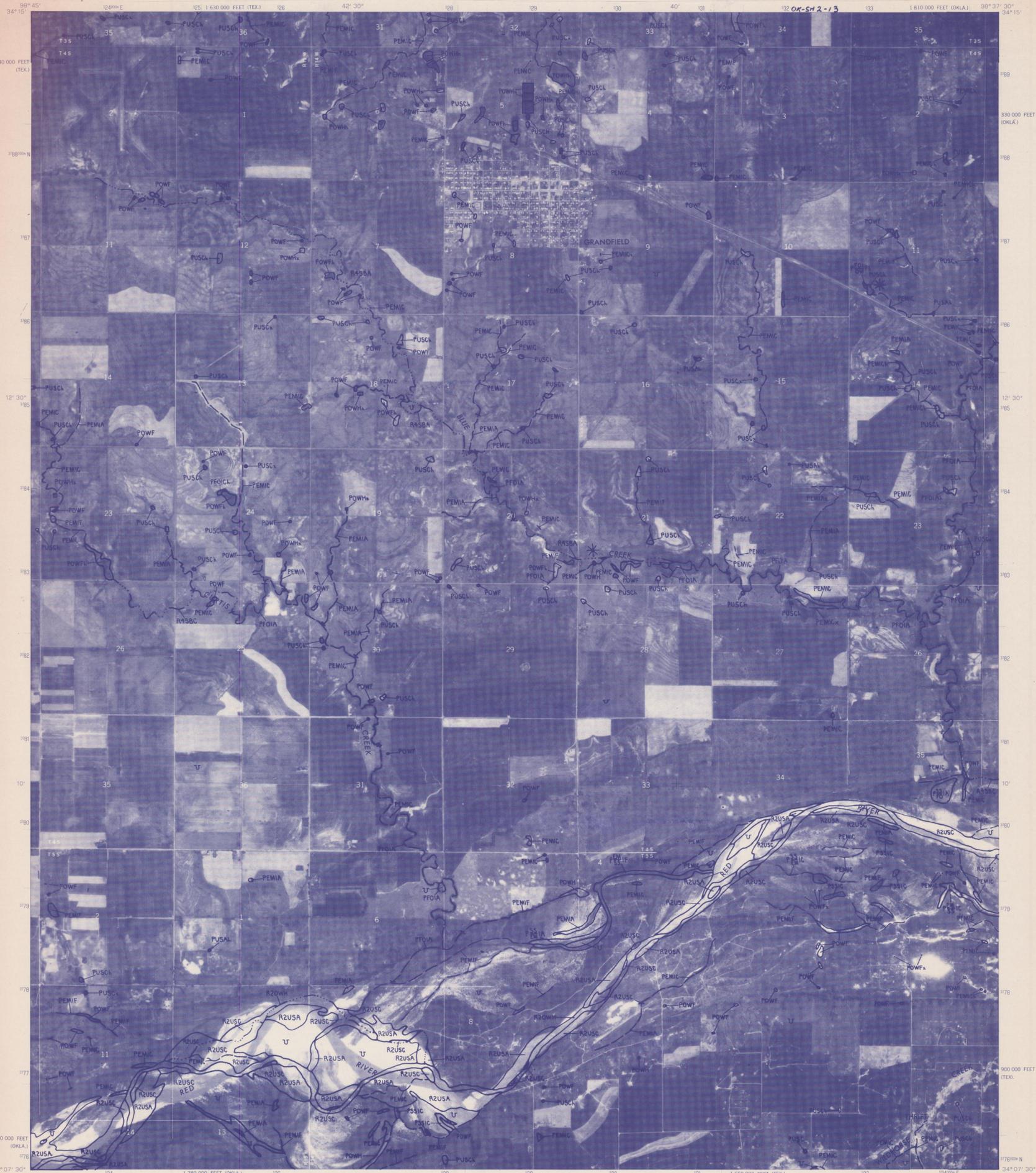


# NATIONAL WETLANDS INVENTORY

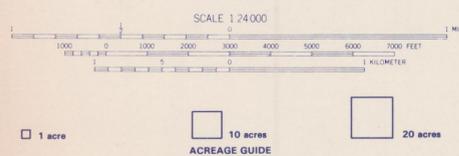
## UNITED STATES DEPARTMENT OF THE INTERIOR

GRANDFIELD, OKLA.-TEX.



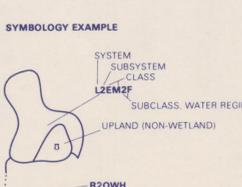
LAWTON SE  
BURKBURNETT

GRANDFIELD, OKLA.-TEX



**SPECIAL NOTE**  
This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deepwater Habitats of the United States (FWS/OBS - 79/31 December 1979). The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



**NOTES TO THE USER**

- Wetlands which have been field examined are indicated on the map by an asterisk (\*).
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.
- Subsystems, Classes, Subclasses, and Water Regimes in Italics were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R4SB, R4SW, or R4SJ (INTERMITTENT STREAMS) may not meet the definition of wetland.
- This map uses the class Unconsolidated Shore (US). On earlier NWI maps that class was designated Beach/Bar (BB) or Flat (FL). Subclasses remain the same in both versions.

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U.S. DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE  
Prepared by National Wetlands Inventory

**AERIAL PHOTOGRAPHY**  
DATE 2 / 83 DATE 1 / 83  
SCALE 1:58,000 SCALE 1:58,000  
TYPE CIR TYPE CIR

SYSTEM	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL
<b>M - MARINE</b>	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL
<b>E - ESTUARINE</b>	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL	1 - SUBTIDAL	2 - INTERTIDAL
<b>R - RIVERINE</b>	1 - TIDAL	2 - LOWER PERENNIAL	3 - UPPER PERENNIAL	4 - INTERMITTENT	5 - UNKNOWN PERENNIAL	
<b>L - LACUSTRINE</b>	1 - LIMNETIC	2 - LITTORAL				
<b>P - PALUSTRINE</b>						

CLASS	1 - ROCK BOTTOM	2 - UNCONSOLIDATED BOTTOM	3 - AQUATIC BED	4 - REEF	5 - OPEN WATER/UNKNOWN BOTTOM	6 - AQUATIC BED	7 - REEF	8 - ROCKY SHORE	9 - UNCONSOLIDATED SHORE	10 - EMERGENT	11 - OPEN WATER/UNKNOWN BOTTOM	12 - ROCKY SHORE	13 - UNCONSOLIDATED SHORE	14 - EMERGENT	15 - SCRUB SHRUB	16 - FORESTED
<b>Subclass</b>	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand 3 Silt 4 Organic	1 Algal 2 Aquatic Moss 3 Floating Vegetation 4 Unknown Submergent 5 Unknown Surface	1 Coral 2 Sponges 3 Worms	1 Algal 2 Floating Vegetation 3 Unknown Submergent 4 Unknown Surface	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand 3 Silt 4 Organic	1 Algal 2 Aquatic Moss 3 Floating Vegetation 4 Unknown Submergent 5 Unknown Surface	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Perennial 2 Nonperennial	1 Broad Leaved Deciduous 2 Broad Leaved Evergreen 3 Needle Leaved Deciduous 4 Needle Leaved Evergreen 5 Deciduous 6 Evergreen	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand 3 Silt 4 Organic	1 Perennial 2 Nonperennial	1 Broad Leaved Deciduous 2 Broad Leaved Evergreen 3 Needle Leaved Deciduous 4 Needle Leaved Evergreen 5 Deciduous 6 Evergreen	1 Broad Leaved Deciduous 2 Broad Leaved Evergreen 3 Needle Leaved Deciduous 4 Needle Leaved Evergreen 5 Deciduous 6 Evergreen

WATER REGIME	WATER CHEMISTRY	SOIL	SPECIAL MODIFIERS	
<b>Non-Tidal</b> A. Temporarily Flooded B. Seasonally Flooded C. Intermittently Flooded D. Regularly Flooded E. Intermittently Flooded F. Seasonally Flooded G. Intermittently Flooded H. Permanently Flooded I. Artificially Flooded J. Intermittently Flooded K. Artificially Flooded L. Regularly Flooded M. Intermittently Flooded N. Regularly Flooded O. Intermittently Flooded P. Unknown	<b>Tidal</b> 1. Seasonally Flooded 2. Intermittently Flooded 3. Regularly Flooded 4. Unknown 5. Unknown 6. Unknown 7. Unknown 8. Unknown 9. Unknown 10. Unknown 11. Unknown 12. Unknown 13. Unknown 14. Unknown 15. Unknown 16. Unknown 17. Unknown 18. Unknown 19. Unknown 20. Unknown 21. Unknown 22. Unknown 23. Unknown 24. Unknown 25. Unknown 26. Unknown 27. Unknown 28. Unknown 29. Unknown 30. Unknown 31. Unknown 32. Unknown 33. Unknown 34. Unknown 35. Unknown 36. Unknown 37. Unknown 38. Unknown 39. Unknown 40. Unknown 41. Unknown 42. Unknown 43. Unknown 44. Unknown 45. Unknown 46. Unknown 47. Unknown 48. Unknown 49. Unknown 50. Unknown 51. Unknown 52. Unknown 53. Unknown 54. Unknown 55. Unknown 56. Unknown 57. Unknown 58. Unknown 59. Unknown 60. Unknown 61. Unknown 62. Unknown 63. Unknown 64. Unknown 65. Unknown 66. Unknown 67. Unknown 68. Unknown 69. Unknown 70. Unknown 71. Unknown 72. Unknown 73. Unknown 74. Unknown 75. Unknown 76. Unknown 77. Unknown 78. Unknown 79. Unknown 80. Unknown 81. Unknown 82. Unknown 83. Unknown 84. Unknown 85. Unknown 86. Unknown 87. Unknown 88. Unknown 89. Unknown 90. Unknown 91. Unknown 92. Unknown 93. Unknown 94. Unknown 95. Unknown 96. Unknown 97. Unknown 98. Unknown 99. Unknown 100. Unknown	<b>Coastal</b> 1. Hypersaline 2. Euxaline 3. Mesohaline (Brackish) 4. Polyhaline 5. Mesohaline 6. Fresh 7. Hypersaline 8. Euxaline 9. Mesohaline 10. Polyhaline 11. Mesohaline 12. Fresh 13. Hypersaline 14. Euxaline 15. Mesohaline 16. Polyhaline 17. Mesohaline 18. Fresh 19. Hypersaline 20. Euxaline 21. Mesohaline 22. Polyhaline 23. Mesohaline 24. Fresh 25. Hypersaline 26. Euxaline 27. Mesohaline 28. Polyhaline 29. Mesohaline 30. Fresh 31. Hypersaline 32. Euxaline 33. Mesohaline 34. Polyhaline 35. Mesohaline 36. Fresh 37. Hypersaline 38. Euxaline 39. Mesohaline 40. Polyhaline 41. Mesohaline 42. Fresh 43. Hypersaline 44. Euxaline 45. Mesohaline 46. Polyhaline 47. Mesohaline 48. Fresh 49. Hypersaline 50. Euxaline 51. Mesohaline 52. Polyhaline 53. Mesohaline 54. Fresh 55. Hypersaline 56. Euxaline 57. Mesohaline 58. Polyhaline 59. Mesohaline 60. Fresh 61. Hypersaline 62. Euxaline 63. Mesohaline 64. Polyhaline 65. Mesohaline 66. Fresh 67. Hypersaline 68. Euxaline 69. Mesohaline 70. Polyhaline 71. Mesohaline 72. Fresh 73. Hypersaline 74. Euxaline 75. Mesohaline 76. Polyhaline 77. Mesohaline 78. Fresh 79. Hypersaline 80. Euxaline 81. Mesohaline 82. Polyhaline 83. Mesohaline 84. Fresh 85. Hypersaline 86. Euxaline 87. Mesohaline 88. Polyhaline 89. Mesohaline 90. Fresh 91. Hypersaline 92. Euxaline 93. Mesohaline 94. Polyhaline 95. Mesohaline 96. Fresh 97. Hypersaline 98. Euxaline 99. Mesohaline 100. Polyhaline	<b>pH Modifiers for all Fresh Water</b> a. Acid b. Alkaline c. Unknown	<b>Soil</b> 1. Organic 2. Mineral 3. Unknown 4. Unknown 5. Unknown 6. Unknown 7. Unknown 8. Unknown 9. Unknown 10. Unknown 11. Unknown 12. Unknown 13. Unknown 14. Unknown 15. Unknown 16. Unknown 17. Unknown 18. Unknown 19. Unknown 20. Unknown 21. Unknown 22. Unknown 23. Unknown 24. Unknown 25. Unknown 26. Unknown 27. Unknown 28. Unknown 29. Unknown 30. Unknown 31. Unknown 32. Unknown 33. Unknown 34. Unknown 35. Unknown 36. Unknown 37. Unknown 38. Unknown 39. Unknown 40. Unknown 41. Unknown 42. Unknown 43. Unknown 44. Unknown 45. Unknown 46. Unknown 47. Unknown 48. Unknown 49. Unknown 50. Unknown 51. Unknown 52. Unknown 53. Unknown 54. Unknown 55. Unknown 56. Unknown 57. Unknown 58. Unknown 59. Unknown 60. Unknown 61. Unknown 62. Unknown 63. Unknown 64. Unknown 65. Unknown 66. Unknown 67. Unknown 68. Unknown 69. Unknown 70. Unknown 71. Unknown 72. Unknown 73. Unknown 74. Unknown 75. Unknown 76. Unknown 77. Unknown 78. Unknown 79. Unknown 80. Unknown 81. Unknown 82. Unknown 83. Unknown 84. Unknown 85. Unknown 86. Unknown 87. Unknown 88. Unknown 89. Unknown 90. Unknown 91. Unknown 92. Unknown 93. Unknown 94. Unknown 95. Unknown 96. Unknown 97. Unknown 98. Unknown 99. Unknown 100. Unknown