

North Cascades National Park  
Ross Lake and Lake Chelan National Recreation Areas  
Sedro Woolley, Washington 98284

TOPOGRAPHIC MAP SURVEY OF  
RESERVOIRS, LAKES, PONDS, AND TARNs  
OF THE NORTH CASCADES NATIONAL  
PARK SERVICE COMPLEX, WASHINGTON

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Outlet Area of Copper Lake August 8, 1973



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TOPOGRAPHIC MAP SURVEY OF RESERVOIRS, LAKES, PONDS, AND TARNs  
OF THE NORTH CASCADES NATIONAL PARK SERVICE COMPLEX, WASHINGTON

A recent study of the U. S. Geological Survey topographic maps shows a total of 235 bodies of standing (lentic) water located partially or entirely within the Park Complex. Three of these are man-made hydroelectric reservoirs and one is a natural lake with its fullpool elevation modified for hydroelectric generation. This leaves 231 natural lakes and ponds ranging in size from many small ponds of less than 0.5 hectare to Silver Lake, the largest natural lake in the Park Complex at 65 hectares (163 acres) surface area.

The north park unit of the Complex contains 104 (44.2 percent) of the lakes; the south park unit has 74 (31.5 percent); the Ross Lake National Recreation Area contains 38 lakes (16.2 percent); while the Lake Chelan National Recreation Area has 19 lakes and ponds (8.1 percent). Seventy-five lakes (31.9 percent) have been named.

Most lakes of the Complex are relatively small with surface areas of 8 hectares (20 acres) or less. There are 209 lakes and ponds in this size class. These 209 lakes and ponds comprise 90 percent of the total lakes of the Complex, but they contain only 248 hectares (612 acres) or 9.1 percent of the total lake surface area.

Virtually every significant body of permanent standing water of more than 0.2 ha (0.5 ac) in surface area appears on the 7.5 minute topographic quadrangles published after 1963. However, the earlier 15 minute quadrangles, because of their smaller scale, are not so accurate, and it is probable that many ponds of up to 0.4 ha (1 ac) do not appear. The 82 lakes shown on the Lake Shannon, Marblemount, Mount Challenger, and Mt. Shuksan 15 minute quadrangles might some day be significantly increased in number when this northwest section of the Park Complex is re-mapped on the standard larger scale of 1:24,000 on 7.5 minute topographic sheets. An alternative to the use of topographic maps would be a lake survey made from existing aerial photographs or from high altitude space satellite photography.

All the lentic waters of the Park Complex which appear on U. S. Geological Survey topographic map quadrangles are listed in Tables 10 through 21. An index to all named lakes is included in Tables 6 through 9. The metric system is used because of the trend in the United States toward adoption of this standardized system of weights and measures. To change metric to English measurements and back again, use the following conversion values:

Area Conversions:

1 hectare (ha) = 10,000 square meters  
hectares x 2.471 = acres (ac)  
acres x 0.405 = hectares  
hectares x 0.00386 = square miles



### Elevation (length) Conversions:

1 meter (m) = 3.28 feet (ft)  
meters x 3.28 = feet  
feet x 0.305 = meters  
1 kilometer = 1,000 meters  
1 kilometer = 3,281 feet

Lake elevations were taken from listed elevations on the topographic maps, or were determined from contour lines and converted to the nearest meter. Surface area of lakes was determined by use of a polar planimeter or by referral to Wolcott (1965). All lakes appearing on 7.5 minute quadrangle maps were measured by planimeter.

Topographic map code numbers were assigned individual lakes as a means of identifying each body of water, especially the many unnamed lakes. Each topographic map quadrangle was given code letters which act as a prefix for the individual lake codes. Lakes and ponds appearing on that quadrangle were assigned numbers as the suffix in the code. Thus HM-1 is lake number one on the Hozomeen Mtn. Quadrangle Sheet. Coded quadrangle sheets are kept in the office of the research biologist. Table 1 lists all topographic quadrangle sheets with code prefix letters, publishing dates, and the number of lakes and ponds which appear on each quadrangle.

Management units of the North Cascades National Park Service Complex are identified on tables as: 1 - north park unit; 2 - south park unit; 3 - Ross Lake National Recreation Area; and 4 - Lake Chelan National Recreation Area.

Table 2 summarizes all lakes and ponds by general size classification for the Park Complex as a whole, and for each of the 4 management units comprising the Complex. Since this map survey was initially made in January 1973, it was discovered that an unnamed glacial melt pond of 1.1 ha (2.7 ac) at the foot of Boston Glacier has been covered by an advancing lobe of the glacier. This has taken place since U. S. Geological Survey aerial photographs were made for topographic mapping purposes in 1958. However, the lake is still included in the Forbidden Peak Quadrangle tabular presentation as the lake may reappear some years hence when the glacial margin again recedes. This lake as well as many others in the North Cascades can be considered as being transitory or intermittent. Evidence indicates that several glacial lakes have formed or reappeared in the last 50 or 60 years as alpine glaciers retreated allowing glacier meltwater to fill the ice-carved depressions or to be backed up behind terminal and lateral moraines. Post et al. (1971) present evidence of the creation of 12 ha Klawatti Lake as Klawatti Glacier and North Klawatti Glacier shrank allowing the lake to form after 1947. Klawatti Lake ranks 14th in size (surface area) among all natural lakes of the North Cascades National Park Service Complex.



Table 3 summarizes named and unnamed lakes for the Park Complex as well as for each management unit. Table 4 lists the 25 largest lakes (by surface area). Silver Lake is unique in being not only the largest natural lake but also the highest in elevation. In fact, Silver Lake is about the highest lake on the Pacific slope of the North Cascades north of Stevens Pass. Silver Lake also has the potential for being one of the deepest alpine or subalpine lakes because of its size and basin morphometry.

Table 5 summarizes basic information relating to surface area and elevation of the 3 reservoirs and modified natural lake (Lake Chelan).

This report will be updated when more lake information becomes available.

#### References Cited:

- Post, Austin, Don Richardson, Wendell V. Tangborn, and F. L. Rosselot.  
1971. Inventory of glaciers in the North Cascades, Washington.  
Geological Survey Professional Paper 705-A. 26 p. + 3 plates.
- Wolcott, Ernest E. 1965. Lakes of Washington, Vol. 1, Western  
Washington. 2nd Edition, Washington State Div. of Water Resources,  
Water Supply Bull. 14. 619 p.



Table 1. U. S. Geological Survey Topographic map quadrangles covering the North Cascades National Park Service Complex.

|                                  | Publishing<br>Date | Map<br>Code | Number Lakes<br>In Quadrangle |
|----------------------------------|--------------------|-------------|-------------------------------|
| <hr/>                            |                    |             |                               |
| <u>15 Minute:</u> <sup>1/</sup>  |                    |             |                               |
| Lake Shannon                     | 1952               | LS          | 7                             |
| Marblemount                      | 1953               | M           | 23                            |
| Mount Challenger                 | 1953               | MC          | 41                            |
| Mt. Shuksan                      | 1953               | MS          | 11                            |
| <br>                             |                    |             |                               |
| <u>7.5 Minute:</u> <sup>2/</sup> |                    |             |                               |
| Cascade Pass                     | 1963               | CP          | 1                             |
| Diablo Dam                       | 1963               | DD          | 9                             |
| Eldorado Peak                    | 1963               | EP          | 19                            |
| Forbidden Peak                   | 1963               | FP          | 11                            |
| Gilbert                          | 1969               | G           | 0                             |
| Goode Mtn.                       | 1963               | GM          | 2                             |
| Hozomeen Mtn.                    | 1969               | HM          | 4                             |
| Jack Mountain                    | 1969               | JM          | 0                             |
| McAlester Mtn.                   | 1969               | MC          | 20                            |
| McGregor Mtn.                    | 1963               | MM          | 11                            |
| Mt. Arriva                       | 1963               | MA          | 5                             |
| Mt. Logan                        | 1963               | ML          | 6                             |
| Mt. Lyall                        | 1963               | MLy         | 2                             |
| Mt. Prophet                      | 1969               | MP          | 20                            |
| Mt. Spicard                      | 1969               | MSP         | 3                             |
| Pumpkin Mountain                 | 1969               | PM          | 24                            |
| Ross Dam                         | 1963               | RD          | 7                             |
| Skagit Peak                      | 1969               | SP          | 0                             |
| Sonny Boy Lakes                  | 1963               | SB          | 5                             |
| Stehekin                         | 1969               | S           | 1                             |
| Sun Mountain                     | 1963               | SM          | 3                             |

<sup>1/</sup> scale: 1:62,500

<sup>2/</sup> scale: 1:24,000



Table 2. Summary of all lakes, ponds and tarns of the North Cascades National Park Service Complex. Area expressed in hectares (ha)<sup>1/</sup>

|                                         | Unit 1<br>N. Park<br>Unit | Unit 2<br>S. Park<br>Unit | Units<br>1 & 2<br>Total | Unit 3<br>Ross L.<br>NRA | Unit 4<br>L.Chelan<br>NRA | Park<br>Complex<br>Total |
|-----------------------------------------|---------------------------|---------------------------|-------------------------|--------------------------|---------------------------|--------------------------|
| <u>Ponds &amp; Tarns</u><br>( < 0.8 ha) |                           |                           |                         |                          |                           |                          |
| No.                                     | 45                        | 41                        | 86                      | 26                       | 8                         | 120                      |
| Area                                    | 13.24                     | 9.97                      | 23.21                   | 4.89                     | 2.93                      | 31.03                    |
| <u>Small Lakes</u><br>(0.8 - 8 ha)      |                           |                           |                         |                          |                           |                          |
| No.                                     | 47                        | 25                        | 72                      | 7                        | 10                        | 89                       |
| Area                                    | 115.69                    | 59.79                     | 175.48                  | 15.0                     | 26.12                     | 216.60                   |
| <u>Medium Lakes</u><br>(8 - 20 ha)      |                           |                           |                         |                          |                           |                          |
| No.                                     | 4                         | 5                         | 9                       | 1                        | 0                         | 10                       |
| Area                                    | 48.68                     | 61.08                     | 109.76                  | 10.8                     | -                         | 120.56                   |
| <u>Large Lakes</u><br>( > 20 ha)        |                           |                           |                         |                          |                           |                          |
| No.                                     | 6                         | 3                         | 9                       | 4                        | 1                         | 14                       |
| Area                                    | 235.58                    | 115.81                    | 351.39                  | 5,099.20                 | 912.76                    | 6,363.35                 |
| <u>Unit Total</u>                       |                           |                           |                         |                          |                           |                          |
| No.                                     | 104                       | 74                        | 178                     | 38                       | 19                        | 235                      |
| Area                                    | 413.19                    | 246.65                    | 659.84                  | 5,129.89                 | 941.81                    | 6,731.54                 |
| <u>Percent of lakes</u>                 | 44.26                     | 31.49                     | 75.75                   | 16.17                    | 8.08                      | 100                      |
| <u>Percent of area</u>                  | 6.1                       | 3.7                       | 9.8                     | 76.2                     | 14.0                      | 100                      |

<sup>1/</sup> 1 ha (hectare) equals 2.471 acres  
1 ha equals 10,000 square meters  
1 square mile equals 259 hectares



Table 3. Summary of named and unnamed lakes, ponds, and tarns of the Complex.

|                      | <u>Unit 1</u><br>N. Park<br>Unit | <u>Unit 2</u><br>S. Park<br>Unit | <u>Units</u><br>1 & 2<br><u>Total</u> | <u>Unit 3</u><br>Ross L.<br>NRA | <u>Unit 4</u><br>L.Chelan<br>NRA | <u>Park</u><br>Complex<br><u>Total</u> |
|----------------------|----------------------------------|----------------------------------|---------------------------------------|---------------------------------|----------------------------------|----------------------------------------|
| <u>Named Lakes</u>   |                                  |                                  |                                       |                                 |                                  |                                        |
| No.                  | 42                               | 14                               | 56                                    | 11                              | 8                                | 75                                     |
| Area*                | 355.87                           | 194.81                           | 550.68                                | 5,120.03                        | 930.54                           | 6,601.25                               |
| <u>Unnamed Lakes</u> |                                  |                                  |                                       |                                 |                                  |                                        |
| No.                  | 62                               | 60                               | 122                                   | 27                              | 11                               | 160                                    |
| Area*                | 57.32                            | 51.84                            | 109.16                                | 9.86                            | 11.27                            | 130.29                                 |
| <u>Total</u>         |                                  |                                  |                                       |                                 |                                  |                                        |
| No.                  | 104                              | 74                               | 178                                   | 38                              | 19                               | 235                                    |
| Area*                | 413.19                           | 246.65                           | 659.84                                | 5,129.89                        | 941.81                           | 6,731.54                               |

\* hectares (hectares x 2.471 = acres)



Table 4. Twenty-five largest natural lakes of the Complex arranged according to surface area.

| Lake           | County | Complex Unit | Elevation |         | Surface Area |          |
|----------------|--------|--------------|-----------|---------|--------------|----------|
|                |        |              | Feet      | Meters  | Acres        | Hectares |
| Silver         | W      | 1            | 6,763     | 2,062.7 | 162.8        | 65.14    |
| Trapper        | C      | 2            | 4,165     | 1,270.3 | 147.4        | 58.97    |
| Berdeen        | W      | 1            | 5,000     | 1,525.0 | 127.0        | 50.80    |
| Hanging *      | W      | 1            | 4,550     | 1,387.7 | 106.0 *      | 42.40    |
| Hozomeen       | W      | 3            | 2,823     | 861.0   | 96.0         | 38.40    |
| Azure          | W      | 1            | 4,055     | 1,236.8 | 89.0         | 35.60    |
| Moraine        | S      | 2            | 4,519     | 1,378.3 | 81.3         | 32.51    |
| Green          | W      | 1            | 4,300     | 1,311.5 | 80.1         | 32.04    |
| Hidden         | S      | 2            | 5,733     | 1,748.6 | 60.8         | 24.33    |
| Lower Thornton | W      | 1            | 4,450     | 1,357.2 | 56.0         | 22.40    |
| Green View     | C      | 2            | 5,455     | 1,664   | 40.2         | 16.07    |
| Price          | W      | 1            | 3,895     | 1,188   | 40.0         | 16.00    |
| Upper Thornton | W      | 1            | 5,040     | 1,537   | 31.0         | 12.40    |
| Klawatti       | S      | 2            | 5,325     | 1,624   | 30.1         | 12.03    |
| Doubtful       | C      | 2            | 5,385     | 1,642   | 30.1 **      | 12.03    |
| Monogram       | S      | 2            | 4,840     | 1,476   | 28.0         | 11.20    |
| Sourdough      | W      | 1            | 4,623     | 1,410   | 27.7         | 11.08    |
| Willow         | W      | 3            | 2,853     | 870     | 27.0         | 10.80    |
| Stout          | S      | 2            | 5,230     | 1,595   | 24.4         | 9.75     |
| Bear           | W      | 1            | 5,800     | 1,769   | 23.0         | 9.20     |
| unnamed (FP-1) | S      | 2            | 5,340     | 1,629   | 17.8         | 7.10     |
| Luna           | W      | 1            | 4,900     | 1,494   | 17.0         | 6.80     |
| unnamed (MC-7) | W      | 1            | 5,100     | 1,556   | 16.0         | 6.40     |
| Sulphide       | W      | 1            | 3,800     | 1,159   | 16.0         | 6.40     |
| unnamed (M-9)  | W      | 1            | 5,020     | 1,531   | 16.0         | 6.40     |

\* 29.6 hectares (74 acres) in United States, the rest in Canada

\*\* includes 0.11 hectare (0.28 acre) island

W - Whatcom      1 - North Park Unit  
S - Skagit        2 - South Park Unit  
C - Chelan        3 - Ross Lake NRA  
                     4 - Lake Chelan NRA



Table 5. Man-made lakes (reservoirs) and a modified natural lake wholly or partially located within the two recreation areas.

|                                             | <sup>1/</sup><br>Elevation |               | Total Surface Area |                 | Percent of<br>Surface Area<br>In Complex |
|---------------------------------------------|----------------------------|---------------|--------------------|-----------------|------------------------------------------|
|                                             | <u>Feet</u>                | <u>Meters</u> | <u>Acres</u>       | <u>Hectares</u> |                                          |
| 1. Ross Lake<br>(Hydroelectric reservoir)   | 1,602                      | 489           | 11,680             | 4,672           | 98.7 <sup>2/</sup>                       |
| 2. Diablo Lake<br>(Hydroelectric reservoir) | 1,205                      | 368           | 910                | 364             | 100                                      |
| 3. Gorge Lake<br>(Hydroelectric reservoir)  | 875                        | 267           | 210                | 84              | 100                                      |
| 4. Lake Chelan<br>(Modified natural lake)   | 1,096                      | 335.5         | 35,200             | 14,245          | 6.48 <sup>3/</sup>                       |

<sup>1/</sup> Full pool elevation (m.s.l.)

<sup>2/</sup> 59.2 hectares (148 acres)

<sup>3/</sup> 915 hectares (2,282 acres)



Table 6. Index to 42 named lakes of Unit 1 (north park unit) of the North Cascades National Park Service Complex.

| Lake                  | Code<br>No. | Table<br>No. | Page<br>No. |
|-----------------------|-------------|--------------|-------------|
| Azure                 | MP-9        | 21           | 24          |
| Bear                  | MC-12       | 12           | 14          |
| Berdeen               | M-8         | 11           | 13          |
| Blum (No. 1) (north)  | MC-2        | 12           | 14          |
| Blum (No. 2) (middle) | MC-1        | 12           | 14          |
| Blum (No. 3) (south)  | M-11        | 11           | 13          |
| Blum (No. 4) (west)   | LS-7        | 10           | 12          |
| Copper                | MC-6        | 12           | 14          |
| Diobsud (No. 1)       | LS-1        | 10           | 12          |
| Diobsud (No. 2)       | LS-2        | 10           | 12          |
| Diobsud (No. 3)       | LS-3        | 10           | 12          |
| East (upper)          | MC-14 (1)   | 12           | 14          |
| East (lower)          | MC-14 (2)   | 12           | 14          |
| Egg                   | MC-4        | 12           | 14          |
| Eiley                 | MC-24       | 12           | 15          |
| Green                 | M-4         | 11           | 13          |
| Hanging               | MC-8        | 12           | 14          |
| Ipsoot                | LS-6        | 10           | 12          |
| Jeanita               | DD-1        | 13           | 16          |
| Luna                  | MC-29       | 12           | 15          |
| Middle (upper)        | MC-16 (1)   | 12           | 14          |
| Middle (lower)        | MC-16 (2)   | 12           | 14          |
| Mt. Triumph (south)   | M-16        | 11           | 13          |
| Mt. Triumph (north)   | M-21        | 11           | 13          |
| Noname                | PM-1        | 20           | 23          |
| Price                 | MS-3        | 10           | 12          |
| Reveille (upper)      | MC-21 (1)   | 12           | 15          |
| Reveille (lower)      | MC-21 (2)   | 12           | 15          |
| Silver                | MSp-1       | 18           | 21          |
| Skymo                 | PM-3        | 20           | 23          |
| Sourdough             | PM-12       | 20           | 23          |
| Sulphide              | MS-1        | 10           | 12          |
| Tapto (upper)         | MC-17 (1)   | 12           | 14          |
| Tapto (middle)        | MC-17 (2)   | 12           | 14          |
| Tapto (lower)         | MC-17 (3)   | 12           | 14          |
| Tapto (west)          | MC-17 (4)   | 12           | 14          |
| Thornton (upper)      | M-18        | 11           | 13          |
| Thornton (middle)     | M-19        | 11           | 13          |
| Thornton (lower)      | M-20        | 11           | 13          |
| Tiny                  | MC-15       | 12           | 14          |
| Triumph               | M-17        | 11           | 13          |
| Wiley                 | MC-25       | 12           | 15          |



Table 7. Index to 14 named lakes of Unit 2 (south park unit) of the North Cascades National Park Service Complex.

| Lake           | Code<br>No. | Table<br>No. | Page<br>No. |
|----------------|-------------|--------------|-------------|
| Dagger         | MC-4        | 16           | 19          |
| Doubtful       | CP-1        | 13           | 16          |
| Green View     | GM-2        | 13           | 16          |
| Hidden         | SB-1        | 19           | 22          |
| Kettling       | MC-5        | 16           | 19          |
| Klawatti       | FP-4        | 15           | 18          |
| Monogram       | M-23        | 11           | 13          |
| Moraine        | FP-7        | 15           | 18          |
| Silent (upper) | MA-2        | 15           | 18          |
| Silent (lower) | MA-3        | 15           | 18          |
| Stiletto       | MC-1        | 16           | 19          |
| Stout          | EP-9 (2)    | 14           | 17          |
| Trapper        | GM-1        | 13           | 16          |
| Waddell        | MM-6        | 17           | 20          |



Table 8. Index to 11 named lakes of the Ross Lake National Recreation Area (park unit No. 3).

| Lake                    | Code<br>No. | Table<br>No. | Page<br>No. |
|-------------------------|-------------|--------------|-------------|
| Bouck                   | DD-4        | 13           | 16          |
| Diablo                  | DD-2        | 13           | 16          |
| Gorge                   | DD-3        | 13           | 16          |
| Hozomeen                | HM-2        | 13           | 16          |
| Panther Pothole (upper) | RD-5 (1)    | 18           | 21          |
| Panther Pothole (lower) | RD-5 (2)    | 18           | 21          |
| Pyramid                 | RD-3        | 18           | 21          |
| Ridley                  | HM-3        | 13           | 16          |
| Ross                    | RD-1        | 18           | 21          |
| Thunder                 | RD-2        | 18           | 21          |
| Willow                  | HM-4        | 13           | 16          |

Table 9. Index to 8 named lakes of the Lake Chelan National Recreation Area (park unit No. 4).

| Lake            | Code<br>No. | Table<br>No. | Page<br>No. |
|-----------------|-------------|--------------|-------------|
| Battalion       | MLy-2       | 15           | 18          |
| Chelan          | S-1         | 19           | 22          |
| Coon            | MM-10       | 17           | 20          |
| Juanita         | SM-1        | 19           | 22          |
| McAlester       | MC-10       | 16           | 19          |
| Rainbow         | MC-14       | 16           | 19          |
| Triplet (lower) | SM-2 (1)    | 19           | 22          |
| Triplet (upper) | SM-2 (2)    | 19           | 22          |





24 ha Hidden Lake

13 September 1972



Table 10. Summary of lakes of the U.S.G.S. Lake Shannon and Mt. Shuksan 15 minute quadrangles.

| Quadrangle and<br>Lake | Topog.<br>Map No. | Park<br>Unit | County  | North<br>Latitude | West<br>Longitude | Surface      |                       | Aspect | Major<br>Drainage        |
|------------------------|-------------------|--------------|---------|-------------------|-------------------|--------------|-----------------------|--------|--------------------------|
|                        |                   |              |         |                   |                   | Area<br>(ha) | Elevation<br>(meters) |        |                          |
| <u>Lake Shannon</u>    |                   |              |         |                   |                   |              |                       |        |                          |
| No. 1 Diobsud          | IS-1              | 1            | Whatcom | 48-38-30          | 121-32-00         | 0.38         | 1,241                 | E      | Skagit R.                |
| No. 2 Diobsud          | IS-2              | 1            | Whatcom | 48-38-30          | 121-32-00         | 1.00         | 1,243                 | E      | Skagit R.                |
| No. 3 Diobsud          | IS-3              | 1            | Whatcom | 48-38-45          | 121-32-15         | 1.40         | 1,365                 | SE     | Skagit R.                |
| unnamed                | IS-4              | 1            | Whatcom | 48-41-05          | 121-30-15         | 1.00         | 1,479                 | NE     | Skagit R.                |
| unnamed                | IS-5              | 1            | Whatcom | 48-39-00          | 121-30-30         | 0.20         | 1,540                 | S      | Skagit R.                |
| Ipsoot                 | IS-6              | 1            | Whatcom | 48-42-45          | 121-32-05         | 3.60         | 1,372                 | NE     | Baker R.                 |
| No. 4 Blum (W)         | IS-7              | 1            | Whatcom | 48-44-52          | 111-30-00         | 2.80         | 1,510                 | SW     | Baker R.                 |
| <u>Mt. Shuksan</u>     |                   |              |         |                   |                   |              |                       |        |                          |
| Sulphide               | MS-1              | 1            | Whatcom | 48-48-15          | 121-35-00         | 6.40         | 1,159                 | SE     | Baker R.                 |
| unnamed                | MS-2              | 1            | Whatcom | 48-49-30          | 121-30-30         | 0.08         | 1,268                 | S      | Baker R.                 |
| Price                  | MS-3              | 1            | Whatcom | 48-51-15          | 121-36-15         | 16.00        | 1,188                 | NW     | Nooksack R.              |
| unnamed                | MS-4              | 1            | Whatcom | 48-51-32          | 121-31-00         | 1.40         | 1,635                 | SE     | Baker R.                 |
| unnamed                | MS-5              | 1            | Whatcom | 48-49-53          | 121-31-15         | 0.16         | 1,598                 | N      | Chilliwack-<br>Fraser R. |
| unnamed                | MS-6 (1)          | 1            | Whatcom | 48-55-03          | 121-31-08         | 0.28         | 1,549                 | W      | "                        |
| unnamed                | MS-6 (2)          | 1            | Whatcom | 48-55-03          | 121-31-08         | 0.20         | 1,549                 | W      | "                        |
| unnamed                | MS-6 (3)          | 1            | Whatcom | 48-55-03          | 121-31-08         | 0.20         | 1,549                 | W      | "                        |
| unnamed                | MS-6 (4)          | 1            | Whatcom | 48-55-03          | 121-31-08         | 0.20         | 1,549                 | W      | "                        |
| unnamed                | MS-7              | 1            | Whatcom | 48-56-54          | 121-30-30         | 0.60         | 1,696                 | W      | "                        |
| unnamed                | MS-8              | 1            | Whatcom | 48-50-40          | 121-37-05         | 0.16         | 1,250                 | NW     | "                        |



Table 11. Summary of lakes of the U.S.G.S. Marblemount 15 minute quadrangle

| Quadrangle and<br>Lake | Topog.<br>Map No. | Park<br>Unit | County  | North<br>Latitude | West<br>Longitude | Surface<br>Area<br>(ha) | Elevation<br>(meters) | Aspect | Major<br>Drainage |
|------------------------|-------------------|--------------|---------|-------------------|-------------------|-------------------------|-----------------------|--------|-------------------|
| <u>Marblemount</u>     |                   |              |         |                   |                   |                         |                       |        |                   |
| unnamed                | M-1               | 1            | Whatcom | 48-39-45          | 121-28-00         | 1.60                    | 1,159                 | E      | Skagit R.         |
| unnamed                | M-2               | 1            | Whatcom | 48-41-00          | 121-29-30         | 0.40                    | 1,571                 | NE     | Skagit R.         |
| unnamed                | M-3               | 1            | Whatcom | 48-41-00          | 121-29-15         | 0.32                    | 1,714                 | NE     | Skagit R.         |
| Green                  | M-4               | 1            | Whatcom | 48-42-00          | 121-30-00         | 32.04                   | 1,312                 | NE     | Skagit R.         |
| unnamed                | M-5               | 1            | Whatcom | 48-42-37          | 121-30-00         | 1.00                    | 1,388                 | NW     | Skagit R.         |
| unnamed                | M-6               | 1            | Whatcom | 48-43-15          | 121-29-45         | 0.60                    | 1,632                 | S      | Skagit R.         |
| unnamed                | M-7               | 1            | Whatcom | 48-42-45          | 121-28-38         | 3.20                    | 1,363                 | W      | Skagit R.         |
| Berdeen                | M-8               | 1            | Whatcom | 48-42-50          | 121-28-15         | 50.80                   | 1,525                 | SW     | Skagit R.         |
| unnamed                | M-9               | 1            | Whatcom | 48-43-20          | 121-28-15         | 6.40                    | 1,531                 | S      | Skagit R.         |
| unnamed                | M-10              | 1            | Whatcom | 48-44-45          | 121-29-20         | 0.80                    | 1,732                 | NW     | Baker R.          |
| No. 3 Blum (S)         | M-11              | 1            | Whatcom | 48-45-00          | 121-29-45         | 5.60                    | 1,525                 | SW     | Baker R.          |
| unnamed                | M-12              | 1            | Whatcom | 48-44-45          | 121-26-10         | 0.60                    | 1,488                 | NW     | Baker R.          |
| unnamed                | M-13              | 1            | Whatcom | 48-43-30          | 121-22-15         | 1.00                    | 1,556                 | S      | Skagit R.         |
| unnamed                | M-14              | 1            | Whatcom | 48-43-30          | 121-22-00         | 0.60                    | 1,467                 | SE     | Skagit R.         |
| unnamed                | M-15              | 1            | Whatcom | 48-42-25          | 121-22-30         | 0.56                    | 1,720                 | SW     | Skagit R.         |
| Mt. Triumph (S)        | M-16              | 1            | Whatcom | 48-42-40          | 121-21-50         | 3.60                    | 1,461                 | NE     | Skagit R.         |
| Triumph                | M-17              | 1            | Whatcom | 48-40-52          | 121-23-15         | 1.60                    | 1,113                 | NE     | Skagit R.         |
| Thornton (Upper)       | M-18              | 1            | Whatcom | 48-41-38          | 121-20-30         | 12.40                   | 1,537                 | E      | Skagit R.         |
| Thornton (Middle)      | M-19              | 1            | Whatcom | 48-41-32          | 121-20-00         | 4.40                    | 1,427                 | SE     | Skagit R.         |
| Thornton (Lower)       | M-20              | 1            | Whatcom | 48-41-00          | 121-19-45         | 22.40                   | 1,357                 | SW     | Skagit R.         |
| Mt. Triumph (N)        | M-21              | 1            | Whatcom | 48-43-00          | 121-21-45         | 2.00                    | 1,205                 | E      | Skagit R.         |
| unnamed                | M-22              | 1            | Whatcom | 48-43-45          | 121-27-00         | 0.80                    | 1,586                 | E      | Skagit R.         |
| Monogram               | M-23              | 2            | Skagit  | 48-33-10          | 121-31-45         | 11.20                   | 1,476                 | SW     | Skagit R.         |



Table 12. Summary of lakes of the U.S.G.S. Mt. Challenger 15 minute quadrangle.

| Quadrangle and<br>Lake | Topog.<br>Map No. | Park<br>Unit | County  | North    |           | West<br>Longitude | Surface      |                       | Aspect                   | Drainage |
|------------------------|-------------------|--------------|---------|----------|-----------|-------------------|--------------|-----------------------|--------------------------|----------|
|                        |                   |              |         | Latitude | Longitude |                   | Area<br>(ha) | Elevation<br>(meters) |                          |          |
| Mt. Challenger         |                   |              |         |          |           |                   |              |                       |                          |          |
| No. 2 Blum (M)         | MC-1              | 1            | Whatcom | 48-45-20 | 121-29-45 | 1.20              | 1,726        | SW                    | Baker R.                 |          |
| No. 1 Blum (N)         | MC-2              | 1            | Whatcom | 48-45-35 | 121-29-55 | 1.20              | 1,800        | SW                    | Baker R.                 |          |
| unnamed                | MC-3              | 1            | Whatcom | 48-51-30 | 121-25-45 | 0.80              | 1,678        | W                     | Baker R.                 |          |
| Egg                    | MC-4              | 1            | Whatcom | 48-54-00 | 121-29-08 | 0.80              | 1,604        | N                     | Chilliwick-<br>Fraser R. |          |
| unnamed                | MC-5              | 1            | Whatcom | 48-54-07 | 121-29-52 | 0.32              | 1,681        | NE                    | "                        |          |
| Copper                 | MC-6              | 1            | Whatcom | 48-55-05 | 121-26-45 | 3.20              | 1,601        | E                     | "                        |          |
| unnamed                | MC-7              | 1            | Whatcom | 48-58-30 | 121-28-50 | 6.40              | 1,556        | E                     | "                        |          |
| Hanging $\frac{1}{2}$  | MC-8              | 1            | Whatcom | 49-00-00 | 121-26-30 | 29.60             | 1,388        | E                     | "                        |          |
| unnamed (W)            | MC-9 (1)          | 1            | Whatcom | 48-58-00 | 121-29-15 | 0.20              | 1,556        | SE                    | "                        |          |
| unnamed (E)            | MC-9 (2)          | 1            | Whatcom | 48-50-00 | 121-29-08 | 0.48              | 1,543        | SE                    | "                        |          |
| unnamed                | MC-10             | 1            | Whatcom | 48-57-00 | 121-21-15 | 0.40              | 1,556        | NE                    | "                        |          |
| unnamed                | MC-11             | 1            | Whatcom | 48-58-20 | 121-18-45 | 5.60              | 1,616        | NE                    | "                        |          |
| Bear                   | MC-12             | 1            | Whatcom | 48-56-40 | 121-18-55 | 9.20              | 1,769        | W                     | "                        |          |
| unnamed                | MC-13             | 1            | Whatcom | 48-55-17 | 121-17-45 | 2.00              | 1,998        | S                     | Skagit R.                |          |
| East Lakes (upper)     | MC-14 (1)         | 1            | Whatcom | 48-53-30 | 121-20-03 | 0.80              | 1,708        | SE                    | "                        |          |
| East Lakes (lower)     | MC-14 (2)         | 1            | Whatcom | 48-53-22 | 121-19-50 | 3.00              | 1,678        | SE                    | "                        |          |
| Tiny                   | MC-15             | 1            | Whatcom | 48-53-14 | 121-20-35 | 0.08              | 1,860        | S                     | "                        |          |
| Middle (upper)         | MC-16 (1)         | 1            | Whatcom | 48-53-07 | 121-21-08 | 1.60              | 1,738        | SE                    | "                        |          |
| Middle (lower)         | MC-16 (2)         | 1            | Whatcom | 48-53-00 | 121-20-58 | 2.50              | 1,708        | S                     | "                        |          |
| Tapto (upper)          | MC-17 (1)         | 1            | Whatcom | 48-52-57 | 121-22-05 | 4.00              | 1,755        | S                     | Chilliwick-<br>Fraser R. |          |
| Tapto (middle)         | MC-17 (2)         | 1            | Whatcom | 48-52-50 | 121-22-05 | 0.32              | 1,754        | S                     | "                        |          |
| Tapto (lower)          | MC-17 (3)         | 1            | Whatcom | 48-52-45 | 121-22-05 | 0.12              | 1,753        | S                     | "                        |          |
| Tapto (west)           | MC-17 (4)         | 1            | Whatcom | 48-52-57 | 121-22-20 | 0.80              | 1,754        | S                     | "                        |          |
| unnamed                | MC-18             | 1            | Whatcom | 48-53-00 | 121-23-00 | 0.12              | 1,842        | SE                    | "                        |          |
| unnamed                | MC-19             | 1            | Whatcom | 48-51-32 | 121-21-00 | 1.00              | 1,452        | N                     | Skagit R.                |          |
| unnamed                | MC-20             | 1            | Whatcom | 48-51-25 | 121-20-52 | 0.60              | 1,494        | N                     | "                        |          |



Table 12. (continued)

| Quadrangle and<br>Lake | Topog.<br>Map No. | Park<br>Unit | County  | North<br>Latitude | West<br>Longitude | Surface<br>Area<br>(ha) | Elevation<br>(meters) | Aspect | Drainage     |
|------------------------|-------------------|--------------|---------|-------------------|-------------------|-------------------------|-----------------------|--------|--------------|
| <u>Mt. Challenger</u>  |                   |              |         |                   |                   |                         |                       |        |              |
| Reveille (upper)       | MC-21 (1)         | 1            | Whatcom | 48-53-45          | 121-22-00         | 1.20                    | 1,528                 | NE     | (Chilliwack- |
| Reveille (lower)       | MC-21 (2)         | 1            | Whatcom | 48-53-47          | 121-21-52         | 1.60                    | 1,525                 | NE     | (Fraser R.   |
| unnamed                | MC-22             | 1            | Whatcom | 48-52-05          | 121-19-07         | 1.20                    | 1,601                 | N      | Skagit R.    |
| unnamed                | MC-23             | 1            | Whatcom | 48-52-10          | 121-18-55         | 0.40                    | 1,635                 | N      | "            |
| Eiley                  | MC-24             | 1            | Whatcom | 48-51-52          | 121-18-07         | 1.00                    | 1,982                 | SE     | "            |
| Wiley                  | MC-25             | 1            | Whatcom | 48-51-30          | 121-18-38         | 2.40                    | 2,028                 | SE     | "            |
| unnamed                | MC-26             | 1            | Whatcom | 48-51-15          | 121-15-52         | 0.24                    | 828                   | NE     | "            |
| unnamed                | MC-27             | 1            | Whatcom | 48-47-32          | 121-21-50         | 4.56                    | 1,488                 | SE     | "            |
| unnamed                | MC-28             | 1            | Whatcom | 48-49-52          | 121-18-15         | 1.80                    | 1,110                 | NE     | "            |
| Luna                   | MC-29             | 1            | Whatcom | 48-49-25          | 121-17-45         | 6.80                    | 1,494                 | N      | "            |
| unnamed                | MC-30             | 1            | Whatcom | 48-47-23          | 121-17-52         | 0.52                    | 1,312                 | E      | "            |
| unnamed                | MC-31 (1)         | 1            | Whatcom | 48-51-37          | 121-16-50         | 0.12                    | 1,848                 | SE     | "            |
| unnamed                | MC-31 (2)         | 1            | Whatcom | 48-51-35          | 121-16-35         | 0.32                    | 1,696                 | SE     | "            |
| unnamed                | MC-32             | 1            | Whatcom | 48-52-00          | 121-19-12         | 1.20                    | 1,604                 | NW     | "            |
| unnamed                | MC-33             | 1            | Whatcom | 48-52-07          | 121-18-57         | 0.40                    | 1,632                 | NW     | "            |

1/ 12.8 hectares of Hanging Lake are in Canada. Total surface of lake is 42.4 hectares (106 acres)



Table 13. Summary of lakes of the U.S.G.S. Cascade Pass, Diablo Dam, Gilbert, Goode Mtn. and Hozomeen Mtn. 7.5 minute quadrangles.

| Quadrangle and Lake                   | Topog. Map No. | Park Unit | County  | North Latitude | West Longitude | Surface Area (ha)   | Elevation (meters) | Aspect | Drainage             |
|---------------------------------------|----------------|-----------|---------|----------------|----------------|---------------------|--------------------|--------|----------------------|
| <u>Cascade Pass</u>                   |                |           |         |                |                |                     |                    |        |                      |
| Doubtful                              | CP-1           | 2         | Chelan  | 48-28-25       | 121-02-45      | 12.03 <sup>1/</sup> | 1,642              | SW     | Stehekin-Columbia R. |
| <u>Diablo Dam</u>                     |                |           |         |                |                |                     |                    |        |                      |
| Jeanita                               | DD-1           | 1         | Whatcom | 48-44-45       | 121-08-20      | 0.52                | 1,496              | W      | Skagit R.            |
| Diablo                                | DD-2           | 3         | Whatcom | 48-42-56       | 121-07-52      | 364.0               | 368                | E-W    | Skagit R.            |
| Gorge                                 | DD-3           | 3         | Whatcom | 48-41-53       | 121-12-25      | 84.0                | 267                | SW-NE  | Skagit R.            |
| Bouck                                 | DD-4           | 3         | Whatcom | 48-41-00       | 121-11-00      | 4.13                | 1,174              | NW     | Skagit R.            |
| unnamed                               | DD-5           | 2         | Whatcom | 48-40-52       | 121-10-00      | 1.90                | 1,531              | SW     | Skagit R.            |
| unnamed                               | DD-6(1)        | 2         | Whatcom | 48-40-30       | 121-09-30      | 0.08                | 1,909              | S      | Skagit R.            |
| unnamed                               | DD-6(2)        | 2         | Whatcom | 48-40-25       | 121-09-35      | 0.08                | 1,909              | SE     | Skagit R.            |
| unnamed                               | DD-7           | 2         | Whatcom | 48-39-30       | 121-09-15      | 0.14                | 1,691              | NW     | Skagit R.            |
| unnamed                               | DD-8           | 2         | Skagit  | 48-37-40       | 121-09-12      | 0.92                | 2,135              | SW     | Skagit R.            |
| <u>Gilbert</u>                        |                |           |         |                |                |                     |                    |        |                      |
| no lakes                              |                |           |         |                |                |                     |                    |        |                      |
| <u>Goode Mtn.</u>                     |                |           |         |                |                |                     |                    |        |                      |
| Trapper                               | GM-1           | 2         | Chelan  | 48-26-30       | 120-59-45      | 58.97               | 1,270              | E      | Stehekin-Columbia R. |
| Green View                            | GM-2           | 2         | Chelan  | 48-28-00       | 120-53-15      | 16.07               | 1,664              | SE     | "                    |
| <u>Hozomeen Mtn.</u>                  |                |           |         |                |                |                     |                    |        |                      |
| unnamed                               | HM-1           | 3         | Whatcom | 48-59-15       | 121-04-15      | 0.22                | 490                | NW     | Skagit R.            |
| Hozomeen                              | HM-2           | 3         | Whatcom | 48-57-30       | 121-02-15      | 38.40               | 861                | N-S    | Skagit R.            |
| Ridley                                | HM-3           | 3         | Whatcom | 48-56-45       | 120-01-45      | 2.72                | 958                | S      | Skagit R.            |
| Willow                                | HM-4           | 3         | Whatcom | 48-56-30       | 121-00-15      | 10.80               | 870                | E-W    | Skagit R.            |
| <sup>1/</sup> includes 0.11 ha island |                |           |         |                |                |                     |                    |        |                      |



Table 14. Summary of lakes of the U.S.G.S. Eldorado Peak 7.5 minute quadrangle.

| Quadrangle and<br>Lake | Topog.<br>Map No. | Park<br>Unit | County | North<br>Latitude | West<br>Longitude | Surface<br>Area<br>(ha) | Elevation<br>(meters) | Aspect    | Drainage   |
|------------------------|-------------------|--------------|--------|-------------------|-------------------|-------------------------|-----------------------|-----------|------------|
| <u>Eldorado Peak</u>   |                   |              |        |                   |                   |                         |                       |           |            |
| unnamed                | EP-1              | 2            | Skagit | 48-37-25          | 121-09-40         | 0.61                    | 1,754                 | SW        | Skagit R.  |
| unnamed                | EP-2              | 2            | Skagit | 48-36-50          | 121-09-00         | 1.05                    | 1,751                 | E         | Skagit R.  |
| unnamed                | EP-3              | 2            | Skagit | 48-36-30          | 121-10-45         | 0.35                    | 1,299                 | N         | Skagit R.  |
| unnamed                | EP-4              | 2            | Skagit | 48-36-15          | 121-11-15         | 0.69                    | 1,626                 | SE        | Skagit R.  |
| unnamed                | EP-5              | 2            | Skagit | 48-36-05          | 121-10-10         | 2.70                    | 1,543                 | N         | Skagit R.  |
| unnamed                | EP-6              | 2            | Skagit | 48-36-05          | 121-10-20         | 3.67                    | 1,566                 | W         | Skagit R.  |
| unnamed                | EP-7 (1)          | 2            | Skagit | 48-36-05          | 121-09-55         | 0.07                    | 1,653                 | ridge top | Skagit R.  |
| unnamed                | EP-7 (2)          | 2            | Skagit | 48-36-05          | 121-09-55         | 0.07                    | 1,653                 | ridge top | Skagit R.  |
| unnamed                | EP-7 (3)          | 2            | Skagit | 48-36-05          | 121-09-55         | 0.06                    | 1,653                 | ridge top | Skagit R.  |
| unnamed                | EP-8 (1)          | 2            | Skagit | 48-35-53          | 121-10-10         | 0.12                    | 1,641                 | NW        | Skagit R.  |
| unnamed                | EP-8 (2)          | 2            | Skagit | 48-35-53          | 121-10-00         | 0.08                    | 1,665                 | ridge top | Skagit R.  |
| unnamed                | EP-9 (1)          | 2            | Skagit | 48-35-25          | 121-12-00         | 0.33                    | 1,580                 | W         | Skagit R.  |
| unnamed                | EP-9 (2)          | 2            | Skagit | 48-35-25          | 121-11-45         | 9.75                    | 1,595                 | W         | Skagit R.  |
| Stout                  | EP-10             | 2            | Skagit | 48-35-15          | 121-07-45         | 3.97                    | 1,711                 | SW        | Skagit R.  |
| unnamed                | EP-11 (1)         | 2            | Skagit | 48-34-30          | 121-08-30         | 1.04                    | 1,211                 | NW        | Skagit R.  |
| unnamed                | EP-11 (2)         | 2            | Skagit | 48-34-30          | 121-08-30         | 0.39                    | 1,205                 | NW        | Skagit R.  |
| unnamed                | EP-12             | 2            | Skagit | 48-34-52          | 121-11-53         | 0.25                    | 1,543                 | W         | Skagit R.  |
| unnamed                | EP-13             | 2            | Skagit | 48-34-30          | 121-11-00         | 0.85                    | 1,641                 | W         | Skagit R.  |
| unnamed                | EP-14             | 2            | Skagit | 48-30-10          | 121-11-00         | 1.76                    | 1,812                 | N         | Cascade R. |



Table 15. Summary of lakes of the U.S.G.S. Forbidden Peak, Mt. Arriva, and Mount Lyall 7.5 minute quadrangles.

| Quadrangle and Lake   | Topog. Map No. | Park Unit | County | North Latitude | West Longitude | Surface Area (ha) | Elevation (meters) | Aspect | Drainage             |
|-----------------------|----------------|-----------|--------|----------------|----------------|-------------------|--------------------|--------|----------------------|
| <u>Forbidden Peak</u> |                |           |        |                |                |                   |                    |        |                      |
| unnamed               | FP-1           | 2         | Skagit | 48-35-10       | 121-07-22      | 7.10              | 1,629              | NE     | Thunder-Skagit R.    |
| unnamed               | FP-2           | 2         | Skagit | 48-34-22       | 121-01-55      | 0.37              | 616                | E      | Skagit R.            |
| unnamed               | FP-3 (1)       | 2         | Skagit | 48-33-35       | 121-04-30      | 0.11              | 1,848              | S      | Skagit R.            |
| unnamed               | FP-3 (2)       | 2         | Skagit | 48-33-35       | 121-04-25      | 0.09              | 1,836              | W      | Skagit R.            |
| Klawatti              | FP-4           | 2         | Skagit | 48-33-10       | 121-04-35      | 12.03             | 1,624              | SE     | Thunder-Skagit R.    |
| unnamed               | FP-5           | 2         | Skagit | 48-32-47       | 121-04-37      | 0.67              | 1,693              | N-S    | "                    |
| unnamed               | FP-6           | 2         | Skagit | 48-32-38       | 121-04-33      | 0.53              | 1,690              | N-S    | "                    |
| Moraine               | FP-7           | 2         | Skagit | 48-31-37       | 121-04-35      | 32.51             | 1,378              | NE     | "                    |
| unnamed *             | FP-8           | 2         | Skagit | 48-30-55       | 121-01-45      | 1.10              | 1,523              | NE     | "                    |
| unnamed               | FP-9           | 2         | Skagit | 48-31-10       | 121-00-12      | 0.48              | 1,662              | NW     | "                    |
| unnamed               | FP-10          | 2         | Skagit | 48-31-00       | 121-00-33      | 0.15              | 1,662              | N      | "                    |
| <u>Mt. Arriva</u>     |                |           |        |                |                |                   |                    |        |                      |
| unnamed               | MA-1           | 2         | Skagit | 48-33-20       | 120-51-45      | 1.96              | 1,821              | NW     | Skagit R.            |
| Silent (upper)        | MA-2           | 2         | Chelan | 48-32-50       | 120-50-25      | 1.29              | 2,127              | E      | Stehekin-Columbia R. |
| Silent (lower)        | MA-3           | 2         | Chelan | 48-32-45       | 120-50-10      | 0.98              | 2,044              | S      | "                    |
| unnamed               | MA-4           | 2         | Chelan | 48-30-20       | 120-48-15      | 0.06              | 1,868              | W      | "                    |
| unnamed               | MA-5           | 2         | Chelan | 48-30-20       | 120-47-50      | 0.11              | 2,048              | W      | "                    |
| <u>Mount Lyall</u>    |                |           |        |                |                |                   |                    |        |                      |
| unnamed               | MLy-1          | 4         | Chelan | 48-20-45       | 120-47-45      | 0.33              | 1,912              | NE     | Stehekin-Columbia R. |
| Battalion             | MLy-2          | 4         | Chelan | 48-20-45       | 120-47-15      | 5.90              | 1,629              | NE     | "                    |

\*This lake has been displaced by glacier ice sometime since 1958



Table 16. Summary of lakes of the U.S.G.S. McAlester Mtn. 7.5 minute quadrangle.

| Quadrangle and Lake | Topog. Map No. | Park Unit | County | North Latitude | West Longitude | Surface Area (ha) | Elevation (meters) | Aspect    | Drainage             |
|---------------------|----------------|-----------|--------|----------------|----------------|-------------------|--------------------|-----------|----------------------|
| McAlester Mtn.      |                |           |        |                |                |                   |                    |           |                      |
| Stiletto            | MC-1           | 2         | Chelan | 48-28-05       | 120-39-15      | 4.0               | 2,072              | SE        | Stehekin-Columbia R. |
| unnamed             | MC-2           | 2         | Chelan | 48-28-10       | 120-38-15      | 0.003             | 1,873              | ridge top | "                    |
| unnamed             | MC-3           | 2         | Chelan | 48-27-52       | 120-38-52      | 0.16              | 1,873              | ridge top | "                    |
| Dagger              | MC-4           | 2         | Chelan | 48-28-07       | 120-39-10      | 3.61              | 1,680              | W         | "                    |
| Kettling            | MC-5           | 2         | Chelan | 48-26-55       | 120-44-15      | 3.98              | 1,639              | N         | "                    |
| unnamed             | MC-6           | 2         | Chelan | 48-26-35       | 120-43-52      | 0.64              | 1,693              | N         | "                    |
| unnamed             | MC-7           | 2         | Chelan | 48-26-05       | 120-43-37      | 0.11              | 2,083              | SE        | "                    |
| unnamed             | MC-8           | 2         | Chelan | 48-26-20       | 120-43-12      | 0.33              | 1,970              | SE        | "                    |
| unnamed             | MC-9           | 2         | Chelan | 48-26-00       | 120-43-00      | 1.74              | 1,813              | NE        | "                    |
| McAlester           | MC-10          | 4         | Chelan | 48-25-45       | 120-40-30      | 4.90              | 1,680              | NW        | "                    |
| unnamed             | MC-11          | 4         | Chelan | 48-24-52       | 120-41-15      | 1.03              | 1,864              | SE        | "                    |
| unnamed             | MC-12          | 4         | Chelan | 48-24-30       | 120-42-40      | 0.60              | 1,981              | S         | "                    |
| unnamed             | MC-13 (1)      | 4         | Chelan | 48-24-08       | 120-44-45      | 0.21              | 1,800              | NE        | "                    |
| unnamed             | MC-13 (2)      | 4         | Chelan | 48-24-03       | 120-44-45      | 1.23              | 1,789              | NE        | "                    |
| Rainbow             | MC-14          | 4         | Chelan | 48-24-07       | 120-44-15      | 5.88              | 1,717              | SE        | "                    |
| unnamed             | MC-15 (1)      | 4         | Chelan | 48-24-12       | 120-39-00      | 5.04              | 1,922              | N         | "                    |
| unnamed             | MC-15 (2)      | 4         | Chelan | 48-24-25       | 120-39-00      | 0.30              | 1,909              | N         | "                    |
| unnamed             | MC-16          | 4         | Chelan | 48-23-30       | 120-40-10      | 0.57              | 1,900              | W         | "                    |
| unnamed             | MC-17          | 4         | Chelan | 48-22-37       | 120-38-15      | 0.39              | 2,065              | SW        | "                    |
| unnamed             | MC-18          | 4         | Chelan | 48-24-28       | 120-40-10      | 0.29              | 1,771              | N         | "                    |



Table 17. Summary of lakes of the U.S.G.S. Jack Mountain, McGregor Mtn., and Mt. Logan 7.5 minute quadrangles.

| Quadrangle and<br>Lake | Topog.<br>Map No. | Park<br>Unit | County | North<br>Latitude | West<br>Longitude | Surface<br>Area<br>(ha) | Elevation<br>(meters) | Aspect | Drainage                 |
|------------------------|-------------------|--------------|--------|-------------------|-------------------|-------------------------|-----------------------|--------|--------------------------|
| <u>Jack Mountain</u>   |                   |              |        |                   |                   |                         |                       |        |                          |
| no lakes               |                   |              |        |                   |                   |                         |                       |        |                          |
| <u>McGregor Mtn.</u>   |                   |              |        |                   |                   |                         |                       |        |                          |
| unnamed                | MM-1              | 2            | Chelan | 48-29-57          | 120-49-30         | 0.83                    | 1,720                 | NW     | Stehekin-<br>Columbia R. |
| unnamed                | MM-2              | 2            | Chelan | 48-29-52          | 120-48-55         | 0.21                    | 2,108                 | N      | "                        |
| unnamed                | MM-3              | 2            | Chelan | 48-29-50          | 120-47-55         | 0.48                    | 1,897                 | E      | "                        |
| unnamed                | MM-4              | 2            | Chelan | 48-29-13          | 120-48-35         | 0.11                    | 1,934                 | SE     | "                        |
| unnamed                | MM-5              | 2            | Chelan | 48-28-10          | 120-50-15         | 0.21                    | 900                   | N-S    | "                        |
| Waddell                | MM-6              | 2            | Chelan | 48-26-20          | 120-49-00         | 4.07                    | 1,504                 | N      | "                        |
| unnamed                | MM-7              | 2            | Chelan | 48-25-52          | 120-48-52         | 0.81                    | 1,642                 | N      | "                        |
| unnamed                | MM-8              | 2            | Chelan | 48-25-35          | 120-48-52         | 0.69                    | 1,860                 | N      | "                        |
| unnamed                | MM-9              | 2            | Chelan | 48-25-37          | 120-47-25         | 0.05                    | 2,019                 | NW     | "                        |
| Coon                   | MM-10             | 4            | Chelan | 48-23-20          | 120-49-55         | 2.47                    | 662                   | E-W    | "                        |
| unnamed                | MM-11             | 4            | Chelan | 48-24-15          | 120-45-05         | 1.29                    | 1,974                 | E      | "                        |
| <u>Mt. Logan</u>       |                   |              |        |                   |                   |                         |                       |        |                          |
| unnamed                | ML-1              | 2            | Skagit | 48-36-32          | 120-58-20         | 0.24                    | 1,476                 | N-S    | Skagit R.                |
| unnamed                | ML-2              | 2            | Skagit | 48-36-00          | 120-56-25         | 3.35                    | 1,687                 | N      | Skagit R.                |
| unnamed                | ML-3              | 2            | Skagit | 48-35-37          | 120-56-35         | 1.34                    | 1,967                 | NE     | Skagit R.                |
| unnamed                | ML-4              | 2            | Skagit | 48-33-35          | 120-57-30         | 3.28                    | 1,583                 | NE     | Skagit R.                |
| unnamed                | ML-5              | 2            | Skagit | 48-32-47          | 120-57-40         | 2.51                    | 2,083                 | NW     | Skagit R.                |
| unnamed                | ML-6              | 2            | Chelan | 48-31-45          | 120-53-35         | 0.22                    | 1,961                 | NE     | Stehekin-<br>Columbia R. |



Table 18. Summary of lakes of the U.S.G.S. Mt. Spicard, Ross Dam and Skagit Peak 7.5 minute quadrangles.

| Quadrangle and Lake | Topog. Map No. | Park Unit | County  | North Latitude | West Longitude | Surface Area (ha) | Elevation (meters) | Aspect | Drainage  |
|---------------------|----------------|-----------|---------|----------------|----------------|-------------------|--------------------|--------|-----------|
| <u>Mt. Spicard</u>  |                |           |         |                |                |                   |                    |        |           |
| Silver              | Msp-1          | 1         | Whatcom | 48-59-05       | 121-13-45      | 65.14             | 2,063              | NE     | Skagit R. |
| unnamed             | Msp-2          | 1         | Whatcom | 48-53-10       | 121-11-07      | 0.55              | 1,400              | W      | Skagit R. |
| unnamed             | Msp-3          | 1         | Whatcom | 48-52-40       | 121-10-30      | 0.25              | 1,523              | E      | Skagit R. |
| <u>Ross Dam</u>     |                |           |         |                |                |                   |                    |        |           |
| Ross                | RD-1           | 3         | Whatcom | 48-34-58       | 121-04-02      | 4,672.0*          | 489                | N-S    | Skagit R. |
| Thunder             | RD-2           | 3         | Whatcom | 48-41-45       | 121-06-25      | 2.66              | 412                | N-S    | Skagit R. |
| Pyramid             | RD-3           | 3         | Whatcom | 48-41-40       | 121-07-20      | 0.17              | 802                | W      | Skagit R. |
| unnamed             | RD-4           | 3         | Whatcom | 48-41-50       | 121-03-00      | 0.15              | 1,702              | N      | Skagit R. |
| Panther Potholes    | RD-5 (1)       | 3         | Whatcom | 48-39-30       | 121-02-20      | 0.28              | 1,031              | SW     | Skagit R. |
| Panther Potholes    | RD-5 (2)       | 3         | Whatcom | 48-39-30       | 121-02-20      | 0.07              | 1,031              | SW     | Skagit R. |
| unnamed             | RD-6           | 2         | Skagit  | 48-37-35       | 121-00-30      | 0.11              | 1,900              | N      | Skagit R. |
| <u>Skagit Peak</u>  |                |           |         |                |                |                   |                    |        |           |
| no lakes            |                |           |         |                |                |                   |                    |        |           |

\* Total area of lake at full pool (148 acres in Canada at full pool)



Table 19. Summary of lakes of the U.S.G.S. Sonny Boy Lakes, Stehekin, and Sun Mountain 7.5 minute quadrangles.

| Quadrangle and Lake    | Topog. Map No. | Park Unit | County | North Latitude | West Longitude | Surface Area (ha) | Elevation (meters) | Aspect | Drainage           |
|------------------------|----------------|-----------|--------|----------------|----------------|-------------------|--------------------|--------|--------------------|
| <u>Sonny Boy Lakes</u> |                |           |        |                |                |                   |                    |        |                    |
| Hidden                 | SB-1           | 2         | Skagit | 48-29-45       | 121-11-00      | 24.33             | 1,749              | E      | Cascade R.         |
| unnamed                | SB-2           | 2         | Skagit | 48-29-52       | 121-11-00      | 0.09              | 1,796              | N-S    | Cascade R.         |
| unnamed                | SB-3 (1)       | 2         | Skagit | 48-29-45       | 121-10-45      | 0.07              | 1,748              | E      | Cascade R.         |
| unnamed                | SB-3 (2)       | 2         | Skagit | 48-29-45       | 121-10-45      | 0.09              | 1,743              | E      | Cascade R.         |
| unnamed                | SB-4           | 2         | Skagit | 48-29-37       | 121-10-45      | 0.04              | 1,766              | N-S    | Cascade R.         |
| <u>Stehekin</u>        |                |           |        |                |                |                   |                    |        |                    |
| Chelan                 | S-1            | 4         | Chelan | 48-18-45       | 120-40-00      | 915.0             | 335.5              | NW-SE  | Chelan-Columbia R. |
| <u>Sun Mountain</u>    |                |           |        |                |                |                   |                    |        |                    |
| Juanita                | SM-1           | 4         | Chelan | 48-19-15       | 120-35-20      | 0.24              | 2,033              | SW     | "                  |
| Triplet                | SM-2 (1)       | 4         | Chelan | 48-17-35       | 122-33-15      | 0.95              | 1,931              | N      | "                  |
| Triplet                | SM-2 (2)       | 4         | Chelan | 48-17-30       | 122-33-00      | 0.98              | 1,998              | NW     | "                  |



Table 20. Summary of lakes of the U.S.G.S. Pumpkin Mtn. 7.5 minute quadrangle.

| Quadrangle and Lake | Topog. Map No. | Park Unit | County  | North Latitude | West Longitude | Surface Area (ha) | Elevation (meters) | Aspect | Drainage  |
|---------------------|----------------|-----------|---------|----------------|----------------|-------------------|--------------------|--------|-----------|
| <u>Pumpkin Mtn.</u> |                |           |         |                |                |                   |                    |        |           |
| Noname              | PM-1           | 1         | Whatcom | 48-51-05       | 121-06-45      | 2.94              | 1,172              | N      | Skagit R. |
| unnamed             | PM-2           | 1         | Whatcom | 48-50-20       | 121-06-00      | 0.12              | 1,597              | S      | Skagit R. |
| Skymo               | PM-3           | 1         | Whatcom | 48-50-15       | 121-06-15      | 4.29              | 1,609              | NE     | Skagit R. |
| unnamed             | PM-4           | 1         | Whatcom | 48-50-00       | 121-06-25      | 0.31              | 1,610              | NE     | Skagit R. |
| unnamed             | PM-5 (1)       | 1         | Whatcom | 48-50-00       | 121-05-30      | 0.12              | 1,382              | NE     | Skagit R. |
| unnamed             | PM-5 (2)       | 1         | Whatcom | 48-50-00       | 121-05-30      | 0.22              | 1,387              | NE     | Skagit R. |
| unnamed             | PM-5 (3)       | 1         | Whatcom | 48-50-00       | 121-05-30      | 0.06              | 1,382              | NE     | Skagit R. |
| unnamed             | PM-5 (4)       | 1         | Whatcom | 48-50-00       | 121-05-30      | 0.06              | 1,397              | NE     | Skagit R. |
| unnamed             | PM-5 (5)       | 1         | Whatcom | 48-50-00       | 121-05-30      | 0.16              | 1,397              | NE     | Skagit R. |
| unnamed             | PM-5 (6)       | 1         | Whatcom | 48-50-00       | 121-05-30      | 0.06              | 1,380              | NE     | Skagit R. |
| unnamed             | PM-6           | 3         | Whatcom | 48-48-00       | 121-07-30      | 0.46              | 502                | NW-SE  | Skagit R. |
| unnamed             | PM-7 (1)       | 3         | Whatcom | 48-47-35       | 121-05-50      | 2.91              | 493                | NW-SE  | Skagit R. |
| unnamed             | PM-7 (2)       | 3         | Whatcom | 48-47-35       | 121-05-50      | 0.08              | 494                | NW-SE  | Skagit R. |
| unnamed             | PM-7 (3)       | 3         | Whatcom | 48-47-35       | 121-05-50      | 0.20              | 493                | NW-SE  | Skagit R. |
| unnamed             | PM-8 (1)       | 3         | Whatcom | 48-47-30       | 121-05-40      | 0.86              | 491                | NW-SE  | Skagit R. |
| unnamed             | PM-8 (2)       | 3         | Whatcom | 48-47-20       | 121-05-30      | 0.12              | 491                | NW-SE  | Skagit R. |
| unnamed             | PM-8 (3)       | 3         | Whatcom | 48-47-20       | 121-05-30      | 0.12              | 491                | NW-SE  | Skagit R. |
| unnamed             | PM-8 (4)       | 3         | Whatcom | 48-47-15       | 121-05-30      | 0.16              | 490                | NW-SE  | Skagit R. |
| unnamed             | PM-9 (1)       | 3         | Whatcom | 48-47-20       | 121-05-00      | 0.29              | 492                | NW-SE  | Skagit R. |
| unnamed             | PM-9 (2)       | 3         | Whatcom | 48-47-20       | 121-05-00      | 0.10              | 491                | NW-SE  | Skagit R. |
| unnamed             | PM-10          | 3         | Whatcom | 48-47-15       | 121-05-10      | 0.67              | 491                | NW-SE  | Skagit R. |
| unnamed             | PM-11          | 3         | Whatcom | 48-46-55       | 121-05-00      | 0.37              | 491                | NW-SE  | Skagit R. |
| Sourdough           | PM-12          | 1         | Whatcom | 48-45-30       | 121-07-25      | 11.08             | 1,410              | E      | Skagit R. |
| unnamed             | PM-13          | 1         | Whatcom | 48-46-22       | 121-06-45      | 0.08              | 1,683              | NW     | Skagit R. |



Table 21. Summary of lakes of the U.S.G.S. Mt. Prophet 7.5 minute quadrangle.

| Quadrangle and<br>Lake | Topog.<br>Map No. | Park<br>Unit | County  | North<br>Latitude | West<br>Longitude | Surface      |                       | Aspect | Drainage  |
|------------------------|-------------------|--------------|---------|-------------------|-------------------|--------------|-----------------------|--------|-----------|
|                        |                   |              |         |                   |                   | Area<br>(ha) | Elevation<br>(meters) |        |           |
| Mt. Prophet            |                   |              |         |                   |                   |              |                       |        |           |
| unnamed (W)            | MP-1 (1)          | 1            | Whatcom | 48-51-00          | 121-07-45         | 0.06         | 1,850                 | NE     | Skagit R. |
| unnamed (S)            | MP-1 (2)          | 1            | Whatcom | 48-51-00          | 121-07-45         | 0.26         | 1,839                 | NE     | Skagit R. |
| unnamed (N)            | MP-1 (3)          | 1            | Whatcom | 48-51-10          | 121-07-45         | 0.20         | 1,775                 | E      | Skagit R. |
| unnamed                | MP-2              | 1            | Whatcom | 48-50-00          | 121-08-45         | 2.06         | 1,669                 | SW     | Skagit R. |
| unnamed (E)            | MP-3 (1)          | 3            | Whatcom | 48-48-30          | 121-09-45         | 0.22         | 552                   | E-W    | Skagit R. |
| unnamed (ME)           | MP-3 (2)          | 3            | Whatcom | 48-48-30          | 121-09-45         | 0.32         | 555                   | E-W    | Skagit R. |
| unnamed (MW)           | MP-3 (3)          | 3            | Whatcom | 48-48-30          | 121-09-45         | 0.08         | 558                   | E-W    | Skagit R. |
| unnamed (W)            | MP-3 (4)          | 3            | Whatcom | 48-48-30          | 121-09-50         | 0.20         | 560                   | E-W    | Skagit R. |
| unnamed                | MP-4              | 3            | Whatcom | 48-48-10          | 121-09-53         | 0.81         | 564                   | E-W    | Skagit R. |
| unnamed                | MP-5              | 3            | Whatcom | 48-48-15          | 121-08-50         | 0.91         | 515                   | E-W    | Skagit R. |
| unnamed                | MP-6 (1)          | 3            | Whatcom | 48-48-15          | 121-07-45         | 0.04         | 508                   | E-W    | Skagit R. |
| unnamed                | MP-6 (2)          | 3            | Whatcom | 48-48-15          | 121-07-45         | 0.04         | 509                   | E-W    | Skagit R. |
| unnamed                | MP-6 (3)          | 3            | Whatcom | 48-48-15          | 121-07-45         | 0.12         | 509                   | E-W    | Skagit R. |
| unnamed                | MP-6 (4)          | 3            | Whatcom | 48-48-15          | 121-07-45         | 0.07         | 509                   | E-W    | Skagit R. |
| unnamed                | MP-6 (5)          | 3            | Whatcom | 48-48-15          | 121-08-00         | 0.16         | 511                   | E-W    | Skagit R. |
| unnamed                | MP-6 (6)          | 3            | Whatcom | 48-48-15          | 121-08-00         | 0.11         | 511                   | E-W    | Skagit R. |
| unnamed                | MP-7              | 3            | Whatcom | 48-48-00          | 121-07-50         | 0.06         | 506                   | N      | Skagit R. |
| unnamed                | MP-8              | 1            | Whatcom | 48-47-15          | 121-11-45         | 0.88         | 1,566                 | SE     | Skagit R. |
| Azure                  | MP-9              | 1            | Whatcom | 48-46-07          | 121-15-00         | 35.60        | 1,237                 | E      | Skagit R. |
| unnamed                | MP-10             | 1            | Whatcom | 48-45-15          | 121-08-00         | 0.11         | 1,804                 | SE     | Skagit R. |









