L SPE 01	74.44	220.00	0.00	70.73
L SPE 02	71.36	150.00	30.00	42.78
L SPE 03	91.25	290.00	10.00	88.06
Averages:	79.02	220.00	13.33	67.19

Subdivision Density

L SPE 01	1.44
L SPE 02	1.23
L SPE 03	3.03
L SPE 04	0.00
L SPE 05	0.00
L SPE 06	0.00
Average:	0.95

Narrative

Spectacle Lake is located in Section 2 T38N R26E. The lake, which is 313 acres in area, is an irrigation reservoir for the Whitestone Reclamation District filled from Toats Coulee Creek. The lake, with live storage of 6,850 acre feet, sits in a narrow valley trough with an orientation east-west. The northern shoreline supports orchards, small resorts and range land at the toe of gentle, bare slopes, whereas the southern shoreline is bordered by steep bluffs of undeveloped ONF land with scattered trees and forests.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	TALKIRE LAKE	L TAL 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L TAL 00	8	8	0	0	100%	0%	0%	0%	0%	0%	0%	0%
Totals/Avgs:	8	8	0	0	100%	0%	0%	0%	0%	0%	0%	0%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		MINREQ

Structures	Current Shoreline Designations
L TAL 00	L TAL 00 CONS
Total	

Overwater Structures	QuadScore
L TAL 00 none	
	Score 1 Score 2 Quad Score
	L TAL 00 0.88 0.55 4
	Averages: 0.88 0.55 4

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L TAL 00	8 L TAL 00 0.09
Averages:	Average: 0.09

Narrative

Talkire Lake is located in Section 22 T36N R28E. The lake measures approximately 38 acres when full. The basin lies within Chewiliken Creek and this shallow bottomed basin is prone to de-watering to form more of a wetland. It is entirely surrounded by private, open range lands and has no public access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SINLAHEKIN RIVER	TOATS COULEE	S TOA 01 S TOA 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S TOA 01	30	24	6	0	58%	0%	0%	0%	0%	0%	0%	42%
S TOA 02	4	3	1	0	0%	0%	0%	0%	100%	0%	0%	0%
Totals/Avgs:	34	27	7	0	29%	0%	0%	0%	50%	0%	0%	21%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified	3 DEVELOPED:	MINREQ
Unclassified	UNDEVELOPED: 1	
	INFORMAL:	
	UNKNOWN:	

Structures	Current Shoreline Designations
S TOA 01 1	S TOA 01 CONS
S TOA 02	RUR
Total 1	S TOA 02 CONS

Overwater Structures	QuadScore
S TOA 01 2	Score 1 Score 2 Quad Score
S TOA 02 none	S TOA 01 0.87 0.36 2
	S TOA 02 0.97 0.30 2
	Averages: 0.92 0.33 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	3 S TOA 01 0.12
S TOA 01 800.00 800.00 800.00 0.00	4 S TOA 02 0.00
S TOA 02	Average: 0.06
Averages: 800.00 800.00 800.00 0.00	

Narrative

Toats Coulee is a narrow stream channel draining steep slopes in T39N, R25E. The creek follows an easterly direction and is incised in a V-shaped channel where there is little to no floodplain. South facing slopes support open habitats of grasslands and shrubs, whereas the northern aspects are forested. Most of the lower reaches of shoreline are privately owned, and undeveloped, whereas the State owns and manages portions of the upper reaches. No public access is developed along the creek.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	TONASKET CITY	S BON 01 S OKA 30 S OKA 31 S OKA 32

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S BON 01	71	68	3	0	1%	25%	10%	0%	0%	57%	0%	6%
S OKA 30	88	86	1	1	15%	7%	3%	0%	3%	63%	0%	8%
S OKA 31	160	154	4	2	8%	19%	4%	0%	3%	56%	0%	10%
S OKA 32	140	136	2	2	65%	1%	0%	0%	0%	33%	0%	1%
Totals/Avg:	459	444	10	5	22%	13%	4%	0%	2%	52%	0%	6%

Comprehensive Plan Designations

Public Access Points

Zoning

IA	4 DEVELOPED: 1	C-1
IA	UNDEVELOPED: 2	C-2
IA	INFORMAL:	M-1
IND	UNKNOWN: 2	MINREQ
IND		R-1
IND		R-2
IND		WATER
MFR		
MFR		
RC		
SC		
SC		
SF/MU		
SFMFR		
SFR		
TC		
TC		
Unclassified		
Unclassified		
WATER		
WATER		
WATER		

Structures

Current Shoreline Designations

S BON 01	44	S BON 01	CONS/URB
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S OKA 30	112
S OKA 31	88
S OKA 32	82
Total	326

S OKA 30
RUR
URB
CONS/URB
RUR
SUB
WATER

S OKA 31
CONS/URB
RUR
SUB
WATER

S OKA 32
CONS/URB
RUR
WATER

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S BON 01	3	S BON 01	0.70	0.29	1
S OKA 30	none	S OKA 30	0.67	0.60	3
S OKA 31	1	S OKA 31	0.67	0.58	3
S OKA 32	none	S OKA 32	0.71	0.62	3
		Averages:	0.69	0.52	3

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S BON 01	120.29	440.00	30.00	91.70	S BON 01	2.27
S OKA 30	320.82	860.00	60.00	211.59	S OKA 30	0.49
S OKA 31	152.65	470.00	30.00	104.66	S OKA 31	2.15
S OKA 32	287.93	1010.00	0.00	305.24	S OKA 32	0.28
Averages:	220.42	695.00	30.00	178.30	Average:	1.30

Narrative

The Tonasket City Character Zone includes those shorelines within and adjoining the UGA of Tonasket, RM 61.0 - 55, and along the lowest portion of Bonaparte Creek within the UGA. At Tonasket, three tributaries, Bonaparte Creek, Siwash Creek, and Unnamed Creek, flow into the main stem, creating a wide shoreline jurisdiction. Uses include commercial, residential, and some industrial areas in the central zone, while agricultural, orchards, and rural residential are found outside. Public access is developed at Lagoons City Park. Informal access exists History Park and at bridge crossings and ROWs, but otherwise is limited in town.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
TORODA CREEK	TORODA CREEK	S TOR 01
		S TOR 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S TOR 01	29	27	2	0	78%	0%	4%	0%	0%	11%	0%	7%
S TOR 02	21	19	2	0	100%	0%	0%	0%	0%	0%	0%	0%
Totals/Avgs:	50	46	4	0	89%	0%	2%	0%	0%	6%	0%	4%

Comprehensive Plan Designations	PublicAccess Points	Zoning
Unclassified		MINREQ
Unclassified		

Structures	Current Shoreline Designations
S TOR 01 8	S TOR 01 RUR
S TOR 02 2	S TOR 02 RUR
Total 10	

Overwater Structures	QuadScore
S TOR 01 1	
S TOR 02 none	
	Score 1 Score 2 Quad Score
	S TOR 01 0.88 0.42 2
	S TOR 02 0.88 0.42 2
	Averages: 0.88 0.42 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	
S TOR 01 108.00 170.00 70.00 44.94	5 S TOR 01 0.20
S TOR 02 110.00 110.00 110.00 0.00	6 S TOR 02 0.10
Averages:	Average: 0.15

Narrative

Toroda Creek is located in the far NE corner of the county in T39N, R31E. It is a tributary of the Kettle River in neighboring Ferry County. Toroda Creek drains a shrub steppe-forested landscape of gentle to steep slopes. The creek is of moderate gradient supporting a narrow floodplain occupied by agricultural fields and grazing lands. There is no public access along this portion of shoreline.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
TWISP RIVER	TWISP RIVER	S TWI 02 S TWI 03 S TWI 04 S TWI 05 S TWI 06

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S TWI 02	110	88	16	6	23%	0%	0%	0%	6%	55%	0%	17%
S TWI 03	27	24	3	0	21%	8%	0%	0%	0%	54%	0%	17%
S TWI 04	38	31	7	0	3%	0%	0%	0%	0%	61%	0%	35%
S TWI 05	33	24	9	0	8%	0%	0%	0%	0%	50%	0%	42%
S TWI 06	27	21	5	1	5%	0%	0%	0%	0%	33%	0%	62%
Totals/Avg:	235	188	40	7	12%	2%	0%	0%	1%	51%	0%	35%

Comprehensive Plan Designations	Public Access Points	Zoning
Sub-Unit C	6 DEVELOPED: 1	Uplands
Sub-Unit C	UNDEVELOPED:	Valley Floor
Sub-Unit C	INFORMAL:	WATER
Sub-Unit C	UNKNOWN: 9	
WATER		
WATER		

Structures	Count	Current Shoreline Designations
S TWI 02	83	S TWI 02 Undesignated WATER
S TWI 03	13	S TWI 03 Undesignated
S TWI 04	17	S TWI 04 Undesignated
S TWI 05	10	S TWI 05 Undesignated
S TWI 06	8	S TWI 06 Undesignated
Total	131	WATER

Overwater Structures	Count	Quad Score	Score 1	Score 2	Quad Score
S TWI 02	1	S TWI 02	0.84	0.75	4
S TWI 03	none	S TWI 03	0.86	0.76	4
S TWI 04	1	S TWI 04	0.90	0.74	4

S TWI 05	none	S TWI 05	0.94	0.83	4
S TWI 06	none	S TWI 06	0.82	0.78	3
		Averages:	0.87	0.77	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S TWI 02	168.13	570.00	3.00	136.04	S TWI 02	0.36
S TWI 03	233.30	1200.00	3.00	347.60	S TWI 03	0.15
S TWI 04	430.77	1390.00	90.00	347.84	S TWI 04	0.28
S TWI 05	376.25	720.00	1.00	266.94	S TWI 05	0.15
S TWI 06	180.00	490.00	70.00	161.49	S TWI 06	0.44
Averages:	277.69	874.00	33.40	251.98	Average:	0.28

Narrative

The Twisp River Character Zone begins at the Eagle Creek and flows east to a point a couple miles upstream from Twisp, approximately 12 miles. The Twisp River is a major tributary of the Methow River and support anadromous fish. Much of the river has been channelized through diking and riprap for property protection to support surrounding agricultural and residential uses. Despite this, riparian forests are still supported as is a narrow flood plain. The river meanders through a series of terraced benches where surrounding properties are rural residential and agricultural in nature. Public access can be found about 5 miles upstream at WDFW site and at ONF sites. However, the lower reaches are underserved for public access given the proximity to Twisp and the surrounding residential developments.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
MIDDLE METHOW	TWISP TOWN	S MET 23
		S MET 24
		S TWI 01

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 23	152	137	12	3	6%	17%	0%	0%	3%	45%	0%	30%
S MET 24	80	74	2	4	16%	7%	0%	3%	3%	32%	0%	39%
S TWI 01	178	162	10	6	16%	2%	1%	0%	2%	45%	0%	33%
Totals/Avg:	410	373	24	13	13%	9%	0%	1%	2%	41%	0%	34%

Comprehensive Plan Designations	Public Access Points	Zoning
Sub-Unit C	7 DEVELOPED: 2	C-1
Sub-Unit C	UNDEVELOPED: 7	C-2
Sub-Unit C	INFORMAL:	IND
WATER	UNKNOWN: 7	MRD1
WATER		PU
WATER		RM
		RSF
		Valley Floor
		WATER

Structures	Current Shoreline Designations
S MET 23 111	S MET 23 CONS
S MET 24 60	RUR
S TWI 01 156	SUB
Total 327	URB
	WATER
	S MET 24 RUR
	SUB
	URB
	WATER
	S TWI 01 CONS
	RUR
	SUB
	Undesignated
	URB
	WATER

S MET 23	1		Score 1	Score 2	Quad Score
S MET 24	none	S MET 23	0.79	0.69	3
S TWI 01	2	S MET 24	0.89	0.76	4
		S TWI 01	0.78	0.81	3
		Averages:	0.82	0.75	3

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S MET 23	294.90	1140.00	9.60	275.18	S MET 23	0.60
S MET 24	631.25	1730.00	60.00	366.30	S MET 24	0.21
S TWI 01	253.38	990.00	20.00	219.28	S TWI 01	0.42
Averages:	393.18	1286.67	29.87	286.92	Average:	0.41

Narrative

The shorelines in Twisp Town include those portions of the Twisp and Methow Rivers within and adjoining the UGA of Twisp. The Twisp River portion of this zone begins about 2 miles upstream from the Town and is generally unconstrained. As the Twisp River reaches Town, it is stabilized by a flood levee on the southern bank. Where the Methow and Twisp rivers meet, a dynamic alluvial fan from the Twisp inputs large gravels, boulders and cobbles, creating large bars during low water. This area is heavily used by town residents and visitors for fishing, swimming, and beach combing. Surrounding land uses are primarily residential, open space and parks, and a large amount of former industrial and agricultural land. The mainstem of the Methow River is channelized through town and reinforced for bridge abutments at Highway 20. A narrow riparian forest of cottonwoods lines the otherwise steep banks. Public access on the Methow is provided as Twisp park, at the end of E. 2nd Avenue and informal access for foot traffic is found at the Highway 20 bridge. Access on the Twisp is found at the Methow Salmon Recovery Foundation property and at the county road bridge just west of the Town limits.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
TWISP RIVER	TWISP TOWN	S MET 23 S MET 24 S TWI 01

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S MET 23	152	137	12	3	6%	17%	0%	0%	3%	45%	0%	30%
S MET 24	80	74	2	4	16%	7%	0%	3%	3%	32%	0%	39%
S TWI 01	178	162	10	6	16%	2%	1%	0%	2%	45%	0%	33%
Totals/Avgs:	410	373	24	13	13%	9%	0%	1%	2%	41%	0%	34%

Comprehensive Plan Designations	Public Access Points	Zoning
Sub-Unit C	7 DEVELOPED: 2	C-1
Sub-Unit C	UNDEVELOPED: 7	C-2
Sub-Unit C	INFORMAL:	IND
WATER	UNKNOWN: 7	MRD1
WATER		PU
WATER		RM
		RSF
		Valley Floor
		WATER

Structures	Current Shoreline Designations
S MET 23 111	S MET 23 CONS
S MET 24 60	RUR
S TWI 01 156	SUB
<u> 327</u>	URB
	WATER
	S MET 24 RUR
	SUB
	URB
	WATER
	S TWI 01 CONS
	RUR
	SUB
	Undesignated
	URB
	WATER

Overwater Structures	QuadScore
S MET 23 1	Score 1 Score 2 Quad Score

S MET 24	none	S MET 23	0.79	0.69	3
S TWI 01	2	S MET 24	0.89	0.76	4
		S TWI 01	0.78	0.81	3
		Averages:	0.82	0.75	3

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S MET 23	294.90	1140.00	9.60	275.18	S MET 23	0.60
S MET 24	631.25	1730.00	60.00	366.30	S MET 24	0.21
S TWI 01	253.38	990.00	20.00	219.28	S TWI 01	0.42
Averages:	393.18	1286.67	29.87	286.92	Average:	0.41

Narrative

The shorelines in Twisp Town include those portions of the Twisp and Methow Rivers within and adjoining the UGA of Twisp. The Twisp River portion of this zone begins about 2 miles upstream from the Town and is generally unconstrained. As the Twisp River reaches Town, it is stabilized by a flood levee on the southern bank. Where the Methow and Twisp rivers meet, a dynamic alluvial fan from the Twisp inputs large gravels, boulders and cobbles, creating large bars during low water. This area is heavily used by town residents and visitors for fishing, swimming, and beach combing. Surrounding land uses are primarily residential, open space and parks, and a large amount of former industrial and agricultural land. The mainstem of the Methow River is channelized through town and reinforced for bridge abutments at Highway 20. A narrow riparian forest of cottonwoods lines the otherwise steep banks. Public access on the Methow is provided as Twisp park, at the end of E. 2nd Avenue and informal access for foot traffic is found at the Highway 20 bridge. Access on the Twisp is found at the Methow Salmon Recovery Foundation property and at the county road bridge just west of the Town limits.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
UPPER METHOW	UPPER METHOW	S EAR 01 S EAR 02 S MET 37 S MET 38 S MET 39 S MET 40

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S EAR 01	20	13	7	0	0%	0%	0%	0%	0%	15%	46%	38%
S EAR 02	6	5	1	0	0%	0%	0%	0%	0%	20%	0%	80%
S MET 37	134	115	17	2	12%	0%	0%	0%	0%	31%	0%	57%
S MET 38	130	120	10	0	0%	0%	0%	0%	1%	28%	1%	70%
S MET 39	81	79	2	0	0%	0%	0%	0%	0%	44%	0%	56%
S MET 40	7	5	2	0	0%	0%	0%	0%	0%	20%	0%	80%
Totals/Avg:	378	337	39	2	2%	0%	0%	0%	0%	27%	8%	63%

Comprehensive Plan Designations

Public Access Points

Zoning

Early Winters
Early Winters
Early Winters
Early Winters
Early Winters
Mazama
Mazama
Mazama Rural
Mazama Rural
Mazama Rural
Mazama Rural
WATER

9 DEVELOPED: 3
UNDEVELOPED: 9
INFORMAL:
UNKNOWN: 1

Rural Residential
Special Review
Comm
Uplands
Urban Residential
WATER

Structures

Current Shoreline Designations

S EAR 01 4
S EAR 02
S MET 37 76
S MET 38 45
S MET 39 39

S EAR 01 CONS
S EAR 02 CONS
S MET 37 CONS
 RUR
 WATER
S MET 38 CONS

S MET 40	1
Total	165

S MET 39	CONS
S MET 40	CONS

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S EAR 01	1	S EAR 01	0.90	0.72	4
S EAR 02	none	S EAR 02	0.88	0.71	4
S MET 37	1	S MET 37	0.83	0.79	4
S MET 38	none	S MET 38	0.85	0.82	4
S MET 39	none	S MET 39	0.80	0.77	3
S MET 40	none	S MET 40	0.89	0.77	4
		Averages:	0.86	0.76	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S EAR 01	360.00	360.00	360.00	0.00	S EAR 01	0.22
S EAR 02					S EAR 02	0.50
S MET 37	375.28	1430.00	30.00	394.13	S MET 37	0.34
S MET 38	511.18	1430.00	40.00	427.06	S MET 38	0.23
S MET 39	238.06	560.00	30.00	171.18	S MET 39	2.41
S MET 40	1000.00	1000.00	1000.00	0.00	S MET 40	0.46
Averages:					Average:	0.69

Narrative

The Upper Methow Character Zone begins just upstream of where Lost River joins the Methow River. This portion of river is highly dynamic, draining a vast wilderness landscape of steep forested hills and snow and glacially covered peaks. The river flows in a south east direction where numerous small tributaries and streams contribute sediment and flows. Early Winters Creek enters the system at RM 67.5 creating an alluvial fan where the river meanders through large cobbles and sediments, creating a complex channel structure. This character zone is highly active with a wide floodplain that actively recruits new cottonwoods and riparian vegetation. Shorelines are largely forested and relatively undeveloped in this zone although vacation and full time homes, including a few large track conservation properties and resorts, do occupy the surrounding lands. Public access is highly developed via a trail network for both summer and winter access to the river.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
I OKANOGAN RIVER	UPPER OKANOGAN	S OKA 33 S OKA 34 S OKA 35 S OKA 36 S OKA 37 S OKA 38 S OKA 39

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S OKA 33	56	54	1	1	56%	2%	2%	0%	0%	37%	0%	4%
S OKA 34	126	99	25	2	86%	6%	0%	0%	0%	5%	0%	3%
S OKA 35	20	1	18	1	0%	0%	0%	0%	0%	100%	0%	0%
S OKA 36	64	6	56	2	67%	0%	0%	0%	0%	33%	0%	0%
S OKA 37	59	12	46	1	33%	0%	0%	0%	0%	67%	0%	0%
S OKA 38	25	8	16	1	63%	0%	0%	0%	0%	38%	0%	0%
S OKA 39	66	7	56	3	29%	0%	0%	0%	14%	57%	0%	0%
Totals/Avg:	416	187	218	11	47%	1%	0%	0%	2%	48%	0%	1%

Comprehensive Plan Designations

IA
IA
IA
IA
IA
IA
IA
WATER
WATER
WATER
WATER
WATER
WATER
WATER

Public Access Points

0 DEVELOPED:
UNDEVELOPED: 4
INFORMAL:
UNKNOWN: 3

Zoning

MINREQ
WATER

Structures

S OKA 33 81
S OKA 34 39

Current Shoreline Designations

S OKA 33 RUR
WATER

S OKA 35	5
S OKA 36	10
S OKA 37	24
S OKA 38	16
S OKA 39	11
Total	186

S OKA 34	RUR WATER
S OKA 35	RUR WATER
S OKA 36	RUR WATER
S OKA 37	RUR WATER
S OKA 38	RUR WATER
S OKA 39	DIKED RUR URB WATER

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S OKA 33	1 dock	S OKA 33	0.74	0.66	3
S OKA 34	1	S OKA 34	0.76	0.73	3
S OKA 35	none	S OKA 35	0.92	0.74	4
S OKA 36	none	S OKA 36	0.90	0.81	4
S OKA 37	none	S OKA 37	0.85	0.74	4
S OKA 38	none	S OKA 38	0.86	0.73	4
S OKA 39	none	S OKA 39	0.89	0.78	4
Averages:			0.85	0.74	4

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S OKA 33	772.89	1780.00	40.00	513.09	S OKA 33	0.21
S OKA 34	714.33	2180.00	50.00	573.04	S OKA 34	0.09
S OKA 35	315.00	340.00	290.00	35.36	S OKA 35	0.00
S OKA 36	186.43	620.00	2.00	222.98	S OKA 36	0.01
S OKA 37	259.17	1040.00	60.00	270.97	S OKA 37	0.03
S OKA 38	483.44	2400.00	1.00	768.64	S OKA 38	0.04
S OKA 39	393.75	2400.00	40.00	812.21	S OKA 39	0.01
Averages:	446.43	1537.14	69.00	456.61	Average:	0.06

Narrative

The Upper Okanogan Character Zone begins at the confluence of the Similkameen River with where lake Osoyoos outflows and forms the Okanogan at Oroville and runs south 15 miles, RM 76 - 61. The river meanders southward through a wide floodplain that narrows as it approaches Tonasket at RM 58. The confluence area is a low gradient, complex channel with multiple wide meanders, side channels, wetlands, point bars, and islands. This portion supports seasonal grazing, but is otherwise free flowing and dynamic. As the floodplain begins to narrow near RM 64, orchards and intensive agriculture begin to dominate the surrounding landscape. No developed or established public access exists within this 15 mile stretch.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
LOWER SINLAHEKIN RIVER	UPPER SIMILKAMEEN	S SIM 09 S SIM 10

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S SIM 09	29	23	5	1	70%	0%	9%	0%	13%	9%	0%	0%
S SIM 10	32	19	12	1	68%	0%	11%	0%	5%	0%	0%	16%
Totals/Avgs:	61	42	17	2	69%	0%	10%	0%	9%	4%	0%	8%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified	2 DEVELOPED: 2	MINREQ
Unclassified	UNDEVELOPED:	WATER
WATER	INFORMAL:	
WATER	UNKNOWN: 1	

Structures	Current Shoreline Designations
S SIM 09 4	S SIM 09 RUR
S SIM 10 2	WATER
Total 6	S SIM 10 RUR
	WATER

Overwater Structures	Quad Score
S SIM 09 none	Score 1 Score 2 Quad Score
S SIM 10 none	S SIM 09 0.88 0.53 2
	S SIM 10 0.90 0.50 2
	Averages: 0.89 0.52 2

Setbacks	Subdivision Density
Avg Max Min Std Dev	4 S SIM 09 0.05
S SIM 09 45.00 60.00 30.00 21.21	5 S SIM 10 0.02
S SIM 10 60.00 60.00 60.00 0.00	Average: 0.03
Averages: 52.50 60.00 45.00 10.61	

Narrative

The Upper Similkameen begins at the Canadian border in T40N R25E to RM 22.3 where it adjoins the Palmer Creek, the outflow of Palmer Lake. This portion of river supports a wide floodplain with a robust complex channel, marked by side channel wetlands, abandoned oxbows and lush riparian vegetation. Land uses are primarily grazing and interspersed agriculture. Access to the Upper Similkameen is available at two WDFW sites located at RM 23.6, and RM 26.2, respectively.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
TORODA CREEK	WALKER LAKE	L WAL 00

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L WAL 00	3	3	0	0	67%	0%	0%	0%	0%	0%	0%	33%
Totals/Avg:	3	3	0	0	67%	0%	0%	0%	0%	0%	0%	33%

Comprehensive Plan Designations	Public Access Points	Zoning
Unclassified		MINREQ

Structures	Current Shoreline Designations
L WAL 00	L WAL 00 CONS
<hr/> Total	

Overwater Structures	QuadScore
L WAL 00 none	
	Score 1 Score 2 Quad Score
	<hr/> L WAL 00 0.87 0.56 4
	Averages: 0.87 0.56 4

Setbacks	Subdivision Density
Avg Max Min Std Dev	
L WAL 00	9 L WAL 00 0.09
	Average: 0.09
Averages:	

Narrative

Walker Lake is located in Section 27 T38N R30E. The lake is 40 acres in area. The lake is nearly circular in shape and shallow with a maximum depth of 32 feet. The lake bottom is sandy clay and the shoreline is lined by a sandy beach around its entire perimeter. The western shoreline is forested whereas the eastern shoreline is open rangeland. The shoreline is privately owned with no public access.

Recommendations

Averages: 0.75 0.43 1

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
L WAN 01	126.67	340.00	20.00	125.17	L WAN 01	0.21
L WAN 02	135.47	710.00	10.00	144.97	L WAN 02	0.99
Averages:	131.07	525.00	15.00	135.07	L WAN 03	0.00
					L WAN 04	0.00
					Average:	0.30

Narrative

Wannacut Lake lies with T39N R26N in Section 24. The lake sits in a north/south trough surrounded by moderately forested hills. The shoreline measures approximate 5 miles in length. The eastern shoreline has been heavily subdivided for residential/vacation cabins, while the western shoreline is still intact and supports open range lands. There is one public access site in SW corner of the lake with a boat ramp.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
UPPER OKANOGAN RIVER	WEST OSOYOOS	L OSO 01 L OSO 02

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
L OSO 01	167	130	36	1	12%	0%	0%	0%	4%	75%	0%	9%
L OSO 02	182	92	89	1	11%	0%	0%	0%	0%	72%	0%	17%
Totals/Avgs:	349	222	125	2	11%	0%	0%	0%	2%	74%	0%	13%

Comprehensive Plan Designations	Public Access Points	Zoning
IA	5 DEVELOPED: 5 UNDEVELOPED: INFORMAL: UNKNOWN:	CONS
IA		MINREQ
WATER		WATER
WATER		

Structures	Current Shoreline Designations
L OSO 01 153	L OSO 01 SUB
L OSO 02 80	WATER
Total 233	L OSO 02 SUB
	WATER

Overwater Structures	QuadScore
L OSO 01 21 docks, 8 floats, 1 unknow	Score 1 Score 2 Quad Score
L OSO 02 13 docks, 9 floats	L OSO 02 0.78 0.45 1
	L OSO 01 0.78 0.51 1
	Averages: 0.78 0.48 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	6 L OSO 01 2.11
L OSO 01 104.87 450.00 1.00 81.22	7 L OSO 02 1.36
L OSO 02 101.09 670.00 20.00 93.51	Average: 1.73
Averages: 102.98 560.00 10.50 87.36	

Narrative

Lake Osoyoos lies within Canada and the US. The United States portion of Lake Osoyoos is located in Section 22 T40N R27E. Lake Osoyoos measures 2055 acres and therefore constitutes a shoreline of statewide significance. There are extensive gravel and sand beaches along the shoreline. West Osoyoos constitutes its own character zone based on its high level of residential development including homes and docks. The entire lake is designated within the UGA of Oroville (and is served by public

water and some sewer). Public access is found along the western shoreline at the City of Oroville Deep Bay with picnic, launch and swimming areas and numerous private campgrounds and small resorts that provide access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
SANPOIL RIVER	WEST SANPOIL RIVER	S SAN 01
		S SAN 02
		S SAN 03
		S SAN 04
		S SAN 05
		S SAN 06
		S SAN 07
		S SAN 08
		S SAN 09
		S SAN 10
		S SAN 11
		S SAN 12

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(g) Industrial
	(b) Parcels Analyzed	(h) Mining
	(c) Unknown Use	(i) Public Use
	(d) Number of Water Parcels	(j) Residential
	(e) Agriculture	(k) Resort/Camp
	(f) Commercial	(l) Undeveloped

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S SAN 01	1	1	0	0	100%	0%	0%	0%	0%	0%	0%	0%
S SAN 02	4	2	2	0	100%	0%	0%	0%	0%	0%	0%	0%
S SAN 03	6	2	4	0	100%	0%	0%	0%	0%	0%	0%	0%
S SAN 04	4	3	1	0	100%	0%	0%	0%	0%	0%	0%	0%
S SAN 05	4	3	1	0	100%	0%	0%	0%	0%	0%	0%	0%
S SAN 06	11	9	2	0	33%	0%	0%	0%	0%	0%	0%	67%
S SAN 07	21	20	1	0	15%	0%	0%	0%	0%	45%	0%	40%
S SAN 08	3	3	0	0	0%	0%	0%	0%	0%	67%	0%	33%
S SAN 09	8	8	0	0	25%	0%	0%	0%	0%	50%	0%	25%
S SAN 10	11	11	0	0	45%	0%	0%	0%	0%	27%	0%	27%
S SAN 11	12	12	0	0	0%	0%	0%	0%	0%	42%	0%	58%
S SAN 12	13	12	1	0	8%	0%	0%	0%	0%	42%	0%	50%
Totals/Avgs:	98	86	12	0	52%	0%	0%	0%	0%	23%	0%	25%

Comprehensive Plan Designations

Unclassified
 Unclassified
 Unclassified
 Unclassified
 Unclassified
 Unclassified
 Unclassified

PublicAccess Points

6 DEVELOPED:
 UNDEVELOPED:
 INFORMAL:
 UNKNOWN: 1

Zoning

MINREQ

Unclassified
 Unclassified
 Unclassified
 Unclassified
 Unclassified

Structures		Current Shoreline Designations	
S SAN 01		S SAN 01	RUR
S SAN 02		S SAN 02	RUR
S SAN 03		S SAN 03	RUR
S SAN 04	3	S SAN 04	RUR
S SAN 05	3	S SAN 05	RUR
S SAN 06	4	S SAN 06	RUR
S SAN 07	9	S SAN 07	RUR
S SAN 08		S SAN 08	Undesignated
S SAN 09	6	S SAN 09	Undesignated
S SAN 10	5	S SAN 10	Undesignated
S SAN 11	4	S SAN 11	Undesignated
S SAN 12	4	S SAN 12	Undesignated
Total	38		

Overwater Structures		QuadScore			
			Score 1	Score 2	Quad Score
S SAN 01	none	S SAN 01	0.92	0.55	4
S SAN 02	none	S SAN 02	0.95	0.53	2
S SAN 03	1	S SAN 03	0.82	0.30	1
S SAN 04	none	S SAN 04	0.94	0.54	2
S SAN 05	none	S SAN 05	0.87	0.34	2
S SAN 06	none	S SAN 06	0.94	0.42	2
S SAN 07	2	S SAN 07	0.80	0.38	1
S SAN 08	none	S SAN 08	0.90	0.40	2
S SAN 09	none	S SAN 09	0.93	0.48	2
S SAN 10	1	S SAN 10	0.82	0.48	1
S SAN 11	none	S SAN 11	0.94	0.48	2
S SAN 12	1	S SAN 12	0.91	0.53	2
		Averages:	0.90	0.45	2

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S SAN 01					S SAN 01	0.04
S SAN 02					S SAN 02	0.02
S SAN 03	10.00	10.00	10.00	0.00	S SAN 03	0.05
S SAN 04	175.00	340.00	10.00	233.35	S SAN 04	0.03
S SAN 05	340.00	340.00	340.00	0.00	S SAN 05	0.13
S SAN 06	375.00	410.00	340.00	49.50	S SAN 06	0.10
S SAN 07	173.00	390.00	2.00	162.47	S SAN 07	0.21
S SAN 08					S SAN 08	0.19
					S SAN 09	0.29

S SAN 09	284.00	490.00	50.00	200.95	S SAN 10	0.14
S SAN 10	210.00	250.00	140.00	60.83	S SAN 11	0.20
S SAN 11	293.33	520.00	150.00	198.58	S SAN 12	0.11
S SAN 12	352.50	500.00	100.00	190.68	Average:	0.13
Averages:	245.87	361.11	126.89	121.82		

Narrative

The West Fork of the Sanpoil River drains an area of nearly 200,000 acres. This portion of the Sanpoil runs in a SE direction from T36N, R30E to T35N, R31E for approximately 10 miles before it enters the mainstem of the Sanpoil. The surrounding landscape includes forested slopes and open rangelands. The West Fork of the Sanpoil sustains an actively floodplain with wide meanders that supports agriculture and grazing. Ownership includes private and Forest Service lands. No public access is documented.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
OKANOGAN RIVER	WHITESTONE LAKE	L WHI 01
		L WHI 02
		L WHI 03

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
L WHI 01	18	16	2	0	94%	0%	0%	0%	0%	0%	0%	6%
L WHI 02	10	8	2	0	100%	0%	0%	0%	0%	0%	0%	0%
Totals/Avg:	28	24	4	0	97%	0%	0%	0%	0%	0%	0%	3%

Comprehensive Plan Designations	Public Access Points	Zoning
IA	7 DEVELOPED: 1	MINREQ
IA	UNDEVELOPED:	
Unclassified	INFORMAL:	
Unclassified	UNKNOWN:	
Unclassified		

Structures	Current Shoreline Designations
L WHI 01 7	L WHI 01 CONS
L WHI 02 3	RUR
Total 10	L WHI 02 CONS
	RUR
	L WHI 03 CONS

Overwater Structures	QuadScore
L WHI 01 none	Score 1 Score 2 Quad Score
L WHI 02 none	L WHI 01 0.78 0.49 1
L WHI 03 none	L WHI 02 0.78 0.40 1
	L WHI 03 0.81 0.39 1
	Averages: 0.79 0.43 1

Setbacks	Subdivision Density
Avg Max Min Std Dev	4 L WHI 01 0.13
L WHI 01 236.67 360.00 50.00 164.42	5 L WHI 02 0.22
L WHI 02 225.00 300.00 150.00 106.07	6 L WHI 03 0.00
Averages: 230.83 330.00 100.00 135.24	Average: 0.12

Narrative

Whitestone Lake is located in Section 17 T38N R27E. The lake, a storage reservoir for the Whitestone

Reclamation District (WRD), measures 147 acres and provides 960 acre feet of storage. The WRD maintains the control structure and dam and provides the water from Toats Coulee Creek to maintain the lake at it's present size. The lake supports a spiny ray fishery. The northeastern shoreline has been stabilized for the Loomis-Oroville RD. A boat launch on State land provides access.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
CHEWACK RIVER	WINTHROP TOWN	S CHE 01 S MET 29 S MET 30

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels	(b) Parcels Analyzed	(c) Unknown Use	(d) Number of Water Parcels	(e) Agriculture	(f) Commercial	(g) Industrial	(h) Mining	(i) Public Use	(j) Residential	(k) Resort/Camp	(l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S CHE 01	186	178	3	5	0%	21%	1%	0%	1%	53%	0%	24%
S MET 29	112	102	5	5	12%	10%	1%	0%	1%	41%	2%	33%
S MET 30	84	75	4	5	16%	15%	1%	0%	11%	40%	1%	16%
Totals/Avgs:	382	355	12	15	9%	15%	1%	0%	4%	45%	1%	24%

Comprehensive Plan Designations	Public Access Points	Zoning
Rockview/Big Val	8 DEVELOPED: 2	B-I
Rockview/Big Val	UNDEVELOPED: 5	B-II
Sub-Unit B	INFORMAL:	C-3
Sub-Unit B	UNKNOWN: 2	MRD1
Sub-Unit B		R-1
WATER		R-2
WATER		R-HI
WATER		Rural Residential
Wolf Creek		Valley Floor
		WATER

Structures	Current Shoreline Designations
S CHE 01	79 S CHE 01 HIGH MEDIUM RUR WATER
S MET 29	76 S MET 29 CONS HIGH MEDIUM RUR WATER
S MET 30	52 S MET 30 CONS HIGH MEDIUM RUR WATER
Total	207

S CHE 01	2		Score 1	Score 2	Quad Score
S MET 29	1	S CHE 01	0.79	0.71	3
S MET 30	none	S MET 29	0.80	0.70	3
		S MET 30	0.80	0.71	3
Averages:			0.80	0.71	3

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S CHE 01	107.75	880.00	4.00	116.05	S CHE 01	1.79
S MET 29	190.21	820.00	40.00	159.27	S MET 29	0.73
S MET 30	319.21	1310.00	20.00	322.42	S MET 30	0.41
Averages:	205.72	1003.33	21.33	199.25	Average:	0.98

Narrative

Shorelines in the Town of Winthrop include the Chewack River from about RM 0.5 downstream to the confluence with the Methow River, and the Methow River between RM 49-51. Where these rivers meet is a dynamic braided channel. Efforts to control channel movement have resulted in a flood control levee along the right bank of the Methow (which serves a ski trail in the winter) and extensive rip rap along the Chewack to protect riverfront businesses and two bridges. Nevertheless, this highly developed portion of the river still maintains a high level of ecological integrity and the Winthrop Park offers direct public access at the confluence for fishing, swimming and light boat craft launch. A pedestrian bridge at the north end of downtown provides access to a new park area along the Chewuch River and in south Winthrop, Heckendorn Park provides access to the Methow. Visual access to the river is an important feature to the town's identity as the riverfront properties command high real estate values. Recreation and commercial interests are a top priority for shorelines in this zone.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
METHOW RIVER	WINTHROP TOWN	S CHE 01 S MET 29 S MET 30

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S CHE 01	186	178	3	5	0%	21%	1%	0%	1%	53%	0%	24%
S MET 29	112	102	5	5	12%	10%	1%	0%	1%	41%	2%	33%
S MET 30	84	75	4	5	16%	15%	1%	0%	11%	40%	1%	16%
Totals/Avgs:	382	355	12	15	9%	15%	1%	0%	4%	45%	1%	24%

Comprehensive Plan Designations	Public Access Points	Zoning
Rockview/Big Val	8 DEVELOPED: 2 UNDEVELOPED: 5 INFORMAL: UNKNOWN: 2	B-I
Rockview/Big Val		B-II
Sub-Unit B		C-3
Sub-Unit B		MRD1
Sub-Unit B		R-1
WATER		R-2
WATER		R-HI
WATER		Rural Residential
Wolf Creek		Valley Floor
		WATER

Structures	Current Shoreline Designations
S CHE 01 79	S CHE 01 HIGH
S MET 29 76	MEDIUM
S MET 30 52	RUR
-----	WATER
Total 207	S MET 29 CONS
	HIGH
	MEDIUM
	RUR
	WATER
	S MET 30 CONS
	HIGH
	MEDIUM
	RUR
	WATER

Overwater Structures	QuadScore
S CHE 01 2	Score 1 Score 2 Quad Score

S MET 29	1	S CHE 01	0.79	0.71	3
S MET 30	none	S MET 29	0.80	0.70	3
		S MET 30	0.80	0.71	3
		Averages:	0.80	0.71	3

Setbacks					Subdivision Density	
	Avg	Max	Min	Std Dev		
S CHE 01	107.75	880.00	4.00	116.05	S CHE 01	1.79
S MET 29	190.21	820.00	40.00	159.27	S MET 29	0.73
S MET 30	319.21	1310.00	20.00	322.42	S MET 30	0.41
Averages:	205.72	1003.33	21.33	199.25	Average:	0.98

Narrative

Shorelines in the Town of Winthrop include the Chewack River from about RM 0.5 downstream to the confluence with the Methow River, and the Methow River between RM 49-51. Where these rivers meet is a dynamic braided channel. Efforts to control channel movement have resulted in a flood control levee along the right bank of the Methow (which serves a ski trail in the winter) and extensive rip rap along the Chewack to protect riverfront businesses and two bridges. Nevertheless, this highly developed portion of the river still maintains a high level of ecological integrity and the Winthrop Park offers direct public access at the confluence for fishing, swimming and light boat craft launch. A pedestrian bridge at the north end of downtown provides access to a new park area along the Chewuch River and in south Winthrop, Heckendorn Park provides access to the Methow. Visual access to the river is an important feature to the town's identity as the riverfront properties command high real estate values. Recreation and commercial interests are a top priority for shorelines in this zone.

Recommendations

Shoreline Character Zones – Summary Pages

WATERSHED	CHARACTER ZONE	ANALYSIS UNITS
UPPER METHOW	WINTHROP TOWN	S CHE 01 S MET 29 S MET 30

Landuse Percentage (by Parcel) within Shorelines of Okanogan Count

Column Key	(a) Number of Parcels (b) Parcels Analyzed (c) Unknown Use (d) Number of Water Parcels (e) Agriculture (f) Commercial	(g) Industrial (h) Mining (i) Public Use (j) Residential (k) Resort/Camp (l) Undeveloped
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
S CHE 01	186	178	3	5	0%	21%	1%	0%	1%	53%	0%	24%
S MET 29	112	102	5	5	12%	10%	1%	0%	1%	41%	2%	33%
S MET 30	84	75	4	5	16%	15%	1%	0%	11%	40%	1%	16%
Totals/Avg:	382	355	12	15	9%	15%	1%	0%	4%	45%	1%	24%

Comprehensive Plan Designations

Public Access Points

Zoning

Rockview/Big Val
 Rockview/Big Val
 Sub-Unit B
 Sub-Unit B
 Sub-Unit B
 WATER
 WATER
 WATER
 Wolf Creek

8 DEVELOPED: 2
 UNDEVELOPED: 5
 INFORMAL:
 UNKNOWN: 2

B-I
 B-II
 C-3
 MRD1
 R-1
 R-2
 R-HI
 Rural Residential
 Valley Floor
 WATER

Structures

S CHE 01	79
S MET 29	76
S MET 30	52
Total	207

Current Shoreline Designations

S CHE 01 HIGH
 MEDIUM
 RUR
 WATER
 S MET 29 CONS
 HIGH
 MEDIUM
 RUR
 WATER
 S MET 30 CONS
 HIGH
 MEDIUM
 RUR
 WATER

Overwater Structures

QuadScore

S CHE 01 2

Score 1 Score 2 Quad Score

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