WELL-INFORMATION CHECKLIST, Page 1 of 2

Well Identification

Project name and identification number: _____
Latitude-longitude: _____ Sequence number: _____
Other site or well ID: _____ Station name: _____

Indicate well type: Public, Domestic, Commercial, Industrial, Irrigation, Observation, Monitoring, Other _____

Item in well file — Date item filed

Well Location

- Latitude and longitude (indicate in file the method used) _____
- Well-location map(s) _____
- Site-sketch map _____
- Written description of location _____
- Well-casing elevation (indicate elevation, and method and date of determination in file) _____
- Photographs of well and vicinity (with measuring/sampling points identified) _____
- Land-use/land-cover form _____

Electronic Files and Permission Forms

- Ground-Water Site Inventory (GWSI) data entered into National Water Information System _____
- Paper copy of GWSI form _____
- Well-inventory form _____
- Copies of agreements to complete activity (for example, permission to access site, drill, or sample). List:_____ _____
  _____ _____

Criteria Used for Well Selection or Installation

- Well Selection (describe criteria in file) _____
- Well Installation (describe criteria in file) _____

WELL-INFORMATION CHECKLIST, Page 2 of 2

Item in well file — Date item filed

Well Installation

- Well-drilling record _____
  - Driller's log _____
  - Lithologic log _____
  - Cuttings _____
  - Cores _____
- Well-completion record _____
- Well-development record _____
- Well-maintenance checks: (list types) _____ _____
  _____ _____
- Pumping schedule/history _____
- Type of pump in well and location of pump intake _____

Water-Level and Water-Quality Data

Description of measuring point for water levels: _____
_____
_____

Water-level measurements - current: _____
_____
_____

Water-level measurements - historical: _____
_____
_____

Water-quality records for each sampling event:
- Purging and field measurements _____
- Field forms (previous) _____
- Selected results of laboratory analyses _____

Other Data Related to the Well Site

Aquifer tests: (list types) _____ _____
_____ _____

Geophysical logs: (list types) _____ _____
_____ _____

Other:

Figure 1. *Example of a well-information checklist for a well file.*

WELL- AND SITE-INVENTORY FORM

Page 1 of 2

Send results of drilling/sampling to owner? Y N

PROJECT INFORMATION

Project Name and ID: _____
Recorded By: _____ Date: _____ Time: _____ Photo # _____ Roll # _____

WELL SITE INFORMATION

Well Identification (ID) (C1) _____ Station name (C12) _____
Latitude (C9)_____ Longitude (C10)_____ Seq. # _____ Well elevation (C16) _____ft NGVD
Site accessible? YES___ NO ___ Remarks _____
State (C7)_____ County_____ or County code (C8)_____
Use of site (C23)_____ Use of water: 1st (C24)_____ 2nd (C25)_____ 3rd (C26)_____

Location map (C14): _____ Contour interval_____(ft) Map scale (C15): _____ Year revised:_____
Sources of data _____

OWNER INFORMATION

Name (C161) _____ Phone (H) _____ (W)_____
Address _____
_____ Zip_____
Tenant _____ Phone _____
Address: _____
_____ Zip_____
Previous owner _____
Permission given by _____
Permission to re-measure/sample/drill: YES_____ NO_____ CALL_____ STOP BY_____ OK IF NOT THERE_____
Dates not available _____
Owner: Interested_____ Neutral_____ Not Interested_____ Remark_____

SITE CHARACTERISTICS

Land use: Urban____ Suburban____ Rural____ Crop____ Pasture____ Natural____ Other_____
Potential contamination sources near well (septic systems, barnyard, feedlot, pasture, nearby fertilized fields, local storage of chemicals, other): _____ None visible_____
Domestic wastes to: Septic tank_____ Sewer_____ Other_____

WELL INSTALLATION AND CONSTRUCTION DETAILS

Method of well completion: Primary filter pack_____ Secondary filter pack_____
Type of annular seal_____ Type of surface seal (C67) _____;
Protective casing_____ (locked_____, unlocked_____)
Method of well installation (C65) _____ Type of finish (C66) _____
Date well constructed (C21) _____ Driller: _____
Depth of well (C28): _____ft Depth to bottom of casing (C74) _____ft
Casing Diameter (C79) _____ in. Casing material (C80) _____
Primary aquifer (C714) _____ Source of information: geology map, topo map, outcrop, drilling log, other _____
Method of well development (C69) _____
Type of lift (C43) _____ Type of power (C45) _____ Rates pump capacity _____
Discharge (C150) _____ gal/min
Well-construction integrity checks: Date(s)_____ Type: _____
Comments:

Figure 11. *Example of a well- and site-inventory form.*

WELL- AND SITE-INVENTORY FORM

WATER LEVEL

Can water level be measured? YES_____ NO_____ Why not?_____ If yes, method (C34)_____

	Hold_____	Hold_____	Hold_____
	Cut_____	Cut_____	Cut_____
	= _____	= _____	= _____
	+/-mp_____	+/-mp_____	+/-mp_____
Water level, in ft below LS (C30 or C237)	_____	_____	_____

Water-level status (C238): _____

SAMPLING INFORMATION

Can well be sampled? YES_____ NO_____ Why not?_____
Sampling tap location: _____ Plumbing needed: _____ Holding tank: YES_____ NO_____ Size_____
Sample before tank? YES_____ NO_____
Water quality? Taste: _____ Odor: _____ Color: _____ Remarks: _____
Water treated? YES_____ NO_____ Type: Filtration_____ Softening_____ Other_____
Minimum rate at which pump in well can be operated: _____gal/min

WATER-QUALITY FIELD MEASUREMENTS

Location of sampling point_____
00010 Temperature _____^{o}C 00095 Specific Electrical Conductance _____µS/cm
00400 pH _____ 00300 Dissolved oxygen _____mg/L 00076 Turbidity_____NTU
Other _____

AVAILABILITY OF ADDITIONAL INFORMATION (refer to Well Information Check List and include in inventory file):

Water-level records? YES_____ NO_____ Remarks _____
Pumping records? YES_____ NO_____ Remarks _____
Water-chemistry records? YES_____ NO_____ Remarks _____
Borehole geophysical logs? YES_____ NO_____ Type_____
Surface geophysical surveys? YES_____ NO_____ Type_____
Aquifer tests? YES_____ NO_____ Type_____
Geologic materials samples? YES_____ NO_____ Type_____
Land-use records for well vicinity (for example, pesticide and fertilizer application rates):

REMARKS AND SITE SKETCH (Township_____ Range_____ Section_____ Quarter_____):

Figure 11. *Example of a well- and site-inventory form--Continued*

LAND-USE/LAND-COVER FIELD SHEET - GROUND-WATER STUDIES

Page 1 of 3

1. Project name and ID: _____
   Field-check date ____/____/____ Person conducting field inspection:_____
   Well station-id:_____ Latitude:_____ Longitude:_____

2. LAND USE AND LAND COVER CLASSIFICATION - (modified from Anderson and others, 1976, p.8). Check all land uses that occur within each approximate distance range from the sampled well. Identify the predominant land use within each distance range and estimate its percentage of the total area within a 500-meter radius of the well.

Land use and land cover[1]	Within 50 m	50 m-500 m	Comments
I. URBAN LAND			
--Residential			
--Commercial			
--Industrial			
--Other (Specify)_____			
II. AGRICULTURAL LAND			
--Nonirrigated cropland			
--Irrigated cropland			
--Pasture			
--Orchard, grove, vineyard, or nursery			
--Confined feeding			
--Other (Specify)_____			
III. RANGELAND			
IV. FOREST LAND			
V. WATER			
VI. WETLAND			
VII. BARREN LAND			
Predominant land use			
Approximate percentage of area covered by predominant land use			

3. AGRICULTURAL PRACTICES within 500 m of the sampled well.
   a. Extent of irrigation - Indicate those that apply.
      Nonirrigated ____ Supplemental irrigation in dry years only ____, Irrigated ____
   b. Method of irrigation - Indicate those that apply.
      Spray____ Flood____ Furrow____ Drip____ Chemigation____ Other____ (Specify)_____
   c. Source of irrigation water - Indicate those that apply.
      Ground water _____ Surface water _____ Spring _____
      Sewage effluent ____ (treatment): Primary ____ Secondary ____ Tertiary ____
   d. Pesticide and fertilizer application - Provide information about present and past pesticides and fertilizers used, application rates, and application methods._____
      _____
   e. Crop and animal types - Provide information about present and past crop and animal types, and crop rotation practices._____
      _____

Entered by_____ Date ___/___/___ Checked by _____ Date ___/___/___
Well station-id: _____ Field-check date: ___/___/___

Figure 12. *Example of a land-use and land-cover field sheet.*

LAND-USE/LAND-COVER FIELD SHEET - GROUND-WATER STUDIES

4. LOCAL FEATURES - Indicate all local features that may affect ground-water quality which occur within each approximate distance range from the sampled well.

Feature	Within 50 m	50 m - 500 m	Comments
Gas station			
Dry cleaner			
Chemical plant or storage facility			
Airport			
Military base			
Road			
Pipeline or fuel storage facility			
Septic field			
Waste disposal pond			
Landfill			
Golf course			
Stream, river, or creek Perennial ___ Ephemeral ___			
Irrigation canal Lined ___ Unlined ___			
Drainage ditch Lined ___ Unlined ___			
Tile drains			
Lake Natural ___ Manmade ___			
Reservoir Lined ___ Unlined ___			
Bay or estuary			
Spring Geothermal (> 25°C)___ Nongeothermal ___			
Salt flat or playa Dry ___ Wet ___			
Mine, quarry, or pit Active ___ Abandoned ___			
Oil well			
Major withdrawal well			
Waste injection well			
Recharge injection well			
Other _____			

Figure 12. *Example of a land-use and land-cover field sheet--Continued.*

LAND-USE/LAND-COVER FIELD SHEET - GROUND-WATER STUDIES

5. LAND-USE CHANGES - Have there been major changes in the last 10 years in land use within 500 m of the sampled well? Yes____, Probably____, Probably not____, No____ If yes, describe major changes.

_____
_____
_____
_____
_____
_____

6. ADDITIONAL COMMENTS - Emphasize factors that might influence local ground-water quality.

_____
_____
_____
_____
_____
_____

Remarks

[1]Quantitative data, such as the percentage of land use and land cover near a well, is required to establish relations between land use and ground-water quality.

Figure 12. *Example of a land-use and land-cover field sheet--Continued.*