**Mapping the Oklahoma Water Rights web portal data into WaDE 2.0**

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Permitted Surface Water Diversion Points

<http://home-owrb.opendata.arcgis.com/datasets/permitted-surface-water-diversion-points?geometry=-119.379%2C31.373%2C-77.565%2C37.701>

Permitted Groundwater Wells (Point coverage)

<http://home-owrb.opendata.arcgis.com/datasets/permitted-groundwater-wells>

Dedicated Lands (for groundwater; not used for surface water) (polygon coverage)

<http://home-owrb.opendata.arcgis.com/datasets/dedicated-lands>

Areas of Use (polygon coverage) - Should be both for SW and GW and should be different than Dedicated Lands

<http://home-owrb.opendata.arcgis.com/datasets/areas-of-use>

**Input Tables:** Permitted\_Surface\_Water\_Diversion\_Points and Permitted\_Ground\_Water\_Wells

|  |  |  |
| --- | --- | --- |
| **WaterAllocations (WaDE)** | **Permitted Surface and Ground ...** | **Hardcoded value or logic** |
| OrganizationUUID |  | “OWRB” |
| SiteUUID | From Sites table. With many to many relationship | Site ID for a given permit number == Allocation native ID |
| VariableSpecificUUID |  | “Water Allocation All” |
| WaterSourceUUID | ??? | From watersources table |
| MethodUUID |  | “OK\_WaterAllocation” |
| BeneficialUseCategory | PRIMARY\_PURPOSE |  |
| AllocationNativeID | Permit number | Use unique permit number ???? |
| AllocationTypeCV | PERMIT\_TYPE | ??? RECORD\_TYPE / PERMIT\_TYPE |
| AllocationOwner | ENTITY\_NAME |  |
| AllocationApplicationDate | DATE\_FILED |  |
| AllocationPriorityDate | DATE\_ISSUED |  |
| AllocationLegalStatusCV | STATUS |  |
| AllocationCropDutyAmount | ? |  |
| AllocationExpirationDate | ? |  |
| AllocationChangeApplicationIndicator |  | Leave it empty for now |
| LegacyAllocationIDs |  | Leave it empty for now |
| AllocationBasisCV | "Unknown" | ?Leave it empty for now |
| IrrigatedAcreage | Empty for now | ?from “Areas of Use” with same permit number? |
| AllocationTimeframeStart |  | ? we could hard code it but I need to check with them |
| AllocationTimeframeEnd |  | ?? we could hard code it but I need to check with them |
| AllocationAmount | ? |  |
| AllocationMaximum | TOTAL\_PERMITTED\_ACRE\_FEET |  |

**WaterSources\_dim**

|  |  |  |
| --- | --- | --- |
| **WaDE** |  |  |
| WaterSourceUUID |  | Concatenate “OK” with WaterSourceNativeID |
| WaterSourceNativeID |  | Autom generate it? Yes |
| WaterSourceName | ?? | “Unspecificed” |
| WaterSourceTypeCV | Water Type | SurfaceWater / GroudWater ? |
| WaterQualityIndicatorCV |  | Fresh water |
| GNISFeatureNameCV |  | Leave it empty for now |
| Geometry |  | Leave it empty for now |

**Site Table**

|  |  |  |
| --- | --- | --- |
| **WaDE** |  |  |
| WaDESiteUUID |  | Concatenate OK to SiteNativeID |
| SiteNativeID | OBJECTID |  |
| SiteName |  | Leave it empty |
| USGSSiteID |  | Leave it empty |
| SiteTypeCV | Water Type | Surface water / Ground Water |
| Longitude | Longitude |  |
| Latitude | Latitude |  |
| Geometry |  | Leave it empty |
| CoordinateMethodCV |  | Leave it empty |
| CoordinateAccuracy |  | Leave it empty |
| GNISCodeCV |  | Leave it empty |
| NHDMetadataID |  | Leave it empty |

**Variables**

|  |  |
| --- | --- |
| Column | Value |
| VariableSpecificCV | OWRB Allocation All |
| VariableCV | Allocation |
| AggregationStatisticCV | Average |
| AggregationInterval | 1 |
| AggregationIntervalUnitCV | Year |
| ReportYearStartMonth | 10 |
| ReportYearTypeCV | WaterYear |
| AmountUnitCV | CFS |
| MaximumAmountUnitCV | AFY |

**Beneficial use Table**

|  |  |  |
| --- | --- | --- |
| **WaDE** |  |  |
| BeneficialUseCategory | PRIMARY\_PURPOSE |  |
| PrimaryUseCategory | PRIMARY\_PURPOSE | Use the same like the BeneficialUseCategory |
| USGSCategoryNameCV |  | Leave it empty for it now |
| NAICSCodeNameCV |  | Leave it empty for it now |