

TABLE 2.7.2-6

**VEGETATION ACREAGE BY LANDOWNER - PERMIT AREA
STARK COUNTY, NORTH DAKOTA, 2006-2007**

| SERIES | MAP UNIT ¹ | TYPE | Landowner | | | |
|------------|-----------------------|---|-------------------|--------------------|------------------------------|--------------------|
| | | | Buckman, John F. | | Emmil, Leocadia Family Trust | |
| | | | Tract S-1399815-B | | Tract S-1399834-A | |
| | | | ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE |
| 100 | 100 | NATIVE GRASSLAND | | | | |
| | SL-WL-Sb | Saline Lowland-Wet Land- Subirrigated (see 501) | | | | |
| | LyOv-Sb-WL | Loamy Overflow-Subirrigated-Wet Land (see 502) | | | | |
| | WL-WM | Wet Land-Wet Meadow (see 502) | | | | |
| | SwCy | Shallow Clayey | | | | |
| | SwLy | Shallow Loamy | | | | |
| | SwSy | Shallow Sandy | | | | |
| | Cp | Claypan | | | | |
| | TCp | Thin Claypan | | | | |
| | Sy | Sandy | | | | |
| | Cy | Clayey | | | | |
| | Ly | Loamy | | | | |
| | LyOv | Loamy Overflow | | | | |
| | LyT | Loamy Terrace | | | | |
| | LyT (occ. CyT) | Loamy Terrace (occasionally Clayey Terrace) | | | | |
| | | SUBTOTAL 100 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 200 | TAME PASTURELAND | | | | |
| | 201 | Tame Pasture | 0.05 | 0.81 | | |
| | | SUBTOTAL 200 | 0.05 | 0.81 | 0.00 | 0.00 |
| 300 | 300 | WOODLAND | | | | |
| | 301 | Riparian Woodland | | | 0.05 | 0.11 |
| | 302 | Deciduous Tree Woodland | | | | |
| | 303 | Tall Shrub Woodland | | | | |
| | 304 | Low Shrub Woodland | 0.02 | 0.27 | 1.70 | 3.85 |
| | | SUBTOTAL 300 | 0.02 | 0.27 | 1.75 | 3.96 |
| 400 | 400 | SHELTERBELTS | | | | |
| | 401 | Shelterbelt | 1.50 | 26.14 | 0.47 | 1.07 |
| | | SUBTOTAL 400 | 1.50 | 26.14 | 0.47 | 1.07 |
| 500 | 500 | WETLANDS | | | | |
| | 501 | Saline Lowland (herbaceous) | | | | |
| | 502 | Herbaceous Wetland | | | | |
| | 503 | Scrub-Shrub Wetland | | | | |
| | 504 | Forested Wetland | | | 0.01 | 0.03 |
| | | SUBTOTAL 500 | 0.00 | 0.00 | 0.01 | 0.03 |
| 600 | 600 | CROPLAND | | | | |
| | 611 | Cultivated (annual crops) | 0.60 | 10.39 | | |
| | 612 | Grassed Waterway | | | | |
| | 621 | Mixed Hay | | | | |
| | 622 | Grass Hay | | | | |
| | 623 | Alfalfa Hay | | | | |
| | 631 | CRP (Conservation Reserve Program) | | | 32.81 | 74.39 |
| | | SUBTOTAL 600 | 0.60 | 10.39 | 32.81 | 74.39 |
| 700 | 700 | MISCELLANEOUS/DISTURBED | | | | |
| | 701 | Farm Yard/Residential | 2.60 | 45.28 | | |
| | 702 | Road/ROW | 0.98 | 17.10 | 9.06 | 20.55 |
| | 703 | Industrial | | | | |
| | 704 | Historic Mine | | | | |
| | 705 | Dump | | | | |
| | 706 | Developed Water Resources | | | | |
| | | SUBTOTAL 700 | 3.58 | 62.39 | 9.06 | 20.55 |
| | | TOTAL | 5.74 | 100.00 | 44.10 | 100.00 |

¹Vegetation mapping units are delineated on Exhibit 2.7.2-1.

TABLE 2.7.2-6

**VEGETATION ACREAGE BY LANDOWNER - PERMIT AREA
STARK COUNTY, NORTH DAKOTA, 2006-2007**

| SERIES | MAP UNIT ¹ | TYPE | Landowner | | | |
|------------|-----------------------|---|-------------------|--------------------|--------------------|--------------------|
| | | | Klein, Larry R. | | Kudrna, Kenneth D. | |
| | | | Tract S-1399833-A | | Tract S-1399820-B | |
| | | | ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE |
| 100 | 100 | NATIVE GRASSLAND | | | | |
| | SL-WL-Sb | Saline Lowland-Wet Land- Subirrigated (see 501) | | | | |
| | LyOv-Sb-WL | Loamy Overflow-Subirrigated-Wet Land (see 502) | | | | |
| | WL-WM | Wet Land-Wet Meadow (see 502) | | | | |
| | SwCy | Shallow Clayey | | | | |
| | SwLy | Shallow Loamy | | | | |
| | SwSy | Shallow Sandy | | | | |
| | Cp | Claypan | | | | |
| | TCp | Thin Claypan | | | | |
| | Sy | Sandy | | | | |
| | Cy | Clayey | | | | |
| | Ly | Loamy | | | | |
| | LyOv | Loamy Overflow | | | | |
| | LyT | Loamy Terrace | | | | |
| | LyT (occ. CyT) | Loamy Terrace (occasionally Clayey Terrace) | | | | |
| | | SUBTOTAL 100 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 | 200 | TAME PASTURELAND | | | | |
| | 201 | Tame Pasture | | | 0.06 | 1.25 |
| | | SUBTOTAL 200 | 0.00 | 0.00 | 0.06 | 1.25 |
| 300 | 300 | WOODLAND | | | | |
| | 301 | Riparian Woodland | | | | |
| | 302 | Deciduous Tree Woodland | | | | |
| | 303 | Tall Shrub Woodland | | | | |
| | 304 | Low Shrub Woodland | | | | |
| | | SUBTOTAL 300 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 | 400 | SHELTERBELTS | | | | |
| | 401 | Shelterbelt | | | | |
| | | SUBTOTAL 400 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500 | 500 | WETLANDS | | | | |
| | 501 | Saline Lowland (herbaceous) | | | | |
| | 502 | Herbaceous Wetland | | | | |
| | 503 | Scrub-Shrub Wetland | | | | |
| | 504 | Forested Wetland | | | | |
| | | SUBTOTAL 500 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600 | 600 | CROPLAND | | | | |
| | 611 | Cultivated (annual crops) | | | | |
| | 612 | Grassed Waterway | | | 0.12 | 2.58 |
| | 621 | Mixed Hay | | | | |
| | 622 | Grass Hay | | | | |
| | 623 | Alfalfa Hay | | | | |
| | 631 | CRP (Conservation Reserve Program) | 1.87 | 83.47 | 4.49 | 93.00 |
| | | SUBTOTAL 600 | 1.87 | 83.47 | 4.62 | 95.58 |
| 700 | 700 | MISCELLANEOUS/DISTURBED | | | | |
| | 701 | Farm Yard/Residential | | | | |
| | 702 | Road/ROW | 0.37 | 16.53 | 0.15 | 3.17 |
| | 703 | Industrial | | | | |
| | 704 | Historic Mine | | | | |
| | 705 | Dump | | | | |
| | 706 | Developed Water Resources | | | | |
| | | SUBTOTAL 700 | 0.37 | 16.53 | 0.15 | 3.17 |
| | | TOTAL | 2.24 | 100.00 | 4.83 | 100.00 |

¹Vegetation mapping units are delineated on Exhibit 2.7.2-1.

TABLE 2.7.2-6

**VEGETATION ACREAGE BY LANDOWNER - PERMIT AREA
STARK COUNTY, NORTH DAKOTA, 2006-2007**

| SERIES | MAP UNIT ¹ | TYPE | Landowner | | | |
|------------|-----------------------|---|---|--------------------|---------------------------------------|--------------------|
| | | | Kuylen, Patrick 80%; Kuylen, Katherine R. 20% | | Kuylen, P. and K. 71%; Kuylen, P. 29% | |
| | | | Tract S-1399820-A and S-1399827-A | | Tract S-1399828-A | |
| | | | ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE |
| 100 | 100 | NATIVE GRASSLAND | | | | |
| | SL-WL-Sb | Saline Lowland-Wet Land- Subirrigated (see 501) | | | | |
| | LyOv-Sb-WL | Loamy Overflow-Subirrigated-Wet Land (see 502) | 0.45 | 0.07 | 0.11 | 0.11 |
| | WL-WM | Wet Land-Wet Meadow (see 502) | | | 6.49 | 6.24 |
| | SwCy | Shallow Clayey | 0.04 | 0.01 | | |
| | SwLy | Shallow Loamy | 17.98 | 2.75 | 0.67 | 0.64 |
| | SwSy | Shallow Sandy | 3.14 | 0.48 | | |
| | Cp | Claypan | 0.06 | 0.01 | | |
| | TCp | Thin Claypan | 19.10 | 2.92 | 20.92 | 20.11 |
| | Sy | Sandy | 11.15 | 1.70 | | |
| | Cy | Clayey | 36.97 | 5.65 | 5.65 | 5.43 |
| | Ly | Loamy | 1.76 | 0.27 | 0.67 | 0.64 |
| | LyOv | Loamy Overflow | 4.49 | 0.69 | | |
| | LyT | Loamy Terrace | 62.18 | 9.50 | 21.88 | 21.04 |
| | LyT (occ. CyT) | Loamy Terrace (occasionally Clayey Terrace) | | | | |
| | | SUBTOTAL 100 | 157.31 | 24.02 | 56.38 | 54.21 |
| 200 | 200 | TAME PASTURELAND | | | | |
| | 201 | Tame Pasture | 21.21 | 3.24 | 4.11 | 3.95 |
| | | SUBTOTAL 200 | 21.21 | 3.24 | 4.11 | 3.95 |
| 300 | 300 | WOODLAND | | | | |
| | 301 | Riparian Woodland | 78.14 | 11.93 | 6.84 | 6.58 |
| | 302 | Deciduous Tree Woodland | 0.11 | 0.02 | | |
| | 303 | Tall Shrub Woodland | 0.50 | 0.08 | 0.21 | 0.20 |
| | 304 | Low Shrub Woodland | 25.40 | 3.88 | 4.99 | 4.80 |
| | | SUBTOTAL 300 | 104.15 | 15.91 | 12.04 | 11.58 |
| 400 | 400 | SHELTERBELTS | | | | |
| | 401 | Shelterbelt | 1.52 | 0.23 | | |
| | | SUBTOTAL 400 | 1.52 | 0.23 | 0.00 | 0.00 |
| 500 | 500 | WETLANDS | | | | |
| | 501 | Saline Lowland (herbaceous) | | | | |
| | 502 | Herbaceous Wetland | 7.92 | 1.21 | 7.85 | 7.55 |
| | 503 | Scrub-Shrub Wetland | 0.73 | 0.11 | | |
| | 504 | Forested Wetland | 0.07 | 0.01 | | |
| | | SUBTOTAL 500 | 8.72 | 1.33 | 7.85 | 7.55 |
| 600 | 600 | CROPLAND | | | | |
| | 611 | Cultivated (annual crops) | 249.11 | 38.04 | 21.56 | 20.73 |
| | 612 | Grassed Waterway | 0.13 | 0.02 | | |
| | 621 | Mixed Hay | | | | |
| | 622 | Grass Hay | 6.06 | 0.93 | 0.63 | 0.60 |
| | 623 | Alfalfa Hay | | | | |
| | 631 | CRP (Conservation Reserve Program) | 62.54 | 9.55 | | |
| | | SUBTOTAL 600 | 317.84 | 48.54 | 22.19 | 21.33 |
| 700 | 700 | MISCELLANEOUS/DISTURBED | | | | |
| | 701 | Farm Yard/Residential | 16.27 | 2.48 | | |
| | 702 | Road/ROW | 27.15 | 4.15 | 0.06 | 0.05 |
| | 703 | Industrial | | | | |
| | 704 | Historic Mine | 0.19 | 0.03 | 0.59 | 0.57 |
| | 705 | Dump | | | 0.40 | 0.38 |
| | 706 | Developed Water Resources | 0.41 | 0.06 | 0.39 | 0.38 |
| | | SUBTOTAL 700 | 44.02 | 6.72 | 1.44 | 1.38 |
| | | TOTAL | 654.78 | 100.00 | 104.01 | 100.00 |

¹Vegetation mapping units are delineated on Exhibit 2.7.2-1.

TABLE 2.7.2-6

**VEGETATION ACREAGE BY LANDOWNER - PERMIT AREA
STARK COUNTY, NORTH DAKOTA, 2006-2007**

| SERIES | MAP UNIT ¹ | TYPE | Landowner | | | |
|------------|-----------------------|---|-------------------------------|--------------------|--|--------------------|
| | | | Kuylen, Patrick and Katherine | | Kuylen, Robert F. and Brenda K. | |
| | | | Tract S-1399828-B | | Tract S-1399816-B, S-1399817-A and S-1399821-A | |
| | | | ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE |
| 100 | 100 | NATIVE GRASSLAND | | | | |
| | SL-WL-Sb | Saline Lowland-Wet Land- Subirrigated (see 501) | | | 4.88 | 0.44 |
| | LyOv-Sb-WL | Loamy Overflow-Subirrigated-Wet Land (see 502) | | | | |
| | WL-WM | Wet Land-Wet Meadow (see 502) | | | 0.18 | 0.02 |
| | SwCy | Shallow Clayey | | | 25.09 | 2.24 |
| | SwLy | Shallow Loamy | 0.74 | 1.87 | 36.98 | 3.30 |
| | SwSy | Shallow Sandy | | | 2.75 | 0.25 |
| | Cp | Claypan | | | 20.46 | 1.83 |
| | TCp | Thin Claypan | | | 173.31 | 15.48 |
| | Sy | Sandy | | | | |
| | Cy | Clayey | | | 59.41 | 5.31 |
| | Ly | Loamy | 0.10 | 0.26 | 8.55 | 0.76 |
| | LyOv | Loamy Overflow | | | | |
| | LyT | Loamy Terrace | | | | |
| | LyT (occ. CyT) | Loamy Terrace (occasionally Clayey Terrace) | | | | |
| | | SUBTOTAL 100 | 0.85 | 2.14 | 331.61 | 29.61 |
| 200 | 200 | TAME PASTURELAND | | | | |
| | 201 | Tame Pasture | 8.19 | 20.66 | 92.29 | 8.24 |
| | | SUBTOTAL 200 | 8.19 | 20.66 | 92.29 | 8.24 |
| 300 | 300 | WOODLAND | | | | |
| | 301 | Riparian Woodland | | | | |
| | 302 | Deciduous Tree Woodland | | | | |
| | 303 | Tall Shrub Woodland | | | 0.01 | 0.00 |
| | 304 | Low Shrub Woodland | | | 1.60 | 0.14 |
| | | SUBTOTAL 300 | 0.00 | 0.00 | 1.61 | 0.14 |
| 400 | 400 | SHELTERBELTS | | | | |
| | 401 | Shelterbelt | | | 8.17 | 0.73 |
| | | SUBTOTAL 400 | 0.00 | 0.00 | 8.17 | 0.73 |
| 500 | 500 | WETLANDS | | | | |
| | 501 | Saline Lowland (herbaceous) | | | | |
| | 502 | Herbaceous Wetland | | | 5.01 | 0.45 |
| | 503 | Scrub-Shrub Wetland | | | | |
| | 504 | Forested Wetland | | | | |
| | | SUBTOTAL 500 | 0.00 | 0.00 | 5.01 | 0.45 |
| 600 | 600 | CROPLAND | | | | |
| | 611 | Cultivated (annual crops) | 28.39 | 71.65 | 589.58 | 52.65 |
| | 612 | Grassed Waterway | | | 8.67 | 0.77 |
| | 621 | Mixed Hay | | | | |
| | 622 | Grass Hay | | | 13.31 | 1.19 |
| | 623 | Alfalfa Hay | | | 18.12 | 1.62 |
| | 631 | CRP (Conservation Reserve Program) | 0.01 | 0.02 | 0.07 | 0.01 |
| | | SUBTOTAL 600 | 28.40 | 71.67 | 629.76 | 56.23 |
| 700 | 700 | MISCELLANEOUS/DISTURBED | | | | |
| | 701 | Farm Yard/Residential | | | 22.24 | 1.99 |
| | 702 | Road/ROW | 2.19 | 5.53 | 26.64 | 2.38 |
| | 703 | Industrial | | | 0.15 | 0.01 |
| | 704 | Historic Mine | | | 1.10 | 0.10 |
| | 705 | Dump | | | | |
| | 706 | Developed Water Resources | | | 1.31 | 0.12 |
| | | SUBTOTAL 700 | 2.19 | 5.53 | 51.44 | 4.59 |
| | | TOTAL | 39.63 | 100.00 | 1,119.88 | 100.00 |

¹Vegetation mapping units are delineated on Exhibit 2.7.2-1.

TABLE 2.7.2-6

**VEGETATION ACREAGE BY LANDOWNER - PERMIT AREA
STARK COUNTY, NORTH DAKOTA, 2006-2007**

| SERIES | MAP UNIT ¹ | TYPE | Landowner | | | |
|------------|-----------------------|---|-----------------------------|--------------------|-----------------------------------|--------------------|
| | | | Meduna, Gary L. and Barbara | | Pavel, Robert B. | |
| | | | Tract S-1399809-F | | Tract S-1399810-C and S-1399814-B | |
| | | | ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE |
| 100 | 100 | NATIVE GRASSLAND | | | | |
| | SL-WL-Sb | Saline Lowland-Wet Land- Subirrigated (see 501) | | | | |
| | LyOv-Sb-WL | Loamy Overflow-Subirrigated-Wet Land (see 502) | | | | |
| | WL-WM | Wet Land-Wet Meadow (see 502) | | | | |
| | SwCy | Shallow Clayey | 7.88 | 18.33 | | |
| | SwLy | Shallow Loamy | | | | |
| | SwSy | Shallow Sandy | | | | |
| | Cp | Claypan | | | | |
| | TCp | Thin Claypan | 0.01 | 0.03 | | |
| | Sy | Sandy | | | | |
| | Cy | Clayey | | | | |
| | Ly | Loamy | | | | |
| | LyOv | Loamy Overflow | | | | |
| | LyT | Loamy Terrace | | | | |
| | LyT (occ. CyT) | Loamy Terrace (occasionally Clayey Terrace) | | | | |
| | | SUBTOTAL 100 | 7.89 | 18.36 | 0.00 | 0.00 |
| 200 | 200 | TAME PASTURELAND | | | | |
| | 201 | Tame Pasture | 1.37 | 3.18 | 1.96 | 2.27 |
| | | SUBTOTAL 200 | 1.37 | 3.18 | 1.96 | 2.27 |
| 300 | 300 | WOODLAND | | | | |
| | 301 | Riparian Woodland | | | | |
| | 302 | Deciduous Tree Woodland | | | | |
| | 303 | Tall Shrub Woodland | | | | |
| | 304 | Low Shrub Woodland | 0.91 | 2.12 | | |
| | | SUBTOTAL 300 | 0.91 | 2.12 | 0.00 | 0.00 |
| 400 | 400 | SHELTERBELTS | | | | |
| | 401 | Shelterbelt | | | 1.20 | 1.39 |
| | | SUBTOTAL 400 | 0.00 | 0.00 | 1.20 | 1.39 |
| 500 | 500 | WETLANDS | | | | |
| | 501 | Saline Lowland (herbaceous) | 3.37 | 7.84 | | |
| | 502 | Herbaceous Wetland | 0.05 | 0.13 | | |
| | 503 | Scrub-Shrub Wetland | | | | |
| | 504 | Forested Wetland | | | | |
| | | SUBTOTAL 500 | 3.42 | 7.96 | 0.00 | 0.00 |
| 600 | 600 | CROPLAND | | | | |
| | 611 | Cultivated (annual crops) | 29.37 | 68.35 | 71.46 | 82.79 |
| | 612 | Grassed Waterway | | | | |
| | 621 | Mixed Hay | | | | |
| | 622 | Grass Hay | | | 0.13 | 0.15 |
| | 623 | Alfalfa Hay | | | | |
| | 631 | CRP (Conservation Reserve Program) | | | | |
| | | SUBTOTAL 600 | 29.37 | 68.35 | 71.59 | 82.94 |
| 700 | 700 | MISCELLANEOUS/DISTURBED | | | | |
| | 701 | Farm Yard/Residential | | | 3.24 | 3.75 |
| | 702 | Road/ROW | | | 8.33 | 9.65 |
| | 703 | Industrial | | | | |
| | 704 | Historic Mine | 0.01 | 0.03 | | |
| | 705 | Dump | | | | |
| | 706 | Developed Water Resources | | | | |
| | | SUBTOTAL 700 | 0.01 | 0.03 | 11.57 | 13.40 |
| | | TOTAL | 42.97 | 100.00 | 86.32 | 100.00 |

¹Vegetation mapping units are delineated on Exhibit 2.7.2-1.

TABLE 2.7.2-6

**VEGETATION ACREAGE BY LANDOWNER - PERMIT AREA
STARK COUNTY, NORTH DAKOTA, 2006-2007**

| SERIES | MAP UNIT ¹ | TYPE | Landowner | | | |
|------------|-----------------------|---|--|--------------------|-----------------------------------|--------------------|
| | | | Perdaems, James D. and Rosella J. | | Perdaems, Jerry F. and Sandra M. | |
| | | | Tract S-1399814-A, S-1399814-C and S-1399822-A | | Tract S-1399822-B and S-1399822-C | |
| | | | ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE |
| 100 | 100 | NATIVE GRASSLAND | | | | |
| | SL-WL-Sb | Saline Lowland-Wet Land- Subirrigated (see 501) | | | | |
| | LyOv-Sb-WL | Loamy Overflow-Subirrigated-Wet Land (see 502) | 0.13 | 0.01 | | |
| | WL-WM | Wet Land-Wet Meadow (see 502) | | | | |
| | SwCy | Shallow Clayey | | | | |
| | SwLy | Shallow Loamy | 1.74 | 0.17 | | |
| | SwSy | Shallow Sandy | | | | |
| | Cp | Claypan | | | | |
| | TCp | Thin Claypan | | | | |
| | Sy | Sandy | 2.31 | 0.22 | | |
| | Cy | Clayey | | | | |
| | Ly | Loamy | | | 0.03 | 0.01 |
| | LyOv | Loamy Overflow | | | | |
| | LyT | Loamy Terrace | 2.39 | 0.23 | | |
| | LyT (occ. CyT) | Loamy Terrace (occasionally Clayey Terrace) | 9.58 | 0.93 | | |
| | | SUBTOTAL 100 | 16.16 | 1.56 | 0.03 | 0.01 |
| 200 | 200 | TAME PASTURELAND | | | | |
| | 201 | Tame Pasture | 95.92 | 9.27 | 17.19 | 5.41 |
| | | SUBTOTAL 200 | 95.92 | 9.27 | 17.19 | 5.41 |
| 300 | 300 | WOODLAND | | | | |
| | 301 | Riparian Woodland | 85.99 | 8.31 | 84.82 | 26.67 |
| | 302 | Deciduous Tree Woodland | | | | |
| | 303 | Tall Shrub Woodland | | | | |
| | 304 | Low Shrub Woodland | 0.58 | 0.06 | 0.44 | 0.14 |
| | | SUBTOTAL 300 | 86.57 | 8.37 | 85.26 | 26.81 |
| 400 | 400 | SHELTERBELTS | | | | |
| | 401 | Shelterbelt | 5.80 | 0.56 | 2.87 | 0.90 |
| | | SUBTOTAL 400 | 5.80 | 0.56 | 2.87 | 0.90 |
| 500 | 500 | WETLANDS | | | | |
| | 501 | Saline Lowland (herbaceous) | | | | |
| | 502 | Herbaceous Wetland | 13.72 | 1.33 | 4.67 | 1.47 |
| | 503 | Scrub-Shrub Wetland | | | | |
| | 504 | Forested Wetland | | | | |
| | | SUBTOTAL 500 | 13.72 | 1.33 | 4.67 | 1.47 |
| 600 | 600 | CROPLAND | | | | |
| | 611 | Cultivated (annual crops) | 753.48 | 72.81 | 138.74 | 43.63 |
| | 612 | Grassed Waterway | 1.86 | 0.18 | | |
| | 621 | Mixed Hay | | | 21.26 | 6.69 |
| | 622 | Grass Hay | | | 0.03 | 0.01 |
| | 623 | Alfalfa Hay | 0.43 | 0.04 | 40.03 | 12.59 |
| | 631 | CRP (Conservation Reserve Program) | | | | |
| | | SUBTOTAL 600 | 755.78 | 73.03 | 200.05 | 62.91 |
| 700 | 700 | MISCELLANEOUS/DISTURBED | | | | |
| | 701 | Farm Yard/Residential | 18.55 | 1.79 | 2.46 | 0.77 |
| | 702 | Road/ROW | 39.45 | 3.81 | 5.26 | 1.65 |
| | 703 | Industrial | 0.19 | 0.02 | | |
| | 704 | Historic Mine | 0.49 | 0.05 | | |
| | 705 | Dump | 0.66 | 0.06 | | |
| | 706 | Developed Water Resources | 1.60 | 0.15 | 0.20 | 0.06 |
| | | SUBTOTAL 700 | 60.94 | 5.89 | 7.92 | 2.49 |
| | | TOTAL | 1,034.88 | 100.00 | 317.99 | 100.00 |

¹Vegetation mapping units are delineated on Exhibit 2.7.2-1.

TABLE 2.7.2-6

**VEGETATION ACREAGE BY LANDOWNER - PERMIT AREA
STARK COUNTY, NORTH DAKOTA, 2006-2007**

| SERIES | MAP UNIT ¹ | TYPE | Landowner | | | |
|------------|-----------------------|---|--------------------------------------|-----------------------|-------------------|-----------------------|
| | | | Peters, Mary Louise et. al. | | Wagner, Glen R. | |
| | | | Tract S-1399815-A and S-1399816-A | | Tract S-1399829-A | |
| | | | ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE |
| 100 | 100 | NATIVE GRASSLAND | | | | |
| | SL-WL-Sb | Saline Lowland-Wet Land- Subirrigated (see 501) | | | | |
| | LyOv-Sb- WL | Loamy Overflow-Subirrigated-Wet Land (see 502) | | | | |
| | WL-WM | Wet Land-Wet Meadow (see 502) | 0.33 | 0.03 | | |
| | SwCy | Shallow Clayey | 7.29 | 0.70 | | |
| | SwLy | Shallow Loamy | 3.47 | 0.33 | | |
| | SwSy | Shallow Sandy | | | | |
| | Cp | Claypan | | | | |
| | TCp | Thin Claypan | 1.96 | 0.19 | | |
| | Sy | Sandy | | | | |
| | Cy | Clayey | 3.00 | 0.29 | | |
| | Ly | Loamy | 0.17 | 0.02 | | |
| | LyOv | Loamy Overflow | | | | |
| | LyT | Loamy Terrace | | | | |
| | LyT (occ. CyT) | Loamy Terrace (occasionally Clayey Terrace) | | | | |
| | | SUBTOTAL 100 | 16.22 | 1.55 | 0.00 | 0.00 |
| 200 | 200 | TAME PASTURELAND | | | | |
| | 201 | Tame Pasture | 32.36 | 3.10 | 0.08 | 53.91 |
| | | SUBTOTAL 200 | 32.36 | 3.10 | 0.08 | 53.91 |
| 300 | 300 | WOODLAND | | | | |
| | 301 | Riparian Woodland | | | | |
| | 302 | Deciduous Tree Woodland | | | | |
| | 303 | Tall Shrub Woodland | 0.25 | 0.02 | | |
| | 304 | Low Shrub Woodland | 14.60 | 1.40 | | |
| | | SUBTOTAL 300 | 14.85 | 1.42 | 0.00 | 0.00 |
| 400 | 400 | SHELTERBELTS | | | | |
| | 401 | Shelterbelt | 4.00 | 0.38 | | |
| | | SUBTOTAL 400 | 4.00 | 0.38 | 0.00 | 0.00 |
| 500 | 500 | WETLANDS | | | | |
| | 501 | Saline Lowland (herbaceous) | 0.17 | 0.02 | | |
| | 502 | Herbaceous Wetland | 6.97 | 0.67 | | |
| | 503 | Scrub-Shrub Wetland | 0.14 | 0.01 | | |
| | 504 | Forested Wetland | 0.07 | 0.01 | | |
| | | SUBTOTAL 500 | 7.35 | 0.70 | 0.00 | 0.00 |
| 600 | 600 | CROPLAND | | | | |
| | 611 | Cultivated (annual crops) | 936.12 | 89.73 | | |
| | 612 | Grassed Waterway | 3.34 | 0.32 | | |
| | 621 | Mixed Hay | | | | |
| | 622 | Grass Hay | 9.64 | 0.92 | | |
| | 623 | Alfalfa Hay | | | | |
| | 631 | CRP (Conservation Reserve Program) | | | 0.07 | 46.09 |
| | | SUBTOTAL 600 | 949.10 | 90.97 | 0.07 | 46.09 |
| 700 | 700 | MISCELLANEOUS/DISTURBED | | | | |
| | 701 | Farm Yard/Residential | 0.70 | 0.07 | | |
| | 702 | Road/ROW | 14.67 | 1.41 | | |
| | 703 | Industrial | | | | |
| | 704 | Historic Mine | 2.78 | 0.27 | | |
| | 705 | Dump | | | | |
| | 706 | Developed Water Resources | 1.29 | 0.12 | | |
| | | SUBTOTAL 700 | 19.44 | 1.86 | 0.00 | 0.00 |
| | | TOTAL | 1,043.30 | 100.00 | 0.16 | 100.00 |

¹Vegetation mapping units are delineated on Exhibit 2.7.2-1.

TABLE 2.7.2-6

**VEGETATION ACREAGE BY LANDOWNER - PERMIT AREA
STARK COUNTY, NORTH DAKOTA, 2006-2007**

| SERIES | MAP UNIT ¹ | TYPE | Landowner | | Total | |
|------------|-----------------------|---|------------------------|---------------|--------------------|--------------------|
| | | | Wagner, James and Lisa | | ACREAGE | PERCENT OF ACREAGE |
| | | | Tract S-13998029-G | | | |
| ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE | ACREAGE | PERCENT OF ACREAGE | |
| 100 | 100 | NATIVE GRASSLAND | | | | |
| | SL-WL-Sb | Saline Lowland-Wet Land- Subirrigated (see 501) | 5.20 | 6.46 | 10.08 | 0.22 |
| | LyOv-Sb-WL | Loamy Overflow-Subirrigated-Wet Land (see 502) | | | 0.69 | 0.02 |
| | WL-WM | Wet Land-Wet Meadow (see 502) | 0.28 | 0.35 | 7.28 | 0.16 |
| | SwCy | Shallow Clayey | 3.20 | 3.97 | 43.50 | 0.95 |
| | SwLy | Shallow Loamy | | | 61.58 | 1.34 |
| | SwSy | Shallow Sandy | | | 5.89 | 0.13 |
| | Cp | Claypan | 3.11 | 3.86 | 23.63 | 0.52 |
| | TCp | Thin Claypan | | | 215.30 | 4.70 |
| | Sy | Sandy | | | 13.46 | 0.29 |
| | Cy | Clayey | 4.59 | 5.69 | 109.62 | 2.39 |
| | Ly | Loamy | | | 11.28 | 0.25 |
| | LyOv | Loamy Overflow | | | 4.49 | 0.10 |
| | LyT | Loamy Terrace | | | 86.45 | 1.89 |
| | LyT (occ. CyT) | Loamy Terrace (occasionally Clayey Terrace) | | | 9.58 | 0.21 |
| | | SUBTOTAL 100 | 16.38 | 20.34 | 602.83 | 13.16 |
| 200 | 200 | TAME PASTURELAND | | | | |
| | 201 | Tame Pasture | 0.75 | 0.93 | 275.52 | 6.01 |
| | | SUBTOTAL 200 | 0.75 | 0.93 | 275.52 | 6.01 |
| 300 | 300 | WOODLAND | | | | |
| | 301 | Riparian Woodland | | | 255.84 | 5.58 |
| | 302 | Deciduous Tree Woodland | 2.08 | 2.58 | 2.19 | 0.05 |
| | 303 | Tall Shrub Woodland | 0.04 | 0.05 | 1.01 | 0.02 |
| | 304 | Low Shrub Woodland | | | 50.23 | 1.10 |
| | | SUBTOTAL 300 | 2.11 | 2.62 | 309.26 | 6.75 |
| 400 | 400 | SHELTERBELTS | | | | |
| | 401 | Shelterbelt | | | 25.53 | 0.56 |
| | | SUBTOTAL 400 | 0.00 | 0.00 | 25.53 | 0.56 |
| 500 | 500 | WETLANDS | | | | |
| | 501 | Saline Lowland (herbaceous) | | | 3.54 | 0.08 |
| | 502 | Herbaceous Wetland | 0.19 | 0.24 | 46.39 | 1.01 |
| | 503 | Scrub-Shrub Wetland | | | 0.86 | 0.02 |
| | 504 | Forested Wetland | | | 0.15 | 0.00 |
| | | SUBTOTAL 500 | 0.19 | 0.24 | 50.94 | 1.11 |
| 600 | 600 | CROPLAND | | | | |
| | 611 | Cultivated (annual crops) | 59.64 | 74.07 | 2,878.05 | 62.82 |
| | 612 | Grassed Waterway | | | 14.13 | 0.31 |
| | 621 | Mixed Hay | | | 21.26 | 0.46 |
| | 622 | Grass Hay | | | 29.79 | 0.65 |
| | 623 | Alfalfa Hay | | | 58.58 | 1.28 |
| | 631 | CRP (Conservation Reserve Program) | | | 101.87 | 2.22 |
| | | SUBTOTAL 600 | 59.64 | 74.07 | 3,103.68 | 67.75 |
| 700 | 700 | MISCELLANEOUS/DISTURBED | | | | |
| | 701 | Farm Yard/Residential | | | 66.05 | 1.44 |
| | 702 | Road/ROW | 1.45 | 1.80 | 135.76 | 2.96 |
| | 703 | Industrial | | | 0.34 | 0.01 |
| | 704 | Historic Mine | | | 5.16 | 0.11 |
| | 705 | Dump | | | 1.06 | 0.02 |
| | 706 | Developed Water Resources | | | 5.20 | 0.11 |
| | | SUBTOTAL 700 | 1.45 | 1.80 | 213.58 | 4.66 |
| | | TOTAL | 80.52 | 100.00 | 4,581.35 | 100.00 |

¹Vegetation mapping units are delineated on Exhibit 2.7.2-1.