



State of Wisconsin DNR Department of Natural Resources Water Permit Central Intake – attn. APM PO Box 7185 Madison, WI 53707-7185	Mechanical Aquatic Plant Control Permit
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Permit Number: NE-2021-70-10935M
Permit Expiration Date: October 1, 2021
Waterbody Name: Silver Lake

Waterbody # (WBIC): 107900
Fee Received: 300
Waterbody Address: W6912 S Silver Lake Rd

Applicant Name: Mike Ruhland
W6912 S. Silver Lake Rd.
Wautoma, WI 54982
Email:
Phone:

Applicator Name: Aquatic Plant Management LLC
PO Box 1134
Minocqua, WI 54548
Email: Chrisian@aquaticplantmanagement.com
Phone: 952-412-1340

Advanced Notification of Treatment is required

The Department has received and reviewed your application to mechanically remove up to 16.75 acres of Eurasian Water Milfoil in Silver Lake in Waushara County. Please go to this web address: <https://permits.dnr.wi.gov/water/SitePages/Permit%20Search.aspx> to search for and download the permit documents. Your permit application meets the minimum requirements by law and a permit is being issued with the following conditions.

- You shall follow the treatment plan outlined in the permit application and permit conditions. Any changes to the permitted activity will require an additional permit from the Department.
- The treatment notification protocols, treatment plan, and reporting protocols shall be performed in compliance with Wisconsin Administrative Code Chapter NR 109. Noncompliance with the permit can result in enforcement actions under Wis. Stat. Chapters 23, 30 and 31 and restriction of aquatic plant management activities for subsequent years under Wisconsin Administrative Code Chapter NR 109. The conditions and treatment plan are required to be followed to ensure efficacy of the treatment.
- You shall notify Christopher Kolasinski of the Department of Natural Resources at 920-252-5053 or Christopher.kolasinski@wisconsin.gov, 4 business days before treatment with the date and time of proposed treatment.
- You shall have a paper or electronic copy of this decision letter and permit with the individual conducting the harvesting during all associated harvesting events.

- You shall submit an annual report with a detailed map of treatment areas, total acres harvested, total time spent harvesting and aquatic plant material removed by weight (unit), volume (unit) and species – including by-catch, within 30 days of the last treatment to [DNR APM Program](#).

If you have any questions or concerns, I can be reached at 920-252-5053 or by email at

Christopher.Kolasinski@wisconsin.gov

State of Wisconsin Department of Natural Resources for the Secretary

By: Kolasinski, Chris	5/17/2021	5/19/2021
Water Resources Biologist	Date Signed	Date Mailed

Please Note:

If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent. This notice is provided pursuant to s. 227.48(2), Wis. Stats. To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

Notice

- You shall decontaminate all project equipment used in the waterbody to minimize transport of aquatic invasive species (AIS) immediately after each use on the project site. You shall utilize best management practices: <https://dnr.wi.gov/topic/Invasives/disinfection.html> You shall comply with all provisions in Wis. Stat. s. 30.07 and Wis. Adm. Code s. NR 40.07 and Manual code 9183.1 For further information, please refer to the following: <https://dnr.wi.gov/topic/invasives/classification.html>.
- You shall not remove or redistribute bed material with the suction/conveyor hose. Activities causing more than a de minimus disturbance are subject to Wis. Stat. Ch. 30 and may not be conducted without a permit under that chapter.

Aquatic Plant Management

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. If there are no updates in 90 days, your draft is deleted

This Application has been Signed and Submitted by: i:0#.f|wamsmembership|cwahman signed on 2021-05-01T22:06:43

Site or Project Name:

Silver Lake 2021

The permit application will be saved automatically with this name

Activity:

Mechanical Control Application

3200-113 Mechanical - Manual Plant Control Application

- Complete all applicable forms
- Attach a water body map that shows the harvest location(s), harvest dimensions and riparian landowners.
- Certify that a copy of the application has been provided to any affected property owner's association/district and to landowners adjacent to treatment area.
- Pay fee online.
- Sign and Submit form.

Contact Information

Applicant Information

Organization Aquatic Plant Management LLC

Last Name: Wahman

First Name: Christian

Mailing Address: PO Box 1134

City: Minocqua

State: WI

Zip Code: 54548

Email:

Phone Number:
(xxx-xxx-xxxx)

Alternative Phone Number:
(xxx-xxx-xxxx)

Waterbody Address

Last Name: Ruhland

First Name: Mike

Street Address: W6912 S. Silver Lake Rd

City: Wautoma

State: WI

Zip Code: 54982

Email:

Phone Number:
(xxx-xxx-xxxx)

Alternative Phone Number:
(xxx-xxx-xxxx)

Removal Firm Information (if sub contracted)

Name of Firm: Aquatic Plant Management LLC

Address: PO Box 1134

City: Minocqua

State: WI

Zip: 54548

Email: christian@aquaticplantmanagement.com

Phone Number:
(xxx-xxx-xxxx) 952-412-1340

Adjacent Riparian Property Owners or Other Individuals Sponsoring Removal

In the attachment section, attach a copy of a lake map that includes the property(s) to be harvested. On the map identify the following required information.

- Area and dimensions of each proposed plant removal area.
- Location of all riparian neighbors (property owners riparian to and adjacent to the proposed removal area) including project participants and non-participants. Consecutively number each riparian neighbor (both project participants and non-participants). In the space below:
- Name all riparian owners, including project participants & non-participants. The number should correspond with the numbered properties on the map. Attach additional sheets if necessary.
- Check Yes box to indicate project participants and No box for non-participants.

Name of Riparian Neighbor	Project Participant	Control Dimensions (calculated acreage)
see attachment	<input type="radio"/> Yes <input checked="" type="radio"/> No	16.75

Site Information - Complete

Water Body to be Treated

Waterbody Property Owners Association or Waterbody District Representative :

Silver Lake Management District

None

Water Body Name:

Silver Lake

County:

Waushara

Latitude:

44.05411

Longitude:

-89.233111

Section:

18

Township:

11

Range:

07

Direction:

E W

Waterbody Surface Area:

360 acres

Estimated Surface area that is 10ft or less

acres

Proposed Treatment Area

Length of project area ft. x Shoreline or area width ft. /43,560= Estimated Acreage Avg. Depth ft.

Offshore Control Site Length ft. x Shoreline or area width ft. /43,560= Estimated Acreage Avg. Depth ft.

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Offshore Control Site Length ft. x Shoreline or area width ft. /43,560= Estimated Acreage Avg. Depth ft.

Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.620	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.120	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.270	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.130	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.290	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.240	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.230	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.710	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	1.490	Estimated Acreage	Avg. Depth	8	ft.
Offshore Control Site Length	0	ft. x Shoreline or area width	0	ft. /43,560=	0.500	Estimated Acreage	Avg. Depth	8	ft.

TOTAL ESTIMATED ACREAGE 16.750000000

Notice: Pursuant to s. 23.24, Wis. Stats., the information requested on this form is required by the Department of Natural Resources (DNR) to permit aquatic plant control mechanical and/or manual application. Failure to complete and submit this form will result in no permit being issued. Personally identifiable information collected will be used for program administration and may be made available to requesters to the extent required under Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Section II: Location of Aquatic Plant Removal

Has a Lake Management plan been provided to the DNR? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know	If Yes, date approved of most current copy 5/3/2017	Location of Applicant file copy
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Does the proposed plant removal agree with the approved plan? Yes No

If NO, explain, Attach additional sheets if necessary.

Is this area within or adjacent to a Sensitive Area designated by the Wisconsin Department of Natural Resources?

Yes No Don't Know If yes, list sites:

Name of 1st Plant Disposal Site (if applicable) Latitude: 44.023176 Longitude: -89.187256	1/4 1/4 ---	1/4 ---	Section ---	Township ---	Range ---	<input type="radio"/> E <input type="radio"/> W	County
Name of 2nd Plant Disposal Site (if applicable)	1/4 1/4 ---	1/4 ---	Section ---	Township ---	Range ---	<input type="radio"/> E <input type="radio"/> W	County

What type of aquatic plants below the Ordinary High Water Mark are proposed to be removed? (check all that apply)

Emergent (above water level) Submergent (below water level) Floating Leaf (at the surface i.e. lily pads)

Section IV: Methods

What mechanical or manual methods to remove plants are proposed? (check all that apply)

Mechanical harvesting Raking Other (specify) Diver Assisted Suction Harvesting (DASH)
 Hand Pulling Cutting Alum

If alum is proposed, has a plan been developed? Yes No If yes, please include the plan with this application.

Please explain why you selected the proposed cutting method(s).

Section VI: Reasons for Aquatic Plant Removal

Purpose of Aquatic Plant Removal:

Maintain navigational channel for common use
 Maintain private boat access
 Maintain private access for fishing
 Improve Swimming
 Other _____

Nuisance Caused By:

Emergent water plants
 Submergent water plants
 Floating water plants
 Other _____

Name of plants, if known

 Hybrid Watermilfoil

Section VII: Integrated Pest Management (Alternatives Considered)

A. Previously Done?

1. Chemical Yes No
 2. Dredging Yes No
 3. Drawdown Yes No
 4. Nutrient controls in watershed Yes No
 5. Nutrient controls on property Yes No
 6. Other Yes No

B. Presently Proposed?

Yes No
 Yes No
 Yes No
 Yes No
 Yes No
 Yes No

Note: Consider feasibility of alternatives for **each** control site. this information not only helps the department make a decision on this applicatio

but also helps you evaluate your investment in aquatic plant management.

Describe the level of success for alternative methods previously used:

1. Chemical
2. Dredging
3. Drawdown
4. Nutrient controls in watershed
5. Nutrient controls on property
6. Other

Full scale and targeted chemical treatments have been effective previously

Required Attachments and Supplemental Information

Upload Required Attachments (15 MB per file limit) - [Help reduce file size and trouble shoot file uploads](#)

* indicates completion of this item is required

Note: To add additional attachments using the down arrow icon. To replace an existing file, use the 'Click here to attach file ' link. To remove additional items, select the item and press CNTRL Delete.

Riparian Owners

 File Attachment

[Riparian_Owners_.doc](#)

Site Map

 File Attachment

[2021PropsoedHandHarvestingStrategy.JPG](#)

Fee Calculation

Mechanical Removal

Fees are not refundable and are calculated as follows:

- Single riparian area, one property owner, less than one acre **\$30.00**
- Multiple riparian areas, offshore control areas, multiple riparian properties, one acre or greater \$30/acre (round up to nearest whole acre) If proposed removal acre is greater than 10 acres fee caps at \$300

Acreage: 16.75

Acreage Fee: \$300

Total Fee: \$300

Payment Information

Invoice Number: WP-00029260

Payment Confirmation Number: WS2WT3006611842

Amount Paid: \$300

Sign and Submit

Applicant Responsibilities and Certification

1. The applicant has prepared a detailed map, which shows the length, width and average depth of each area proposed for the control of rooted vegetation.
2. The applicant understands that the Department of Natural Resources may require supervision of any aquatic plant management project involving removal. Supervision may include inspection of the proposed treatment area and/or equipment, before, during, or after removal. The applicant is required to notify the regional office 4 working days in advance of each anticipated date of plant removal with the date, time, location and size of plant removal unless the Department waives this requirement. The advance notification may be specified in your permit.
3. The applicant agrees to inform all operators of harvesting equipment of the conditions and terms of this permit and to insure that all operators understand and abide by those terms and conditions.
4. The applicant agrees to comply with all terms and conditions of this permit, if used, as well as applicable Wisconsin Administrative Rules. The required fee is attached.
5. Conditions related to invasive species movement. The applicant and operator agree to the following methods required under s. NR 109.05(2), Wis. Adm. Code for controlling, transporting and disposing of aquatic plants and animals, and moving water:
 - Aquatic plants and animals shall be removed and water drained from all equipment as required by s. 30.07, Wis. Stats., and ss. NR 19.055 and 40.07, Wis. Adm. Code.
 - Operator shall comply with the most recent Department-approved 'Boat, Gear, and Equipment Decontamination and Disinfection Protocol', Manual Code # 9183.1, available at <http://dnr.wi.gov/topic/invasives/disinfection.html>

I hereby certify that the above information is true and correct and that copies of the application have been provided to the appropriate parties named in Section II and that the conditions of the permit will be adhered to. All portions of this permit, map and accompanying cover letter must be in possession of the applicant or their agent at time of plant removal. During plant removal activities, all provisions of applicable Wisconsin Administrative Rules must be complied with, as well as the specific conditions contained in the permit cover letter

Steps to Complete the signature process

IMPORTANT: All email correspondence will be sent to the address associated with your WAMS ID).

1. Read and Accept the Responsibilities and Certification
2. Press the Initiate Signature Process button
3. Open the confirmation email for a one time confirmation code and instructions to complete the signature process.

You will receive a final acknowledgement email upon completing these steps .

Check if you are signing as Agent for Applicant.

i:0#.f|wamsmembership|cwahman signed on 2021-

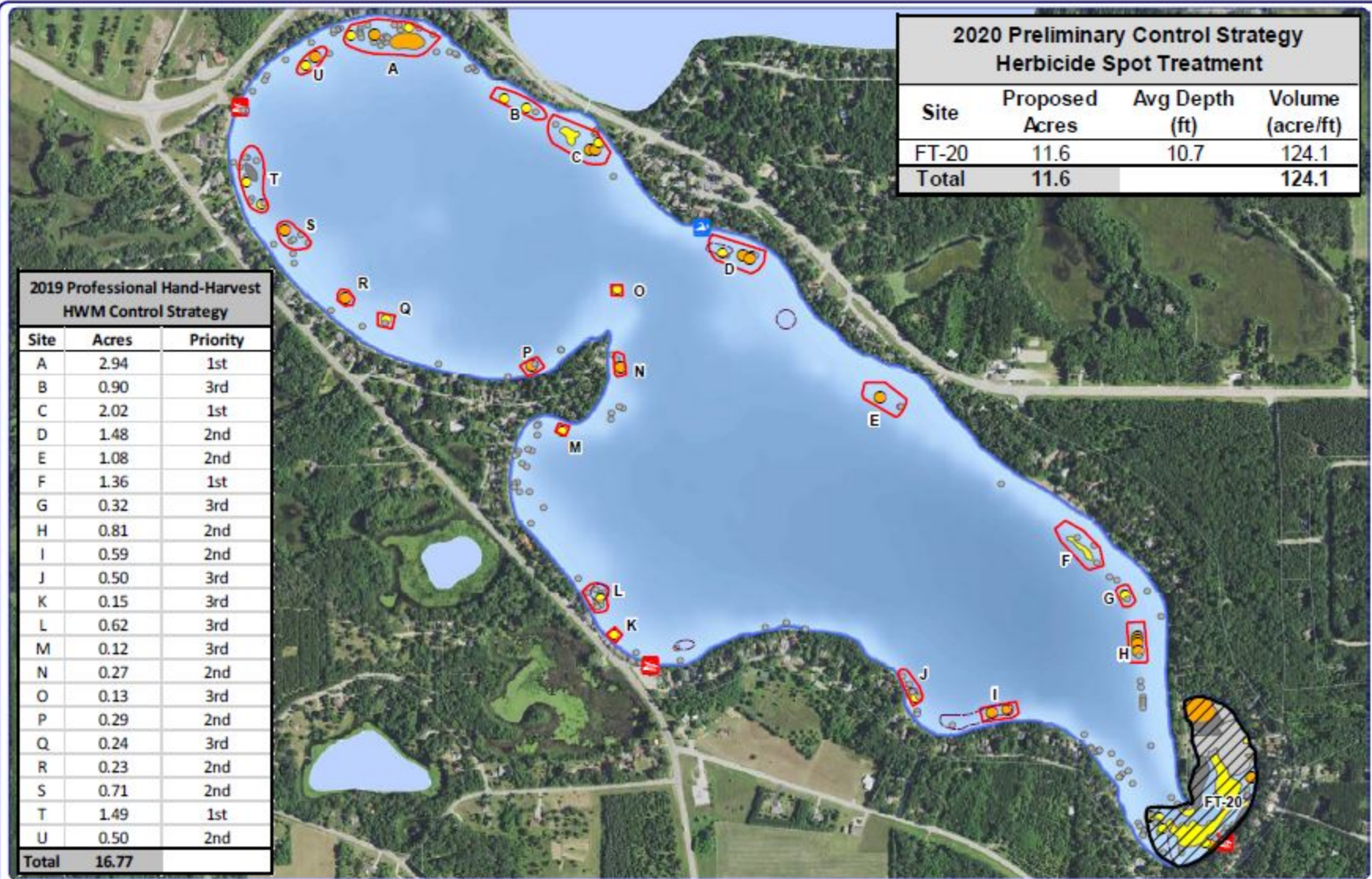
I hereby certify that the above information is true and correct and that copies of this submittal have been provided to the appropriate parties named in the contact section and that the conditions of the permit and pesticide use will be adhered to.

2020 Preliminary Control Strategy Herbicide Spot Treatment

Site	Proposed Acres	Avg Depth (ft)	Volume (acre/ft)
FT-20	11.6	10.7	124.1
Total	11.6		124.1

2019 Professional Hand-Harvest HWM Control Strategy

Site	Acres	Priority
A	2.94	1st
B	0.90	3rd
C	2.02	1st
D	1.48	2nd
E	1.08	2nd
F	1.36	1st
G	0.32	3rd
H	0.81	2nd
I	0.59	2nd
J	0.50	3rd
K	0.15	3rd
L	0.62	3rd
M	0.12	3rd
N	0.27	2nd
O	0.13	3rd
P	0.29	2nd
Q	0.24	3rd
R	0.23	2nd
S	0.71	2nd
T	1.49	1st
U	0.50	2nd
Total	16.77	



Onterra LLC
Lake Management Planning
815 Prosper Road
De Pere, WI 54115
920.538.8900
www.onterra-llc.com

Sources:
Roads and Hydro: WDNR
Hydrography: Onterra, 2015
Aquatic Plants: Onterra, 2019
Map Date: December 10, 2019 TWM



Legend

- September 2019 HWM/EWM Locations
- Highly Scattered
- Scattered
- Dominant
- Highly Dominant
- Surface Matting
- Single or Few Plants
- Clump of Plants
- Small Plant Colony
- 2020 Priority Hand-Harvest Site
- 2019 Priority Hand-Harvest Site
- Proposed 2020 Herbicide Treatment Area

Map 1
Silver Lake
Waushara County, Wisconsin
**Proposed 2020 HWM
Management Strategy**

Silver Lake Management District
FoxTail Bay or nearby homes

S Silver Lake Road

W6794 Randall & Debra Schlicht
W6790 Juergen Stuebs
W6786 John & Jill Reimer
W6780 Geri Hoffmann
W6776 Richard & Mary Ann O'Bara
W6770 David & Judy Stricker
W6764 Tim & Rachel Mittelstadt
W6758 Lawrence & Janice Barzyk
W6746 Brian Meckleberg
W6740 Paul & Nicole Riegert
W6732 Julie A. Livesey
W6728 Charles & Mary Lou Reuter

N Silver Lake Road

N1843 Ken & Arlene Zilinsky
N1851 Lou Flinker
N1857 Donald & Thomas Marks
N1861 Kim Wiley
N1865 Fred & Janelle Gallitin
N1867 Nancy Hawkins
N1869 Bob & Luann Sittig
N1873 Bruce & Carol Carroll
N1877 Julie Youles & Gil Hammer
N1881 Dan & Darleen Rigden
N1885 Bev Kaplan
N1889 William & Linda Herbert
N1895 Wayne T. & Amy Hoffmann
N1901 Lance Peroutka
N1905 Cary & Kay Singer
N1911 Gloria & James Mosling
N1915 Paul & Marcia Engen
N1923 Daniel & Shirley Petri
N1931 Jim & Karen Hurley
N1935 Mary Czarnecki
N1941 Gary Stabelfeldt
N1947 Irv Possin
N1951 Michael & Megan Jilek
N1955 Harold Lee & Susan Sommer
N1961 Lynn Sommer

Fox Tail Road or Fox Tail Point Road

W6745 John & Denise Sommer
W6748 Tom & Bonnie Brierton
W6754 Dennis & Nancy Brierton
W6760 Tom & Bonnie Brierton
W6764 Bob & Ruthann WeberGannon
W6772 Brian & Megan Butch
W6776 Randy & Nancy Reilly