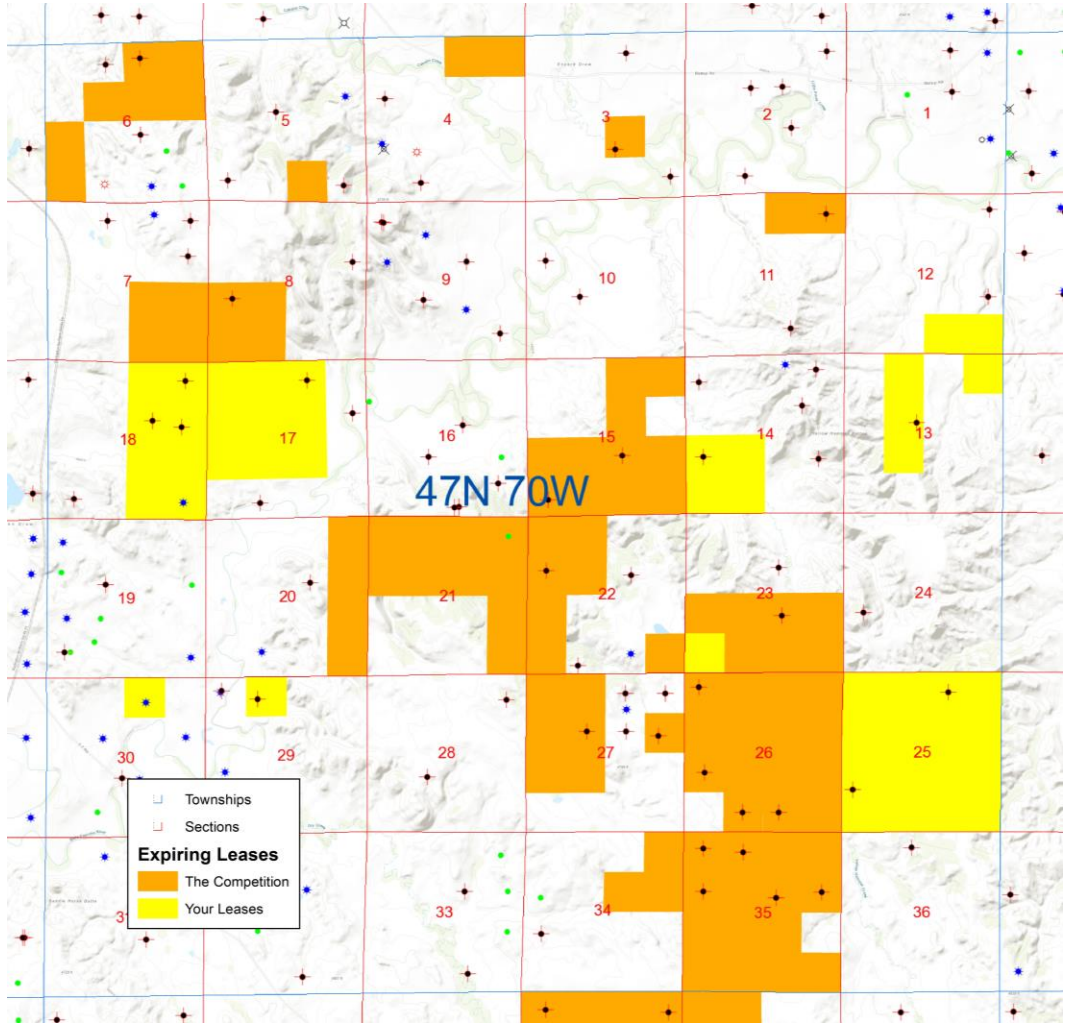# WhiteStar Legal Mapper
Trimble Denver User Conference

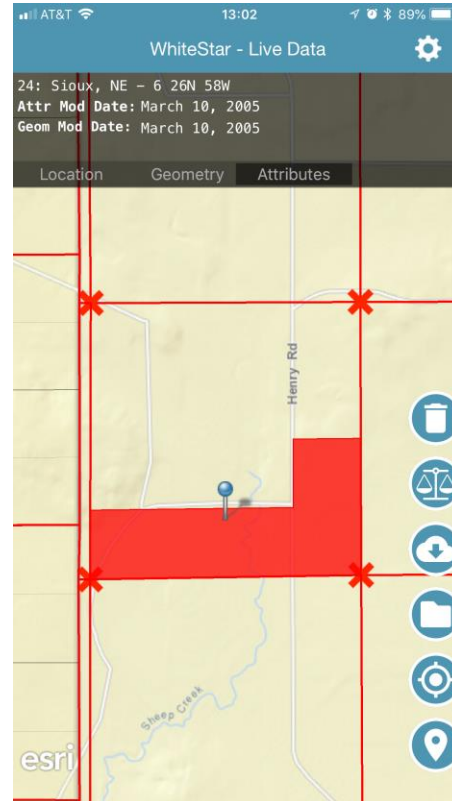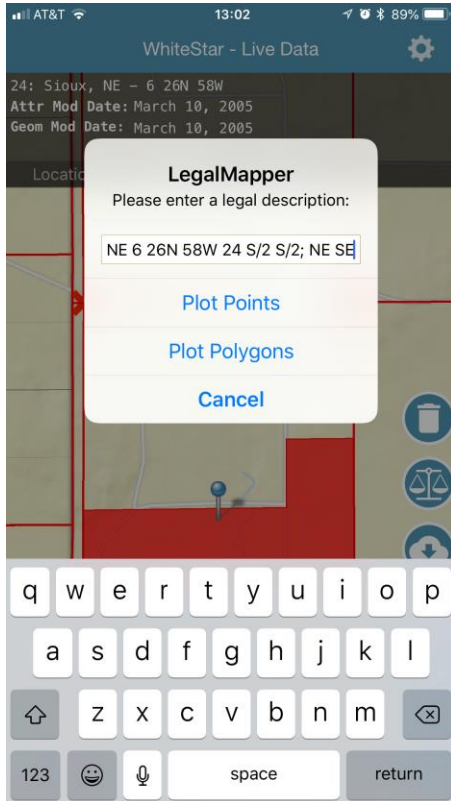Mike Schiewe, Vice President of Operations

May 2, 2018

WLM drives better business decisions

WhiteStar Wizard

Mapping Individual Descriptions

Mapping Files of Descriptions

Process Legal Descriptions in FME

WhiteStar Legal Mapper REST API


```python
import json
import l2m_api

l2m_api.auth_host = 'https://cloud.whitestar.com'
l2m_api.api_host = 'https://legal2map.whitestar.com'
username = "fkhan@whitestar.com"
password = "********"

authed = l2m_api.authenticate(username,password)

if(authed):
    #WellSpotter Transaction
    response = l2m_api.fetch_points(["6 2N 64W 24"])
    print "Wellspotter example:\n %s \n" % response
    #LeaseBuilder Transaction
    response = l2m_api.fetch_polygons(["KS 6 25S 21E 1 SE SE"])
    print "LeaseBuilder example:\n %s \n" % response
else:
    print("Authentication failed, please create a WhiteStar Cloud account https://cloud-staging.whitestar.com/signup")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
Fuads-MBP:Python fuad$ python simple_example.py
Wellspotter example:
 [{u'status': u'ready', u'crs': u'EPSG:4269', u'exception': None, u'sequence': 1, u'geometry': {u'type': u'Point', u'coordinates': [-104.499
68, 40.123873]}, u'legal_land_description': u'6 2N 64W 24', u'exception_code': None, u'wkt': u'POINT (-104.49968 40.123873)'}]

LeaseBuilder example:
 [{u'status': u'ready', u'crs': u'EPSG:4269', u'exception': None, u'sequence': 1, u'geometry': {u'type': u'GeometryCollection', u'geometries
': [{u'type': u'Polygon', u'coordinates': [[[-95.047615, 37.892392], [-95.047325, 37.892391], [-95.047035, 37.89239], [-95.046745, 37.892388
], [-95.046455, 37.892387], [-95.046165, 37.892386], [-95.045875, 37.892384], [-95.045585, 37.892383], [-95.045295, 37.892382], [-95.045006,
37.892381], [-95.044716, 37.89238], [-95.044426, 37.892378], [-95.044136, 37.892377], [-95.043846, 37.892376], [-95.043556, 37.892375], [-9
5.043266, 37.892373], [-95.042976, 37.892372], [-95.042975, 37.892598], [-95.042974, 37.892824], [-95.042972, 37.89305], [-95.042971, 37.893
276], [-95.04297, 37.893502], [-95.042969, 37.893728], [-95.042968, 37.893954], [-95.042967, 37.894179], [-95.042965, 37.894405], [-95.04296
4, 37.894631], [-95.042963, 37.894857], [-95.042962, 37.895083], [-95.042961, 37.895309], [-95.042959, 37.895535], [-95.042958, 37.895761],
[-95.042957, 37.895987], [-95.043246, 37.895988], [-95.043535, 37.895989], [-95.043824, 37.895991], [-95.044113, 37.895992], [-95.044402, 37
.895993], [-95.044691, 37.895994], [-95.04498, 37.895995], [-95.045268, 37.895996], [-95.045557, 37.895998], [-95.045846, 37.895999], [-95.0
46135, 37.896], [-95.046424, 37.896001], [-95.046713, 37.896002], [-95.047002, 37.896004], [-95.047291, 37.896005], [-95.04758, 37.896006],
[-95.047582, 37.89578], [-95.047584, 37.895554], [-95.047587, 37.895328], [-95.047589, 37.895103], [-95.047591, 37.894877], [-95.047593, 37.
894651], [-95.047595, 37.894425], [-95.047597, 37.894199], [-95.0476, 37.893973], [-95.047602, 37.893747], [-95.047604, 37.893521], [-95.047
```

Integrate legal land description mapping into existing applications, or build new ones, using the same REST services behind our iOS, Esri and Safe Software FME products.

The API is compatible with Python, C, C++, C#, Objective C, Swift, Java, JavaScript, Perl, and many other languages.

Drag – Drop – Map Legals Inside ArcGIS Pro
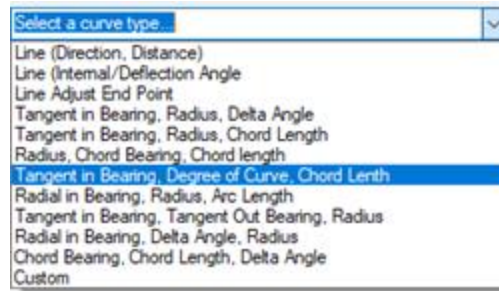
- Demonstration

InDeed

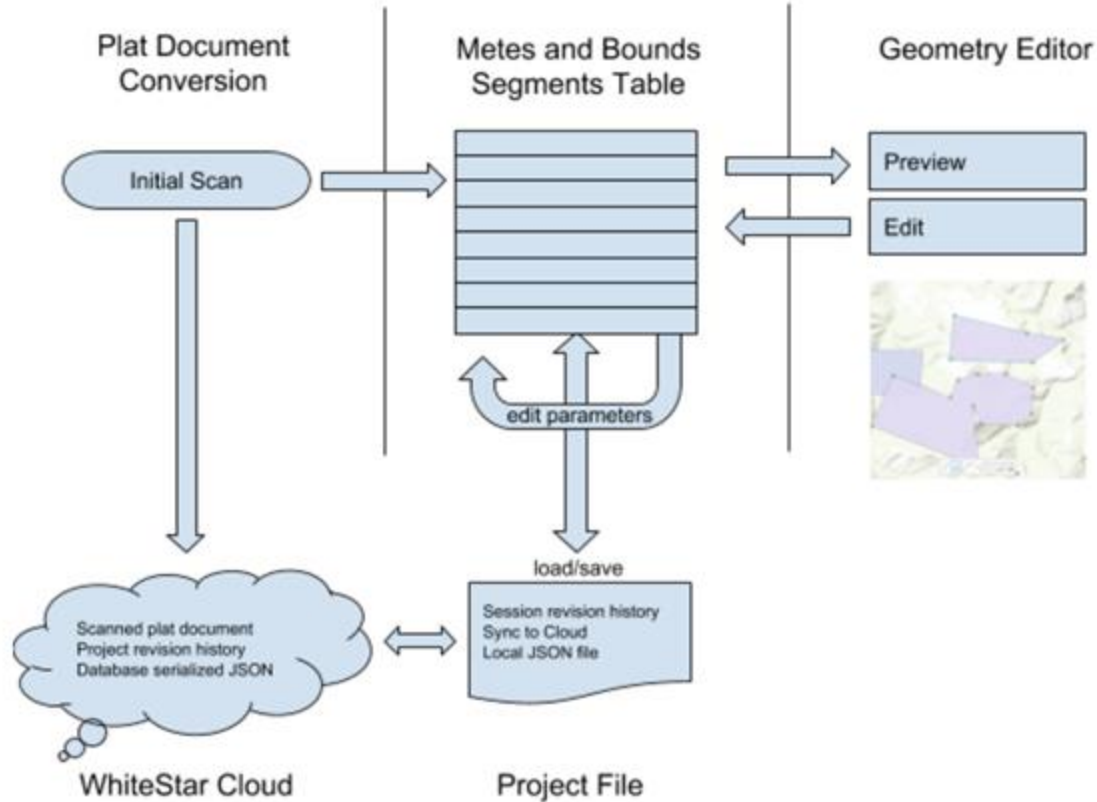- WhiteStar Cloud Metes and Bounds Application

Metes and Bounds Segments

- Point of beginning (commencement)
- Run
  - Bearing and distance
- Curve
  - Multiple curve types
- Meander
  - Following a river or natural feature

Workflow

Plat Document Conversion
- Initial Scan

Metes and Bounds Segments Table

edit parameters

load/save

Geometry Editor
- Preview
- Edit

WhiteStar Cloud
- Scanned plat document
- Project revision history
- Database serialized JSON

Project File
- Session revision history
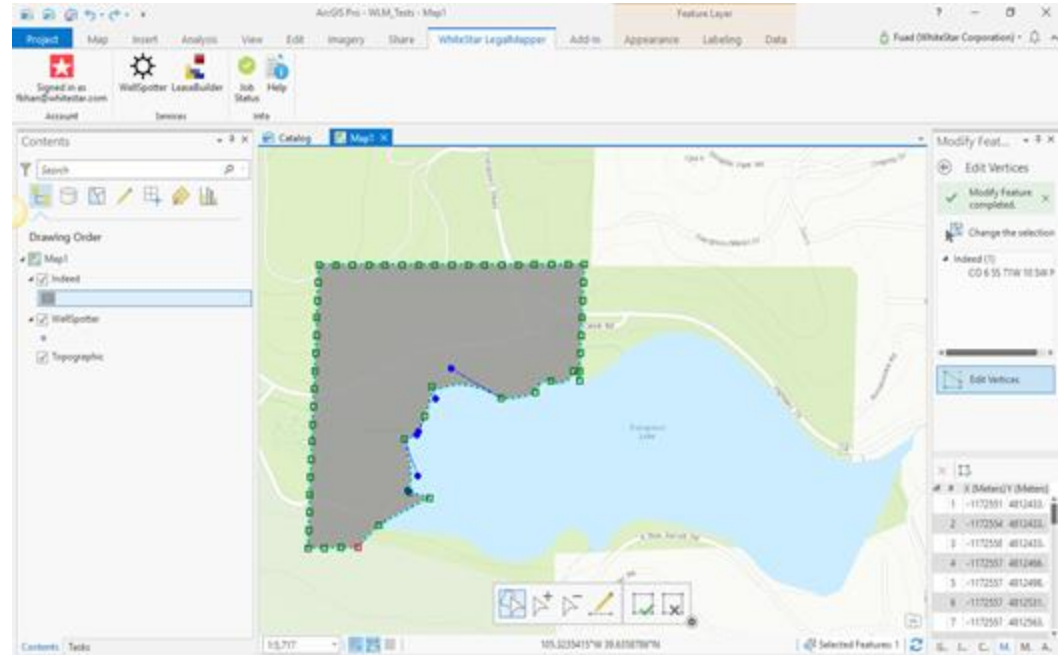- Sync to Cloud
- Local JSON file

ArcGIS Pro Integration

ArcGIS Pro Module AddIn (.NET SDK) integrates:

- WhiteStar Cloud OCR Services
- InDeed Segment Editor for constructing plats
- InDeed Cloud Services for project control

Questions?

For more information or to sign up for a free trial visit:

www.whitestar.com