Indexing the Jacaranda Atlas

ochrane Geraldton Sioux Lookout Medicine Hat Lake Amos Moose Ja Quebec 🤉 Regina Take Ontario Nipigor Weyburn Mara lipigon Rainy Lake Maine inder Bay anlea Mont Trembla Waterville Lake Sum 968 p Red Lake Devils Lak • Fh eat Falls Willistor Sudburg Ottawa Ste Marie Lake 4 Hancock Eittle Curren Sakakawea North Dakota Thessalon Marquette Glendi Lake Montana Simcoe Kingstor Dickinson Bismarck innesota Iron Mountain Yellowsto Adirondack Alpena etoskev Rhinelander Mountains Mobridge Marinette Orandeville AINS St Cloud Aberdee St Paul Wisconsin Green Bay Svracuse erse City Oah Willmar Toronto Bocheste Minneapolis New Yor Eau Claire Cadillac Kitchener Happilton eservoi 1 · Itha Appleton Buffalo South Dakota Water Michigan Gillette Bioghappion Winon mah Lake Vew Hav Brookings Pierre Sheboygan Muskegon Flint Rapid City Scranton Long Is The Rochester Williamsport Milwaukee Gannett Peak New York Grand Rapids Wyoming Sioux Falls · Mason City Madisor Cleveland Pennsylvania Philadelphia Spencer Landera Riverton Yankton Youngstown H Altoona Waterlool Dubuque Rockford Harrisbu New Jersey Chicago Heda Fort Dodge South Repe Cedar Rapids AHFOR Davenport Uoliet Alliance Raw Ames • lowa Gary Fort Way Pittsburgh Scottsbluff Baltimore . Delaware Green Rive Nebraska Rock Island Kar Ohio Rive Des Moines ouncil Bluffs Cheyenne City Columbuso Washington, D.C. Omaha Ottumwa ongs Peal Indianapolis Davtor Maryland St Cha 4346 me Fort Collins Illinois West tincoln Kearney Kirksville Cincinnati Harrisonbuk . Terre Haute Indiana Virginia Onincy • Boulde Springfie) Denver o Aurora senh Richmond Virginia Bea Concordia atre Mt Elber Goodland Virginia rankfort Norfolk Topek Grand Junction Louisville 4402 m St Louis Kansas olorado Springs Salina olorado Kentucky Missouri Evansville City Rive Kansas Greensbor North Carolina Garden Pueblo Emporia Mammoth Cave NF Cape Hatte ED ST S Q F MERI A Q A Bowling Green Mt Mite Frinidac Knoxville Springfie Charlotte **Nashvill** Great Smoky Ponca Cit Truchas Pe Woodward Tennessee Wilmington Mountains NP 3993 m Santa Fe Fnid Tulsa lackson Cape Fear Tenr Gallup Muskogee Columbi Long Bay Oklahoma Cit Memphis Barlett South Albuquerau Arkansas OLittle Rock Huntsville Tucumcar Amarillo Oklahoma McAlester Carolina Atlanta Gadsde ereford **Fupel** ot Springs Birmingham Beaufor Macor New Mexico ATLA Wichita Falls Lubbock Columbus exarkana Mississippi Georgia Alabama Montgomer Fort Worth Monro Dallas Albany

Spatial Vision has produced the last three editions (7, 8, and 9) of the *Jacaranda Atlas* for John Wiley & Sons, and by far the biggest individual task is indexing the features that appear on the atlas maps. Generating such complex gazetteer indexes is a bane of cartographers, and it takes roughly four to five weeks of production time to generate, collate, format, and check the *Jacaranda Atlas* index. Before the advent of computers, this was an entirely manual process. With the development of geographic information systems and relational databases, the process has been automated somewhat, though in spite of this, errors can still creep in.

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The purpose of a gazetteer index is to locate a feature on a map that places it in the most appropriate context, which can be challenging when the feature appears on more than one map. Additionally, the index should provide some extra information about the feature—its latitude and longitude, along with its type (park, mountain, bay, etc.; Irvine 2005).

Spatial Vision uses a multi-step approach to the production of the atlas maps. For the atlas plates we use Esri ArcGIS for the base map creation, with final clean up and styling in Adobe Illustrator. This approach has proved challenging

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